



SOLUTION BRIEF

EXTRAHOP + IXIA: Unprecedented Visibility for Securing Today's Hybrid Networks

Today's businesses rely on IT Operations and Security Operations (SecOps) teams collaborating seamlessly to assure the best customer experience while remaining secure and compliant with industry regulations. Together, ExtraHop and Ixia provide complete visibility and definitive insight across your entire hybrid enterprise. This unprecedented intelligence equips IT teams to find the root cause of performance problems instantly, and SecOps to automatically detect and investigate threats.

ExtraHop's IT Operations product leverages best-of-breed analytics and machine learning (ML) anomaly detection to enable rapid investigation and root-cause analysis. ExtraHop Reveal(x) Network Traffic Analysis combines the same powerful analysis with security-focused workflows and ML-driven insight into behavior that helps SecOps teams detect, investigate, and respond to threats in just a few clicks.

Ixia network visibility solutions complement ExtraHop by ensuring efficient access to packet-level network and cloud traffic needed for fast, accurate analysis.

HIGHLIGHTS

- Transform your hybrid network into a trusted source of insight
- Use machine learning for accelerated, precise detection
- Access packet contents for rapid forensic analysis
- Auto-discover and classify every transaction, flow, session, and device at 100Gbps

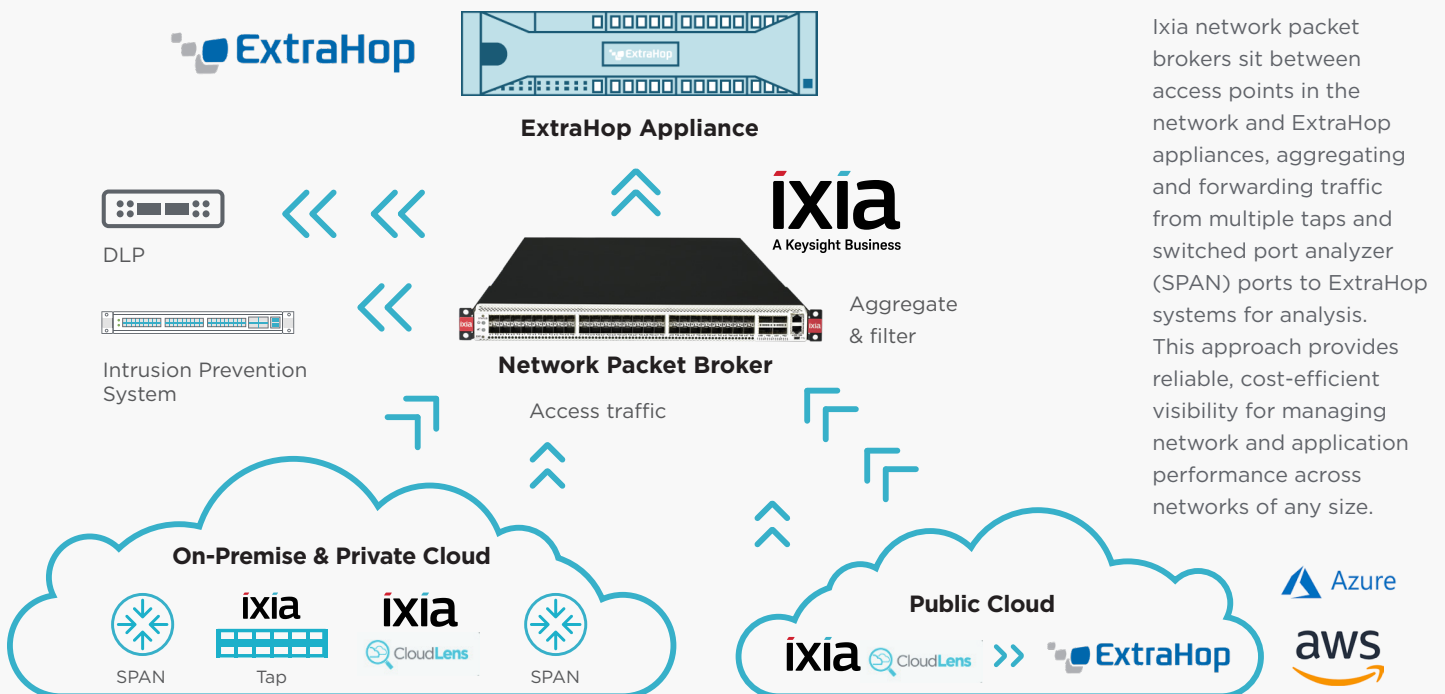
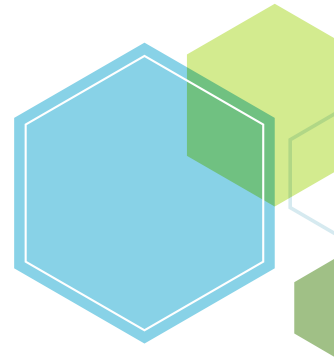


EXTRAHOP: REAL-TIME IT PERFORMANCE AND NETWORK TRAFFIC ANALYSIS FOR SECURITY

Both ExtraHop for IT Ops, and ExtraHop Reveal(x) auto-discover and classify every transaction, flow, session, and device across data centers, hosted applications, and remote branches. Operating at sustained speeds up to 100Gbps provides Ops teams with unprecedented visibility, definitive insight, and immediate answers.

Unique capabilities include:

- Auto-discovery and classification of all devices and assets across hybrid networks
- Automated detection and investigation of behavioral anomalies
- Real-time decryption of SSL/TLS traffic, including TLS 1.3, with Perfect Forward Secrecy
- Intuitive, context-rich interface anyone can use to drill down from flows to transactions and even full, decrypted packet captures
- Machine learning that continuously learns from your unique environment
- Automated response workflows
- Attack-chain model, risk scoring, and threat intelligence for full context around every threat



A Typical Deployment.

Ixia network packet brokers sit between access points in the network and ExtraHop appliances, aggregating and forwarding traffic from multiple taps and switched port analyzer (SPAN) ports to ExtraHop systems for analysis. This approach provides reliable, cost-efficient visibility for managing network and application performance across networks of any size.

WHY IXIA?

Ixia offers complete hybrid network visibility solutions combining taps, bypass switching, and network packet brokers (NPBs). Ixia's Vision series of NPBs aggregates and directs traffic from multiple network access points such as taps and SPAN ports to the ExtraHop system for analysis.

The packet-level visibility achieved using Ixia streamlines performance and security analysis through:

- Reliable, ZERO-loss advanced packet processing
- Aggregation and load balancing of traffic from all needed access points across ExtraHop appliances and input ports
- Filtering of duplicate packets and other traffic not needed for analysis to optimize resource consumption, throughput, and storage capacity
- User interface (UI) and Dynamic Filter Compiler renowned for easy operation and automated definition of rules
- SSL decryption to help detect hidden threats
- Support for physical and virtual networks across a common infrastructure
- Full visibility across on-premise data centers, private and public clouds (AWS, Microsoft Azure, Google)

Along with faster action and higher performance, deploying ExtraHop and Ixia solutions together reduces risk and promotes scalable operation and cost-effective expansion of your monitoring and security infrastructures. [Learn more.](#)

ABOUT EXTRAHOP

ExtraHop is the leader in analytics and investigation for the hybrid enterprise. We apply real-time analytics and advanced machine learning to every business transaction to deliver unprecedented visibility, definitive insights, and immediate answers that enable security and IT teams to act with confidence. The world's leading organizations trust ExtraHop to support core digital business initiatives like security, IT modernization, and application service delivery. Hundreds of [global ExtraHop customers](#), including Sony, Microsoft, Adobe, and DIRECTV, already use ExtraHop to accelerate their digital businesses. To experience the power of ExtraHop, explore our interactive [online demo](#). Connect with us on [Twitter](#) and [LinkedIn](#).



**The Ixia and
ExtraHop solution**

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