# SYSTEM MONITORING PLUG-IN FOR MICROSOFT SQL SERVER

ORACLE ENTERPRISE MANAGER 11g

SYSTEM MONITORING PLUG-IN FOR MICROSOFT SQL SERVER DELIVERS:

- Out-of-box availability and performance monitoring
- Detailed configuration information collection and analysis
- Out-of-box reports for easier problem diagnosis, trend analysis and capacity planning.
- Advanced monitoring and event management features:
  - Blackouts
  - Corrective Actions
  - Notifications
  - Monitoring Templates
  - Dashboards
- Prepackaged jobs to Start/Stop/Pause/Resume SQL Server instances from Enterprise Manager

BENEFITS:

- Comprehensive, top-down visibility into your Microsoft and Oracle infrastructure
- Correlate availability and performance problems across heterogeneous IT components
- Enhance service modeling and perform comprehensive root cause analysis

Increase operational efficiencies

*The Enterprise Manager System Monitoring Plug-in for Microsoft SQL Server delivers comprehensive availability, performance and configuration information for Microsoft SQL Server. By combining Microsoft SQL Server 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 Microsoft SQL Server and Oracle technologies. Administrators running packaged and custom applications on top of Oracle systems and Microsoft SQL Server 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. Database administrators managing Oracle Databases and Microsoft SQL Server can perform proactive monitoring and detailed configuration analysis for Microsoft SQL Server, while consolidating all of the management information about their database environment in the Grid Control Console.*

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

The System Monitoring Plug-in for Microsoft SQL Server 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. Almost two hundred metrics are monitored that provide non-stop monitoring of SQL Server Status, Memory / Cache / CPU Statistics, Locks and Processes, Alert Log and Events, Database Backups and Jobs, Space Usage, Users and Roles.

In addition to real-time monitoring of performance metrics for Microsoft SQL Server, Grid Control also stores the monitoring information in the management repository, thereby enabling administrators to analyze performance through various historical views (these include Real Time Refresh/Last 24 Hours/ Last 7 Days/ Last 31 Days/etc) 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 Microsoft SQL Server includes eleven out-of-box reports, summarizing key information about SQL Server availability, performance, resource consumption and configuration.

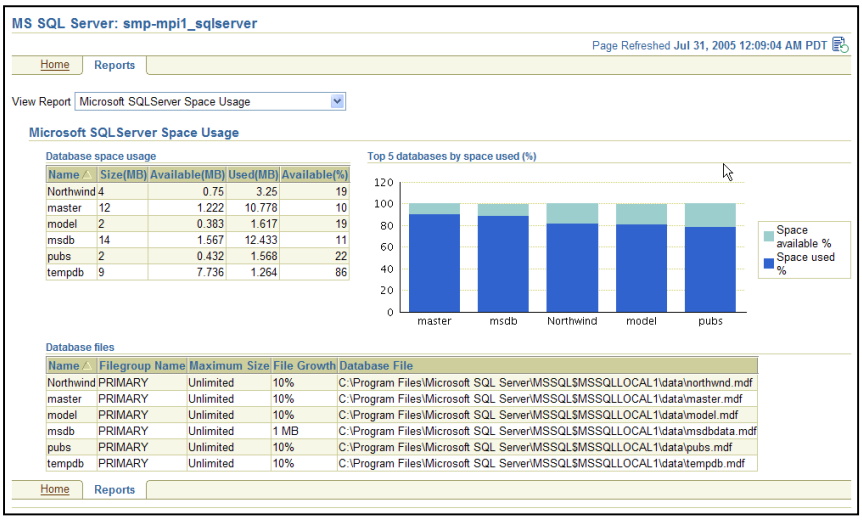


**Figure 1. Microsoft SQL Space Usage report**

These reports are easily accessible from the SQL Server 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.

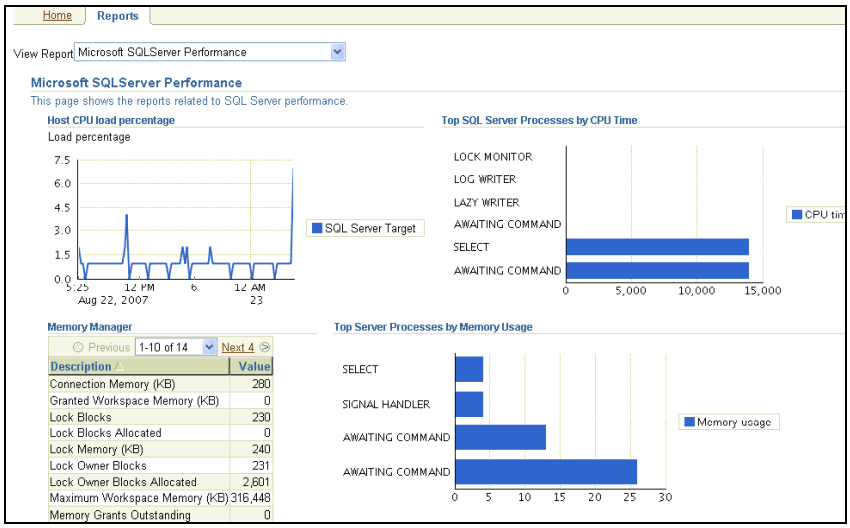


**Figure 2. Microsoft SQL Performance report.**

## Apply Grid Control's Powerful Monitoring and Event Management Features to Microsoft SQL Server

The System Monitoring Plug-in for Microsoft SQL Server leverages Grid Control's powerful monitoring and event management features, 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 SQL Server backup or hardware upgrade.
- **Monitoring Templates**: simplify the task of standardizing monitoring settings across the entire Microsoft SQL Server 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 SQL Server instances.

- **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 SQL Server 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.
- **Administration**: automate & schedule administrative tasks such as starting/stopping/pausing and resuming of SQL Server instances by taking advantage of pre-packaged Enterprise Manager jobs.

## Lower Costs through Knowledge: Know What You Have and What Changed

Tracking configurations is one of the most time-consuming and difficult tasks administrators face on a daily basis. Being able to quickly view a detailed configuration snapshot, analyze historical changes and enforce standardization between systems is key to diagnostics, auditing, compliance, and making solid business decisions.

System Monitoring Plug-in for Microsoft SQL Server simplifies these tasks by automatically collecting detailed configuration information about Microsoft SQL Server, including: operating system details, clustering information, database and registry settings. This information is collected daily and stored in the management repository. In addition, Grid Control automatically tracks all changes to the Microsoft SQL Server configuration, helping administrators answer key questions about what changed, who is responsible for the change, and when the change was made. System Monitoring Plug-in for Microsoft SQL Server also enables enterprise-wide configuration comparisons of SQL Server instances, allowing administrators to quickly and easily pinpoint potential differences. This helps to keep systems synchronized and to reduce "configuration drift". In addition, it simplifies investigations into why systems that are presumed to be identical, are behaving differently.

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

The System Monitoring Plug-in for Microsoft SQL Server provides administrators managing Oracle systems and Microsoft SQL Server 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.

## SYSTEM MONITORING PLUG-IN FOR MICROSOFT SQL SERVER

Related Products:

- 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.

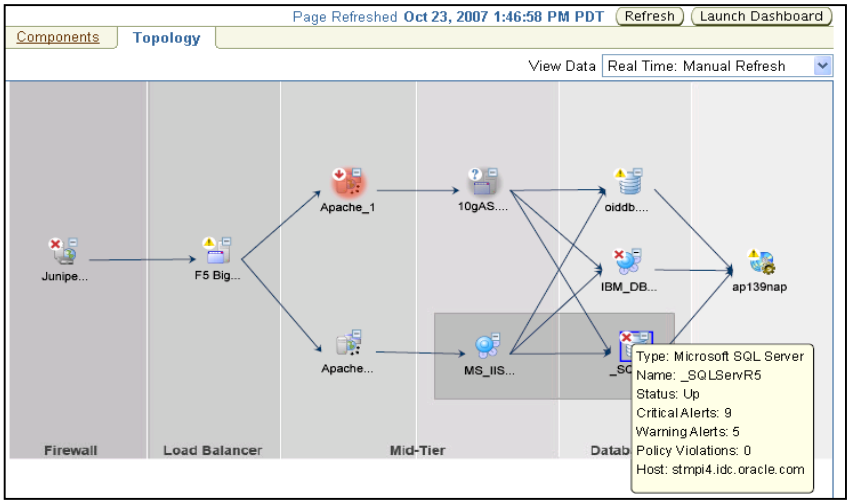


**Figure 3. Top down visibility into heterogeneous infrastructure**

In addition, the System Monitoring Plug-in for Microsoft SQL Server complements Grid Control's existing plug-in support for Windows systems (requires licensing of System Monitoring Plug-in for Hosts), providing administrators with more depth and greater ability to view Microsoft SQL Server operations directly in the context of operating system activity.

## Learn More

For more information about this and other Oracle Management Connectors, visit http://www.oracle.com/technology/products/oem/extensions/index.html

*To learn more about Oracle Enterprise Manager 11g, visit www.oracle.com/enterprise_manager*