Business Intelligence Management Pack

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Oracle Enterprise Manager is Oracle's integrated enterprise IT management product line, and provides 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.

FEATURES

- Guided and automated discovery of components

- Performance monitoring of key performance indicators

- Detect configuration changes in real time and track and compare historical changes

- Model Oracle BI services and define service levels based on business requirements

- Monitor and configure thresholds on log files across components

- Exalytics management of physical and virtual deployments

- Exalytics hardware and software dashboards

Complete Management Solution

A key requirement for managing Oracle BI EE and Oracle BI Applications is the ability to manage the entire application stack, which includes BI-specific components such as Oracle BI Server, Oracle BI Presentation Server, Oracle BI Scheduler, Oracle BI Cluster Controller, Oracle BI DAC Server, Essbase Server, as well as infrastructure components such as databases and operating systems. All these components must work optimally together in order to deliver the required availability and performance targets, whether they run on commodity hardware, or as part of an engineered system. The Oracle BI EE Management Pack leverages Oracle Enterprise Manager's broad set of capabilities in configuration management, application performance management, and service level management to provide a centralized systems management solution for Oracle BI EE and Oracle BI Applications. With support for Oracle BI EE 11g and Essbase and new features like a software dashboard, routing topology and vCPU reporting, the Oracle BI EE Management pack is also the best solution for managing your Oracle Exalytics engineered system. Through the service level management (SLM) capabilities of the pack, you can define the availability and performance requirements of your end-to-end Oracle BI environment, and then monitor your application environment according to these requirements. This approach helps you focus your resources on issues that are truly important – those that actually impact your business.

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Configuration & Compliance

With the Business Intelligence Management Pack, you can perform key configuration management tasks like keeping track of configuration changes, taking snapshots to store configurations, and comparing component configurations. To ensure that the configurations of all critical Oracle BI components in your production environment are consistent with your staging or test environments, you can use Configuration Snapshots to save working configurations into the Management Repository or into an external XML file. The snapshots can then be compared with the active configuration in the test or staging environments, or against any historical snapshot. Configuration Comparison helps you ensure the consistency of configurations in your application environment – thus reducing "configuration drift." Configuration comparisons also simplify investigations into why components that are presumed to be identical are behaving differently. To diagnose performance problems that may be related to system configuration changes, you can use Business Intelligence Management Pack's Configuration History tool to keep track of all configuration changes to locate the root cause of performance problems. Furthermore, you can query against Oracle Enterprise Manager's Management Repository to find out whether any Oracle BI component parameter has changed.

Performance Monitoring

With the Business Intelligence Management Pack, you can proactively monitor your Oracle BI environment from both systems & end-user perspectives. A wide range of out-of-box performance metrics are collected for monitored Oracle BI targets allowing you to set up alerts based on warning and critical thresholds, view current and historical performance information using graphs and reports, and diagnose performance problems by identifying bottlenecks in any of the monitored Oracle BI targets.

You can also monitor your Oracle BI environment from an end-user perspective using synthetic service tests and out-of-box dashboard usage reports. Service tests can be recorded to simulate key end user activities such as logging in and navigating through critical pages of Oracle BI Dashboards. The tests are run via beacons from locations within your network to actively measure the performance and availability of your Oracle BI application. Because these tests are played back automatically via beacons and do not rely on actual end users being present, they can be used for accurate performance trending analysis and for proactive monitoring.

In addition to synthetic service tests, you can view detailed key query statistics about dashboard usage through Dashboard Reports. Dashboard Reports enable you to maximize the value of your application by delivering insight into end user experiences in two key areas, failed reports and resource consumption by top consuming reports and their end users. The provided key statistics on Oracle BI report execution enables you to see the origin of disproportionate resource consumption. In addition to usage trending, these reports can help you diagnose performance problems by showing you a complete listing of failed dashboards along with the error code/message and SQL statements associated with the failed queries and a breakdown of dashboard response time based

on database time, compile time and overall time for end-user queries.

Service Level Management

A common dilemma in organizations is balancing business needs with IT spending. IT management constantly needs to satisfy business owners while keeping a lid on spending and increasing IT efficiency. Key questions that need to be answered include:

- What are the IT dependencies of a business process? How can we determine if business problems are caused by IT issues?

- When changes are made to the application environment, what is the potential impact on the business?

- How do we prioritize IT activities according to business needs?

- What is the impact of IT on business?

Some key performance indicators (KPI) needed to answer these questions may be traditional system-based indicators while others may need to be derived from the business applications. Business Intelligence Management Pack's service level management capabilities help you define service level objectives (SLO) based on business requirements, model the end-to-end service down to the system components it depends on, monitor performance against these goals, and report on service level agreement (SLA) compliance to key stakeholders.

The new customizable BI instance homepage provides a performance summary overview with graphs and charts for the BI components and aggregated key performance metrics offer deeper insight to the overall performance of the instance. Potential historical configuration changes and incidents for the instance are available as aggregates and starting points for drill-downs into configuration and incident change history. A tree navigation pane allows for easy access to the related Oracle WebLogic domain as well as to the individual Oracle BI EE targets.

Exalytics Management

The BI Management Pack includes several Exalytics specific features to help you manage the software and hardware of your Exalytics Engineered System in one place. The customizable software and hardware dashboards are designed to give you a quick overview of the health and performance of the components in your system. Individual component regions in the software dashboard provide information like component status, incidents and key performance indicators. On the hardware dashboard, regions provide information on hardware utilization, Infiniband throughput and hardware incidents.

The Exalytics topology viewer offers a graphical representation of the routing relationships between targets and components and gives an instant overview of the status. It provides navigation with zooming and panning around the system and request flows can easily be followed within, or out of, the Exalytics system. Search functionality and filter options are available to highlight components in the view or narrow it down to components of a specific type, or in a certain condition.

vCPU licensing reporting is available for virtualized system and enables tracking of the

RELATED PRODUCTS

The following Oracle Enterprise Manager products can be used with the Oracle Business Intelligence Enterprise Edition management pack to provide management coverage for your middleware environment and support for each phase of the application lifecycle:

- Oracle Real User Experience Insight

- WebLogic Server Management Pack Enterprise Edition

- SOA Management Pack Enterprise Edition

- Management Pack Plus for Identity Management

- Management Pack for Oracle Coherence

- Management Pack for Oracle GoldenGate

- Cloud Management Pack for Oracle Fusion Middleware

number of virtual CPUs used for installed components. The reports can be viewed for different time periods and can also show details, aggregations or trends. This will allow for keeping track of used licenses across the virtual guests on the Exalytics system and help with planning.

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