

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.
- 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.

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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

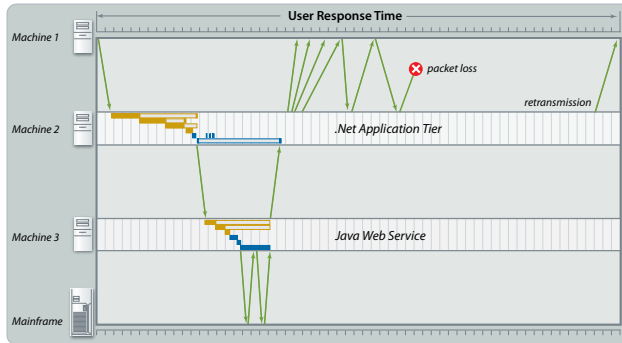
"I think OPNET will change the way [the Agency] does business."

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.
- 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 AppForensics Xpert.

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 is an appliance-based solution that monitors and analyzes end-user experience for all levels of transactions, and the underlying network. On-board analytics extract transactions from application flows and break down application response time, identifying which parts of the infrastructure are contributing most to delays.

AppInternals Xpert™

Deep Application Component Monitoring and Analytics

AppInternals Xpert delves into the complex software frameworks of modern servers to extract vast amounts of performance and forensic data for all aspects of application performance management from the server perspective. AppInternals Xpert supports any type of application, but excels in Java and .NET environments. It automatically detects cause-and-effect relationships among thousands of continuously tracked system and application metrics across multiple tiers, to diagnose root cause.

AppForensics Xpert™

Centralized Forensic Data Management

AppForensics Xpert enables centralized management of lightweight AppTransaction Xpert agents for secure web-based packet capture from end-user workstations. As a central repository for enterprise-wide forensic information, it accelerates 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.

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OPNET
Application and Network Performance

