

Oracle® Tuxedo System and Applications Monitor Plus

Release Notes



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Oracle Tuxedo System and Applications Monitor Plus Release Notes, Release 22c

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Contents

1	About Oracle Tuxedo System and Applications Monitor Plus
2	What's New and Improved in Oracle TSAM Plus 22c
3	Installing Oracle TSAM Plus 22c
4	Deploying Oracle TSAM Plus 22c
5	Interoperability
6	Version Supported by Enterprise Manager for Oracle Tuxedo
7	Known Issues
	Index

1

About Oracle Tuxedo System and Applications Monitor Plus

Oracle Tuxedo System and Applications Monitor Plus (TSAM Plus) 22c provides comprehensive monitoring and reporting for the Oracle Tuxedo system and applications. It includes three components:

- Oracle TSAM Plus Agent
- Oracle TSAM Plus Manager
- Enterprise Manager for Oracle Tuxedo

Oracle TSAM Plus 22c Agent is bundled in Oracle Tuxedo 22c installation.

Oracle TSAM Plus 22c Agent Rolling Patch(RP) is included in the Oracle Tuxedo 22c Rolling Patch, and is installed automatically with it.

In this release, Enterprise Manager for Oracle Tuxedo is not included in Oracle TSAM Plus Manager 22c GA installer. You can get Enterprise Manager for Oracle Tuxedo 13.4.1.0.0 from:

- Oracle TSAM Plus Manager 12.2.2 patch 33061411 Tuxedo 13.4.1.0.0 Plug-in for EM 13.4,
or
- Refer to Oracle Tuxedo System and Applications Monitor Plus Enterprise Manager for Oracle Tuxedo Deployment Guide.

2

What's New and Improved in Oracle TSAM Plus 22c

Here's an overview of the new features and enhancements that were recently added to TSAM Plus 22c.

AI-based Operations Assistant

The AI-based Operations Assistant responds to natural-language questions about how to use TSAM Plus, as well as questions related to the configuration and metrics data for the Tuxedo domains that TSAM Plus is monitoring. You can launch the Operations Assistant from the TSAM Plus Console main page by clicking the "Show Operations Assistant" button at the top right corner.

Enhanced Deployment Tools

This Oracle TSAM Plus release enhances deployment tools to provide more transparent and flexible deployment on Oracle Database and WebLogic Server.

Support OpenID Connect (OIDC) Authentication

Oracle TSAM Plus Manager 22c Support OpenID Connect(OIDC) authentication and role-based authorization. Customer can map a TSAM Plus user to a role in the Identity Provider(IdP), and the roles are mapped to the user group in TSAM Plus.

For more information about Configuring OIDC for Oracle TSAM Plus Manager with Keycloak and WebLogic, refer to Oracle® Tuxedo System and Applications Monitor Plus Configuration Guide.

The LDAP based authentication is not supported any more in this release.

Dedicated Listening Port for Data Server

In this release, TSAM Plus Manager uses a dedicated listening port for the Data Server. Previously, TSAM Plus Console and Data Server traffic used the same listening port; now their endpoint ports must be configured separately.

By default, the TSAM Plus Console endpoint uses one-way TLS, and the Data Server endpoint uses two-way TLS.

LMS must specify the Data Server port in its -l command-line option.

LMS now supports TLS

The Local Monitor Server (LMS) is an Oracle Tuxedo system server that connects to the Oracle TSAM Plus Manager to report configuration and monitoring metrics. Starting with Oracle Tuxedo 22c RP013, LMS supports TLS/HTTPS when connecting to Oracle TSAM Plus Manager. Refer to the Oracle TSAM Plus Deployment Guide for instructions on configuring LMS and the WebLogic Server domain to enable the TLS connection.

LMS now supports HTTP/HTTPS Proxy

Starting with Oracle Tuxedo 22c RP023, LMS honors the environment variables http_proxy, https_proxy, and no_proxy as the HTTP/HTTPS proxy configuration when connecting to the Oracle TSAM Plus Manager.

JMX Agent Security Enhancements

Oracle Tuxedo 22c RP050 includes the following enhancements:

- JMX Agent enforces TLS by default. To disable TLS explicitly, set the environment variable *TMJMX_ALLOW_NOTLS* to "Y" before starting *tlisten*.
- Enhance utility *jmxaaacfg* command-line options to allow users to enter password interactively.
jmxaaacfg [-a add|modify|delete] [-u username] [-p password] [-f path/filename]
 - add : *jmxaaacfg* -a add -u username -p password -f path/filename
 - modify : *jmxaaacfg* -a modify -u username -p password -f path/filename
 - delete : *jmxaaacfg* -a delete -u username -f path/filename

If no password is provided for the **add** or **modify** actions, the utility prompts you to enter one interactively.

3

Installing Oracle TSAM Plus 22c

Oracle TSAM Plus 22c supports Oracle Tuxedo 22c. Oracle Tuxedo 22c RP013 or above is required, latest RP is always recommended. Refer to the *Oracle® Tuxedo System and Applications Monitor Plus Installation Guide* for instructions on how to install the Oracle TSAM Plus 22c Manager.

4

Deploying Oracle TSAM Plus 22c

This section provides an overview of Oracle TSAM Plus deployment.

Deploying Oracle TSAM Plus Manager

Oracle TSAM Plus Manager is a web application running within a WebLogic Server domain. Refer to *TSAM Plus Deployment Guide* for how to deploy the Oracle TSAM Plus Manager application.

Deploying Enterprise Manager for Oracle Tuxedo

Enterprise Manager for Oracle Tuxedo is an Oracle Enterprise Manager plug-in. You need to deploy it to Oracle Enterprise Manager. Enterprise Manager for Oracle Tuxedo 13.4.1.0.0 supports the following Oracle Enterprise Manager Cloud Control Versions:

- 13.4.0.0
- 13.5.0.0
- 24.1.0.0

For detailed deployment steps, refer to *Oracle Tuxedo System and Applications Monitor Plus Enterprise Manager Deployment Guide*.

5

Interoperability

Oracle TSAM Plus 22c Manager can monitor Oracle Tuxedo 22c and Oracle Tuxedo 12.2.2.

 Note

To monitor Oracle Tuxedo 12.2.2, TLS must be disabled in Oracle TSAM Plus 22c Manager.

6

Version Supported by Enterprise Manager for Oracle Tuxedo

Enterprise Manager for Oracle Tuxedo 13.4.1.0.0 supports monitoring the following product versions:

- Oracle Tuxedo 22c and 12.2.2
- Oracle SALT 22c and 12.2.2
- Oracle Tuxedo Application Runtimes 22c and 12.2.2

7

Known Issues

The following section describes known problems in Oracle TSAM Plus 22c Release 1 (22.1.0). Entries include a description of the problem, and a workaround or solution where appropriate.

Each problem is listed by the Bug ID number. The Bug ID number is provided to facilitate the tracking of these problems.

Table 7-1 Known Issues

BugID	Description and Workaround or Solution
38900561	Problem: Customized groups are not supported when OIDC-based authentication is configured.
	Workaround: Use database-based authentication if customized groups are required
39475097	Problem: WebLogic Server rconsole is not accessible when OIDC-based authentication is configured.
	Workaround: Manually add the WebLogic rconsole URL to the valid redirect URIs in the external Identity Provider.

Glossary

Index