

# AppMapper xpert™

*“What’s in your Application?”*

## AppMapper Xpert automatically discovers application and infrastructure relationships to create a run-time application dependency map.

- Leverages application performance management instrumentation in order to produce a comprehensive model of the application ecosystem based on behavior observed in the run-time environment.
- Is uniquely suited to dynamic operating environments, such as SOA, virtualization, and cloud.
- Supports virtually any application type, including custom and popular third-party software.

## Benefits

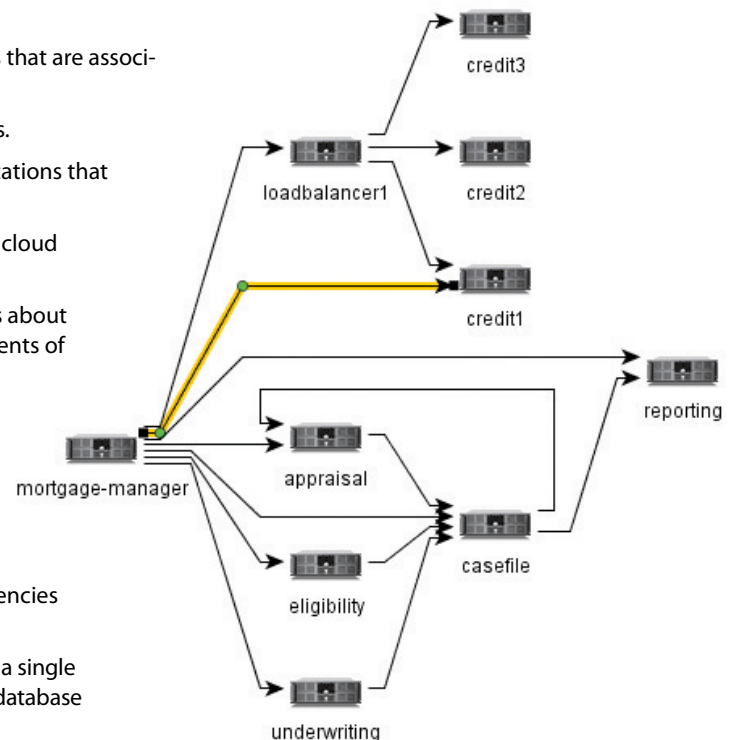
- Gain visibility into application dependencies in dynamic environments, including virtualization, SOA, and cloud computing.
- Accelerate application troubleshooting by pinpointing components that are associated with a specific application.
- Quickly assess the service impact of infrastructure events or outages.
- Improve change management and reduce risk by identifying applications that depend on a particular server or network device.
- Determine application dependencies to reduce risk associated with cloud migration, server virtualization, and data center consolidation.
- Provide detailed, accurate information to business unit stakeholders about the complete application environment, including enabling components of the underlying infrastructure.

## Key Features

- Automatically discover relationships among application and infrastructure components for complex, multi-tier applications.
- Leverage existing performance management instrumentation.
- Produce “run-time” application maps that accurately reflect dependencies at the time of execution.
- Create a detailed map of an application’s dependencies, starting with a single application identifier (e.g., server name, URL, method name, process, database query, etc.).
- Combine network-level information with application details regarding processes, classes, components, and databases.
- Visualize dependencies through simple application maps.
- Easily add/delete relationships.
- Search for any element throughout the application infrastructure, such as a user, host, URL, method name, SQL query, etc.
- Authenticate users using LDAP, Active Directory, Radius, and TACACS+.
- Available through Software-as-a-Service or licensed software.

*“OPNET’s capabilities in AppMapper Xpert ... are indeed an impressive combination of practical, easily deployed options that deliver unique insights into real-time, application-to-application, and application-to-infrastructure interdependencies.”*

**OPNET’s AppMapper Xpert Brings Real-time Perspectives to Application Ecosystem Performance and Optimization,**  
Enterprise Management Associates



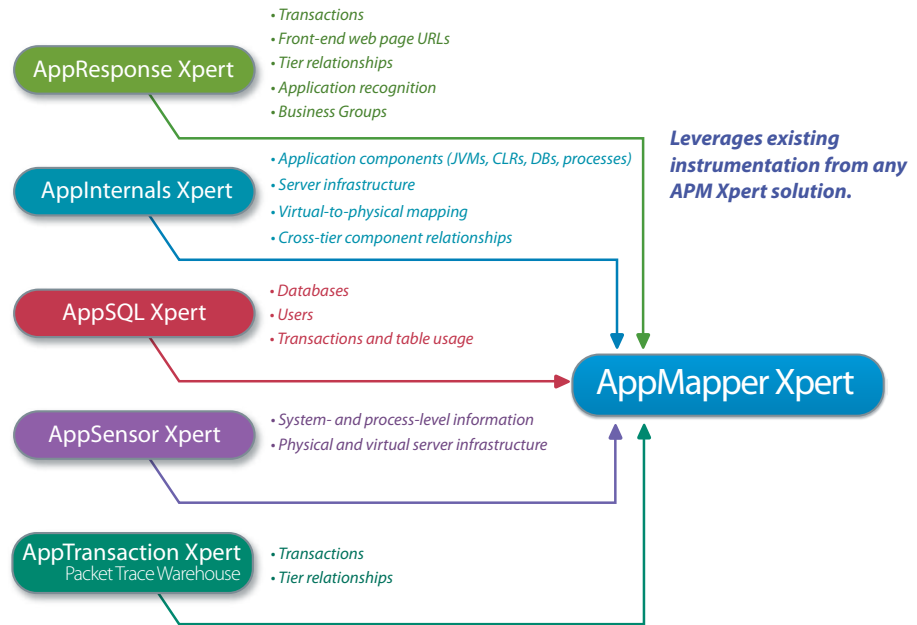
**Automatically generate a run-time application dependency map.**

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**OPNET®**  
Application and Network Performance™

## Integrations with Other OPNET APM Xpert™ Solutions

- Discover inter-server relationships, leveraging AppResponse Xpert's or AppTransaction Xpert agents' visibility into network traffic.
- Understand server roles within the architecture by adding detailed data from AppInternals Xpert.
- Obtain system- and process-level information for servers and clients using integration with AppSensor Xpert.
- Retrieve database user and transaction information for servers and clients leveraging integration with AppSQL Xpert.
- Incorporate application maps into AppResponse Xpert dashboards and troubleshooting workflows.



## Compare AppMapper Xpert to Other Solutions

- AppMapper Xpert provides a run-time model of application dependencies uniquely suited for operational workflows, unlike CMDDB-based solutions that focus on static IT dependency models.
- AppMapper Xpert automatically determines the dependency map for all kinds of

applications, including "home grown" ones. Other solutions commonly rely on pre-determined architecture models for popular third-party applications, or manual input to define dependencies.

- AppMapper Xpert is uniquely suited to dynamic operating environments, such as

virtualized servers and SOA applications, because it produces an accurate run-time model of the application at the time of execution. Static models cannot achieve the same level of accuracy.

- The SaaS delivery model minimizes up-front costs and accelerates benefits.

## 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.

### AppSQL Xpert™

*Agentless Database Performance Monitoring*

AppSQL Xpert provides deep visibility into database transaction performance through real-time monitoring. It tracks database usage for monitoring, troubleshooting, and performance optimization. AppSQL Xpert's passive approach imposes zero overhead on database operation.

### AppTransaction Xpert™

*Deep Transaction Performance Analysis and Prediction*

AppTransaction Xpert provides detailed analysis of multi-tier application transactions. Using code-level and network-level forensic data, it builds

a detailed transaction model for root-cause analysis and predictive studies. AppTransaction Xpert Packet Trace Warehouse offers centralized control of enterprise-wide desktop agents that collect packet traces and environmental conditions (CPU, memory, I/O, etc.) from user desktops. It provides a federated repository of forensic data to accelerate performance troubleshooting and application mapping.

### AppSensor Xpert™

*Agentless Application and Infrastructure Monitoring*

AppSensor Xpert provides broad infrastructure monitoring, using remote instrumentation interfaces to capture performance information from infrastructure components including servers, application components, the application delivery network, and vendor-specific management systems. AppSensor Xpert supplies real-time and historical data for a more complete picture of the application's operating environment.