Monitor and manage your cloud-based applications

The old ways of managing application performance don't work in the cloud. If your mission-critical apps are in the cloud already – or you're planning to migrate them from the data center – you need the performance assurance delivered by AppDynamics.

Applications run differently in the cloud. Servers come and go, and nodes are constantly spinning up and down. In order to ensure the performance of cloud and hybrid applications, IT and Ops teams need a trusted Application Performance Management (APM) solution that's been built to answer the unique needs of the cloud, and to take advantage of its benefits.

Introducing AppDynamics

AppDynamics is the leading provider of application management for modern application architectures in both the cloud and the data center, delivering solutions for highly demanding distributed, dynamic, and agile environments. We allow companies to monitor, troubleshoot, diagnose, and scale their production applications – gaining 10x their current level of visibility and getting to root cause 90% faster.

AppDynamics equips application owners with a powerful arsenal for ensuring the performance of cloud-based apps:

Cloud monitoring and management

– **Keep 100% visibility and troubleshooting capability with dynamic cluster aggregation.** If you leverage cloud capacity and do agile development, your cloud instances are going to change frequently. AppDynamics adapts to those changes and ensures that you never lose sight of how your application is performing.

– **Manage your nodes with intelligent instance lifecycle tracking.** AppDynamics responds to changes in the number and identity of cloud instances, even as new nodes are provisioned and old ones are killed off. We continuously learn "normal" performance levels and automatically manage the clean-up of dead nodes.

– **Constantly scale with extreme single-application scalability.** To manage massive scale and provide 100% visibility, AppDynamics allows several thousands of cloud nodes to report to a single AppDynamics controller.

– **Prevent performance degradation.** Use AppDynamics to ensure the success of your cloud project by measuring the performance baseline of your applications pre- and post-migration.
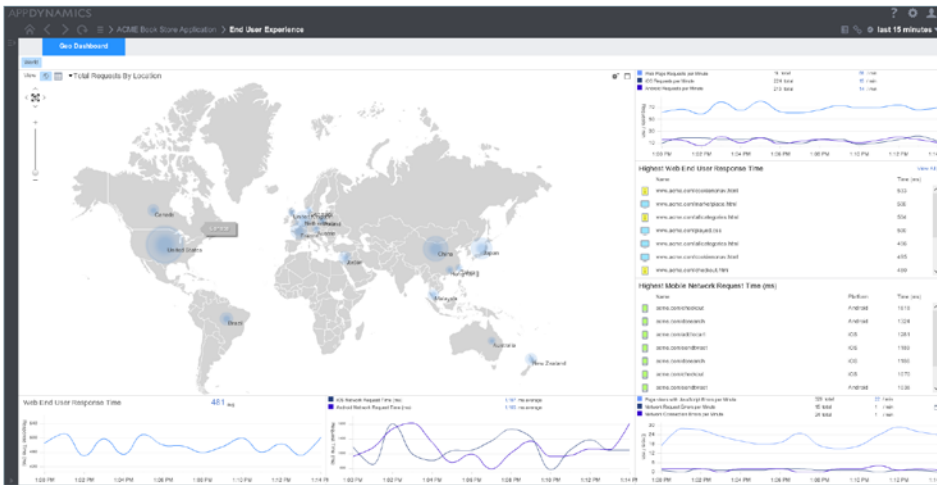
KEY BENEFITS

– Keep full visibility even as nodes come and go

– Prevent performance degradation when you migrate from the data center to the cloud

– Manage massive scale – thousands of nodes – from a single controller

– Runbook Automation resources to respond to real-time capacity requirements

"Easy set up, no overhead, and can be used in production."

Muthu Shanmugam, Solution Architect, American Automobile Association

Dynamic provisioning

– **Dynamically provision application resources to respond to real-time demand and service level requirements.** By leveraging cloud capacity on an as-needed basis, you can eliminate the need to over-provision to account for peak loads. Policy-driven alerts, notifications and workflows can be triggered to address problems and ensure the continuous operation of application services.

– **Leverage pre-built connectors.** Simplify the automation process by using pre-build connectors for cloud and virtual environments such as Amazon EC2 and VMware.

The benefits to you

– Illuminate application performance blind spots

– Identify potential performance problems before they impact end-users

– Establish performance baselines and automatically identify anomalies

– Create capacity to meet demand – scale up and scale down applications as needed in real-time

– Deploy in hours or days – not weeks

SUPPORTED ENVIRONMENTS

Supported Run-Time Environments
Java 1.5 and above (both 32-bit and 64-bit)
Microsoft .NET CLR 2.0 and above (both 32-bit and 64-bit)

Supported Frameworks
AppDynamics supports all common Java and .NET frameworks (e.g. JavaEE, Spring, ASP.NET, ADO.NET, WCF)

Supported Application Servers
Weblogic

Apache Tomcat

JBoss

IBM Websphere

Glassfish

Jetty

Resin

Solr

Webmethods

Microsoft IIS

Microsoft Windows Service and Console (.NET Standalone)

Supported Transport Protocols
AppDynamics supports all common transport protocols (e.g. HTTP, JMS, RMI, JDBC, and SOAP along with web services implementations such as Axis).

Supported OS
Solaris, Linux, AIX, HP-UX, Microsoft Windows 2003 and 2008 (32-bit and 64-bit)

WHO IS IT FOR?	PROBLEMS SOLVED
– IT Operations	– Uptime and availability
– Production support	– Slow response time
– Developers	– Memory leaks & thrash
– Architects	– Stalls
– Anyone whose phone rings when the application is having problems	– Deadlocks
	– Slow database response
	– Database connection pool areas
	– End-user monitoring
	– Mobile APM

Try it FREE at appdynamics.com