

## Ensure end-to-end performance of complex distributed Java applications

Complex Java web applications often contain frustrating blind spots and mysterious, recurring problems. Only AppDynamics delivers the simplicity, visibility, and deep diagnostics that Ops and Dev teams require.

The new world of distributed web applications has created a whole new set of challenges for those tasked with ensuring Java application performance. With the shift toward service-oriented architectures (SOA), Java applications now operate in rapidly changing environments. As a result, performance problems surface that are often difficult to identify, diagnose, and fix.

As these applications become increasingly critical to the business, it's more important than ever to have a simple yet fast way to monitor, diagnose, and resolve Java application problems before they affect revenue.

The AppDynamics Application Performance Management provides business transaction-centric management of most complex and distributed java applications. The solution is extremely easy to configure and deploy, automatically discovers business transaction, consumes little production overhead, monitors every line of code, and dynamically baselines performance to proactively identify and resolve java application performance issues before they impact customers and the business.

### What makes AppDynamics Java APM different?

#### Automatically visualize and map Java application dependencies

- Automatically discover java application topology and JVM dependencies, and trace key business transactions based on production application behavior
- Visualize and prioritize the end to end business transactions performance and not just the health of the application and infrastructure nodes

#### Monitor JVM health and performance

- Understand the health of your JVM with key Java tuning and profiling metrics, including: response times, throughput, exception rate, garbage collection time, code deadlocks, and more.
- Correlate application metrics with key host server health metrics such as CPU, memory, and disk I/O – all within the same UI.

#### Automatically baseline performance to alert and address emerging issues in context of Business Transactions

- Know your performance in the context of auto-generated dynamic baselines
- Integrated with incidents and alerting systems ServiceNow, PagerDuty, and Jira

#### 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** – as many as 4,000 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, AAA



**Quickly isolate and resolve production java application performance issues at code-level depth with minimal overhead**

- Leverage Smart Code Instrumentation to enable in-depth monitoring of production apps without making configuration changes
- Monitor every transaction but intelligently capture details of only the anomalous transactions, making the platform scale to meet the demands of large enterprises

**Enhance Dev & Ops collaboration with role-based views and Virtual War Room**

- Leverage the DevOps Virtual War Room capability to enable everyone to collaborate and troubleshoot while sharing the same performance data
- Avoid tedious manual steps with Runbook Automation by automatically capturing snapshots and resolving performance issues as they are developing

**Maximize the visibility and control of cloud application with deep support for key IaaS/PaaS platforms**

- Complete visibility into applications deployed in cloud and on-premises and monitor the business transactions across the distributed applications
- Quick time to value by monitoring Java applications developed and deployed in key IaaS/PaaS platforms, including, Amazon Web Services, Pivotal Cloud Foundry and Redhat OpenShift

**Leverage platform extensibility to support additional applications and infrastructure**

- Monitor every element of your application infrastructure
- 130+ supported extensions for wide monitoring coverage



Try it FREE at [appdynamics.com](http://appdynamics.com)

**WHO IS IT FOR?**

- IT Operations
- Production Support
- Developers
- Architects
- Anyone whose phone rings when the application is having problems

**PROBLEMS SOLVED**

- Uptime & Availability
- Slow response time
- Memory Leaks & Thrash
- Stalls
- Deadlocks
- Slow database response
- Database connection pool areas
- End-User Monitoring
- Mobile APM

**SUPPORTED ENVIRONMENTS**

**Supported run-time environments**

Java 1.5 and above including Java 8 (both 32-bit and 64-bit)

**Supported backend environments**

AppDynamics supports all common backend environments (e.g. Oracle, MySQL, Cassandra)

**Supported frameworks**

AppDynamics supports all common Java frameworks (e.g. JavaEE, Spring, Akka/Scala)

**Supported application servers**

- Felix
- Sling
- Cold Fusion
- Equinox
- InfoSphere
- Liferay Portal
- WebLogic
- Apache Tomcat
- JBoss
- IBM WebSphere
- Glassfish
- Jetty

Resin  
Solr

**Supported enterprise applications**

WebMethods  
Tibco

**Middleware support**

ActiveMQ  
Axis  
Apache  
Synapse

**Supported frameworks**

IBM MQ  
JBoss  
RabbitMQ  
SonicMQ  
WebLogic

**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, 2008 and 2012 (32-bit and 64-bit)