



Complete Visibility for End User Monitoring

Combined Anue Systems and OPNET solution can monitor networks of any size

HIGHLIGHTS

The Anue Net Tool Optimizer™ (NTO) complements the OPNET AppResponse Xpert appliance 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. AppResponse Xpert, an appliance-based solution, monitors and analyzes end-user experience for all levels of transactions. It also supports in-depth monitoring and analysis of the underlying network, a domain that is vital for comprehensive Application Performance Monitoring (APM).

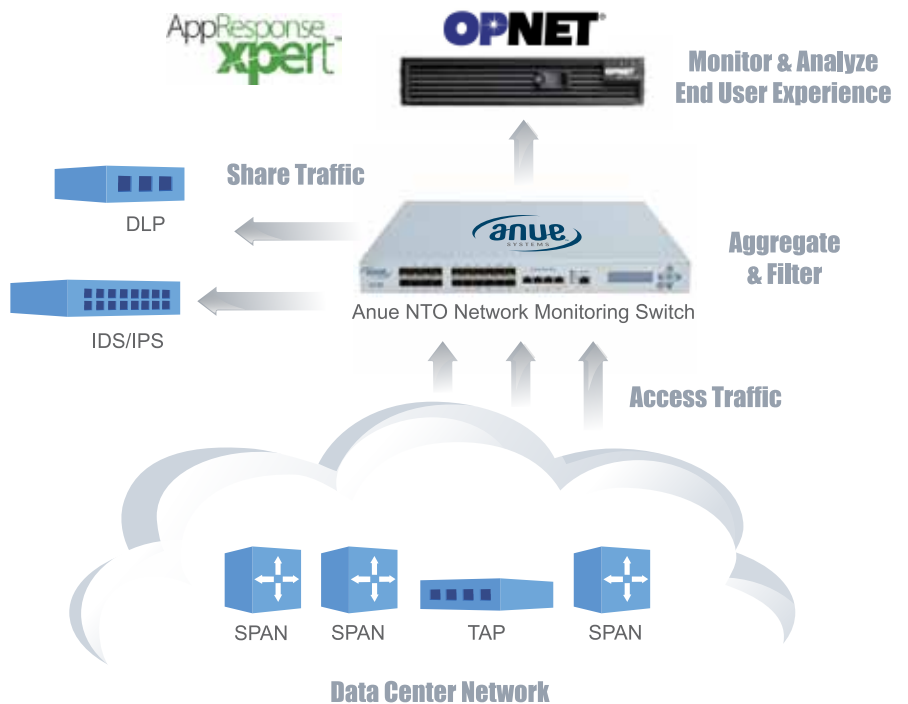
JOINT SOLUTION BENEFITS

- Full network visibility – The Anue NTO delivers all required traffic from anywhere in the network to the OPNET 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 1G, 10G or 40G 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 AppResponse Xpert appliances.

SOLUTION

The Anue Systems Net Tool Optimizer™ (NTO) and OPNET AppResponse Xpert appliance work together 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 AppResponse Xpert for analysis. Traffic aggregates from all needed access points in the network to provide comprehensive visibility. The AppResponse Xpert appliance then records and analyzes all the network traffic to monitor end-user experience and speed application troubleshooting.

OPNET's AppResponse Xpert provides not only end-user experience information at the transaction level, but also the next steps typically required by analysts. This allows them to breakdown end user experience data and drill down into various parts of the application infrastructure to understand the contributors to application performance issues.





ABOUT ANUE SYSTEMS

Anue Systems (anuesystems.com) creates products that help network engineers monitor and test complex networks. The Anue Net Tool Optimizer increases network visibility, improves monitoring tool performance and eliminates TAP and SPAN port shortages by replicating, filtering and aggregating data delivered to monitoring tools. Anue's Test and Measurement products emulate real world conditions in the lab to facilitate the testing and deployment of large networks. Founded in 2002, Anue's customers include telecommunication and cable service providers, government agencies and corporations with large data centers and enterprise networks.

ABOUT OPNET

OPNET Technologies, Inc. is a leading provider of solutions for application and network performance management. OPNET's solutions deliver broad visibility and monitoring across infrastructure domains as well as deep data collection and analytics to enable powerful root cause diagnosis. For more information, visit www.opnet.com.

CONTACT INFORMATION

Anue Systems Inc.

8310 N. Capital of Texas Highway
Building 2, Suite 300
Austin, TX 78731
www.anuesystems.com
Email: solutions@anuesystems.com
Toll Free: (877) 268-3269
U.S.: (512) 600-7171
EMEA: +44 (0) 1189 076 204

OPNET Technologies, Inc.

7255 Woodmont Avenue
Bethesda, MD 20814
Email: info@opnet.com
U.S.: (240) 497-3000

■ END-USER USER EXPERIENCE, NETWORK MONITORING AND ANALYTICS

AppResponse Xpert leverages the central role of the network in transporting transaction data to obtain vital information about relationships among clients and servers as well as server tiers. This information is useful for both performance analysis and troubleshooting, in AppResponse Xpert, and for the application discovery and dependency mapping functions performed by OPNET's AppMapper Xpert product. Onboard analytics extract transactions from application flows and breakdown application response time, identifying which parts of the infrastructure are contributing most to delays. The AppResponse Xpert automatically summarizes data according to applications and user-defined business entities, such as locations or departments.

With AppResponse Xpert users can:

- Troubleshoot application performance problems faster
- Detect application performance problems early, with no overhead on the application environment
- Ensure the performance of web-based business transactions
- Eliminate "finger-pointing" among IT teams concerning the source of application performance problems

■ ANUE OPTIMIZES NETWORK ACCESS TO OPNET APPLIANCES AND OTHER MONITORING TOOLS

The Anue NTO complements the OPNET solution by providing access to all needed network traffic. The Anue NTO sits between access points in the network that require monitoring and the AppResponse Xpert appliance. The NTO simultaneously aggregates traffic from multiple SPANs/TAPs in the network and directs it to the AppResponse Xpert appliance. This approach provides efficient access to asymmetric traffic across large heterogeneous networks. The Anue NTO also helps the AppResponse Xpert appliance consume fewer resources by filtering out traffic not needed for analysis before it can get to the AppResponse Xpert appliance.

The Anue NTO allows for the sharing of traffic from a network access point with multiple monitoring tools. This capability eliminates the 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 and storage capacity of the AppResponse Xpert.

The Anue NTO's automation capability easily works with the OPNET solution for a range of applications to:

- Load-balance traffic across multiple AppResponse Xpert input ports or appliances
- Filter out backup traffic automatically to save AppResponse Xpert disk space and processing effort
- Tighten filters dynamically, as needed, to ensure that key transactions are analyzed when total traffic spikes over 10Gbps
- Redirect traffic among multiple AppResponse Xpert appliances on a network to provide high availability

Anue's 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 OPNET to make a live connection.