# ORACLE ENTERPRISE MANAGER 10$^g$ SYSTEM MONITORING PLUG-IN FOR IBM WEBSPHERE MQ

**SYSTEM MONITORING PLUG-IN FOR IBM WEBSPHERE MQ**

GRID CONTROL DELIVERS A BREADTH OF MANAGEMENT PLUG-INS FOR COMPLETE MONITORING OF THE ORACLE GRID ENVIRONMENT

- Consolidate all of the information about your Oracle environment in the Grid Control Console
- Correlate availability and performance problems across entire set of IT components
- Enhance service modeling and perform comprehensive root cause analysis
- Increase operational efficiencies

SYSTEM MONITORING PLUG-IN FOR IBM WEBSPHERE MQ DELIVERS:

- Out-of-box availability and performance monitoring
- Out-of-box reports for easier problem diagnosis, trend analysis and capacity planning.
- Advanced monitoring and event management features:
  - Blackouts
  - Corrective Actions
  - Notifications
  - User-defined metrics
  - Monitoring Templates
  - Dashboards

*The Enterprise Manager 10$^g$ Grid Control System Monitoring Plug-in for IBM WebSphere MQ delivers comprehensive availability and, performance information for IBM WebSphere MQ. By combining IBM WebSphere MQ monitoring with the richest and most comprehensive management of Oracle systems, Grid Control significantly reduces the cost and complexity of managing IT environments that have a mix of IBM and Oracle technologies. Administrators running Oracle systems and IBM WebSphere MQ can now centralize all of the monitoring information in the Grid Control Console, model and view the complete topology of their applications, and perform comprehensive root cause analysis.*

## Realize Immediate Value through Out-of-Box Availability and Performance Monitoring

The System Monitoring Plug-in for IBM WebSphere MQ automatically collects a comprehensive set of availability and performance metrics with pre-defined thresholds, immediately alerting administrators of any issues. This allows administrators to derive instant value, while giving them the flexibility to fine-tune thresholds according to their specific operational requirements. Some of the key areas of the more than 60 performance indicators being monitored include queue manager status, channel status, queue depth, bytes sent and/or received, and messages sent and/or received.

In addition to real-time monitoring of performance metrics for IBM WebSphere MQ, Grid Control also stores the monitoring information in the management repository, thereby enabling administrators to analyze performance through various historical views (Last 24 Hours/ Last 7 Days/ Last 31 Days) and facilitating strategic tasks such as trend analysis and reporting.

To further aid administrators with critical tasks such as problem diagnosis, trend analysis and capacity planning, the System Monitoring Plug-in for IBM WebSphere MQ includes various out-of-box reports, summarizing key information about availability and performance. These reports are easily accessible from the IBM WebSphere Queue Manager Home page in the Grid Control Console and from the Information Publisher (Enterprise Manager's powerful reporting framework), enabling administrators to schedule, share, and customize reports to fit their operations needs.

## Apply Grid Control's Powerful Monitoring and Event Management Features to IBM WebSphere MQ

The System Monitoring Plug-in for IBM WebSphere MQ leverages Grid Control's powerful monitoring and event management features for IBM WebSphere MQ monitoring, thereby delivering a robust monitoring solution through automation, standardization and "manage many-as-one" approach. Key features include:

- **Blackout Periods**: prevent unnecessary alerts from being raised during scheduled maintenance operations, such as hardware upgrade.
- **Monitoring Templates**: simplify the task of standardizing monitoring settings across the entire IBM WebSphere MQ environment, by allowing administrators to specify the monitoring settings (metrics, thresholds, metric collection schedules and corrective actions) once and applying them to any number of queue manager instances.
- **User-defined Metrics**: allow administrators to collect and monitor parameters specific to their environments.
- **Corrective Actions**: ensure that routine responses to alerts are automatically executed, thereby saving administrators time and ensuring problems are dealt with before they noticeably impact users.
- **Notification Rules, Methods and Schedules**: define when and how administrators should be notified about critical problems with their applications, ensuring quicker problem resolution.
- **Groups / Systems**: significantly simplify management of large numbers of components, allowing administrators to "manage many-as-one". By combining queue manager instances in groups, or including them in heterogeneous groups or systems, administrators can benefit from a wealth of group management features, such as ability to proactively monitor availability and alerts of all group members via the System Monitoring Dashboard.

## Centralize All of the Monitoring Information in a Single Console

The System Monitoring Plug-in for IBM WebSphere MQ provides administrators managing Oracle systems and IBM WebSphere MQ with a consolidated view of the entire enterprise, enabling them to monitor and manage all of their components from a central place. Having such an integrated tool reduces the total cost of ownership by eliminating the need to manually compile critical information from several different tools, thus streamlining the correlation of availability and performance problems across the entire set of IT components. In addition, the System Monitoring Plug-in for IBM WebSphere MQ complements Grid Control's existing plug-in support for host systems (requires licensing of System Monitoring Plug-in for Hosts), providing administrators with more depth and greater ability to view IBM WebSphere MQ operations directly in the context of operating system activity.

## Enhance Service Modeling and Perform Comprehensive Root Cause Analysis

Grid Control's Service Level Management functionality provides a comprehensive monitoring solution that helps IT organizations achieve high availability, performance, and optimized service levels for their business services. Administrators can monitor services

## RELATED PRODUCTS

The Oracle System Monitoring Plug-In for IBM WebSphere MQ is integrated with the following Oracle Management applications:

- Management Packs for Database
  - Tuning Pack
  - Diagnostics Pack
  - Configuration Pack
  - Change Management Pack
  - Provisioning Pack
- Management Packs for Application Server
  - Diagnostics Pack
  - Configuration Pack
  - Provisioning Pack
  - SOA Management Pack
  - Identity and Access Management Pack
- Application Management Pack for Oracle E-Business Suite
- Application Management Pack for PeopleSoft
- Application Management Pack for Siebel
- Stand Alone Management Packs
  - Service Level Management Pack
  - Configuration Management Pack for Non-Oracle Systems
  - Provisioning Pack for Non-Oracle Systems
- Management Plug-ins
  - System Monitoring Plug-in for Hosts
  - System Monitoring Plug-in for Non-Oracle Databases
  - System Monitoring Plug-in for Non-Oracle Middleware
  - System Monitoring Plug-in for Network Devices
  - System Monitoring Plug-in for Storage
- Management Connectors

Detailed information on these products can be located at http://www.oracle.com/enterprise_manager

from the end-users' perspective using service tests or synthetic transactions, model relationships between services and underlying IT components, diagnose root cause of service failure, and report on achieved service levels.

The System Monitoring Plug-in for IBM WebSphere MQ enables IT organizations running applications on top of Oracle and IBM to derive greater value from Grid Control's Service Level Management features in a number of ways:

- **Enhanced Service Modeling**: map relationships between services and queue manager instances.
- **Complete Service Topology:** include IBM WebSphere MQ as part of the topology view of a service.
- **Comprehensive Root Cause Analysis**: identify or exclude IBM WebSphere MQ as the root cause of service failure.

## Oracle Grid Control Delivers Unparalleled Monitoring of the Oracle Grid Environment

Oracle Grid Control is simply the most complete and robust solution for managing Oracle environments, providing the richest and most comprehensive monitoring and management for the Oracle components – from Oracle Database instances to Oracle Real Application Clusters to Oracle Application Server Farms and Clusters. In addition, to support the wide variety of applications built on Oracle, Grid Control continues to expand its monitoring scope by offering management plug-ins for non-Oracle components, such as third-party databases, third-party middleware, storage, and network devices – thus providing Oracle customers a single integrated monitoring solution for any application built on Oracle.





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