Oracle® Tuxedo System and Application Monitor (TSAM)

Installation Guide

10*g* Release 3 (10.3)

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Tuxedo Systems and Application Monitor Installation Guide, 10*g* Release 3 (10.3)

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CHAPTER 1

Introduction

The following sections provide information that you need to know before installing Oracle TSAM product software:

- Overview
- System Requirements
- Oracle TSAM Installation Program
- Oracle TSAM Distribution
- What Next?

Overview

Oracle Tuxedo System and Application Monitor (TSAM) provides comprehensive monitoring and reporting for Oracle Tuxedo system and applications. It includes two components: Oracle TSAM Agent and Oracle TSAM Manager.

Note: Oracle TSAM installation requires JRE version 1.5.0 or higher.

The Oracle TSAM agent enables collection of various performance metrics for applications, including XA and non-XA transactions, services, system servers. Oracle TSAM Manager provides graphical user interface to correlate and aggregate performance metrics collected from one or more Tuxedo domains and display it in real time.

Oracle TSAM Agent must be installed on top of Oracle Tuxedo. It is not mandatory to install Oracle TSAM Manager on a machine running Oracle Tuxedo.

System Requirements

Oracle Tuxedo must be installed before you can install Oracle TSAM Agent. If you already have Oracle TSAM Agent installed, you must shut down Oracle TSAM Agent before you upgrade/reinstall Oracle TSAM Agent.

Oracle TSAM Platform Support

For a listing of Oracle TSAM-supported platforms, see Oracle TSAM 10g Release 3 (10.3) Supported Platforms.

Oracle TSAM Installation Program

The Oracle TSAM software is distributed as an installation program for Windows or UNIX systems. The Oracle TSAM installation program supports three installation methods. You can use any of these methods to install the Oracle TSAM product software:

- Graphical user interface (GUI) mode installation, described in “Installing Oracle TSAM Using GUI-Mode Installation” on page 2-1.
- Console-mode installation, described in “Installing Oracle TSAM Using Console-Mode Installation” on page 3-1.
- Silent installation, described in “Installing Oracle TSAM Using Silent Installation” on page 4-1.

Oracle TSAM Distribution

Oracle TSAM is distributed for download at the following Oracle Web site. An evaluation copy of Oracle TSAM is available for download from the Oracle corporate Web site at:

http://edelivery.oracle.com

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

What Next?

You are now ready to begin your installation. To install Oracle TSAM 10*g* Release 3 (10.3), see one of the following sections:

- Installing Oracle TSAM Using GUI-Mode Installation
- Installing Oracle TSAM Using Console-Mode Installation
- Installing Oracle TSAM Using Silent Installation
- Post Oracle TSAM Installation

CHAPTER 2

Installing Oracle TSAM Using GUI-Mode Installation

The following sections describe how to install Oracle TSAM using graphical user interface (GUI) mode installation on both Windows and UNIX systems:

- What Is GUI-Mode Installation?
- Installing on Windows or UNIX Platforms in Graphics Mode
- Uninstalling Oracle TSAM

What Is GUI-Mode Installation?

The graphical user interface mode installation is the graphics-based method of executing the Oracle TSAM installation program. It can run on both Windows and UNIX systems.

To run GUI-mode installation, the computer console 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 on a UNIX system with a non-graphics console, see "Installing Oracle TSAM Using Console-Mode Installation" on page 3-1.

Installing on Windows or UNIX Platforms in Graphics Mode

1. Launch Oracle TSAM installer.

2. "Choose Install Set: Select the install set that you want installed on your system:

    - Full Install
    - Agent Install
    - Manager install

    If you select Full Install or Manager Install, you can choose whether installing the bundled Tomcat or not. If Tomcat is installed, startup/shutdown scripts are provided as well. If Tomcat is not installed, you must manually deploy TSAM Manager to a Web container.

3. Click *Next* to proceed with the installation. The Choose Oracle Home Directory screen appears.

    You can select from the following options:

    – Choose an Oracle Home

      Click the *Choose an Oracle Home* option if you already have one or more Oracle Home directories on your system. Select an Oracle Home directory from the list displayed to the right of the option.

      All valid Oracle Home directories are displayed in this list. Valid Oracle Home directories are directories where Oracle products have been installed using the standard installation program.

    – Specify an Oracle Home

      Click the *Specify an Oracle Home* button to select an existing directory.

4. For TSAM 10*g* Release 3 (10.3) installer, the Choose Install Directory screen appears. You can modify the default TSAM 10*g* Release 3 (10.3) installation directory.

5. If a previous installation is detected, you can choose whether overwrite it or not.

6. If the installation process continues, the Pre-Installation Summary screen appears. Review the summary information and click Install if the information is acceptable. The installation process continues. Click *Previous* to go back and modify any input that you want to change.

7. Upon completion, the Install Complete screen appears. Click *Done* to exit the installation program.

Uninstalling Oracle TSAM

Perform the following steps to uninstall Oracle TSAM software:

Windows:

Choose Start→Programs→Oracle WebLogic E-Business Platform→tsam10gR3→uninstall_tsam10gR3 from the Start menu.

You can also uninstall via Start→Control Panel→Add or Remove Programs.

UNIX

Execute the command

```
<ORACLEHOME>/tsam10gR3/uninstall_tsam10gR3
```

The Oracle TSAM Uninstaller screen appears. Click *Uninstall* to start uninstalling Oracle TSAM. Click *Done* to complete the uninstallation.

See Also

- Oracle TSAM 10g Release 3 (10.3) Supported Platforms
- Oracle TSAM Deployment Guide

CHAPTER 3

Installing Oracle TSAM Using Console-Mode Installation

The following sections describe how to install Oracle TSAM using console-mode installation:

- What Is Console-Mode Installation?
- Installing on UNIX Platforms in Console Mode
- Uninstalling Oracle TSAM on UNIX Platforms in Console Mode

What Is Console-Mode Installation?

Console-mode installation is the text-based method of executing the Oracle Installation program. It can be run only on UNIX systems and is intended for UNIX systems with non-graphical consoles. Console-mode installation offers the same capabilities as graphics-based installation.

Installing on UNIX Platforms in Console Mode

Perform the following steps to install Oracle TSAM Manager and Agent software in console mode on a certified UNIX platform:

1. Log on as root.

   ```
   $ su -
   Password:
   ```

2. Execute the installation program in character-based mode by selecting the appropriate installation file for your platform.

   ```
   # sh <installer_name>.bin -i console
   ```

This command launches the installation script, which displays the following message:

```
Preparing to install...

Extracting the JRE from the installer archive...

Unpacking the JRE...

Extracting the installation resources from the installer archive...

Configuring the installer for this system's environment...
```

3. Press the Enter key to continue. If you are installing TSAM 10*g* Release 3 (10.3) installer, the following message is displayed:

```
===============================================================================

Introduction
------------

InstallAnywhere will guide you through the installation of

TSAM 10gR3.

This is the TSAM 10gR3 installer.
It is strongly recommended that you quit all programs before continuing
with this installation.

Respond to each prompt to proceed to the next step in the installation.
If you want to change something on a previous step, type 'back'.

You may cancel this installation by typing 'quit'.


===============================================================================
========
```

4. The next screen prompts you to choose the TSAM 10g Release 3 (10.3) install set.

```
===============================================================

Choose Install Set
------------------


Please Choose the Install Set to be installed by this installer.
->1- Full Install
2- Agent Install
3- Manager Install
```

```
ENTER THE NUMBER FOR THE INSTALL SET OR PRESS <ENTER> TO ACCEPT THE
DEFAULT:
```

5. If you select Full Install or Manager Install, you are asked:.

```
Do you want to install bundled Tomcat server?

    1- Install Tomcat

    2- Do not install Tomcat
```

If you select option 1, Tomcat is installed. Startup/shutdown scripts are provided for the bundled Tomcat as well. If you select option 2, Tomcat is not installed and you must manually deploy TSAM Manager on a Web container.

6. Oracle Home directory.

```
Oracle Home Directory Selection

-------------------------

    1- Choose existing Oracle Home directory

    2- Specify Oracle Home directory
```

If you select option 2, then you need to specify an Oracle Home directory. The path of this directory must be an absolute existing UNIX path name with write permission, otherwise, the following message is displayed:

```
Path must be absolute and have write permission!
```

7. Modify or change the default TSAM Oracle Manager installation folder.

```
Choose Install Folder

-----------------------

Where would you like to install?

    Default Install Folder: /apps/OracleHOmes/tsam10gR3

ENTER AN ABSOLUTE PATH, OR PRESS <ENTER> TO ACCEPT THE DEFAULT:
```

8. "If a previous installation is detected, the Overwrite screen appears.

```
The following TSAM 10gR3 feature is found under /apps/OracleHomes/tsam10gR3

...

Do you want to overwrite it?

      1- No

      2- Yes
```

9. Review the pre-installation summary information. The pre-installation summary includes the following details:

```
Pre-Installation Summary
------------------------
Please Review the Following Before Continuing:

Product Name:
    TSAM 10gR3
Install Folder:
 /apps/OracleHomes/tsam10gR3

Disk Space Information (for Installation Target):
    Required:  71,850,401 bytes
    Available: 19,094,890,496 bytes

PRESS <ENTER> TO CONTINUE:
```

10. Review the information and press Enter to start the installation. Once the installation is complete, the following message is displayed:

```
Installation Complete
---------------------
Congratulations. TSAM 10gR3 has been successfully installed to:
/apps/OracleHomes/tsam10gR3

PRESS <ENTER> TO EXIT THE INSTALLER:
```

    Press Enter to exit the installer.

Uninstalling Oracle TSAM on UNIX Platforms in Console Mode

To uninstall Oracle TSAM on a UNIX platform:

1. Change to your uninstall directory using the following command:

   ```
   > cd /apps/OracleHomes/tsam10gR3/uninstall_tsam10gR3/
   ```

2. Start the uninstallation program with the following command:

   ```
   ./uninstall_tsam10gR3 -i console
   ```

   Listing 3-1 displays an Oracle TSAM Oracle uninstallation.

Listing 3-1 UNIX Uninstallation Example

```
Uninstall TSAM 10gR3
---------------
About to uninstall...
TSAM 10gR3
This will remove features installed by InstallAnywhere.  It will not remove
files and folders created after the installation.
PRESS <ENTER> TO CONTINUE:
ENTER THE NUMBER FOR YOUR CHOICE, OR PRESS <ENTER> TO ACCEPT THE DEFAULT:
       ->1- Completely remove all features and components.
       2- Choose specific features that were installed by InstallAnywhere.
Please choose one of the following options:
Choose Product Features
----------------------
ENTER A COMMA_SEPARATED LIST OF NUMBERS REPRESENTING THE FEATURES YOU WOULD
LIKE TO SELECT, OR DESELECT. TO VIEW A FEATURE'S DESCRIPTION, ENTER
'?<NUMBER>'.  PRESS <RETURN> WHEN YOU ARE DONE:

              1- [X] TSAM Agent
              2- [X] TSAM Manager

Uncheck the features that you want to uninstall. Checked features will
remain installed.
```

3. When the uninstall program is finished, the Uninstall Complete screes appears.

```
Uninstall Complete
------------------
```

```
All items were successfully uninstalled.
```

See Also

- Oracle TSAM 10g Release 3 (10.3) Supported Platforms
- Oracle TSAM Deployment Guide

CHAPTER 4

Installing Oracle TSAM Using Silent Installation

The following sections describe how to install Oracle TSAM using silent mode installation on both Windows and UNIX systems:

- Preparing for Silent Mode Installation
- Creating a Silent Mode Installation Template File
- Installing Oracle TSAM on Windows
- Verifying Silent Mode Installation

Preparing for Silent Mode Installation

Before you install Oracle TSAM, complete the following tasks.

- Verify that enough disk space is available.
- Verify the login ID has proper permission for silent installation.
- Create a template file containing the required keyword settings.

Note: If you install TSAM 10*g* Release 3 (10.3) in silent mode, then you must uninstall it in silent mode.

Creating a Silent Mode Installation Template File

To create a template file for use in the silent installation process, you must use the keywords listed in Table 4-1.

Table 4-1 Template File Keywords

For This Keyword . . .	Enter the Following Value . . .
`INSTALLER_UI=` `(UNIX and Windows)`	The mode of installation. The default is `silent`; do not modify this value.
`ORACLEHOME=` `(UNIX and Windows)`	The full pathname of the Oracle Home directory of your choice.
`USER_INSTALL_DIR=` `(UNIX and Windows)`	The full pathname of the directory where you want to install Oracle TSAM 1.1 on your computer.
`CHOSEN_INSTALL_SET`	Select the TSAM 10*g* Release 3 (10.3) install set: "Full", "Agent", or "Manager." **Note:** TSAM install set input is case sensitive. If entered incorrectly, the "Full" installation set is selected by default.
`INSTALLTOMCAT`	Install Tomcat server.
`OVERWRITE=yes|no` `(UNIX and Windows)`	If you are using silent mode installation over an existing version of Oracle TSAM, you must add this line to your template file. This is a case-sensitive keyword; the value must be lowercase. Any value other than "`yes`" will not overwrite the existing Oracle TSAM version and cancels the installation.

Sample UNIX Template

For TSAM Manager:

```
INSTALLER_UI=silent
ORACLEHOME=/apps/OracleHomes
USER_INSTALL_DIR=/apps/OracleHomes/tsam
CHOSEN_INSTALL_SET=Full
INSTALLTOMCAT=yes
OVERWRITE=yes
```

Sample Windows Template

```
INSTALLER_UI=silent
ORACLEHOME=c:\\OracleHomes
USER_INSTALL_DIR =c:\\OracleHomes\\tsam
CHOSEN_INSTALL_SET=Full
INSTALLTOMCAT=yes
OVERWRITE=yes
```

Installing Oracle TSAM on UNIX

To invoke the silent mode installation procedure for TSAM 10*g* Release 3 (10.3) Manager on a UNIX system, execute the following steps:

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

  ```
  sh  installer_name.bin  –f path/installer.data
  ```

  In the previous command, *`path`* is the full path to the variable data file and *`installer.data`* is the data file containing the required variables.

Installing Oracle TSAM on Windows

To invoke the silent installation procedure for TSAM 10*g* Release 3 (10.3) Manager on a Windows system, execute the following steps:

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

  ```
  <installer_name> –f <path>\installer.data
  ```

  In the previous command, *`path`* is the full path to the variable data file and *`installer.data`* is the data file containing the required variables.

An initial window appears indicating that the installer is running. The amount of time to install in silent mode is approximately the same as interactive mode.

Verifying Silent Mode Installation

You can verify successful silent mode installation by checking the installed directory to see if all the Oracle TSAM binaries are listed.

If silent mode installation failed, check the following log files:

Windows:

```
%USERPROFILE%\tsam_silent_install.log
```

UNIX:

```
$HOME/TSAM10gR3_silent_install.log
```

- Oracle TSAM 10g Release 3 (10.3) Supported Platforms
- Oracle TSAM Deployment Guide

CHAPTER 5

Post Oracle TSAM Installation

The following sections describe post-installation tasks for Oracle TSAM.

- Post-Installation Tasks for Oracle TSAM 10g Release 3 (10.3)
- Post-Installation TSAM Directory Structure

Post-Installation Tasks for Oracle TSAM 10*g* Release 3 (10.3)

After Oracle TSAM installation has completed, refer to Oracle TSAM Deployment Guide to deploy Oracle TSAM.

Post-Installation TSAM Directory Structure

After Oracle TSAM installation has completed, the following directories are placed in the TSAM installation directory (for example, /apps/OracleHomes/tsam):

- `/apache-tomcat-5.5.17: Apache Tomcat bundled installation (optional)`
- `/apache-tomcat-5.5.17/webapps/tsam.war: TSAM application in the bundled Tomcat`
- `/bin: shell script files to start and stop TSAM`
- `/jre: Java run-time environment`
- `/sql: SQL files to create database schema`
- `/logs: TSAM log files (only with Tomcat installed)`

- `/uninstll_tsam10gR3: uninstaller files`

See Also

- Oracle TSAM 10g Release 3 (10.3) Supported Platforms
- Oracle TSAM Deployment Guide

APPENDIX A

Oracle TSAM 10*g* Release 3 (10.3) Supported Platforms

Oracle TSAM Agent Supported Platforms

Oracle TSAM 10*g* Release 3 (10.3) Agent supports all the Tuxedo 10*g* Release 3 (10.3) GA platforms. For more information, see Tuxedo 10*g* Release 3 (10.3) Platform Data Sheets.

Oracle TSAM Manager Supported Platforms

Supported Operating System Platforms

Table A-1 lists the Oracle TSAM 10*g* Release 3 (10.3) Manager supported operating system platforms.

Table A-1 Oracle TSAM 10*g* Release 3 (10.3) Manager Supported Operating System Platforms

Platform	GA Port/ Post-GA Port & Certification	Release Date	OS EOL Date
HP-UX 11i v2 (64-bit) on Itanium	GA	2009.01.15	TBD
HP-UX 11i v2 (64-bit) on PA-RISC	GA	2009.01.15	TBD
IBM AIX 5.3 (32-bit) on IBM PowerPC	GA	2009.01.15	TBD
IBM AIX 5.3 (64-bit) on IBM PowerPC	GA	2009.01.15	TBD

Table A-1 Oracle TSAM 10*g* Release 3 (10.3) Manager Supported Operating System Platforms

Platform	GA Port/ Post-GA Port & Certification	Release Date	OS EOL Date
IBM AIX 6.1 (32-bit) on IBM PowerPC	GA	2009.01.15	TBD
IBM AIX 6.1 (64-bit) on IBM PowerPC	GA	2009.01.15	TBD
Microsoft Windows 2003 Server (32-bit) on x86	GA	2009.01.15	TBD
Novell SUSE Linux Enterprise Server 10 (64-bit) on x86-64	GA	2009.01.15	TBD
Oracle Enterprise Linux 5.0 on x86 (32-bit)	Post-GA	2009.03.05	TBD
Oracle Enterprise Linux 5.0 on x86-64 (64-bit)	GA	2009.01.15	TBD
Sun Microsystems Solaris 10 (32-bit) on SPARC	GA	2009.01.15	TBD
Sun Microsystems Solaris 10 (64-bit) on x86-64	GA	2009.01.15	TBD
Sun Microsystems Solaris 10 (64-bit) on SPARC	GA	2009.01.15	TBD

Minimum Disk Space and RAM Requirements

TSAM Agent

Minimum Disk Space: 325MB

Minimum RAM: 6.5MB

TSAM Manager

Minimum Disk Space: 377MB

Minimum RAM: 618MB

Supported Web Containers

Oracle TSAM 10*g* Release 3 (10.3) Manager supports the following Web Containers:

- Oracle WebLogic Server 10*g* Release 3 (10.3)

- Oracle OC4J 10*g* Release 3 (10.1.3)
- Apache Tomcat 5.5

JDK 1.5 and 1.6 are supported.

Supported DBMS

Oracle TSAM 10*g* Release 3 (10.3) Manager supports the following Database Management Systems:

- Oracle Database 10*g* and 11*g*
- Apache Derby 10.2.2.0