Oracle® Tuxedo System and Applications Monitor Plus

Installation Guide

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ORACLE

Oracle Tuxedo System and Applications Monitor Plus Installation Guide, Release 22c

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Primary Authors: Preeti Gandhe, Priya Pathak

Contributing Authors: Tulika Das

Contributors: Maggie Li

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Preparing to Install the Oracle TSAM Plus Manager

The following sections provide information that you need to know before installing the Oracle TSAM Plus Manager 22*c* Release 1 (22.1.0.0.0) product software.

For information about Installing the Oracle TSAM Plus Agent, see Installing Oracle Tuxedo Using GUI-Mode Installation..

- Oracle Universal Installer (OUI)
- Temporary Directory
- Oracle Installation Program
- Installation Road Map

1.1 Oracle Universal Installer (OUI)

The Oracle TSAM Plus Manager 22*c* Release 1 (22.1.0.0.0) product software installer is based on the Oracle Universal Installer (OUI). To install the Oracle TSAM Plus Manager 22*c* Release 1 (22.1.0.0.0) product software on your host, you must know how to use OUI to install Oracle products. For more information, see Introduction to Oracle Universal Installer.

- Modes of Installation
- Installation Media
- Special Instructions for Linux Users
- About Oracle Universal Installer Log Files
- Oracle Internationalization

1.1.1 Modes of Installation

You can use OUI to install Oracle products in one of the following two modes:

- Interactive:
  Use OUI interactive mode to use the graphical user interface to walk through the installation, providing information in the installation dialogs when prompted. This method is most useful when installing a small number of products in different setups on a small number of hosts.
- Silent:
  Use OUI silent installation mode to bypass the graphical user interface and supply the necessary information in a response file. This method is most useful when installing the same product multiple times on multiple hosts. By using a response file, you can automate the installation of a product for which you know the installation parameters.

1.1.2 Installation Media

Oracle Tuxedo System and Applications Monitor Plus (TSAM Plus) software is available as image-based zip files. You can download TSAM Plus software from the Oracle website or the Oracle Software Delivery Cloud portal.

1.1.3 Special Instructions for Linux Users

The following sections describe special instructions that apply when you are installing certain products on a Linux system.

- Failed to Connect to Server Error
- Providing a Linux Installer Location with Root Privileges
- Providing a Linux Group Name

1.1.3.1 Failed to Connect to Server Error

If you receive an `Xlib` error or a "`Failed to connect to Server`" error when running OUI on Linux, verify that the DISPLAY environment variable is set correctly and that the Linux host can access the X11 display.

1. On the host where you are running OUI, set the DISPLAY environment variable:

   ```
   export DISPLAY=<machine_name>:0.0
   ```

2. Replace `<machine_name>` with the host name or IP address of the computer that will display the OUI window.
3. On the computer that will display OUI, allow X11 connections from the Linux host using your site-approved X11 access method. Avoid unrestricted access such as `xhost +` unless it is explicitly permitted by your security policy.
4. Rerun the installer:

   ```
   sh ./runInstaller.sh
   ```

1.1.3.2 Providing a Linux Installer Location with Root Privileges

You must have root privileges to perform various Linux installation operations. For example, you must have root privileges to be able to create the OUI inventory.

If you are installing OUI for the first time, you are prompted to run a shell script from another terminal window before proceeding with the installation. OUI prompts you to run `orainstRoot.sh` after installation completes only if the script is required to run as root before configuration assistants are run. Otherwise, you are prompted to run `orainstRoot.sh` as root later.

> **Note**
>
> When running OUI in silent mode, if `orainstRoot.sh` is required prior to configuration assistants, OUI skips configuration assistants during the installation.
> You must run `orainstRoot.sh` as root and then run the skipped configuration assistants after the silent installation is complete.

To successfully run the required shell script:

1. Leave the OUI window open and open another terminal window.
2. In the new terminal window, use the substitute user command to log in with root privileges: `su - root`
3. Change directory to the Oracle home into which you are currently installing your Oracle software product.
4. Run the shell script `./orainstRoot.sh`
5. When the script is finished and you are returned to the command prompt, exit from the new terminal window and return to OUI to continue installation.

> **Note**
>
> Do not exit the installation to run the shell script. Exiting the installation removes this script.
>
> You are prompted to run the script only the first time you install.

1.1.3.3 Providing a Linux Group Name

If you are installing a product on a Linux system, the Installer also prompts you to provide the name of the group that owns the base directory.

You must choose a Linux group name that has permissions to update, install, and remove Oracle software. Members of this group must have write permissions for the chosen base directory.

Only users who belong to this group are able to install or remove software on this host.

1.1.4 About Oracle Universal Installer Log Files

When you install or deinstall products using OUI, important information about each installation is saved not only in the inventory, but also in a series of log files, located in the following directory:

`$ORACLE_HOME/cfgtoollogs`

You can use these log files to troubleshoot installation problems. These files are also crucial for removing and configuring the various software components you install. OUI displays the name and location of the current session log file on the Install page. Each installation or configuration utility provides a separate folder containing the logs inside the `$ORACLE_HOME/cfgtoollogs` folder.

> **Note**
>
> The logs used to remove products are different from the `installActions<timestamp>.log` generated during the install process. The `installActions<timestamp>.log` is easier to read and can be used to view the operations performed at installation time.

1.1.5 Oracle Internationalization

This section contains the following topic:

- Installation Dialogs Language

1.1.5.1 Installation Dialogs Language

OUI runs in the operating system language. OUI uses the language that Java detects, the system locale value, and sets that to the default language. OUI dialogs are displayed in this language if available. If specific OUI dialogs are not translated in the language of the operating system, these dialogs are shown in English.

OUI displays the translated GUI only if the variable `NLS_ENABLED` has been set to `TRUE` in the `oraparam.ini` file. If the `NLS_ENABLED` variable is set to `FALSE`, all text is shown in English.

> **Note**
>
> The dialogs displayed for internationalization can only be customized parts; some of them are embedded in OUI.

1.2 Temporary Directory

During Linux installation, temporary copy of Oracle Universal Installer is placed in the directory specified by the TMPDIR, TMP, or TEMP environment variable, under a sub-directory named `/OraInstall<timestamp>`. Oracle Universal Installer checks these environment variables in the following order: TMPDIR, TMP, and then TEMP. If none of these variables is set, Oracle Universal Installer uses `/tmp` as the default temporary directory.

> **Note**
>
> The TMPDIR/TMP/TEMP directory should not be a cluster file system or a shared location.

- Software Requirements

1.2.1 Software Requirements

The Oracle OUI installer uses libnsl, which is no longer included by default in Oracle Linux 8 or later. Therefore, libnsl must be installed before installing Oracle TSAM Plus Manager if it is not already present on the system.

TSAM Plus OUI installer depends on Oracle JRE 17. Therefore, JRE 17 must be installed before installing Oracle TSAM Plus Manager.

1.3 Oracle Installation Program

The Oracle TSAM Plus Manager software is distributed as an installer file, which also contains a copy of the Oracle Installation program. The Oracle Installation program is the Oracle standard tool for installing the Oracle TSAM Plus Manager software on Windows or Linux systems.

1.3.1 Canceling Installation

Clicking the “Cancel” or the “close’ window button in GUI mode causes an incomplete Oracle TSAM Plus Manager 22*c* Release 1 (22.1.0.0.0) installation. You will have to re-install Oracle TSAM Plus Manager 22*c* Release 1 (22.1.0.0.0).

1.4 Installation Road Map

You are now ready to begin your installation. To install Oracle TSAM Plus Manager 22*c* Release 1 (22.1.0.0.0), see one of the following sections:

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Installing Oracle TSAM Plus Manager Using GUI-Mode Installation

The following sections describe how to install Oracle TSAM Plus Manager using graphical user interface (GUI) mode installation:

2.1 What Is GUI-Mode Installation?

The graphical user interface mode installation is the graphics-based method of executing the Oracle Installation program. It can be run on Linux system.

To run GUI-mode installation, the console attached to the machine on which you are installing the software must support a Java-based GUI.

> **Note**
>
> To install Oracle TSAM Plus Manager on a Linux system with a non-graphics console, use silent install mode.

2.2 Starting GUI-Mode Installation on a Linux System

To start the GUI-mode installation process on a Linux system, follow these steps:

1. Select a Linux system that meets the hardware and software requirements
2. Log in to the Linux system as the Oracle TSAM Plus Manager administrator.
3. Ensure that you have enough free space for the Oracle TSAM Plus Manager installation. If you plan to select Bundled WebLogic Server, at least 14 GB of free disk space is required.
4. Install Oracle TSAM Plus Manager by downloading from the Oracle Website:
   a. Go to Oracle Tuxedo Downloads and download the Oracle TSAM Plus Manager 22*c* Release 1 (22.1.0.0.0) installation file specific to your platform.
   b. Go to the directory where you downloaded the installer, unzip the installer file, and then go to the `Disk1/install` directory, run the `sh ./runInstaller.sh` to invoke the installation procedure.

> **Note**
>
> GUI mode is the default for Oracle TSAM Plus Manager 22*c* Release 1 (22.1.0.0.0) installation. If a GUI interface is not available on your Linux platform, you will receive an error message and the installation process is aborted.
> If a GUI interface is not available on your Linux platform, you can use silent mode installation. For more information, see What Is Silent Installation?

5. Proceed to Running GUI-Mode Installation.

2.3 Running GUI-Mode Installation

This section describes how to install Oracle TSAM Plus Manager using GUI mode.

The Oracle TSAM Plus Manager installer program is currently available in English. By checking the value of a certain language-related environment variable on the target platform, the installer program automatically determines the language displayed during the installation and the language-specific message catalog installed during the installation. If the language-related environment variable is not set or is set to a value unknown to the installer program, both the language displayed and the message catalog installed default to English.

The following steps describe the installation procedure in GUI mode. The procedure on Linux platforms are similar.

- Launch the Installer
- Splash Screen
- Welcome Screen
- Specify Inventory Directory
- Specify Home Details
- Import Configuration Files Prompt
- Choose an Application Server Type
- Set TSAM Plus Properties
- TSAM Plus Manager Summary Screen
- Installing TSAM Plus Manager Panel
- Execute Configuration Scripts
- Installation Complete Screen

2.3.1 Launch the Installer

Unzip your installer file, and then go to the `Disk1/install` directory.

- [On Linux] run `sh ./runInstaller.sh`

The Oracle Universal Installer is started.

> **Note**
>
> The dialog panel that appears cannot be customized.

2.3.2 Splash Screen

The OUI splash screen appears briefly before the OUI Welcome screen is displayed. The startup splash screen image, provided by Marketing, is displayed throughout the installation.

2.3.3 Welcome Screen

Click **Next** to proceed with the installation. You may cancel the installation at any time by clicking **Cancel**.

2.3.4 Specify Inventory Directory

This screen appears if this is the first time you are installing any Oracle product on this host. Specify the location where you want to create your central inventory. Ensure that the operating system group name selected on this screen has write permissions to the central inventory location.

2.3.5 Specify Home Details

Oracle Home Name identifies the program group associated with a particular home and the Oracle services installed on this home. The Oracle home name must be between 1 to 127 characters long, and can include only alphanumeric characters and underscores.

Oracle Home Directory is the full path to an Oracle home. You can enter the path directly, or Browse it, or select an Oracle home from the drop-down list of existing Oracle homes. The Oracle home location is the directory where Oracle TSAM Plus Manager 22*c* Release 1 (22.1.0.0.0) product is installed.

It is recommended that you designate an Oracle home location that is an empty or non-existing directory. If you select a directory for the Oracle home location that is not empty or already exists, a warning message displays. In addition, you can specify whether or not to proceed.

2.3.6 Import Configuration Files Prompt

If `art.properties` or `tsam.properties` is under the directory `$ORACLE_HOME/tsam22.1.0.0.0`, a prompt is displayed asking whether to import TSAM Plus Manager configuration files.

If you choose **Yes**, the installation behavior is as follows:

- If `art.properties` exists, it is imported to `tsam_22c.ear`
- If `tsam.properties` exists, the value recorded in tsam.properties is displayed on panel “Set TSAM Plus Properties”. You can modify it and just use it directly.

2.3.7 Choose an Application Server Type

Choose the application server where Oracle TSAM Plus Manager will be deployed.

Follow the options to select the application server:

- **Skip**, I will deploy TSAM Plus to an existing application server after the installation.
  If you select this option, the installer does not install a bundled WebLogic Server. You must deploy TSAM Plus Manager to an existing WebLogic Server after installation.
- **Bundled WebLogic Server** (default)

If you select **Bundled WebLogic Server**, the installer installs WebLogic Server under the TSAM Plus Manager install directory. This option requires at least 14 GB of free disk space.

2.3.8 Set TSAM Plus Properties

Users can either reset property values or use the default values. In addition, if tsam.properties exists under `$ORACLE_HOME/tsam22.1.0.0.0` and you choose to import the TSAM Plus Manager configuration files, the values recorded in tsam.properties will be displayed.

If you enter an invalid value, an error dialog box will appear with a message such as: "You are required to specify a valid 'xxxx'", depending on the related input field.

2.3.9 TSAM Plus Manager Summary Screen

When previous component is detected, the Summary panel is displayed, the top component “TSAM Plus Manager 22.1.0.0.0” can be always reinstalled.

2.3.10 Installing TSAM Plus Manager Panel

At this point, files for that installation type are copied to the target installation directory and the Installing TSAM Plus Manager 22.1.0.0.0 screen is displayed.

> **Note**
>
> This dialog panel cannot be customized.

2.3.11 Execute Configuration Scripts

This screen appears if this is the first time you are installing any Oracle product on this host. Please run the script as root, then click 'OK'.

2.3.12 Installation Complete Screen

A completion message appears stating that the installation is complete and where it was installed. Press **Done** to quit.

2.4 Assigning File Ownership on a Linux System

If you installed the Oracle TSAM Plus Manager on a Linux system, Oracle strongly recommends that you create a separate user account for the Oracle Tuxedo administrator and give ownership of the Oracle TSAM Plus Manager files to that account. To change ownership of the Oracle TSAM Plus Manager on a Linux machine, enter the following command:

```
chown -R adm_account full_path_of_tux_prod_dir
```

```
chgrp -R adm_group full_path_of_tux_prod_dir
```

Replace `adm_account` with the Oracle Tuxedo administrator account, replace *adm_group* with the Oracle Tuxedo administrator group ID, and replace `full_path_of_tux_prod_dir` with the full pathname of the product directory in which you installed the Oracle TSAM Plus Manager.

2.5 Uninstalling Oracle TSAM Plus Manager Using GUI-Mode

The following steps describe the mode process to uninstall TSAM Plus Manager in the GUI mode.

2.5.1 Welcome Panel

Go to `<ORACLE_HOME>/oui/bin`, `sh ./runInstaller.sh` on Linux platform, then the Uninstaller window appears same with installer windows. You can completely remove Oracle TSAM Plus Manager 22*c* Release 1 (22.1.0.0.0) just by clicking **Deinstall Products**.

> **Note**
>
> Initially, you may not see any products in the Inventory panel because the central inventory pointer (`/etc/oraInst.loc`) has not been configured yet. As a result, the installed product list cannot be displayed.
> To populate the list, navigate through the pages where you specify the central inventory location, then return to the first page and select **Installed Products**. At that point, because the central inventory has been configured, OUI retrieves all Oracle homes associated with that inventory, along with their installed components, and displays them for deinstallation.

2.5.2 Deinstall Inventory Panel

Select the product(s) you want to remove from the **Contents** tab of the Inventory panel and click **Remove**. You can also remove Oracle homes in the same manner. After you have removed an Oracle home, you can reuse its name and location to install other products.

Click **Details** to display the attributes and values of the selected component. Click Save As to save the inventory tree of this machine as a specified file. Click Help to get the help information about all buttons. Click the Show empty homes option to view Oracle homes that have been created in the inventory, but are empty. Click **Close** to close the dialog.

2.5.3 Confirmation Panel

To remove the products, click **Yes** in the Confirmation dialog. Click **No** to cancel the removal.

2.5.4 Uninstall Complete Panel

After uninstall finishes, the Deinstall successful message appears.

Check the product list from **Inventory**, the product has been uninstalled successfully.

3

Installing Oracle TSAM Plus Manager Using Silent Installation

The following sections describe how to install Oracle TSAM Plus Manager using silent installation:

3.1 What Is Silent Installation?

Silent installation reads the settings for your configuration from a text file that you create prior to beginning the installation. Manual intervention is not necessary during the installation process. Silent installation works on both Windows and Linux systems.

Silent installation is a way of setting installation configurations only once and then using those configurations to duplicate the installation on many machines.

3.2 Creating a Response File

You can create a new response file, based on the installation options you select, by using the OUI record mode.

When you use record mode, OUI records the installation session to a response file. You specify the name of the response file on the command line. The recorded response file is generated immediately after the Summary page; you do not need to actually install your Oracle product to create the response file. That is, you can start the installation in Record mode and proceed through the installation options until you get to the Summary page. On the Summary Page, click **Exit** to stop the installation from proceeding with the installation. However, all the options you selected are saved in the resulting response file.

You can use the newly created response file to run identical installation sessions on other computers in your organization.

Record mode can be also used during a silent installation. In this case, the variable values specified in the original source response file will be recorded to the new response file.

The following sections describe how to use record mode on Windows and Linux systems.

3.3 Using Record Mode

To record a new response file:

1. At the command prompt, use the `cd` command to change to the directory that contains the OUI executable file (`sh ./runInstaller.sh`) for your installation.
2. Enter the following command:
   - On Linux
     `sh ./runInstaller.sh -record -destinationFile <response_file_name>`

     Replace the `<response_file_name>` with the complete path for the new response file. For example:
   - On Linux
     ```
     sh ./runInstaller.sh -record -destinationFile /private/temp/
     install_tsam.rsp
     ```
3. Use the OUI user interface to select and record your installation options:
   When OUI displays the Summary page, you can either continue with the installation or exit. OUI saves your new response file using the path and file name you specified on the command line.

3.4 Installing with a Response File

When installing in silent mode you must ensure that there is enough disk space and that the login ID has proper permissions to access Oracle inventory directory.

To invoke the silent installation procedure, execute the following steps:

1. Create a file containing the required variables set to valid data.
2. At a command line prompt go to the directory containing the installer executable.
3. Enter the following command:

   ```
   sh ./runInstaller.sh -responseFile <filename> -silent
   <optional_parameters> (on Linux)
   ```

> **Note**
>
> All Silent options are stored in a response file (.rsp). You must specify the complete responseFile path. If you do not, Oracle Universal Installer assumes the location to be relative to the oraparam.ini associated with the launched Oracle Universal Installer.

Optional parameters you can use with the `-responseFile` flag are:

- `-waitforcompletion` — Use the `-waitforcompletion` flag with `-silent` flag to wait for completion instead of spawning the java engine and exiting.

For help on command line usage, enter the following at the command line in the directory where the executable file is stored:

```
sh ./runInstaller.sh -help (on Linux)
```

For example, on a Linux machine, enter:

```
sh ./runInstaller.sh -responseFile /tsam/tsam_linux_silent.rsp -silent
```

If the `ORACLE_HOME` directory is not empty, use the `-force` option only if you intend to overwrite the existing contents. Otherwise, you will receive the following error:

SEVERE:OUI-10029: You have specified a non-empty directory to install this product. It is recommended to specify either an empty or a non-existent directory. You may, however, choose to ignore this message if the directory contains Operating System generated files or sub-directories like lost+found.

3.5 Response File Keywords

This section contains the following topics:

3.5.1 OUI Related Keyword

Table 3-1 Optional Keyword

Keyword Name	Data Type	Description
FROM_LOCATION	String	Complete path to the products.xml
FROM_LOCATION_CD_LABEL	String	This variable should only be used in multi-CD installations. It includes the label of the compact disk where the file "products.xml" exists. The label can be found in the file "disk.label" in the same directory as products.xml.
ORACLE_BASE	String	Complete path of the Oracle Base.
SHOW_WELCOME_PAGE	Boolean	Set to true if the Welcome page in OUI needs to be shown.
SHOW_CUSTOM_TREE_PAGE	Boolean	Set to true if the custom tree page in OUI needs to be shown.
SHOW_COMPONENT_LOCATIONS_PAGE	Boolean	Set to true if the component locations page in OUI needs to be shown.
SHOW_SUMMARY_PAGE	Boolean	Set to true if the summary page in OUI needs to be shown.
SHOW_INSTALL_PROGRESS_PAGE	Boolean	Set to true if the install progress page in OUI needs to be shown.
SHOW_CONFIG_TOOL_PAGE	Boolean	Set to true if the config assistants page in OUI needs to be shown.
SHOW_RELEASE_NOTES	Boolean	Set to true if the release notes of this installation need to be shown at the end of installation.
SHOW_ROOTSH_CONFIRMATION	Boolean	Set to true if the Confirmation dialog asking to run the orainstRoot.sh script in OUI needs to be shown. Valid only for Linux platforms.
SHOW_END_SESSION_PAGE	Boolean	Set to true if the end of session page in OUI needs to be shown.
SHOW_EXIT_CONFIRMATION	Boolean	Set to true if the confirmation when exiting OUI needs to be shown.
NEXT_SESSION	Boolean	Set to true to allow users to go back to the File Locations page for another installation. This flag also needs to be set to true in order to process another response file (see NEXT_SESSION_RESPONSE).

Table 3-1 (Cont.) Optional Keyword

Keyword Name	Data Type	Description
NEXT_SESSION_ON_FAIL	Boolean	Set to true to allow users to invoke another session even if current install session has failed. This flag is only relevant if NEXT_SESSION is set to true.
NEXT_SESSION_RESPONSE	Boolean	Set to true to allow users to go back to the File Locations page for another installation. This flag also needs to be set to true in order to process another response file.
DEINSTALL_LIST	StringList	List of components to be deinstalled during a deinstall session.#Example: DEINSTALL_LIST={"TSAM_Manager","22.1.0.0.0"}
SHOW_DEINSTALL_CONFIRMATION	Boolean	Set to true if deinstall confirmation is needed during a deinstall session.
SHOW_DEINSTALL_PROGRESS	Boolean	Set to true if deinstall progress is needed during a deinstall session.
CLUSTER_NODES	StringList	This variable represents the cluster node names selected by the user for installation.
ACCEPT_LICENSE_AGREEMENT	Boolean	By setting this variable to true, you are accepting the license agreement. This variable is used only for silent installations.
METALINK_LOCATION	String	This variable represents the Oracle metalink location.
METALINK_USERNAME	String	This variable represents the Oracle metalink user name.
METALINK_PASSWORD	String	This variable represents the corresponding Oracle metalink password.
PROXY_HOST	String	The proxy host used to connect to Oracle metalink.
PROXY_PORT	String	The proxy port used to connect to Oracle metalink.
PROXY_REALM	String	The realm for the proxy used to connect to Oracle metalink.
PROXY_USER	String	The username for the proxy used to connect to Oracle metalink.
PROXY_PWD	String	The password for the proxy used to connect to Oracle metalink.
DONT_PROXY_FOR	String	The don't proxy for list.
TOPLEVEL_COMPONENT	StringList	The top level component to be installed in the current session. #Example: TOPLEVEL_COMPONENT={"TSAM_Manager","22.1.0.0.0"}
SHOW_SPLASH_SCREEN	Boolean	Set to true if the initial splash screen in OUI needs to be shown.
SELECTED_LANGUAGES	StringList	Languages in which the components will be installed.
COMPONENT_LANGUAGES	StringList	Languages supported by this component. List of supported languages : {"en","ja"}
LINUX_GROUP_NAME	String	Linux group to be set for the inventory directory. Valid only in Linux platforms.

Table 3-2 Required Parameters

Keyword Name	Data Type	Description
RESPONSEFILE_VERSION	String	The format version number of response file.
ORACLE_HOME	String	Complete path of the Oracle Home.
ORACLE_HOME_NAME	String	Oracle Home name.

3.5.2 TSAM Plus Manager Related Keyword

Table 3-3 TSAM Plus Manager Related Keyword

Keyword Name	Data Type	Description
OVERWRITE	Boolean	Ask customer Whether to overwrite it if there is already installed TSAM manager product on this ORACLE_HOME. The default value is true.
APP_SRV_TYPE	Number	Choose the application server to which oracle TSAM Plus Manager will be deployed. 0 means "Skip, I will deploy TSAM Plus Manager to an existing application server after the installation". 1 means "Bundled WebLogic server". The default value is 1. This option (APP_SRV_TYPE=1) requires at least 14 GB of free disk space.
TSAM_PROPERTY	StringList	The properties of TSAM Plus Manager, { Max persistence threads Data persistence queue size Timeout shutdown (seconds) Call pattern calculation schedule("DAILY",or "HOURLY") Call pattern calculation delay (minutes) Automatic data purge(true or false) Reserve monitoring data for days Data purge starting time(24-hour format) }. For example, TSAM_PROPERTY= {"2","5000","30","DAILY","10","true","30","4"} . It is not required if it import configuration file. $ORACLE_HOME/tsam22.1.0.0.0/ tsam.properties.
IMPORT_CONFIG	Boolean	Whether to import configuration file, if art.properties, tsam.properties , or persistence.xml is under directory $ORACLE_HOME/tsam22.1.0.0.0. the default value is false.

For more information, see Example of Complete Response File.

3.6 Uninstalling Oracle TSAM Plus Manager Using Silent Mode

Not only can you perform command line installations, you can also perform command line deinstallations. A command line deinstallation enables you to remove Oracle products or Oracle homes from your system without using the Oracle Universal Installer graphical user interface.

You can choose to display no dialog boxes or prompts, or you can selectively avoid displaying certain dialog boxes that are normally used during a deinstallation.

Use the following commands to immediately display the Inventory dialog box, which allows you to select items for removal without navigating the Oracle Universal Installer startup screen:

```
sh ./runInstaller.sh -deinstall -silent (on Linux)
```

If you want to hide the inventory dialog box during a deinstallation, you can specify the products to be removed in the `DEINSTALL_LIST` parameter of the response file; specify Oracle homes to be removed with the `REMOVE_HOMES` variable; specify the name of the current Oracle home name with `ORACLE_HOME_NAME`. For example, on a Linux machine, enter:

```
./runInstaller.sh -deinstall -silent \
ORACLE_HOME_NAME='OUIHome1' \
DEINSTALL_LIST='{"TSAM_Manager","22.1.0.0.0"}' \
REMOVE_HOMES='{/home/app/OUIHome1}'
```

A

Example of Complete Response File

This section shows an example of complete response file.

Example of Complete Response File

```
##############################################################################
##                                                                          ##
## Specify values for the variables listed below to customize               ##
## your installation.                                                       ##
##                                                                          ##
## Each variable is associated with a comment. The comment                  ##
## identifies the variable type.                                            ##
##                                                                          ##
## Please specify the values in the following format:                       ##
##                                                                          ##
##         Type         Example                                             ##
##         String       "Sample Value"                                      ##
##         Boolean      True or False                                       ##
##         Number       1000                                                ##
##         StringList   {"String value 1","String Value 2"}                ##
##                                                                          ##
## The values that are given as <Value Required> need to be                 ##
## specified for a silent installation to be successful.                    ##
##                                                                          ##
##                                                                          ##
## This response file is generated by Oracle Software                       ##
## Packager.                                                                ##
##############################################################################


RESPONSEFILE_VERSION=2.2.1.0.0

#------------------------------------------------------------------------------
--
#Name       : Unix_GROUP_NAME
#Datatype   : String
#Description: Unix group to be set for the inventory directory. Valid only in
Unix platforms.
#Example: Unix_GROUP_NAME = "install"
#------------------------------------------------------------------------------
--
Unix_GROUP_NAME="dba"

#------------------------------------------------------------------------------
--
#Name       : FROM_LOCATION
#Datatype   : String
#Description: Complete path to the products.xml.
#Example: FROM_LOCATION = "../stage/products.xml"
#------------------------------------------------------------------------------
```

```
--
FROM_LOCATION="/projects/tuxedo/TSAM_installer/Disk1/stage/products.xml"

#-------------------------------------------------------------------------
--
#Name       : FROM_LOCATION_CD_LABEL
#Datatype   : String
#Description: This variable should only be used in multi-CD installations. It
includes the label of the compact disk where the file "products.xml" exists.
The label can be found in the file "disk.label" in the same directory as
products.xml.
#Example: FROM_LOCATION_CD_LABEL = "CD Label"
#-------------------------------------------------------------------------
--
FROM_LOCATION_CD_LABEL=<Value Unspecified>

#-------------------------------------------------------------------------
--
#Name       : ORACLE_HOME
#Datatype   : String
#Description: Complete path of the Oracle Home.
#Example: ORACLE_HOME = "C:\OHOME1"
#-------------------------------------------------------------------------
--
ORACLE_HOME="/projects/OHOME1"

#-------------------------------------------------------------------------
--
#Name       : ORACLE_BASE
#Datatype   : String
#Description: Complete path of the Oracle Base.
#Example: ORACLE_BASE = "C:\app"
#-------------------------------------------------------------------------
--
ORACLE_BASE=<Value Unspecified>

#-------------------------------------------------------------------------
--
#Name       : ORACLE_HOME_NAME
#Datatype   : String
#Description: Oracle Home Name. Used in creating folders and services.
#Example: ORACLE_HOME_NAME = "OHOME1"
#-------------------------------------------------------------------------
--
ORACLE_HOME_NAME="OHOME1"

#-------------------------------------------------------------------------
--
#Name       : SHOW_WELCOME_PAGE
#Datatype   : Boolean
#Description: Set to true if the Welcome page in OUI needs to be shown.
#Example: SHOW_WELCOME_PAGE = false
#-------------------------------------------------------------------------
--
SHOW_WELCOME_PAGE=true
```

```
#------------------------------------------------------------------------
--
#Name       : SHOW_CUSTOM_TREE_PAGE
#Datatype   : Boolean
#Description: Set to true if the custom tree page in OUI needs to be shown.
#Use this page to select or de-select dependencies. This page appears only in
a custom install type.
#Example: SHOW_CUSTOM_TREE_PAGE = false
#------------------------------------------------------------------------
--
SHOW_CUSTOM_TREE_PAGE=true

#------------------------------------------------------------------------
--
#Name       : SHOW_COMPONENT_LOCATIONS_PAGE
#Datatype   : Boolean
#Description: Set to true if the component locations page in OUI needs to be
shown.
#This page only appears if there are products whose installed directory can
be changed.
#If you set this to false you will prevent the user from being able to
specify alternate directories.
#Example: SHOW_COMPONENT_LOCATIONS_PAGE = false
#------------------------------------------------------------------------
--
SHOW_COMPONENT_LOCATIONS_PAGE=true

#------------------------------------------------------------------------
--
#Name       : SHOW_SUMMARY_PAGE
#Datatype   : Boolean
#Description: Set to true if the summary page in OUI needs to be shown.
#The summary page shows the list of components that will be installed in this
session.
#Example: SHOW_SUMMARY_PAGE = true
#------------------------------------------------------------------------
--
SHOW_SUMMARY_PAGE=true

#------------------------------------------------------------------------
--
#Name       : SHOW_INSTALL_PROGRESS_PAGE
#Datatype   : Boolean
#Description: Set to true if the install progress page in OUI needs to be
shown.
#This page shows the current status in the installation. The current status
includes the product being installed and the file being copied.
#Example: SHOW_INSTALL_PROGRESS_PAGE = true
#------------------------------------------------------------------------
--
SHOW_INSTALL_PROGRESS_PAGE=true

#------------------------------------------------------------------------
--
#Name       : SHOW_REQUIRED_CONFIG_TOOL_PAGE
#Datatype   : Boolean
```

```
#Description: Set to true if the required config assistants page in OUI needs
to be shown.
#This page shows the list of required configuration assistants that are part
of this installation.
#It shows the status of each assistant, including any failures with detailed
information on why it failed.
#Example: SHOW_REQUIRED_CONFIG_TOOL_PAGE = true
#------------------------------------------------------------------------------
--
SHOW_REQUIRED_CONFIG_TOOL_PAGE=true

#------------------------------------------------------------------------------
--
#Name       : SHOW_CONFIG_TOOL_PAGE
#Datatype   : Boolean
#Description: Set to true if the config assistants page in OUI needs to be
shown.
#This page shows the list of configuration assistants that are part of this
installation and are configured to launch automatically.
#It shows the status of each assistant, including any failures with detailed
information on why it failed.
#Example: SHOW_CONFIG_TOOL_PAGE = true
#------------------------------------------------------------------------------
--
SHOW_CONFIG_TOOL_PAGE=true

#------------------------------------------------------------------------------
--
#Name       : SHOW_RELEASE_NOTES
#Datatype   : Boolean
#Description: Set to true if the release notes of this installation need to
be shown at the end of installation.
#This dialog is launchable from the End of Installation page and shows the
list of release notes available for the products just installed.
# This also requires the variable SHOW_END_SESSION_PAGE variable to be set to
true.
#Example: SHOW_RELEASE_NOTES = true
#------------------------------------------------------------------------------
--
SHOW_RELEASE_NOTES=true

#------------------------------------------------------------------------------
--
#Name       : SHOW_ROOTSH_CONFIRMATION
#Datatype   : Boolean
#Description: Set to true if the Confirmation dialog asking to run the
root.sh script in OUI needs to be shown.
#Valid only for Unix platforms.
#Example: SHOW_ROOTSH_CONFIRMATION = true
#------------------------------------------------------------------------------
--
SHOW_ROOTSH_CONFIRMATION=true

#------------------------------------------------------------------------------
--
#Name       : SHOW_END_SESSION_PAGE
```

```
#Datatype   : Boolean
#Description: Set to true if the end of session page in OUI needs to be shown.
#This page shows if the installation is successful or not.
#Example: SHOW_END_SESSION_PAGE = true
#------------------------------------------------------------------------------
--
SHOW_END_SESSION_PAGE=true

#------------------------------------------------------------------------------
--
#Name       : SHOW_EXIT_CONFIRMATION
#Datatype   : Boolean
#Description: Set to true if the confirmation when exiting OUI needs to be
shown.
#Example: SHOW_EXIT_CONFIRMATION = true
#------------------------------------------------------------------------------
--
SHOW_EXIT_CONFIRMATION=true

#------------------------------------------------------------------------------
--
#Name       : NEXT_SESSION
#Datatype   : Boolean
#Description: Set to true to allow users to go back to the File Locations
page for another installation. This flag also needs to be set to true in
order to process another response file (see NEXT_SESSION_RESPONSE).
#Example: NEXT_SESSION = true
#------------------------------------------------------------------------------
--
NEXT_SESSION=false

#------------------------------------------------------------------------------
--
#Name       : NEXT_SESSION_ON_FAIL
#Datatype   : Boolean
#Description: Set to true to allow users to invoke another session even if
current install session has failed. This flag is only relevant if
NEXT_SESSION is set to true.
#Example: NEXT_SESSION_ON_FAIL = true
#------------------------------------------------------------------------------
--
NEXT_SESSION_ON_FAIL=true

#------------------------------------------------------------------------------
--
#Name       : NEXT_SESSION_RESPONSE
#Datatype   : String
#Description: Set to true to allow users to go back to the File Locations
page for another installation. This flag also needs to be set to true in
order to process another response file (see NEXT_SESSION_RESPONSE).
#Example: NEXT_SESSION_RESPONSE = "nextinstall.rsp"
#------------------------------------------------------------------------------
--
NEXT_SESSION_RESPONSE=<Value Unspecified>

#------------------------------------------------------------------------------
```

```
--
#Name       : DEINSTALL_LIST
#Datatype   : StringList
#Description: List of components to be deinstalled during a deinstall session.
#Example: DEINSTALL_LIST = {"TSAM_Manager","22.1.0.0.0"}
#------------------------------------------------------------------------------
--
DEINSTALL_LIST={"TSAM_Manager","22.1.0.0.0"}

#------------------------------------------------------------------------------
--
#Name       : SHOW_DEINSTALL_CONFIRMATION
#Datatype   : Boolean
#Description: Set to true if deinstall confimation is needed during a
deinstall session.
#Example: SHOW_DEINSTALL_CONFIRMATION = true
#------------------------------------------------------------------------------
--
SHOW_DEINSTALL_CONFIRMATION=true

#------------------------------------------------------------------------------
--
#Name       : SHOW_DEINSTALL_PROGRESS
#Datatype   : Boolean
#Description: Set to true if deinstall progress is needed during a deinstall
session.
#Example: SHOW_DEINSTALL_PROGRESS = true
#------------------------------------------------------------------------------
--
SHOW_DEINSTALL_PROGRESS=true

#------------------------------------------------------------------------------
--
#Name       : CLUSTER_NODES
#Datatype   : StringList
#Description: This variable represents the cluster node names selected by the
user for installation.
#Example: CLUSTER_NODES = {"node1","node2"}
#------------------------------------------------------------------------------
--
CLUSTER_NODES={}

#------------------------------------------------------------------------------
--
#Name       : ACCEPT_LICENSE_AGREEMENT
#Datatype   : Boolean
#Description: By setting this variable to true, you are accepting the license
agreement. This variable is used only for silent installations.
#Example: ACCEPT_LICENSE_AGREEMENT = true
#------------------------------------------------------------------------------
--
ACCEPT_LICENSE_AGREEMENT=false

#------------------------------------------------------------------------------
--
#Name       : METALINK_LOCATION
```

```
#Datatype   : String
#Description: This variable represents the Oracle metalink location.
#-------------------------------------------------------------------------------
--
METALINK_LOCATION=<Value Unspecified>

#-------------------------------------------------------------------------------
--
#Name       : METALINK_USERNAME
#Datatype   : String
#Description: This variable represents the Oracle metalink user name.
#-------------------------------------------------------------------------------
--
METALINK_USERNAME=<Value Unspecified>

#-------------------------------------------------------------------------------
--
#Name       : METALINK_PASSWORD
#Datatype   : String
#Description: This variable represents the corresponding Oracle metalink
password.
#-------------------------------------------------------------------------------
--
METALINK_PASSWORD=<Value Unspecified>

#-------------------------------------------------------------------------------
--
#Name       : PROXY_HOST
#Datatype   : String
#Description: The proxy host  used to connect to Oracle metalink.
#Example: PROXY_HOST =
#-------------------------------------------------------------------------------
--
PROXY_HOST=<Value Unspecified>

#-------------------------------------------------------------------------------
--
#Name       : PROXY_PORT
#Datatype   : String
#Description: The proxy port used to connect to Oracle metalink.
#Example: PROXY_PORT =
#-------------------------------------------------------------------------------
--
PROXY_PORT=<Value Unspecified>

#-------------------------------------------------------------------------------
--
#Name       : PROXY_REALM
#Datatype   : String
#Description: The realm for the proxy used to connect to Oracle metalink.
#Example: PROXY_REALM =
#-------------------------------------------------------------------------------
--
PROXY_REALM=<Value Unspecified>

#-------------------------------------------------------------------------------
```

```
--
#Name       : PROXY_USER
#Datatype   : String
#Description: The username for the proxy  used to connect to Oracle metalink.
#Example: PROXY_USER =
#-------------------------------------------------------------------------------
--
PROXY_USER=<Value Unspecified>

#-------------------------------------------------------------------------------
--
#Name       : PROXY_PWD
#Datatype   : String
#Description: The password for the proxy  used to connect to Oracle metalink.
#Example: PROXY_PWD =
#-------------------------------------------------------------------------------
--
PROXY_PWD=<Value Unspecified>

#-------------------------------------------------------------------------------
--
#Name       : DONT_PROXY_FOR
#Datatype   : String
#Description: The dont proxy for list.
#Example: DONT_PROXY_FOR =
#-------------------------------------------------------------------------------
--
DONT_PROXY_FOR=<Value Unspecified>

#-------------------------------------------------------------------------------
--
#Name       : TOPLEVEL_COMPONENT
#Datatype   : StringList
#Description: The top level component to be installed in the current session.
#Example: TOPLEVEL_COMPONENT = {"TSAM_Manager","22.1.0.0.0"}
#-------------------------------------------------------------------------------
--
TOPLEVEL_COMPONENT={"TSAM_Manager","22.1.0.0.0"}

#-------------------------------------------------------------------------------
--
#Name       : SHOW_SPLASH_SCREEN
#Datatype   : Boolean
#Description: Set to true if the initial splash screen in OUI needs to be
shown.
#Example: SHOW_SPLASH_SCREEN = true
#-------------------------------------------------------------------------------
--
SHOW_SPLASH_SCREEN=true

#-------------------------------------------------------------------------------
--
#Name       : SELECTED_LANGUAGES
#Datatype   : StringList
#Description: Languages in which the components will be installed.
#Component  : TSAM_Manager
```

```
#------------------------------------------------------------------------
--

SELECTED_LANGUAGES={"en"}

#------------------------------------------------------------------------
--
#Name       : COMPONENT_LANGUAGES
#Datatype   : StringList
#Description: Languages supported by this component.List of supported
languages : {"en","ja","zh_CN"}
#Component  : TSAM_Manager
#------------------------------------------------------------------------
--

COMPONENT_LANGUAGES={"en"}

#------------------------------------------------------------------------
--
#Name       : INSTALL_TYPE
#Datatype   : String
#Description: Installation type of the component.
#Component  : TSAM_Manager
#------------------------------------------------------------------------
--

INSTALL_TYPE="Custom"

#------------------------------------------------------------------------
--
#Name       : OVERWRITE
#Datatype   : Boolean
#Description: Would you like to overwrite current TSAM product?
#Component  : TSAM_Manager
#------------------------------------------------------------------------
--

OVERWRITE=false

#------------------------------------------------------------------------
--
#Name       : IMPORT_CONFIG
#Datatype   : Boolean
#Description: Whether import configuration file.
#Component  : TSAM_Manager
#------------------------------------------------------------------------
--

IMPORT_CONFIG=false

#------------------------------------------------------------------------
--
#Name       : APP_SRV_TYPE
#Datatype   : Number
#Description: The application server type you want to install Oracle TSAM
Plus Manager
```

```
#             0: SKIP, 1: Bundled WLS
#Component  : TSAM_Manager
#-------------------------------------------------------------------------------
--

APP_SRV_TYPE=1

#-------------------------------------------------------------------------------
--
#Name       : TSAM_PROPERTY
#Datatype   : StringList
#Description: The properties of TSAM Plus Manager,
#{ Max persistence threads
#Data persistence queue size
#Busy threshold
#Timeout shutdown (seconds)
#Call pattern calculation schedule("DAILY", "HOURLY" or "REALTIME")
#Call pattern calculation delay (minutes)
#Automatic data purge(true or false)
#Reserve monitoring data for days}.
#For example,  TSAM_PROPERTY= "2","5000","500","30","DAILY","10","true","30".
#Component  : TSAM_Manager
#-------------------------------------------------------------------------------
--

TSAM_PROPERTY={"10","5000","30"}
```

B

Oracle TSAM Plus Manager Supported Platforms, Web Containers, and DBMS

This section contains the following topics:

B.1 Supported Operating System Platforms

The table below lists the Oracle TSAM Plus Manager 22*c* Release 1 (22.1.0.0.0) Manager supported operating system platforms. Oracle TSAM Plus Manager 22*c* Release 1 (22.1.0.0.0) Agent supports the same operating system platforms as Oracle Tuxedo 22c Release 1 (22.1.0). For more information, see Oracle TSAM Plus Manager 22*c* Release 1 (22.1.0.0.0) Platform Data Sheet.

For Oracle TSAM Plus 22.1.0.0.0 interoperability with Oracle TSAM releases, see Interoperability Oracle TSAM Plus 22c Release 1 (22.1.0.0.0) Release Notes.

Table B-1 Oracle TSAM Plus 22*c* Release 1 (22.1.0) Manager Supported Operating System Platforms

Vendor	Operating System	Release/Version
Oracle	Linux	Oracle Linux 8.x on x86-64 and Oracle Linux 9.x on x86-64

B.2 Supported Web Containers

Oracle TSAM Plus Manager 22*c* Release 1 (22.1.0.0.0) Manager supports the following Web Containers:

Oracle Fusion Middleware Infrastructure 14.1.2, which includes WLS and ADF. For more information, see Oracle Fusion Middleware.

B.3 Supported Web Browsers

Oracle TSAM Plus Manager 22*c* Release 1 (22.1.0.0.0) supports the following Web browsers:

- Firefox 146.0.1
- Google Chrome 143.0

B.4 Supported DBMS

Oracle TSAM Plus Manager 22*c* Release 1 (22.1.0.0.0) Manager supports the following Database Management Systems:

- Oracle Database Enterprise 19c and above compatible version - 64 bit
- For Operation Assistant: Oracle Database ADB 26ai

It is recommended that you use Oracle Database Enterprise Edition with the Partition feature enabled.

B.5 Supported Enterprise Manager Cloud Control Versions

Enterprise Manager for Oracle Tuxedo 13.4.1.0.0 supports the following Enterprise Manager Cloud Control Versions:

- 13.4.0.0
- 13.5.0.0
- 24.1.0.0