

# VMware vFabric Application Performance Manager

Comprehensive Performance Management for Applications  
Deployed on Virtual or Cloud Infrastructure

## AT A GLANCE

From the leader in virtualization and cloud infrastructure, VMware® vFabric™ Application Performance Manager defines the new standard for monitoring and management tools for owners of applications deployed on virtualized or cloud infrastructure. Focusing on the business view of application performance—rather than infrastructure utilization—this new approach is easy to set up, works across any cloud, and simplifies the identification and remediation of performance problems down to the code level.

## KEY BENEFITS

- **Single-pane-of-glass** console streamlines management of dynamic cloud applications.
- **Is simple** to set up, use and extend across any application and any cloud in minutes.
- **Speeds** root-cause identification by triangulating problems across servers, transaction paths and code changes.
- **Policy-based** alerting and remediation ensure problems are fixed quickly.

## What Is VMware vFabric Application Performance Manager?

Application Performance Manager is a new breed of application performance management solution built specifically for cloud consumers. While cloud providers focus on the infrastructure-utilization aspect of performance, cloud consumers need a new management approach that centers on the application itself—specifically looking at transaction performance and how infrastructure resources and code changes affect overall application health.

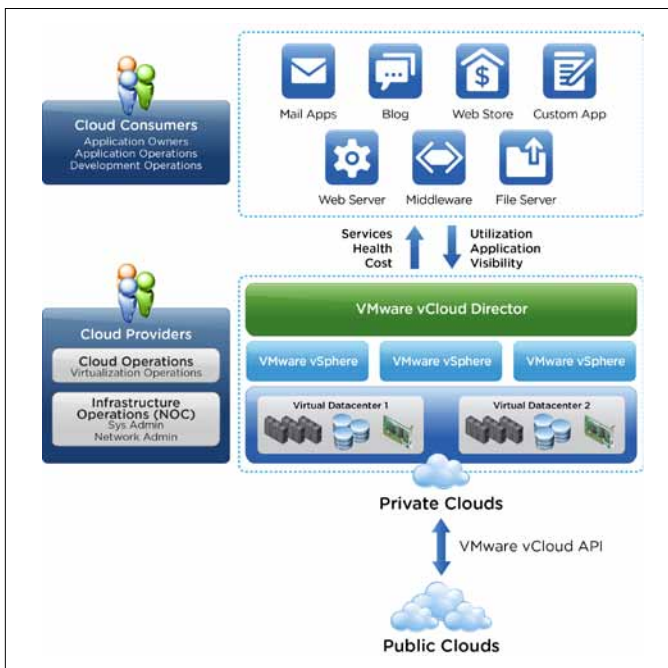
Simple to set up, use and extend, Application Performance Manager is driven by VMware vFabric AppInsight, which provides a next-generation application-operations dashboard. With AppInsight, transaction paths are monitored from a user perspective to help cloud consumers view true performance. Integrated within the AppInsight dashboard, additional details—such as correlated metrics on resource performance from VMware vFabric Hyperic® and byte-code instrumentation—make it easy to identify root causes and take action at the code level to fix problems quickly.

## How Is Application Performance Manager Used?

Application Performance Manager is used by application owners who rely on cloud and virtual-infrastructure providers to power their applications but have a commitment to their customers to maintain high service levels. These cloud consumers need a new type of management tool that is simple to use, is cloud-ready, and gives them the visibility and control to meet their performance goals. Automatically modeling transactions across all application tiers and discovering application resources, Application Performance Manager makes setting up and managing dynamically scaling applications easy. With real-time visibility into transaction performance and embedded details on resource and code performance, it gives application owners and IT a common perspective that enables them to work together to identify and solve potential performance problems early.

Application owners choose Application Performance Manager because it is

- **Simple to use** – Extensive automation and an intuitive user interface simplify application performance management at any scale.
- **Streamlines application support processes** – Provides the common perspective and granular detail that enables application build, release and monitoring teams to collaborate and maintain application performance more effectively.



**New Cloud Operations Model.** Cloud consumers build, deploy and manage applications independently of the underlying infrastructure and the cloud-provider teams supporting it. To be successful, this new generation of application owners needs a new breed of management tool that focuses on the business view of application performance.

- **Cloud-ready** – The ability to track live changes and costs across any cloud gives application owners the insight they need to know how and where to scale their applications.

## Key Features

### Simplicity

Intelligent automation and an easy-to-use user interface dramatically reduce the complexity and manual effort needed to manage dynamic applications at scale:

- **Easy to set up and manage** – Auto-discovery provides a continuously updated inventory of all application resources and transaction paths to keep pace with the fast-changing topology of modern cloud-based applications.
- **Intelligent user interface** – Powerful visualizations of overall application health—with detailed graphical and tabular views of health trends, throughput and errors—help surface performance slowdowns quickly, before they cause outages.
- **Baseline performance trends** – Intelligent metric data analysis automatically determines normal behavior for performance metrics—such as transaction times, throughput and latency—to create a baseline of performance and an overall health score that can be used for alerting policies should performance begin to degrade.

### Converged Performance Perspective

An integrated approach to application performance management allows cloud-provider teams to partner with application teams and provide unified application support:

- **Application focused** – Cloud consumers can finally manage application performance as the business sees it, starting with application transaction performance and layering in visual correlations of infrastructure resource and code performance.
- **Improved collaboration** – Integrated application runtime management processes—including monitoring, diagnostics and remediation—provide a common language for operations and development teams to address performance-related issues.
- **Native support for VMware cloud infrastructure** – Integration with VMware vSphere® and supporting products such as VMware vCenter Operations and vCenter Orchestrator allow organizations to extend workflows and remediation—such as rollback and capacity expansion—to the virtual infrastructure for end-to-end cloud management.

## Support for Any Application, Any Cloud

Designed specifically for the cloud, with specialized support for scaling applications up or down based on needs, Application Performance Manager gives organizations the confidence that they can manage application health and cost—no matter where their applications live:

- **Cloud-aware** – Designed for virtualized and hybrid cloud environments, application monitoring keeps track of starting, stopping and moving virtual machines seamlessly.
- **Application costing** – Dynamic cost tracking helps application owners make sure application costs stay within bounds.
- **Extensible framework** – Open, standards-based framework helps application teams to place new or emerging software and infrastructure resources under management quickly, with little effort.

## Find Out More

For information or to purchase VMware products, call 1-877-4VMWARE (outside of North America, +1-650-427-5000), visit <http://www.vmware.com/products> or search online for an authorized reseller. For detailed product specifications and system requirements, refer to the VMware vFabric Application Performance Manager documentation.

