Enterprise Manager for Oracle® Tuxedo

Overview

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Enterprise Manager for Oracle Tuxedo Overview, 12*c* Release 1 (12.1.1.1)

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Enterprise Manager for Oracle Tuxedo Overview

The following sections provide an overview to the Enterprise Manager for Oracle Tuxedo product:

- Understanding Enterprise Manager for Oracle Tuxedo
- Enterprise Manager for Oracle Tuxedo Features
- Monitoring Architecture
- See Also

Understanding Enterprise Manager for Oracle Tuxedo

Enterprise Manager for Oracle Tuxedo extends Oracle Enterprise Manager Cloud Control to add support for monitoring and managing Oracle Tuxedo instances. The complexity of Oracle Tuxedo and the applications running on top of it makes performance measurement extremely complex. By deploying the Enterprise Manager for Oracle Tuxedo within the Cloud Control environment, it becomes easier.

Enterprise Manager for Oracle Tuxedo provides comprehensive monitoring and reporting for Oracle Tuxedo system and applications. It enables collection of various applications performance metrics, including transactions, services, system servers, and so on.

The Enterprise Manager for Oracle Tuxedo provides a Web-based graphical user interface integrating into the Oracle Enterprise Manager Cloud Control console for central management. It allows you to view real time as well as historic performance metrics collected from middleware targets. This enables you to monitor the availability and performance of Oracle Tuxedo system

both in real time and from a historical perspective for trend analysis and diagnosing availability and performance problems.

Enterprise Manager for Oracle Tuxedo Features

The following is a list of Enterprise Manager for Oracle Tuxedo features:

- Same console for management and monitoring
- Easy Tuxedo target discovery and automatic update
- Monitor health of multiple domains from same console
- Oracle Tuxedo admin console functionality integration to Oracle Enterprise Manager console
- Centralized application management, including pre-defined provision and deployment procedures
- Dynamic resource broker for rule based scale up and scale out of applications
- Integration with OEM SLA and reporting framework
- Support for monitoring Oracle Tuxedo as a JMX compatible target
- Load balancing algorithm based on real time usage information of target nodes
- Ability to monitor and manage all components of Oracle Tuxedo family, including new add-on product introduced in this release
- Support for Oracle Tuxedo system and user event monitoring

Monitoring Architecture

Figure 1 shows the complete monitoring architecture of Oracle Enterprise Manager Cloud Control when deploying with Enterprise Manager for Oracle Tuxedo.

Figure 1 Monitoring Architecture When Deploying Enterprise Manager for Oracle Tuxedo

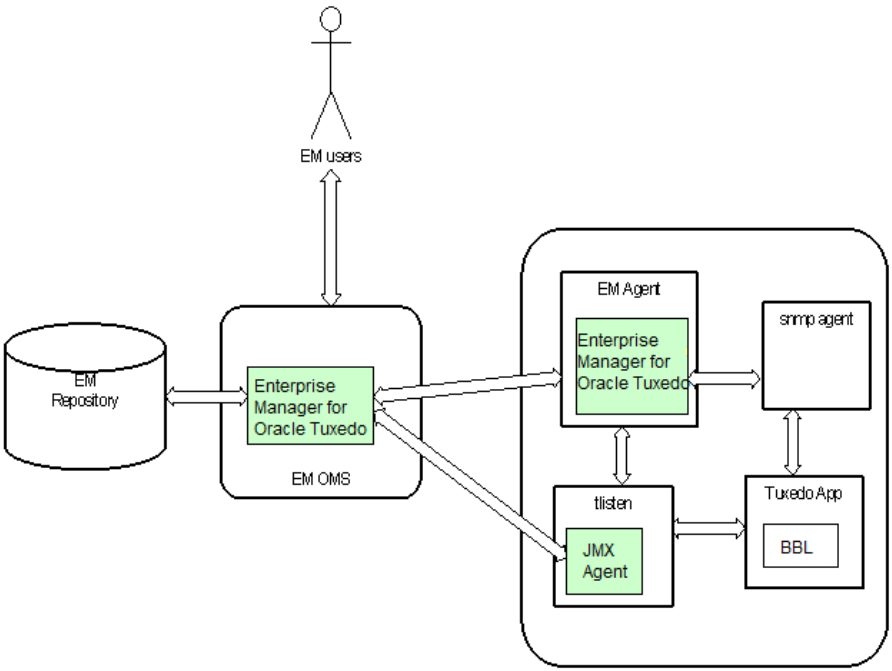

Figure 1 contains the following main components:

- Enterprise Manager for Oracle Tuxedos on both Enterprise Manager server and agent side.
- An enhanced Tuxedo process `tlisten`, which works as a proxy and agent between Tuxedo and Enterprise Manager agent, wherein a JMX agent is embedded and every target instance inside the associated Tuxedo domain corresponds to an MBean instance in the JMX domain. JMX agent receives metrics and job requests from Enterprise Manager agent and forwards them to the corresponding Tuxedo target instances.
- BBL, which ensures that the MBean instances embedded in the connected tlisten in JMX agent is consistent with the Tuxedo domain it is running on.
- `tux_snmpd`, which should be started for Oracle Tuxedo Event collection and Oracle ART Batch System Server. The Enterprise Manager for Oracle Tuxedo on Enterprise Manager agent receives the event trap from `tux_snmpd` after the receive port is configured.

See Also

- Initial Installation and Deployment
- Administrating Enterprise Manager for Oracle Tuxedo
- Using Enterprise Manager for Oracle Tuxedo
- Reference