

Oracle® Tuxedo System and Applications Monitor Plus

Installation Guide

12c Release 2 (12.2.2)

April 2016

ORACLE®

Copyright © 2013, 2016, Oracle and/or its affiliates. All rights reserved.

This software and related documentation are provided under a license agreement containing restrictions on use and disclosure and are protected by intellectual property laws. Except as expressly permitted in your license agreement or allowed by law, you may not use, copy, reproduce, translate, broadcast, modify, license, transmit, distribute, exhibit, perform, publish, or display any part, in any form, or by any means. Reverse engineering, disassembly, or decompilation of this software, unless required by law for interoperability, is prohibited.

The information contained herein is subject to change without notice and is not warranted to be error-free. If you find any errors, please report them to us in writing.

If this is software or related documentation that is delivered to the U.S. Government or anyone licensing it on behalf of the U.S. Government, the following notice is applicable:

U.S. GOVERNMENT END USERS: Oracle programs, including any operating system, integrated software, any programs installed on the hardware, and/or documentation, delivered to U.S. Government end users are "commercial computer software" pursuant to the applicable Federal Acquisition Regulation and agency-specific supplemental regulations. As such, use, duplication, disclosure, modification, and adaptation of the programs, including any operating system, integrated software, any programs installed on the hardware, and/or documentation, shall be subject to license terms and license restrictions applicable to the programs. No other rights are granted to the U.S. Government.

This software or hardware is developed for general use in a variety of information management applications. It is not developed or intended for use in any inherently dangerous applications, including applications that may create a risk of personal injury. If you use this software or hardware in dangerous applications, then you shall be responsible to take all appropriate fail-safe, backup, redundancy, and other measures to ensure its safe use. Oracle Corporation and its affiliates disclaim any liability for any damages caused by use of this software or hardware in dangerous applications.

Oracle and Java are registered trademarks of Oracle and/or its affiliates. Other names may be trademarks of their respective owners.

This software or hardware and documentation may provide access to or information on content, products, and services from third parties. Oracle Corporation and its affiliates are not responsible for and expressly disclaim all warranties of any kind with respect to third-party content, products, and services. Oracle Corporation and its affiliates will not be responsible for any loss, costs, or damages incurred due to your access to or use of third-party content, products, or services.

Contents

1. Preparing to Install the Oracle TSAM Plus Manager

Oracle Universal Installer (OUI)	1-1
Modes of Installation	1-1
Installation Media	1-2
Special Instructions for UNIX Users	1-2
Failed to Connect to Server Error	1-2
Providing a UNIX Installer Location with Root Privileges	1-3
Providing a UNIX Group Name	1-3
About Oracle Universal Installer Log Files	1-4
Oracle Internationalization	1-4
Installation Dialogs Language	1-4
Oracle TSAM Plus Manager Web Distribution	1-4
TEMP/TMP Directory	1-5
Software Requirements	1-5
Oracle Installation Program	1-5
Cancelling Installation	1-5
Installation Road Map	1-6

2. Installing Oracle TSAM Plus Manager Using GUI-Mode Installation

What Is GUI-Mode Installation?	2-1
Starting GUI-Mode Installation on a Windows System	2-2

Starting GUI-Mode Installation on a UNIX System	2-2
Running GUI-Mode Installation	2-3
Launch the Installer.	2-3
Splash Screen	2-4
Introduction Screen	2-4
Choose Oracle Home	2-4
Overwrite Prompt	2-4
Import Configuration Files Prompt	2-5
Choose Authentication Type	2-5
LDAP Configuration	2-5
Choose Database Type	2-5
Set Database Connection.	2-6
TSAM Plus Database Overwrite Prompt	2-6
Set Groups ID	2-6
Set Admin Password	2-7
Choose an Application Server Type	2-7
Create a Domain for Bundled WebLogic	2-7
Set Password for WebLogic Administrator.	2-7
Choose a WebLogic Folder	2-7
Set WebLogic Server Connection.	2-7
JNDI Configuration.	2-7
Specify Data Source JNDI Name	2-8
Set TSAM Plus Properties	2-8
TSAM Plus Manager Summary Screen	2-8
Installing TSAM Plus Manager Panel.	2-8
Configuration Panel	2-8
Installation Complete Screen	2-8
Assigning File Ownership on a UNIX System	2-8

Uninstalling Oracle TSAM Plus Manager Using GUI-Mode	2-9
Welcome Panel	2-9
Deinstall Inventory Panel	2-9
Confirmation Panel	2-10
Uninstall Complete Panel	2-10

3. Installing Oracle TSAM Plus Manager Using Silent Installation

What Is Silent Installation?	3-1
Creating a Response File	3-2
Using Record Mode	3-2
Installing with a Response File	3-3
Keyword of Response File	3-4
OUI Related Keyword	3-4
TSAM Plus Manager Related Keyword	3-8
Uninstalling Oracle TSAM Plus Manager Using Silent Mode	3-11

A. Example of Complete Response File

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

Supported Operating System Platforms	B-1
Supported Web Containers	B-2
Supported Web Browsers	B-2
Supported DBMS	B-2
Supported Enterprise Manager Cloud Control Versions	B-3

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 12c Release 2 (12.2.2) product software:

- [Oracle Universal Installer \(OUI\)](#)
- [Oracle TSAM Plus Manager Web Distribution](#)
- [TEMP/TMP Directory](#)
- [Oracle Installation Program](#)
- [Installation Road Map](#)

For information about installing the Oracle TSAM Plus Agent, see [Installing Oracle Tuxedo Using GUI-Mode Installation](#).

Oracle Universal Installer (OUI)

The Oracle Tuxedo 12c Release 2 (12.2.2) product software installer is based on the Oracle Universal Installer (OUI). To install the Oracle Tuxedo 12c Release 2 (12.2.2) 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

You can use OUI to install Oracle products in any of the three following 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.

Note: You can use the `-noConsole` flag on Windows to suppress the display of console messages.

Installation Media

Note: On Windows, when you start the installer from a shared drive, you need to map the shared drive and then invoke the installer from the shared drive. When you invoke `runInstaller.sh` (UNIX) or `setup.bat` (Windows), you should invoke it from the directory where this command is present, or you must specify the complete path to `runInstaller.sh` (UNIX) or `setup.bat` (Windows).

Special Instructions for UNIX Users

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

Failed to Connect to Server Error

If you receive an `Xlib error` or a "Failed to connect to Server" error when you are running OUI on the Solaris operating system, do the following:

1. Define the following environment variable on the host computer where you are running OUI:
`%setenv DISPLAY <machine name>:0.0`
2. Replace `<machine name>` with the name of the computer that will display OUI.
3. On the computer that will display OUI, enter the following command, which allows other computers to display information on the computer monitor: `%xhost +`
4. Rerun the `runInstaller.sh` script after you have set the `DISPLAY` environment variable.

Note: You can run OUI without specifying the `DISPLAY` variable by running in silent mode using a response file.

Providing a UNIX Installer Location with Root Privileges

You must have root privileges to perform various UNIX 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 `root.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 `root.sh` as root later.

Note: When running OUI in silent mode, if `root.sh` is required prior to configuration assistants, OUI skips configuration assistants during the installation. You must run `root.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 `./root.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.

Providing a UNIX Group Name

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

You must choose a UNIX 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.

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.

Oracle Internationalization

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.

Oracle TSAM Plus Manager Web Distribution

An evaluation copy of Oracle TSAM Plus Manager is available for download from the Oracle corporate Web site at <http://www.oracle.com/technology/software/index.html>.

Platform-specific installer files for the Oracle TSAM Plus Manager product software are available for download from the Oracle corporate Web site.

TEMP/TMP Directory

During both UNIX and Windows installation, temporary copies of Oracle Universal Installer and JRE are placed in the `TEMP` or `TMP` directory in a subdirectory named `/OraInstall<timestamp>`. On both UNIX and Windows, Oracle Universal Installer looks for `%TEMP%` then `%TMP%`. If neither is set, Oracle Universal Installer defaults to `/tmp` on UNIX and `c:\temp` on Windows.

Note: The `TEMP/TMP` directory should not be a cluster file system or a shared location.

Software Requirements

Java Development Kit (JDK) 1.8.0 or Java Runtime Environment (JRE) 1.8.0 is required to install Oracle Tuxedo System and Applications Monitor Plus. You need to install the required JRE and set the environment variable `JAVA_HOME` accordingly before installing Oracle Tuxedo System and Applications Monitor Plus.

Note: If you choose to install "Bundled WebLogic", you need to run TSAM Plus Manager 12.2.2 installer with the following JDK versions.

- Oracle JDK (64-bit): Tested with 1.8.0_60 on Linux, and 1.8.0_74 on Solaris
- HP JDK (64-bit): Tested with Java version 1.8.0.04-hp-ux
- IBM JDK (64-bit): Tested with 1.8.0 SR2 FP10

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 UNIX systems.

Cancelling Installation

Clicking the "Cancel" or the "close" window button in GUI mode creates an incomplete Oracle TSAM Plus Manager 12c Release 2 (12.2.2) installation. You will have to re-install Oracle TSAM Plus Manager 12c Release 2 (12.2.2).

Installation Road Map

You are now ready to begin your installation. To install Oracle TSAM Plus Manager 12c Release 2 (12.2.2), see one of the following sections:

- [“Installing Oracle TSAM Plus Manager Using GUI-Mode Installation”](#) on page 2-1
- [“Installing Oracle TSAM Plus Manager Using Silent Installation”](#) on page 3-1

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:

- [What Is GUI-Mode Installation?](#)
- [Starting GUI-Mode Installation on a Windows System](#)
- [Starting GUI-Mode Installation on a UNIX System](#)
- [Running GUI-Mode Installation](#)
- [Assigning File Ownership on a UNIX System](#)
- [Uninstalling Oracle TSAM Plus Manager Using GUI-Mode](#)

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 both Windows and UNIX 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. All consoles for Windows systems support Java-based GUIs, but not all consoles for UNIX systems do.

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

Starting GUI-Mode Installation on a Windows System

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

1. Select a Windows system that meets the hardware and software requirements.
2. Log in to the Windows system as the `Administrator` or as a member of the `Administrator` group.
You need administrative privileges to install Oracle TSAM Plus Manager on a Windows system.
3. Ensure that you have enough free space for the Oracle TSAM Plus Manager installation.
4. Install Oracle TSAM Plus Manager. You can download it from the Oracle Web site:
 - a. Go to <http://www.oracle.com/technology/software/index.html> and download the Oracle TSAM Plus Manager 12c Release 2 (12.2.2) installation file specific to your platform.
 - b. Go to the directory where you downloaded the Oracle TSAM Plus Manager installer, unzip the installer file, and then go to the `Disk1\install` directory, run the `setup.bat` to start the installation.
5. Proceed to [Running GUI-Mode Installation](#).
6. Re-login to the system after TSAM Plus Manager 12c Release 2 (12.2.2) installation has completed.

Starting GUI-Mode Installation on a UNIX System

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

1. Select a UNIX system that meets the hardware and software requirements
2. Log in to the UNIX system as the Oracle TSAM Plus Manager administrator.
3. Ensure that you have enough free space for the Oracle TSAM Plus Manager installation.
4. Install Oracle TSAM Plus Manager by downloading from the Oracle Web site:
 - a. Go to <http://www.oracle.com/technology/software/index.html> and download the Oracle TSAM Plus Manager 12c Release 2 (12.2.2.0.0) 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 TSAM Plus Manager 12c Release 2 (12.2.2.0.0) installation. If a GUI interface is not available on your Unix platform, you will receive an error message and the installation process is aborted.

If a GUI interface is not available on your Unix platform, you can use silent mode installation. For more information, see [What Is Silent Installation?](#)

5. Proceed to [Running GUI-Mode Installation](#) .

Running GUI-Mode Installation

This section describes how to install the TSAM Plus Manager 12c Release 2 (12.2.2) using GUI mode.

The Oracle TSAM plus manager installer program is currently available in English and Japanese. 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 UNIX platforms is similar.

Launch the Installer

Unzip your installer file, and then go to the `Disk1\install` directory. Before launching the installer, set up the environment `JAVA_HOME` properly, and make sure Java version is higher than 1.8.0.

- [On Windows] run `setup.bat`
- [On UNIX] run `sh ./runInstaller.sh`

The Oracle Universal Installer is started.

Note: The dialog panel that appears cannot be customized.

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.

Introduction Screen

When an introduction message or information specific to that installer and install machine is displayed, click **Next** to continue.

Choose Oracle Home

The next screen prompts you to choose the Oracle Home target installation directory. There is a choice to either manually specify an existing Oracle Home directory or select an Oracle Home directory from the given list detected by the installation program.

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 12c Release 2 (12.2.2) product is installed.

If you enter an invalid path for Oracle Home directory, an error message will be displayed.

If Oracle Home directory is not empty and not recorded in inventory, a warning message will be displayed.

Overwrite Prompt

If TSAM Plus Manager product is already installed in `ORACLE_HOME`, a prompt is displayed asking whether to overwrite it.

If you choose **No**, you can not continue the installation until you choose another `ORACLE_HOME` or quit the installation.

Import Configuration Files Prompt

If `art.properties`, `tsam.properties`, or `persistence.xml` is under the directory `$ORACLE_HOME/tsam12.2.2.0.0`, 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_wls12c.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.
- If `persistence.xml` exists, the old database connection string recorded in `persistence.xml` IS displayed on panel “Set database Connection”, and the connection string is used to connect database.

Choose Authentication Type

Select the authentication type, user information can be stored in the Oracle TSAM Plus database or an existing LDAP server. **Database first** supports both. **LDAP only** exclusively supports LDAP authentication.

If you choose **Database first**, you need to decide whether to specify an LDAP configuration file now.

For more information, refer to [Configuring LDAP Authentication](#) in [Oracle TSAM Plus Configuration Guide](#).

LDAP Configuration

You must specify a LDAP configuration file if you choose **LDAP only**, or you want to specify an LDAP configuration file now for **Database first**.

For more information, refer to [TSAM Plus LDAP Configuration File](#) in [Oracle TSAM Plus Configuration Guide](#).

Choose Database Type

Choose the database usage type you will use with TSAM Plus Manager. The default option is **Create a new schema of existing Oracle Database**.

Note: The first option is not applicable for Oracle database releases lower than 11g.

If `persistence.xml` is under directory `$ORACLE_HOME/tsam12.2.2.0.0`, it reads the database type from this configuration, and sets the default option to it.

Set Database Connection

If you choose database usage type **Create a new schema of existing Oracle Database**, you need to set database connection.

Specify the Oracle SYSDBA user and password to create a new schema of existing oracle database, and specify the parameters to create a new TSAMA plus DB schema of existing oracle database. The TSAM plus DB user tablespace should exist.

Note: At least 5G space should be reserved in the tablespace for TSAM plus.

If you select **Use existing Derby database** or **Use existing schema of Oracle Database** database usage type, you need to configure the related database connection. Plus, if `persistence.xml` is under directory `$ORACLE_HOME/tsam12.2.2.0.0`, and you choose “**import TSAM Plus Manager configuration files**”, the database connection string recored in `persistence.xml` will be display.

If the database connection cannot be connected, an error message is displayed.

TSAM Plus Database Overwrite Prompt

If you choose database type **Existing Derby database** or **Existing Oracle database**, and the same version of TSAM Plus database already exists under the specified database connection, a prompt is displayed asking whether to overwrite it. If the existing TSAM Plus database version is not the same as the TSAM Plus 12c Release 2 (12.2.2), an error "Cannot overwrite: a different version of TSAM Plus database is found under" occurs.

Set Groups ID

Specify groups ID. Oracle TSAM Plus Manager creates the default user groups **Administrator** and **Viewer**. If you use LDAP authentication, the Group ID must be the same as the one of the corresponding user in the LDAP server.

If you enter nothing or not a number value, you will get Error box with message ““You are required to specify valid "xxxx"” according to the related input item.

Set Admin Password

Oracle TSAM Plus Manager creates a user with the name “**admin**”. Specify password (between 1-32 alphanumeric characters).

If you enter unmatchable password twice, an error message is displayed.

Choose an Application Server Type

Choose the application server where oracle TSAM Plus Manager will be deployed. There are three options, "Existing WebLogic Server", "Bundled WebLogic Server", and "Skip, I will deploy TSAM Plus to an existing application server after the installation". The default option is "Existing WebLogic Server".

Create a Domain for Bundled WebLogic

If you do not "Skip" database configure and choose application server "Bundled WebLogic server", you need to create a domain for this WebLogic. You need to set Domain Listen Port (default value is 7001) and Domain Administrator Name (default value is weblogic).

Note: JNDI Configuration is not supported by "Bundled Weblogic server".

Set Password for WebLogic Administrator

If you do not "Skip" database configure and choose application server "Bundled WebLogic server", you also need to set a password for WebLogic Domain Administrator.

Choose a WebLogic Folder

If you choose application server "Existing WebLogic server", you need to choose a folder where WebLogic server is installed. If you input an invalid WebLogic folder, you will get an error.

Set WebLogic Server Connection

If you choose application server "An existing WebLogic server", you also need to configure WebLogic properties.

JNDI Configuration

If you "Skip" the Database type and choose application server "An existing WebLogic server", you can specify a JNDI for existing data source.

Specify Data Source JNDI Name

If you choose "Yes" in "JNDI Configuration", you need to specify a Data Source JNDI name. If the Data Source JNDI name is invalid, you will get an error.

Set TSAM Plus Properties

User can reset properties' value or use the default. Plus, If `tsam.properties` is under directory `$ORACLE_HOME/tsam12.2.2.0.0`, and you are choose to "import TSAM Plus Manager configuration files", the value recorded in `tsam.properties` will be display.

If you input a invalid value, you will get Error box with message "'You are required to specify valid 'xxxx'" according to the related input item.

TSAM Plus Manager Summary Screen

When previous component is detected, the Summary panel is displayed, the top component "TSAM Plus Manager 12.2.2.0.0" can be always reinstalled.

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 12.2.2.0.0 screen is displayed.

Note: This dialog panel can not be customized.

Configuration Panel

At this point, some configuration jobs are done and the Configuration Assistants screen is displayed.

Installation Complete Screen

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

Assigning File Ownership on a UNIX System

If you installed the Oracle TSAM Plus Manager on a UNIX 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 UNIX 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.

Uninstalling Oracle TSAM Plus Manager Using GUI-Mode

The following steps describe GUI mode un-installation process.

Welcome Panel

Go to `<ORACLE_HOME>/oui/bin`, run `setup.bat` on windows platform, and `sh ./runInstaller.sh` on Unix platform, then the Uninstaller window appears same with installer windows. You can completely remove TSAM Plus Manager 12c Release 2 (12.2.2) just by clicking **Deinstall Products**.

Notes:

- At the first beginning, you may not see any product from Inventory panel. That's because your central inventory pointer (`/etc/oraInst.loc`) is not setup. You will not get the installed product list unless you navigate to couple of pages where you select the central inventory location and come back to first page and select "Installed products". At this time, since central inventory is selected OUI fetches all homes associated with that inventory along with its installed components and displays for the deinstall.
- Java Development Kit (JDK) 1.8.0 or Java Runtime Environment (JRE) 1.8.0 is required. You need to install the required JRE and set the environment variable `JAVA_HOME` accordingly.

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.

Confirmation Panel

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

Uninstall Complete Panel

After uninstall finishes, the Deinstall successful message appears.

Check the product list from **Inventory**, the product is already uninstall successfully.

Installing Oracle TSAM Plus Manager Using Silent Installation

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

- [What Is Silent Installation?](#)
- [Creating a Response File](#)
- [Using Record Mode](#)
- [Installing with a Response File](#)
- [Keyword of Response File](#)
- [Uninstalling Oracle TSAM Plus Manager Using Silent Mode](#)

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 UNIX systems.

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

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 UNIX systems.

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 (`setup.bat` or `sh ./runInstaller.sh`) for your installation.

2. Enter the following command:

- On Windows:

```
setup.bat -record -destinationFile <response_file_name>
```

- On UNIX:

```
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 Windows:

```
setup.bat -record -destinationFile  
C:\response_files\install_oracle11g.rsp
```


- On UNIX:

```
sh ./runInstaller.sh -record -destinationFile
/private/temp/install_oracle11g.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.

Note: Java Development Kit (JDK) 1.8.0 or Java Runtime Environment (JRE) 1.8.0 is required. You need to install the required JRE and set the environment variable `JAVA_HOME` accordingly.

Installing with a Response File

When installing in silent mode you must make sure 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:

```
setup.bat -responseFile <filename> -silent <optional_parameters> (on
Windows)
sh ./runInstaller.sh -responseFile <filename> -silent
<optional_parameters> (on UNIX)
```

Notes:

- 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.
- Java Development Kit (JDK) 1.8.0 or Java Runtime Environment (JRE) 1.8.0 is required. You need to install the required JRE and set the environment variable `JAVA_HOME` accordingly.

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:

```
setup.bat -help (on Windows)
```

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

For example, on a UNIX machine, enter:

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

If the `ORACLE_HOME` is not empty, please use `-force` option to overwrite it, or you will get 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 subdirectories like lost+found.
```

Keyword of Response File

OUI Related Keyword

Table 3-1 Optional Keyword

Keyword Name	Datatype	Description
<code>UNIX_GROUP_NAME</code>	String	Unix group to be set for the inventory directory. Valid only in Unix platforms.
<code>FROM_LOCATION</code>	String	Complete path to the <code>products.xml</code>
<code>FROM_LOCATION_CD_LABEL</code>	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.
<code>ORACLE_BASE</code>	String	Complete path of the Oracle Base.

Table 3-1 Optional Keyword

Keyword Name	Datatype	Description
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_REQUIRED_CONFIG_TOOL_PAGE	Boolean	Set to true if the required config assistants 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 root.sh script in OUI needs to be shown. Valid only for Unix 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).
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.

Table 3-1 Optional Keyword

Keyword Name	Datatype	Description
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" , "12.2.2.0.0" }
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.

Table 3-1 Optional Keyword

Keyword Name	Datatype	Description
PROXY_PWD	String	The password for the proxy used to connect to Oracle metalink.
DONT_PROXY_FOR	String	The dont proxy for list.
TOplevel_COMPONENT	StringList	The top level component to be installed in the current session. #Example: DEPENDENCY_LIST= { "TSAM_Manager" , "12.2.2.0.0" }
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" }

Table 3-2 Required Keyword

Keyword Name	Datatype	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. Used in creating folders and services.

TSAM Plus Manager Related Keyword

Table 3-3 TSAM Plus Manager Related Keyword

Keyword Name	Datatype	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.
AUTHEN_TYPE	Number	"Database first" or "LDAP only"? 0 means "Database first", 1 means "LDAP only", the default value is 0.
LDAP_SELECTION	Boolean	Ask customer Whether to specify LDAP configuration file if AUTHEN_TYPE=0, the default value is false.
LDAP_CONFIG_FILE	String	The full path of LDAP configuration file. It is required if AUTHEN_TYPE=1, or AUTHEN_TYPE=0 && LDAP_SELECTION=true.
DB_TYPE	Number	Choose the database type you will use with TSAM Plus Manager. 0 means "Create a new schema of existing Oracle Database", 1 means "Use existing schema of Oracle Database", 2 means "Use bundled Derby database", 3 means "Use existing Derby database", 4 means "Skip, I will deploy TSAM Plus Manager to an existing database server after the installation". The default value is 0.

Table 3-3 TSAM Plus Manager Related Keyword

Keyword Name	Datatype	Description
DB_CONNECTION	StringList	<p>Database connection parameters. It is required if DB_TYPE=0 or 1.</p> <p>The format is {<Hostname>, <port>, <databaseName>, <Database SYSDBA user>, <Database SYSDBA user password>, <TSAM plus DB user name>, < TSAM plus DB user password>, < TSAM plus DB user tablespace>, < TSAM plus DB user Max DB connection number>, <database enable partition>}. If DB_TYPE=1, the <Database SYSDBA user>, <Database SYSDBA user password>< TSAM plus DB user tablespace>< TSAM plus DB user Max DB connection number> can be set to "".</p> <p><database enable partition> specifies whether to create the Oracle Database schema with partition. Its value "yes" is only used for Oracle Enterprise Edition (with partition feature).</p> <p>For example, DB_CONNECTION={ "bej301153", "1521", "sol12em12cR3", "SYS", "SYSPWD", "tsam_oui", "tsam_oui", "USERS", "20", "yes"}.</p>
DB_OVERWRITE	Boolean	<p>If the database type is "An existing Derby database" or "An existing Oracle database", and the TSAM Plus Manager database is already existed under the specified database connection, you need to specify whether to overwrite it. The default value is true.</p>
GIDS	StringList	<p>The parameters of Group IDs. The format is {<administratorGroupID>, <viewerGroupID>}, the default value is {"0", "1"}.</p>
ADM_PWD	String	<p>The password of administrator. It is required.</p>

Table 3-3 TSAM Plus Manager Related Keyword

Keyword Name	Datatype	Description
APP_SRV_TYPE	Number	Choose the application server to which oracle TSAM Plus Manager will be deployed. 0 means "An existing WebLogic server". 1 means "Bundled WebLogic server". 2 means "Skip, I will deploy TSAM Plus Manager to an existing application server after the installation". The default value is 0.
APPSERVERDIR	String	Application Server Directory. WebLogic server if APP_SRV_TYPE=0. It is required if APP_SRV_TYPE is 0.
WLS_PARAMETERS	StringList	WebLogic Server connection parameters. The format is {<adminUrl>, <userName>, <password>}. It is required if APP_SRV_TYPE is 0.
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/tsam12.2.2.0.0/tsam.properties.
BUN_WLS_PROP	StringList	Property of WebLogic Domain. The format is {<port>, <adm_name>}. It is required if the application server is Bundled WebLogic.
WLS_ADM_PWD	String	The password of WebLogic domain administrator. It is required if the application server is Bundled WebLogic.

Table 3-3 TSAM Plus Manager Related Keyword

Keyword Name	Datatype	Description
JNDI_SELECTION	Boolean	Set JNDI_SELECTION to "yes" to input a data source JNDI name.
DATA_SOURCE_JNDI_NAME	String	Stands for data source JNDI name.
IMPORT_CONFIG	Boolean	Whether to import configuration file, if art.properties, tsam.properties , or persistence.xml is under directory \$ORACLE_HOME/tsam12.2.2.0.0. the default value is false.

For more information, see [Example of Complete Response File](#).

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 UNIX)
```

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 UNIX machine, enter:

```
sh ./runInstaller.sh -deinstall -silent
"DEINSTALL_LIST={"TSAM_Manager", "12.2.2.0.0"}"
ORACLE_HOME_NAME="OUIHome2"
```

```
REMOVE_HOMES={ "/home/tuxqa/OraHome_2" }
```

Note: Java Development Kit (JDK) 1.8.0 or Java Runtime Environment (JRE) 1.8.0 is required. You need to install the required JRE and set the environment variable `JAVA_HOME` accordingly.

Example of Complete Response File

This section shows an example of complete response file.

Listing A-1 Example of Complete Response File

```
#####
## Copyright (c) 1999, 2016 Oracle. All rights reserved.      ##
##                                                            ##
## 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="oinstall"
#-----
#Name          : FROM_LOCATION
#Datatype     : String
#Description: Complete path to the products.xml.
#Example: FROM_LOCATION = "../stage/products.xml"

```

```

#-----
FROM_LOCATION="/home/shosun/tsamload04/stage_tsam_linux/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="/home/shosun/OraHome_9"
#-----
#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="OUIHome9"
#-----
#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", "12.2.2.0.0"}
#-----
DEINSTALL_LIST={"TSAM_Manager", "12.2.2.0.0"}
#-----
#Name      : SHOW_DEINSTALL_CONFIRMATION
#Datatype  : Boolean
#Description: Set to true if deinstall confirmation 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=" "
#-----
#Name          : PROXY_PORT
#Datatype     : String
#Description: The proxy port used to connect to Oracle metalink.
#Example: PROXY_PORT =
#-----
PROXY_PORT=" "
#-----
#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=" "
#-----
#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", "12.2.2.0.0"}
#-----
TOPLEVEL_COMPONENT={"TSAM_Manager", "12.2.2.0.0"}
#-----
#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"

```

```

TSAM_PROPERTY={"10","5000","30","DAILY","30","false","30","4"}
#-----
#Name          : OVERWRITE
#Datatype     : Boolean
#Description: Would you like to overwrite current TSAM product?
#Component    : TSAM_Manager
#-----
OVERWRITE=true
#-----
#Name          : LDAP_SELECTION
#Datatype     : Boolean
#Description: Do you want to specify LDAP configuration file now?
#Component    : TSAM_Manager
#-----
LDAP_SELECTION=false
#-----
#Name          : IMPORT_CONFIG
#Datatype     : Boolean
#Description: Whether import configuration file.
#Component    : TSAM_Manager
#-----
IMPORT_CONFIG=false
#-----
#Name          : JNDI_SELECTION
#Datatype     : Boolean
#Description: Set JNDI_SELECTION to "yes" to input an data source JNDI name.
#Component    : TSAM_Manager

```



```

#-----
JNDI_SELECTION=false
#-----
#Name          : GIDS
#Datatype     : StringList
#Description: The parameters of groups IDs.
#Component    : TSAM_Manager
#-----
GIDS={"0","1"}
#-----
#Name          : DB_TYPE
#Datatype     : Number
#Description: The database type you want to install TSAM manager.
#0 means "Create a new schema of existing Oracle Database",
#1 means "Use existing schema of Oracle Database",
#2 means "Use bundled Derby database",
#3 means "Use existing Derby database",
#4 means "Skip, I will deploy TSAM Plus Manager to an existing database
server after the installation".
#The default value is 0.
#Component    : TSAM_Manager
#-----
DB_TYPE=0
#-----
#Name          : DB_OVERWRITE
#Datatype     : Boolean
#Description: Whether overwrite current DB.
#Component    : TSAM_Manager

```

```

#-----
DB_OVERWRITE=true
#-----
#Name      : BUN_WLS_PROP
#Datatype  : StringList
#Description: Property of WebLogic Domain
#Component : TSAM_Manager
#-----
BUN_WLS_PROP={"7001","weblogic"}
#-----
#Name      : AUTHEN_TYPE
#Datatype  : Number
#Description: Local first or LDAP only
#Component : TSAM_Manager
#-----
AUTHEN_TYPE=0
#-----
#Name      : APP_SRV_TYPE
#Datatype  : Number
#Description: The application server type you want to install Oracle TSAM
Plus Manager
#Component : TSAM_Manager
#-----
APP_SRV_TYPE=1
#-----
#Name      : LDAP_CONFIG_FILE
#Datatype  : String
#Description: LDAP configuration file.

```

```

#Component   : TSAM_Manager
#-----
LDAP_CONFIG_FILE="/nfs/users/tuxqa/huchchen/tsam/linux/tpgauth-iplanet"
#-----
#Name        : WLS_PARAMETERS
#Datatype    : StringList
#Description: The parameters of WebLogic server
#Component   : TSAM_Manager
#-----
WLS_PARAMETERS={"bej301147:7001"," WebLogic","WebLogic1"}
#-----
#Name        : DATA_SOURCE_JNDI_NAME
#Datatype    : String
#Description: DATA_SOURCE_JNDI_NAME stands for data source JNDI name.
#Component   : TSAM_Manager
#-----
DATA_SOURCE_JNDI_NAME=" "
#-----
#Name        : WLS_ADM_PWD
#Datatype    : String
#Description: The password of WebLogic domain administrator.
#Component   : TSAM_Manager
#-----
WLS_ADM_PWD="welcome1"
#-----
#Name        : ADM_PWD
#Datatype    : String

```

```

#Description: The password of administrator.
#Component   : TSAM_Manager
#-----
ADM_PWD="aa"

#-----
#Name        : APPSERVERDIR
#Datatype    : String
#Description: The directory of application server.
#Component   : TSAM_Manager
#-----
APPSERVERDIR="/home/shosun/OraHome_9/tsam_12.1.3/wls"

#-----
#Name        : DB_CONNECTION
#Datatype    : StringList
#Description: The parameters of database connection
#The format is {<Hostname>,<port>,<databaseName>,<Database SYSDBA
user>,<Database SYSDBA user password>,<TSAM Plus DB user name>,< TSAM Plus
DB user password>,< TSAM Plus DB user tablespace>,< TSAM Plus DB user Max
DB connection number>,<database enable partition>}.
#If DB_TYPE=1, the <Database SYSDBA user>,<Database SYSDBA user password><
TSAM Plus DB user tablespace>< TSAM Plus DB user Max DB connection number>
can set to "".
#It is required if DB_TYPE=0 or 1.
#For example,
DB_CONNECTION={"hostname","1521","dbname","SYS","SYSPWD","tsam","tsam","ta
blespace","20","Yes"}
#Component   : TSAM_Manager

```

```
#-----  
DB_CONNECTION={"bej301153","1521","sol12em12cR3","",  
"","tsam_oui","tsam_oui", "tablespace","20", "Yes"}  
#-----  
#Name          : IMPORT_CONFIG  
#Datatype     : Boolean  
#Description: Whether to import configuration file.  
#Component    : TSAM_Manager  
#-----  
IMPORT_CONFIG = true
```

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

Supported Operating System Platforms

[Table A-1](#) lists the Oracle TSAM Plus 12c Release 2 (12.2.2) Manager supported operating system platforms. Oracle TSAM Plus 12c Release 2 (12.2.2) Agent supports the same operating system platforms as Oracle Tuxedo 12c Release 2 (12.2.2). For more information, see [Oracle Tuxedo 12c Release 2 \(12.2.2\) Platform Data Sheets](#).

For Oracle TSAM Plus 12.2.2 interoperability with Oracle TSAM releases, see [“Interoperability” in the Oracle TSAM Plus 12c Release 2 \(12.2.2\) Release Notes](#).

Table A-1 Oracle TSAM Plus 12c Release 2 (12.2.2) Manager Supported Operating System Platforms

Vendor	Operating System	Release/Version
IBM	AIX	IBM AIX 7.1 (64-bit) on IBM PowerPC
Oracle	Linux	Oracle Linux 6.7 (64-bit) on x86-64
	Solaris	Oracle Solaris 11 (64-bit) on SPARC
Red Hat	Linux	Red Hat Enterprise Linux 6.7 (64-bit) on x86-64
HP	HP-UX	HP-UX 11i v3 (64-bit) on Itanium

Supported Web Containers

Oracle TSAM Plus 12c Release 2 (12.2.2) Manager supports the following Web Containers:

- WLS 12.2.1 + ADF 12.2.1.0
- WLS 12.1.3 + ADF 12.1.3.0

Note: When you create a Domain, make sure you choose the Oracle JRF component.

Supported Web Browsers

Oracle TSAM Plus 12c Release 2 (12.2.2) Manager supports the following Web browsers:

- Internet Explorer 11 and later versions
- Firefox 38 and later versions
- Google Chrome 49 and later versions
- Safari 5 and later versions

Supported DBMS

Oracle TSAM Plus 12c Release 2 (12.2.2) Manager supports the following Database Management Systems:

- Oracle Database 11g Enterprise Edition Release 11.2.0.1.0 - 64bit Production
- Oracle Database 11g Standard Edition Release 11.2.0.1.0 - 64bit Production (Without the partition feature)
- Oracle Database 12c Enterprise Edition Release 12.1.0.1.0 - 64bit Production
- Oracle Database 12c Standard Edition Release 12.1.0.1.0 - 64bit Production (Without the partition feature)
- Apache Derby 10.8.2.2 and later versions

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

Supported Enterprise Manager Cloud Control Versions

Enterprise Manager for Oracle Tuxedo 13.1.2.0.0 supports the following Enterprise Manager Cloud Control Versions:

- 13.1.0.0.0
- 13.2.0.0.0