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Complete Visibility for Application and Network Performance

Ixia Anue Net Tool Optimizer® Solution Helps Monitor Networks of Any Size

The Challenge of Data Center Monitoring

Your infrastructure and network exist for one reason, to deliver the services and applications that matter to your customers. You need to understand dependencies between your applications and network, be alerted to issues before business is impacted, and accelerate troubleshooting. For most businesses, network performance must be managed from an application perspective.

Anything that impacts its ability to reach customers, impacts your bottom line. High-quality application performance requires an awareness of what is happening on the network, in real time.

Network operators need to monitor, analyze, and report on transactions throughout the IT environment – whether physical, virtual, or in the cloud –so they can quickly identify issues and resolve problems before they disrupt critical services. What's needed is innovative transaction performance management capabilities that let you prioritize problem resolution according to business impact.

Such necessary monitoring innovations include:

- Application performance monitoring based on actual end-user experience

- Application code-level tracing and high-level performance monitoring

- End-to-end monitoring reporting and analytics

- High-speed packet capture, flow collection, and expert analysis

- Unified communication management

The Ixia Anue Systems Net Tool Optimizer® (NTO) works together with monitoring devices to capture and analyze network traffic in a scalable solution that accurately and efficiently monitors networks of any size. The Anue NTO passively directs out-of-band network traffic from multiple access points – SPAN ports or TAPs – in the network to the monitoring device for analysis.

HIGHLIGHTS

The Ixia Anue NTO works with a network monitoring device by extending access to all needed network traffic. The joint solution provides complete visibility into network traffic in a highly scalable, easy to deploy system.
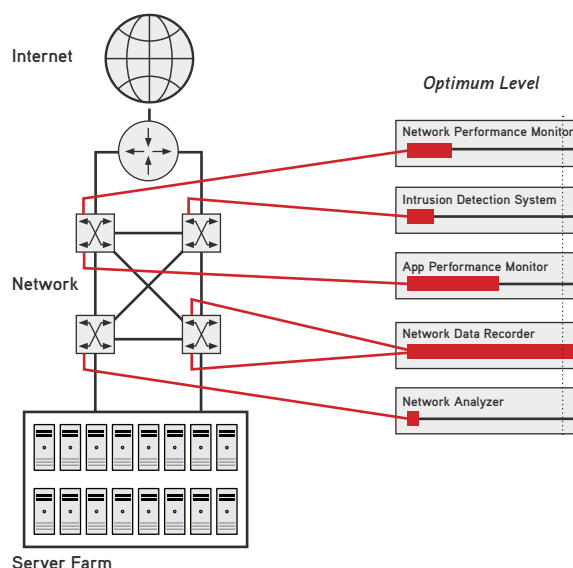
SOLUTION BENEFITS

- Full network visibility – The Ixia Anue NTO delivers all required traffic from anywhere in the network to the monitoring solution. All traffic – 100 percent – can be monitored and analyzed.

- Simplified deployment – The solution is flexible enough to work in any network environment and can share access with deployed monitoring and security tools.

- Easily scalable – Additional 1GE, 10GE, 40GE, or 100GE ports can be added as needed and filters dynamically adjusted to meet bandwidth requirements. Removing duplicate packets increases monitoring and storage capacity.

- High availability – Automatically direct traffic as needed to other appliances.Deploy a centralized "farm" of cost effective, high-capacity security tools to monitor distributed buildings and segments monitored, collecting interesting traffic and bringing it back to the security tool farm for inspection
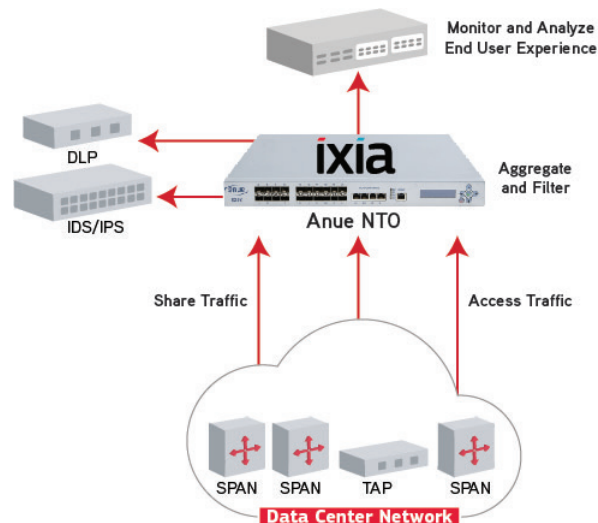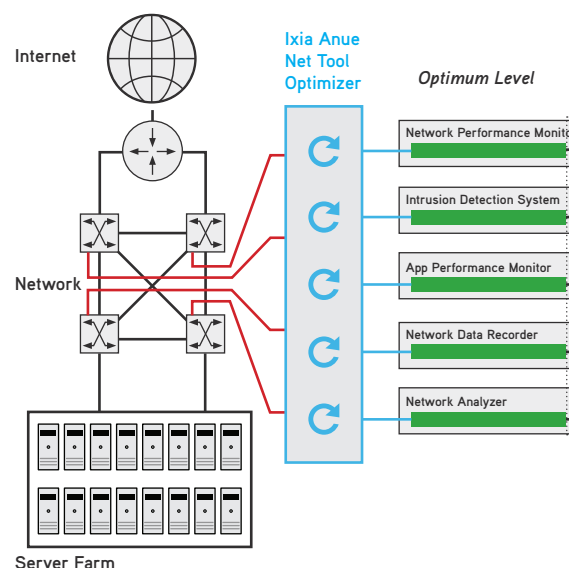

Traffic aggregates from all needed access points in the network to provide comprehensive visibility.

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Monitoring Challenges

Internet

Optimum Level

Network Performance Monitor

Intrusion Detection System

App Performance Monitor

Network Data Recorder

Network Analyzer

Network

Server Farm

Monitoring Solution

Internet

Ixia Anue
Net Tool
Optimizer

Optimum Level

Network Performance Monitor

Intrusion Detection System

App Performance Monitor

Network Data Recorder

Network Analyzer

Network

Server Farm

Ixia's Anue NTO Visibility

Ixia's Anue NTO helps you to break down end user experience data and drill down into various parts of the application flexibility in deployment across a distributed geography. The NTO solutions helps you to have more control of your externally and internally facing business services, making it easier to reduce downtime, improve end-user experience and ultimately capitalize on business objectives.

Ixia's NTO Efficiently and Flexibly Directs Traffic to a Monitoring System and Other Monitoring Appliances.

The Anue NTO complements a network monitoring solution by providing access to all needed network traffic. The NTO sits between access points in the network that require monitoring and the monitoring appliances. The NTO simultaneously aggregates traffic from multiple SPAN ports/TAPs in the network and directs it to the monitoring system. This approach provides efficient access to asymmetric traffic across large heterogeneous networks. Traffic that does not need to be analyzed can be filtered out by the NTO prior to consuming resources on the monitoring appliances.

The Anue NTO allows for the sharing of traffic from a network access point with multiple monitoring tools. This capability eliminates the common SPAN/TAP shortages that occur when another tool is attached to a needed access point. Additionally, by removing duplicate packets, the Anue NTO can enhance the throughput capacity.

The NTO's automation capability easily works with the monitoring systems for a range of applications that include the following examples:

- Load-balancing traffic across multiple monitoring input ports

- Dynamically tightening filters as needed to ensure that key transactions are always analyzed when total traffic spikes over 10Gbps

- Redirecting traffic among multiple monitoring appliances on a network to provide high availability

- Enable packet capture on-demand based upon NMS/ SIEM alerts

An intuitive control panel makes the Anue NTO easy to set up and use. Simply drag-and-drop a virtual connection between SPANs/TAPs and the monitoring device to make a live connection.

About Ixia's Network Visibility Solutions

The Ixia Anue Net Tool Optimizer® (NTO) provides complete network visibility into physical and virtual networks, improves network security and optimizes monitoring tool performance. The NTO ensures that each monitoring tool gets exactly the right data needed for analysis. This improves the way you manage your data center and maximizes return on investment.

Our customers include large enterprises, service providers, educational institutions and government agencies.

For more information see http://www.ixiacom.com.