

MANAGEMENT PACK FOR NON-ORACLE MIDDLEWARE



FEATURES

- Trace transactions across multi-tier environments
- Improve application visibility by correlating application services with underlying code components
- Monitor applications using POJO frameworks
- Automate discovery and asset tracking of middleware configurations
- Track configuration changes historically
- Ensure service levels are met within infrastructures as well as from the web application front-end

BENEFITS

- Provides faster resolution of application performance issues and root cause analysis with model driven diagnostics
- Improves service by avoiding down time and enforcing compliance by managing configuration change
- Reduces cost by providing central console Oracle and Non-Oracle technologies

Most application performance problems surface during peak loads. Often such problems are not reproducible or require significant resources to reproduce in test environments. Application administrators need diagnostics solutions that will not only monitor production applications but also provide intelligence to diagnose problem early and avert emergencies. Management Pack for Non-Oracle Middleware provides proactive monitoring and advanced diagnostics capabilities for applications running on non-Oracle middleware to help administrators prevent crashes and other undesirable outcomes in high load production environments.

Application Performance Management

The Management Pack for Non-Oracle Middleware greatly improves application performance management by providing critical monitoring capabilities such as early and automatic identification of performance bottlenecks from a top-down perspective. As the only tool with visibility into the “functional logic and context” of a Java application, Oracle Enterprise Manager provides user-friendly, root cause analysis from the URL down to the actual piece of problematic Java code while keeping an eye on the full execution context of the measurement.

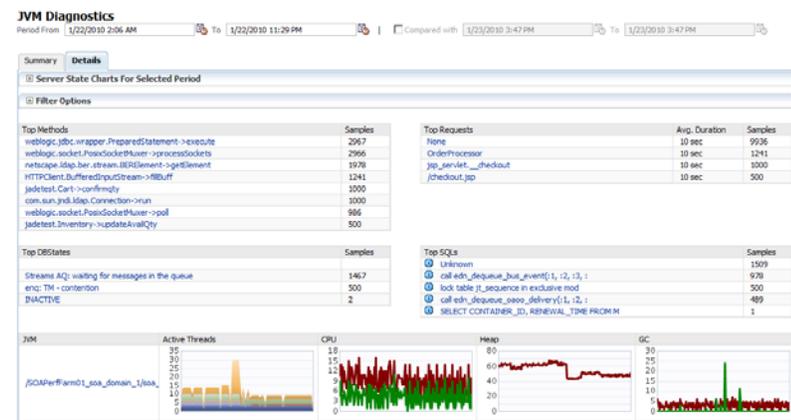


Figure 1. JVM diagnostics provide deep visibility into the behavior of applications in production

Real-time visibility into JVM & Cross-tier Diagnostics

Enterprise Manager shows the current state of the JVM and the application. It shows all the active threads and the resources that are causing performance problems. It shows active threads, their states, and the line of code that is being executed by each thread. It shows the slowest methods, and the slowest requests for the applications

running in the JVM. Administrators can identify the slowest methods, their line numbers in java code, and associated call stack. Enterprise Manager helps to quickly isolate memory leaks using unique differential heap analysis.

Enterprise Manager also gives you cross-tier visibility in production environments. For example, administrators can find a stuck thread serving a user request and trace it down to the SQL that has caused an exclusive lock on the database.

Reducing Problem Resolution Time with Model-Driven Diagnostics

The complexity of enterprise Java applications also presents a unique challenge when problems occur. User interface aggregation and Web services create a visibility gap between what the user requests (e.g. a standard URL) and how the application executes the transaction. The Management Pack for Non-Oracle Middleware provides the unique capability to gain visibility into the architecture of your applications in addition to the behavior at a code level. In cases where an Oracle database is being utilized, it allows you to drill down to view the performance of a specific method call and track the details of JDBC/ SQL calls.

Service Level Management

The Management Pack for Non-Oracle Middleware helps IT organizations to achieve high availability, performance, and optimized service levels for their business services. The pack actively monitors and reports on the availability and performance of services - including a variety of end-user business functions. Using service tests or synthetic transactions executed from remote user locations, businesses can monitor services from the end users' perspective, and its correlation to the underlying IT infrastructure. In addition, the pack assesses the business impact of any service problem or failure, and indicates whether service level goals have been met.

Business Transaction Management

Web-based applications in modern day infrastructures are routinely de-coupled in order to streamline development and deployment and may in many cases span heterogeneous platforms within the enterprise. In order to ensure that these critical applications and services meet acceptable service-levels, administrators must be able to trace transactions across container boundaries. Management Pack for Non-Oracle Middleware provides business transaction management capabilities that offer both aggregated and individual transaction tracing options as well as views into the overall transaction request topology and server distribution.

Summary

Management Pack for Non-Oracle Middleware provides a wide range of functionality to help administrators effectively and efficiently monitor the applications running on non-Oracle technologies. It covers the following product platforms:

- IBM WebSphere Application Server
- JBoss Application Server

RELATED PRODUCTS

The following additional Oracle Enterprise Manager 11g packs are available and recommended for use along with the Management Pack for Non-Oracle Middleware:

- WebLogic Server Management Pack EE
- SOA Management Pack Enterprise Edition
- Management Pack for WebCenter Suite
- Management Pack for Identity Management
- Real User Experience Insight
- Application Testing Suite

- Apache Tomcat
- Microsoft BizTalk Server
- Microsoft IIS
- Business Works
- DataPower

Contact Us

For more information about the Management Pack for Non-Oracle Middleware, please visit

http://www.oracle.com/technology/products/oem/prod_focus/soa_mgmt.html or call +1.800.ORACLE1 to speak to an Oracle representative.



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