

End-to-End Application Performance Management

OPNET's application performance management (APM) integrated suite of solutions leverages OPNET's best-in-class analytics for real-time monitoring, advanced application troubleshooting and tuning, and pre-deployment planning.

Full Lifecycle Approach

OPNET's APM solutions provide proven results throughout the application lifecycle:

- Ensure compliance with SLAs for end-to-end performance with 24x7 monitoring and alerting
- Accelerate problem remediation with real-time analytics and automatic diagnosis
- Reduce the risk of deployment delays or failure by certifying application network readiness prior to deployment
- Avoid inefficient and costly infrastructure investments with predictive planning
- Eliminate "finger-pointing" among teams responsible for application performance

End-to-End Application Performance Management

OPNET delivers a powerful APM suite that includes:

- The industry's first integrated solution for end-to-end application performance monitoring, troubleshooting, and problem resolution
- Full lifecycle coverage for deployment planning, testing, and production environments
- A comprehensive solution leveraging network, system, and application analytics

ADVANCED ANALYTICS—Real-time statistical correlation of metrics and events, as well as expert knowledge of applications, networks and servers, and how they interact

END-USER EXPERIENCE MONITORING—Continuous end-user application response times, providing real-time global visibility of all transactions and users across the enterprise

APPLICATION COMPONENT MONITORING—Continuous J2EE/.NET monitoring down to the method level, providing real-time visibility into application components across all web, application, and database servers

DATABASE MONITORING—Deep visibility into database activity, and real-time database transaction performance monitoring. The solution injects detailed database performance metrics and tracing into the root cause analysis process.

SYSTEMS MONITORING—Continuous systems performance monitoring at high resolution, reporting on systems resources, such as CPU, memory, and disk I/O

REAL-TIME FORENSICS—Detailed forensic captures, triggered by threshold violations, enabling integrated troubleshooting across network and systems layers

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Our approach to application performance management requires collaboration with and coordination among the application development teams and the IT infrastructure and operations teams. OPNET is the only company we've found that provides a complete end-to-end APM solution to make this a success.”

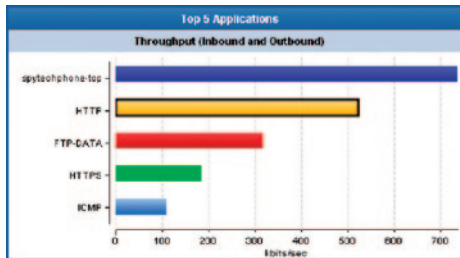
CIO

Fortune 500 financial services firm

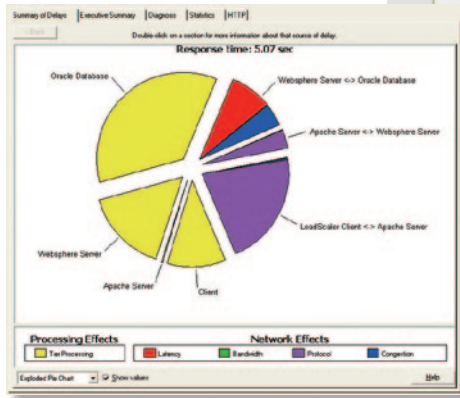
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OPNET[®]
Application and Network Performance™

AppResponse Xpert™ delivers an end-to-end solution that spans monitoring, measurement, and detection of application performance violations, providing visibility of all transactions and users across the enterprise. The appliance-based solution provides real-time and historical information about performance, utilization, route quality, ISP performance, and end-user response times. AppResponse Xpert detects service level violations and uncovers the root-cause of application performance problems via a seamless integration with AppTransaction Xpert.



AppResponse Xpert provides valuable information about user response time and network usage.



AppTransaction Xpert summarizes the sources of response time delay in an intuitive pie chart.

AppTransaction Xpert™ embeds expert knowledge about network protocols and application behavior as seen from a network perspective, providing a comprehensive understanding of the end-to-end performance of networked applications. AppTransaction Xpert's powerful, intuitive analysis environment enables application pre-deployment certification, validates planned changes, and accelerates troubleshooting of performance problems in production applications.

AppInternals Xpert™ delivers comprehensive performance management for critical Java and .NET applications, tracking thousands of metrics pertaining to application servers, web servers, databases, and system resources. AppInternals Xpert's unique correlation technology detects patterns in metrics and events automatically. AppInternals Xpert has unique instrumentation technology that allows it to provide in-depth instrumentation of applications with minimal overhead in production environments. Prior to deployment, AppInternals Xpert goes beyond simple load testing to guide QA engineers to the root causes of problems.



AppInternals Xpert correlates real-time values and historical data to automatically generate sets of related metrics.

AppSQL Xpert™ provides deep visibility into database performance through real-time monitoring of a broad range of metrics, with drill-down to fine-grained forensic database transaction data for troubleshooting. It performs detailed tracking of database usage for trending and performance optimization. AppSQL Xpert provides a high definition understanding of database performance without requiring access to database servers – and consequently it has no performance impact on database operation.

STAR 24™

A rapid response troubleshooting service to identify the root cause of application performance problems using OPNET's advanced analytics-based solutions and best practice methodologies. OPNET will begin work immediately and dispatch a consultant to the customer's facility within 24 hours after receiving a commitment to proceed.

End-to-End Application Performance Management Solutions Address

End-to-End Response Time

Identify performance problems before users complain about response times or leave your website.

QA Performance Testing

Identify and address application choke-points, while accelerating QA by reducing iterations between test and development teams.

Data Center Migrations

Predict the impact of data center consolidations and migrations on application performance.

VoIP Deployment and Monitoring

Gain insight into poor call quality and determine the root cause of performance problems with VoIP deployments.

WAN Optimization Deployment and Operation

Quantify application performance benefits, recommend candidate sites for WAN optimization, and provide network visibility for troubleshooting.

About OPNET Technologies

OPNET Technologies, Inc. is a leading provider of solutions for managing IT service assurance. OPNET's best-in-class solutions address application performance management and network performance management. OPNET's solutions have been operationally proven in thousands of customer environments worldwide.

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