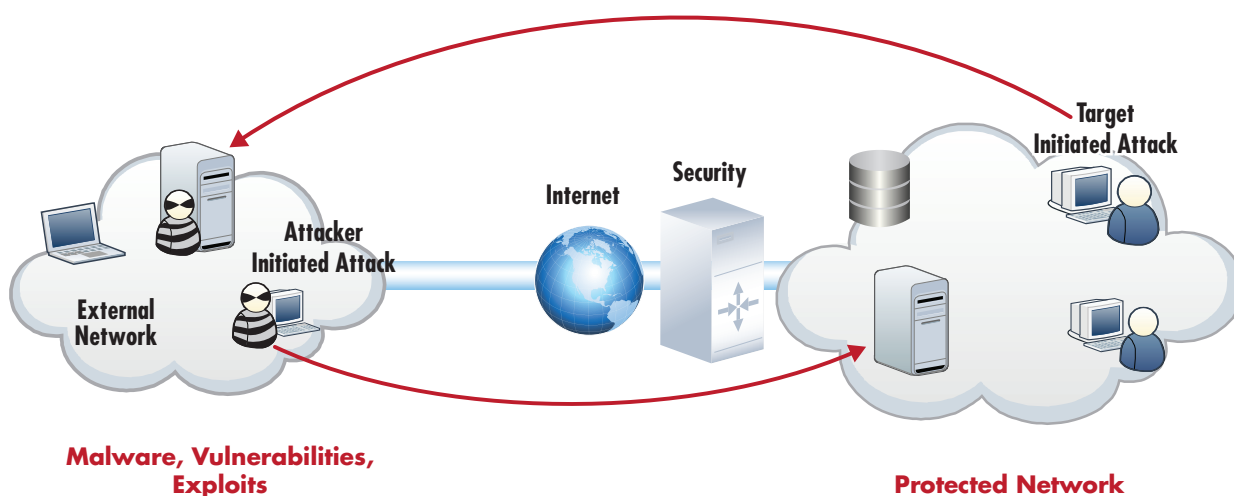




IxLoad-Attack Security Testing



IxLoad-Attack™ tests network security appliances – determining that they effectively and accurately block attacks while delivering high end-user quality of experience for mission-critical applications. IxLoad-Attack tests the wide range of network security appliances:

- Next generation firewalls,
- Intrusion detection and prevention systems (IDS/IPS),
- Anti-virus, anti-spam and URL filters, and
- VPN gateways
- Mobile Networks

Many of these devices need constant update and configuration to provide up-to-date protection. IxLoad-Attack includes a bi-weekly update service that keeps pace with current threats.

IxLoad-Attack delivers the security testing depth and scale needed to satisfy both device validation and continuous protection of cloud infrastructures as well as enterprise, government, and service provider networks. IxLoad-Attack is the only product that provides malicious traffic over both encrypted and non-encrypted links. IxLoad-Attack runs in parallel with all other IxLoad functions. Customized, real-world network traffic provides the “good” reference traffic that security devices must forward without affecting customer quality of experience (QoE).

- Thousands of unique live security attacks, the most comprehensive solution targeting known vulnerabilities
- Automatic updates via subscription service
- Multiple evasion techniques allows millions of attack permutations
- Wireless network security over generic tunnel protocol (GTP)
- Most comprehensive coverage for published Microsoft™ vulnerabilities
- Line-rate distributed denial of service (DDoS) attacks over 1GE and 10GE interfaces
- Converged real-world application traffic mix with fully stateful voice, data and video emulations
- Mix of legitimate and malicious traffic on same ports
- Measures security effectiveness, performance benchmarking and service availability
- Backed by security research from two industry pioneers keeping IxLoad-Attack updated
- Delivery of attacks over IPsec tunnels for security and performance testing of VPNs and LTE security gateways



IxLoad-Attack Security Testing

IxLoad-Attack Features

Features	Options
<p>Published Vulnerabilities and Malware</p>	<ul style="list-style-type: none"> • Thousands of vulnerabilities and malware • Highest coverage of Microsoft vulnerabilities • Subscription service with online and offline malware and vulnerabilities updates • Measures security effectiveness • Emulates attacks over IPv4 and IPsec • Comprehensive attack metadata • Multiple attack evasions • Packet capture using IxLoad's embedded Analyzer • Attacker/server-initiated attacks • Target/client initiated attacks (client based attacks)
<p>Multiplay Voice, Video, Data, and Wireless Protocol Support</p>	<ul style="list-style-type: none"> • Internet: HTTP, P2P, FTP, SMTP, POP3, DNS, and CIFS • Video: IGMP, RTSP, Adobe Flash Player™, Microsoft Silverlight™, Apple HLS, MPEG2, and H.264/AVC • Voice: SIP, MGCP, H.323, H.248, Cisco Skinny™, FAX over IP, video conferencing and PSTN • Wireless: 3GPP packet core protocols used by GGSNs, generic tunnelling protocol (GTP)

For more information see http://www.ixiacom.com/solutions/testing_security/index.php