ORACLE DATA SHEET

SYSTEM MONITORING PLUG-IN FOR IBM DB2 DATABASE

ORACLE ENTERPRISE MANAGER 12c

KEY FEATURES

- Out-of-the-box availability and performance monitoring
- Detailed configuration information collection and analysis
- Out-of-the-box reports for easier problem diagnosis, trend analysis and capacity planning.
- Advanced monitoring and event management features:
  - Blackouts
  - Corrective Actions
  - Notifications
  - Metric Extensions
  - Monitoring Templates
  - Dashboards
- Top resource monitoring and analytics with problem resolution for troublesome database sessions

Oracle Enterprise Manager is Oracle's integrated enterprise IT management product line, providing the industry's first complete cloud lifecycle management solution. Oracle Enterprise Manager's Business-Driven IT Management capabilities allow you to quickly set up, manage and support enterprise clouds and traditional Oracle IT environments from applications to disk. Enterprise Manager allows customers to achieve best service levels for traditional and cloud applications through management from a business perspective including for Oracle Fusion Applications, provide maximum return on IT management investment through the best solutions for intelligent management of the Oracle stack and engineered systems and gain unmatched customer support experience through real-time integration of Oracle's knowledgebase with each customer environment.

The Oracle Enterprise Manager System Monitoring Plug-in for IBM DB2 Database delivers comprehensive availability, performance and configuration information for IBM DB2 Universal Database. By combining IBM DB2 monitoring with the richest and most comprehensive management of Oracle systems, Oracle Enterprise Manager significantly reduces the cost and complexity of managing IT environments that have a mix of IBM DB2 and Oracle technologies. Administrators running packaged and custom applications on top of Oracle systems and IBM DB2 can now centralize all of the monitoring information in the Oracle Enterprise Manager Cloud Control, model and view the complete topology of their applications, and perform comprehensive root cause analysis. Database administrators managing Oracle Databases and IBM DB2 can perform proactive monitoring and detailed configuration analysis for IBM DB2, while consolidating all of the management information about their database environment in the Oracle Enterprise Manager Console.

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

The System Monitoring Plug-in for IBM DB2 Database 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

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instant value, while giving them the flexibility to fine-tune thresholds according to their specific operational requirements. Out of the over three hundred ninety metrics collected, some of the key performance indicators monitored include: DB2 Status, Memory / Cache / CPU Statistics, Locks and Processes, Database Backups, Storage (Tablespaces, Data Files, Logs), Agents, Connections, SQL Statements.

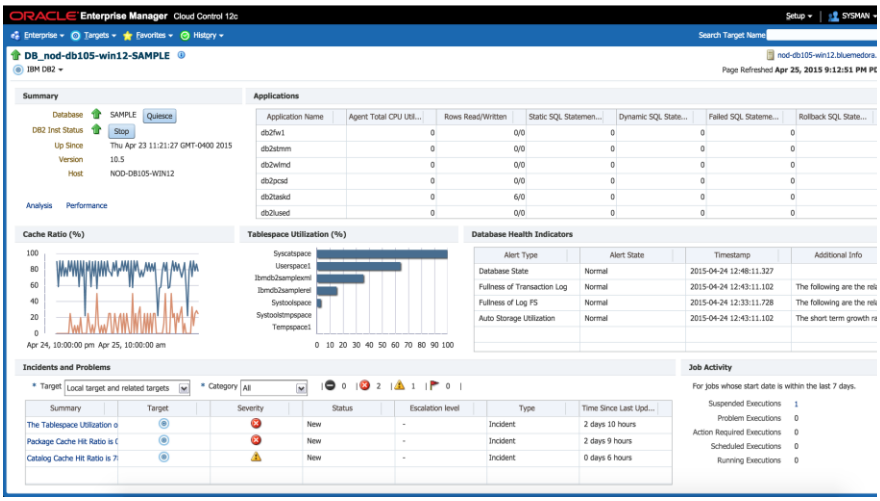

Figure 1. IBM DB2 Target – Home Page

In addition to real-time monitoring of performance metrics for IBM DB2, Oracle Enterprise Manager 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.

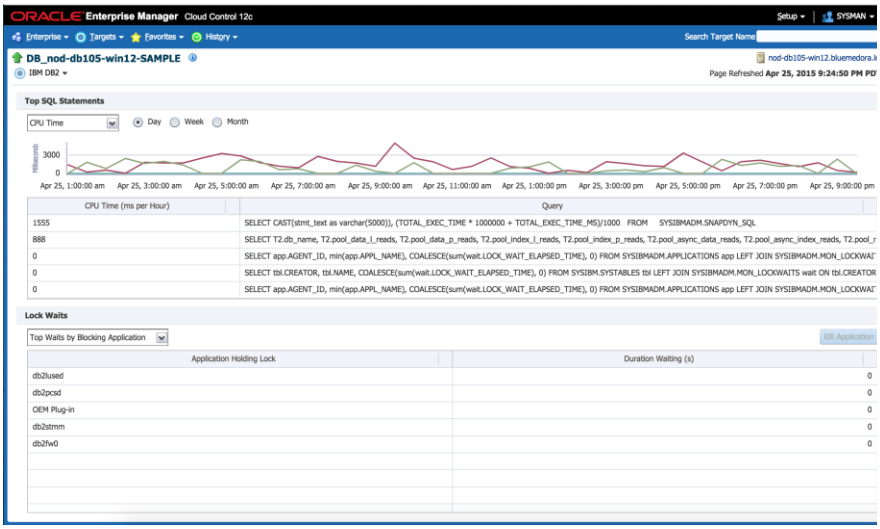

Figure 2. IBM DB2 Target – Analysis Page

A new feature to the Plug-in for IBM DB2 is the Performance page. Use the performance page to efficiently view history and trends of key performance metrics such as Cache and Connection, Storage and IO, and SQL Execution. This page makes excellent use of Oracle Enterprise Manager's graph and charting tools to give insight into these KPI trends.

KEY BENEFITS

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

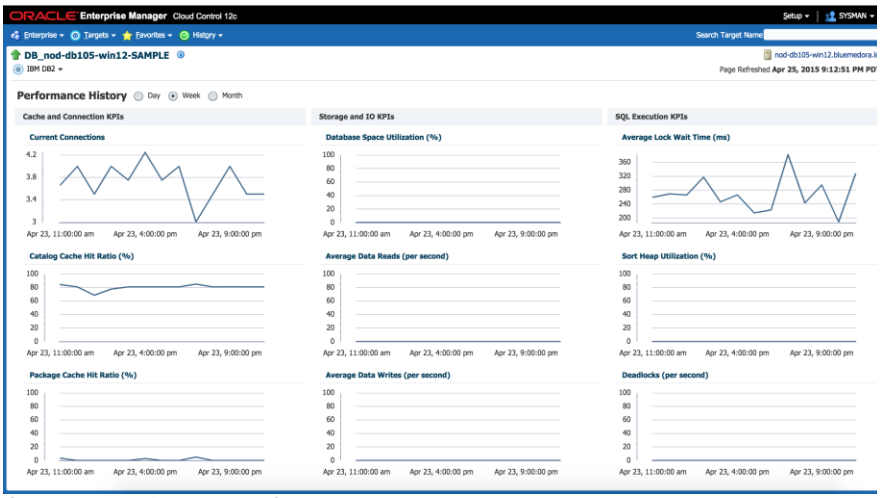

Figure 3. IBM DB2 Target – Performance Page

RELATED PRODUCTS

Management Plug-ins

- System Monitoring Plug-in for Non-Oracle Databases
- System Monitoring Plug-in for Non-Oracle Middleware
- Configuration Management Pack for Applications

Management Connectors

Detailed information on these products is at http://www.oracle.com/enterprise-manager.

To further aid administrators with critical tasks such as problem diagnosis, trend analysis and capacity planning, the System Monitoring Plug-in for IBM DB2 Database includes nineteen out-of-box reports, summarizing key information about IBM DB2 availability, performance, resource consumption and configuration. These reports are easily accessible from the IBM DB2 Home page in the Oracle Enterprise Manager Console and from the Business Intelligence Publisher (Enterprise Manager's powerful reporting framework), enabling administrators to schedule, share, and customize reports to fit their operations needs.

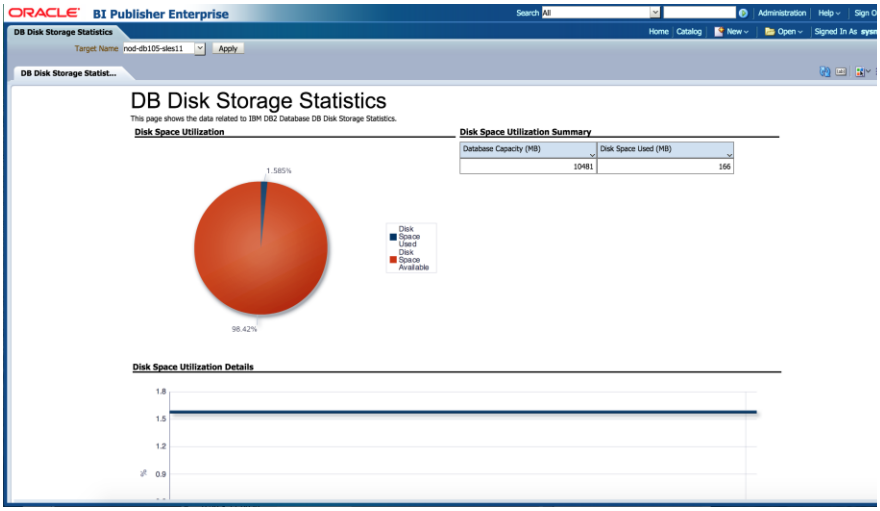

Figure 4. IBM DB2 Database Disk Storage Statistics

Apply Oracle Enterprise Manager's Powerful Monitoring and Event Management Features to IBM DB2

The System Monitoring Plug-in for IBM DB2 Database leverages Oracle Enterprise Manager's powerful monitoring and event management features for IBM DB2 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 IBM DB2 backup or hardware

upgrade.

- **Monitoring Templates**: simplify the task of standardizing monitoring settings across the entire IBM DB2 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 IBM DB2 instances.
- **Metric Extensions**: allow administrators to collect and monitor parameters specific to their applications.
- **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.
- **Incident 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 IBM DB2 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.

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 IBM DB2 Database simplifies these tasks by automatically collecting detailed configuration information about IBM DB2, including: instance configuration, registry settings, partitions, DB Manager configuration and more. This information is collected daily and stored in the Oracle management repository.

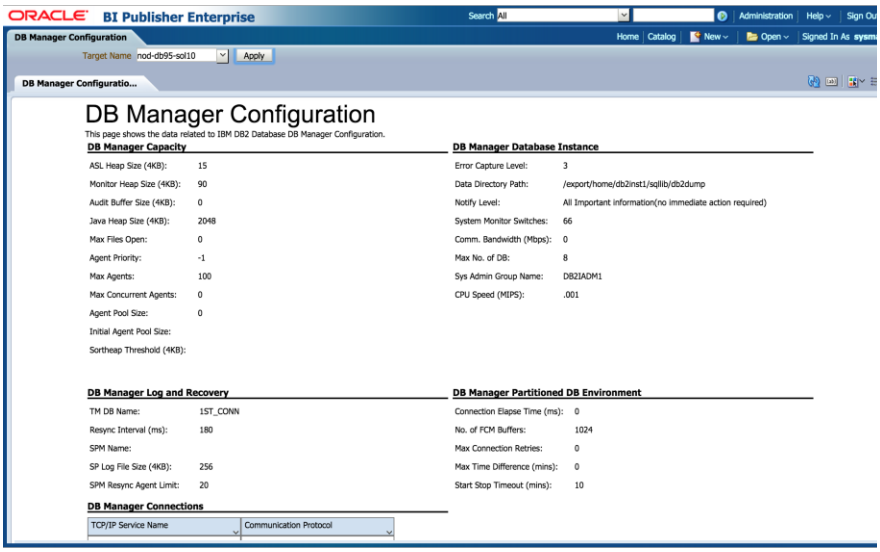

Figure 5. IBM DB2 Database Manager Configuration Report.

In addition, Oracle Enterprise Manager automatically tracks all changes to the IBM DB2

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 IBM DB2 Database also enables enterprise-wide configuration comparisons of IBM DB2 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 IBM DB2 Database provides administrators managing Oracle systems and IBM DB2 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 DB2 Database complements Oracle Enterprise Manager's existing support for Windows, Unix and Linux systems, providing administrators with more depth and greater ability to view IBM DB2 operations directly in the context of operating system activity.

Learn More

For more information about this and Heterogeneous Management, visit http://www.oracle.com/technetwork/oem/extensions

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For more information about the System Monitoring Plug-in for Non-Oracle Database, visit oracle.com or call +1.800.ORACLE1 to speak to an Oracle representative.

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