

100%

NETWORK VISIBILITY NEEDS 100% PACKET PROCESSING

**Beware the dangers of blind spots—
you can't secure what you can't see!**



THE ISSUE

Network Packet Brokers (NPBs) are a core element of network visibility. To achieve 100% network visibility, an NPB must process all data packets. Any packet loss creates dangerous blind spots that represent a major hazard for enterprise network and security IT teams.



THE SOLUTION

Be aware that not all NPBs are created equal. Ixia's NPB is an intelligent and effective way for gaining 100% visibility across a network environment, ensuring that security and performance monitoring tools have efficient access to 100% of enterprise information—without losing data while aggregating packets.



Testing conducted by the Tolly Group demonstrated that Ixia NPB had no packet loss when using deduplication, delivering 100% visibility and guarding against the risk of packet loss.

THE TEST

“Enterprises have lived with the expectation of packet loss in their networks for a long time, but the result is a silent blinding of the security infrastructure. It's hard to account for what you haven't seen, until you're dealing with catastrophic results. Because packet loss tends to be broadly distributed, its effects are hard to quantify. Rather than death by a thousand cuts, it is failure by a thousand lost packets.”

— Eric Hanselman of 451 Research

BLIND SPOT

THE

Ixia NPBs eliminate network blind spots that can lead to serious regulatory and security risks for enterprises

THE NEGATIVE EFFECTS OF PACKET LOSS



SECURITY

Dramatically reduces effectiveness of security tools

Creates security blind spots



COMPLIANCE

Leads to inadequate data to demonstrate proper regulatory compliance tracking for regulations such as PCI, DSS or HIPPA



PERFORMANCE

Inadequate understanding of traffic volumes causes inability to predict when systems may be about to fail

Source: The Tolly Group, January 2016

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