

# AppTransaction xpert™

*Deep Transaction Performance Analysis and Prediction*

AppTransaction Xpert is a powerful tool for detailed analysis of individual transactions. In today's complex application architectures, a single transaction can involve many tiers and require thousands of messages to traverse the network. This solution makes extensive use of visualization and analytics to accelerate troubleshooting in production, as well as pre-deployment performance validation and prediction. In production, the combination of AppResponse Xpert™ and AppTransaction Xpert is unmatched in the industry, providing a seamless workflow that spans monitoring, alerting, triage, root cause diagnosis, and remediation guidance. In pre-deployment, AppTransaction Xpert is the industry-leading solution for application network readiness testing.

## Benefits

- Accelerate application performance troubleshooting.
- Provide convincing information to support problem remediation.
- Ensure the performance of applications prior to deployment.
- Avoid the cost of unnecessary bandwidth upgrades.

## Use AppTransaction Xpert to:

- Analyze a single transaction to quickly and conclusively determine the root cause of a performance problem.
- Visualize transactional behavior and performance and easily communicate information to application stakeholders.
- Perform packet-level analysis of Citrix ICA channel performance to troubleshoot performance problems in Citrix-hosted environments.
- Predict application performance prior to deployment.
- Accurately size access links.
- Test the effect of proposed application and infrastructure changes on application performance (e.g., data center consolidation).
- Validate the effectiveness of proposed approaches to fix performance problems.
- Quantify the effects of WAN optimization on your applications prior to making an investment.

[www.opnet.com](http://www.opnet.com)



## Compare AppTransaction Xpert to Other Solutions

- Broad range of out-of-the box analyses and reports.
- Free, unlimited agents are lightweight, for very low overhead. Other packet capture agents commonly introduce significant overhead on CPU and disk resources, and may introduce substantial components, such as a database.
- AppTransaction Xpert is the market leader for advanced transaction analysis with an active user community and continuous product evolution.

*"Prior to our work with OPNET, IT engineers spent a significant amount of time analyzing trace data and performance metrics, frequently arriving at different and conflicting conclusions on the cause of performance problems... We want to spend less time firefighting and spend more time focusing on our strategic business goals. OPNET is a key enabler in this transformation."*

**Manager, Network Planning and Engineering**  
Financial Services Company

*"Keep making intuitive products that help my team achieve minimal network downtime and I'll keep buying them."*

**Associate Director**  
Regional Health System

*"In my entire IT career, I have never seen a product with such a great ROI. In the 10 months that we have owned OPNET, it has more than paid for itself."*

**Director of IT**  
Regional Health System

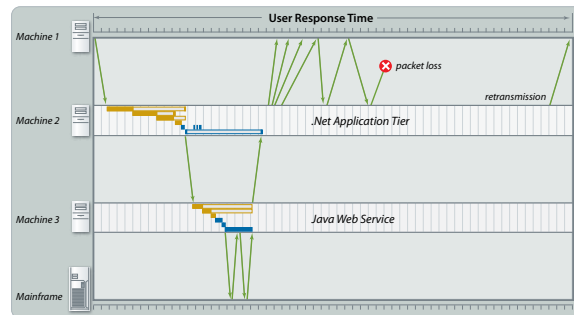
*"I think OPNET will change the way [the Agency] does business."*

**Network Operations Manager**  
U.S. Federal Agency



## Key Features

- Off-line, in-depth analysis leveraging packet traces obtained from a wide variety of sources.
- Powerful, graphical diagrams for visualizing application behavior.
- Hundreds of application and network protocol decodes, including Citrix, SOAP, VoIP, SSL, SQL, HTTP, etc.
- Unlimited, free, lightweight and secure packet capture agents, supporting a wide range of platforms.
- Continuous capture capability for troubleshooting intermittent problems.
- Coordinated multi-tier packet capture and automatic trace synchronization.
- Support for applications hosted in virtual environments.
- Accurate transaction modeling in WAN-optimized infrastructures.
- Automated diagnostic reports that pinpoint performance bottlenecks and summarize sources of delay.
- Unique Citrix ICA protocol analysis for visibility into Citrix virtual channels.
- Powerful “whiteboard” environment for “what-if” assessments of application modifications.
- Out-of-the-box and customizable reports for key stakeholders including application developers, network engineers, and management.



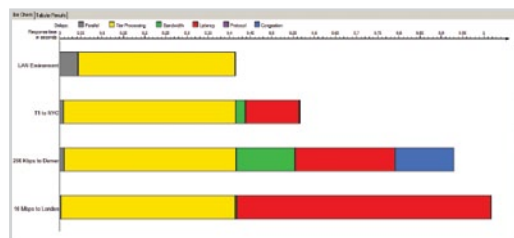
Automatically construct a detailed transaction model.

## Integration with Other OPNET APM Xpert™ Solutions

- Isolate transactions of interest in OPNET’s real-time end-user experience monitoring solution, AppResponse Xpert, and drill-down into AppTransaction Xpert for root cause analysis.
- Using data from AppInternals Xpert, analyze a unified view of a transaction’s dynamics, comprising both messages crossing the network and code-level call trees as the transaction passes through multiple tiers.
- Centrally manage large-scale agent deployments with AppTransaction Xpert Packet Trace Warehouse.

## Ask Us About...

- How our patented packet trace merge algorithms are able to automatically blend and synchronize traces captured on multiple systems.
- How our data collection technology can enable troubleshooting of performance problems that happen intermittently.
- How our expert analysis techniques automate the process of troubleshooting difficult TCP-related effects that create bottlenecks.
- How our packet decoding capabilities restore visibility in the presence of WAN optimization.



Predict the impact of infrastructure changes on end-to-end response time.

## Related Solutions

### AppResponse Xpert™

*End-User Experience, Network Monitoring and Analytics*

AppResponse Xpert passively monitors and analyzes end-user experience for all types of enterprise applications. Onboard analytics provide application recognition, user identification, root-cause analysis, and powerful business-level summarization. AppResponse Xpert simultaneously provides deep monitoring of the network and high-volume forensic storage. Optional modules include the Module for Database Performance Monitoring, the Unified Communications Monitoring Module, and NetFlow.

### AppInternals Xpert™

*Deep Application Component Monitoring and Analytics*

AppInternals Xpert traces user transactions through the application and provides deep monitoring for the individual components. It tracks hundreds of thousands of system and application metrics and performs powerful correlation analytics to detect patterns of behavior that rapidly identify the root cause of application performance problems. Exclusive low overhead technology enables AppInternals Xpert to continuously trace user transactions across all application tiers, with code-level detail.

### AppTransaction Xpert Packet Trace Warehouse

*Enterprise-Wide Packet Capture*

AppTransaction Xpert Packet Trace Warehouse enables centralized, enterprise-wide packet capture from end-user workstations and servers, providing a federated repository of forensic data to accelerate performance troubleshooting.

## About OPNET Technologies

OPNET Technologies, Inc. is a leading provider of application and network performance management solutions. 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. These solutions have been operationally proven in thousands of customer environments worldwide.

