Oracle® Tuxedo

Installing the Oracle Tuxedo Application Runtimes

Release 22c

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Oracle Tuxedo Installing the Oracle Tuxedo Application Runtimes, Release 22c

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Preface

The Oracle Tuxedo Application Runtime Installation Guide describes installation processes and commands required to run the Tuxedo ART.

- Documentation Accessibility

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1
Preparing to Install the Oracle Tuxedo Application Runtimes

The following sections provide information that you require to know before installing the Oracle Tuxedo Application Runtimes 22c Release 1 (22.1.0.0.0) product software:

- Oracle Universal Installer (OUI)
- Oracle Tuxedo Software Components
- Hardware and Software Prerequisites
- Oracle Installation Program
- Installation Road Map

1.1 Oracle Universal Installer (OUI)

The Oracle Tuxedo Application Runtime 22c Release 1 (22.1.0) product software installer is based on the Oracle Universal Installer (OUI). To install the Oracle Tuxedo Application Runtime 22c Release 1 (22.1.0) 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
- Special Instructions for UNIX Users
- About Oracle Universal Installer Log Files
- Oracle Internationalization

1.1.1 Modes of Installation

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

Console:
Use OUI console mode to bypass the graphical user interface and execute the Oracle Installation program with a console interactive interface. This method is intended for UNIX systems with non-graphical consoles.

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 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
- Providing a UNIX Installer Location with Root Privileges
- Providing a UNIX Group Name

1.1.2.1 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.

1.1.2.2 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.

1.1.2.3 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.

1.1.3 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.

1.1.4 Oracle Internationalization

- [Installation Dialogs Language](#)

1.1.4.1 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 Oracle Tuxedo Software Components

Included with the Oracle Tuxedo Application Runtime 22c Release 1 (22.1.0) software distribution is the Oracle Tuxedo Application Runtimes administrative utilities and Oracle Tuxedo Application Runtimes sample applications (optionally installed).

The Oracle Tuxedo Application Runtime 22c Release 1 (22.1.0) distribution contains the following components:

- Oracle Tuxedo Application Runtime 22c Release 1 (22.1.0)
- Oracle Tuxedo Application Runtime for CICS (22.1.0)
- Oracle Tuxedo Application Runtime for Batch (22.1.0)
- Oracle Tuxedo Application Runtime for IMS (22.1.0)

1.3 Hardware and Software Prerequisites

The Oracle Tuxedo Application Runtimes must be installed into an Oracle Home which has already installed Oracle Tuxedo Server component.

- System Requirements
- Software Requirements
- Temporary Storage Space Requirements

1.3.1 System Requirements

The system requirements for Oracle Tuxedo Application Runtimes 22c Release 1 (22.1.0.0.0) are given in the following table.

Table 1-1   The System Requirements for Oracle Tuxedo Application Runtimes 22c Release 1 (22.1.0.0.0)

Component	Requirement
Platform*	Any platform identified in *Supported Platforms*

Table 1-1   (Cont.) The System Requirements for Oracle Tuxedo Application Runtimes 22c Release 1 (22.1.0.0.0)

Component	Requirement
Hard disk drive	As stated in the data sheet for the target platform in *Supported Platforms*
Memory	As stated in the data sheet for the target platform in *Supported Platforms*

> ✎ **See Also:**
>
> Supported Platforms

1.3.2 Software Requirements

Java Runtime Environment (JRE) 1.8 is required to install Oracle Tuxedo Application Runtimes. You need to install the required JRE and set the environment variable JAVA_HOME accordingly before installing Oracle Tuxedo Application Runtimes.

1.3.3 Temporary Storage Space Requirements

The Oracle Installation program uses a temporary directory in which it extracts the files from the archive that are needed to install Oracle Tuxedo Application Runtimes on the target system. The amount of temporary storage space needed depends upon the target platform, as stated in the data sheets in Supported Platforms.

When you start OUI, it automatically copies specific executable files and link files into the default /tmp directory on the machine. If the machine is set to run cron jobs periodically (along with many other processes that may be running), these jobs attempt to clean up the default temporary directory, thereby deleting some files and causing OUI to fail.

To ensure there is adequate temporary space, you may want to allocate an alternate directory for use as a temporary directory for the installation. If there are any cron jobs or processes that are automatically run on the machines to clean up the temporary directories, ensure you set the TMP or TEMP environment variable to a different location (other than the default location) that is secure on the hard drive (meaning a location on which the cleanup jobs are not run). Also ensure that you have write permissions on this alternative TEMP directory. This must be done before you execute runInstaller.sh.

> ✎ **Note:**
>
> Specifying an alternative temporary directory location is not mandatory, and is required only if any cron jobs are set on the computers to clean up the /tmp directory.

1.4 Oracle Installation Program

The Oracle Tuxedo Application Runtimes 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 Tuxedo Application Runtimes software on UNIX systems.

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1.4.1 Cancelling Installation

Click "Cancel" or the "Close' window button in GUI mode causes an incomplete Oracle Tuxedo Application Runtimes 22c Release 1 (22.1.0.0.0) installation. You will have to re-install Oracle Tuxedo Application Runtimes 22c Release 1 (22.1.0.0.0) .

If you installed Oracle Tuxedo Application Runtimes 22c Release 1 (22.1.0.0.0) in a previous Tuxedo product directory, and you want to return to your original configuration, you must re-install your previous Oracle Tuxedo Application Runtimes version.

1.4.2 Install Types

An install type is a bundle of product software components related by function. Oracle Tuxedo Application Runtime 22c Release 1 (22.1.0) offers the following five install types:

- • Full Install - consists of all the Oracle Tuxedo Application Runtime 22c Release 1 (22.1.0) components.
- • CICS Runtime Install - consists of the Oracle Tuxedo Application Runtime for CICS 22c Release 1 (22.1.0) component.
- • Batch Runtime Install - consists of the Oracle Tuxedo Application Runtime for Batch 22c Release 1 (22.1.0) component.
- • IMS Runtime Install - consists of the Oracle Tuxedo Application Runtime for IMS 22c Release 1 (22.1.0) component.
- • Custom Install

In addition to selecting an install set during an Oracle Tuxedo Application Runtime 22c Release 1 (22.1.0) installation, a user can further customize the installation by selecting (adding) or deselecting (deleting) one or more software components from the install set. Customizing is only possible for GUI-mode installation methods described in Installing Oracle Tuxedo Application Runtimes Using GUI-Mode Installation.

1.5 Installation Road Map

You are now ready to begin your installation. To install Oracle Tuxedo Application Runtimes 22c Release 1 (22.1.0.0.0) , see one of the following sections:

If you want to uninstall your Oracle Tuxedo Application Runtimes software, see Performing Post-Installation Tasks.

2

Installing Oracle Tuxedo Application Runtimes Using GUI-Mode Installation

The following sections describe how to install Oracle Tuxedo Application Runtimes using graphical user interface (GUI) mode installation on UNIX systems:

- What Is GUI-Mode Installation?
- Starting GUI-Mode Installation on a UNIX System
- Running 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 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. Not all consoles for UNIX systems support Java-based GUIs.

> ✎ **Note:**
>
> To install Oracle Tuxedo Application Runtimes on a UNIX system with a non-graphics console, use silent install mode.

2.2 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 described in Supported Platforms.

2. Log in to the UNIX system as the Oracle Tuxedo Application Runtimes administrator.

3. Ensure that you have enough free space for the Oracle Tuxedo Application Runtimes installation.
   For disk space requirements, see Supported Platforms.

4. Install Oracle Tuxedo Application Runtimes by downloading from the Oracle Web site:

   a. Go to http://www.oracle.com/technology/software/index.html and download the Oracle Tuxedo Application Runtimes 22c 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 `runInstaller.sh` to invoke the installation procedure.

> **Note:**
>
> GUI mode is the default for Oracle Tuxedo Application Runtimes 22c
> Release 1 (22.1.0.0.0) 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 may use
> console mode or silent mode installation. For more information, see What Is
> Console-Mode Installation and What Is Silent Installation?.

5. Proceed to Running GUI-Mode Installation.

2.3 Running GUI-Mode Installation

The Oracle Tuxedo Application Runtimes installer program prompts you to enter specific
information about your system and configuration. For instructions on responding to the prompts
during installation, see the following table.

Table 2-1   Instructions

In this Window. . .	Perform the Following Action . . .
Welcome	Click **Next** to proceed with the installation. You may cancel the installation at any time by clicking Cancel.
Specify Inventory directory (UNIX only)	On UNIX operating systems, 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.
Choose Install type	Select the install type that you want installed on your system. The following five choices are available: • Full Install (the default) - all the Oracle Tuxedo Application Runtimes. • CICS Runtime Install - consists of the Oracle Tuxedo Application Runtime for CICS component. • Batch Runtime Install - consists of the Oracle Tuxedo Application Runtime for Batch component. • IMS Runtime Install - consists of the Oracle Tuxedo Application Runtime for IMS component. • Custom Install. For a detailed list of software components for each install type, see Install Types. Select an install type and then click Next to launch the Choose Oracle Home Directory window-your selection. Or select an install type and then click Customize to launch the Customize Install window.

Table 2-1   (Cont.) Instructions

In this Window. . .	Perform the Following Action . . .
Specify Oracle Home	Name: Enter a name for the Oracle home. This 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. Enter the full path to an Oracle home, or select an Oracle home from the drop-down list of existing Oracle homes. The Oracle home location is the directory where products are installed. Data files may or may not be installed within an Oracle home. You can use the Browse button to choose a directory to install your product. Different homes cannot share the same location.
	Oracle Tuxedo Application Runtimes Installation Directory is "$ORACLE_HOME/art22.1.0.0.0" by default (UNIX) and cannot changed after the ORACLE_HOME is determined. The installer doesn't allow installation of two versions of the same tuxedo product into the same ORACLE_HOME. The RP013 must be installed over Tuxedo22c to install ART22c.
	If the selected ORACLE_HOME already had the same version Oracle Tuxedo Application Runtimes installed, the installer will show a warning.
	⚠ **WARNING:** Oracle Application Runtimes is installed,do you want to overwrite it(Y/N, default=N)?Y
	If the selected ORACLE_HOME does not include Tuxedo Server component, you cannot continue the installation.
Customize Install	Select (add) or deselect (clear) one or more software components from the selected install type, or choose one of the other four install types or Custom Set from the drop-down list menu and customize its software components. After selecting or deselecting one or more software components from the selected install set, click Next to continue with the installation.
Select samples installation	If the selected install feature sets include server component, this screen appears to confirm install the samples.
COBOL Compiler Selection	If the components that you selected include "*Oracle Tuxedo Application Runtime for CICS*" or "*Oracle Tuxedo Application Runtime for Batch*", you can choose any of following COBOL compiler: Micro Focus COBOL, COBOL-IT, or No COBOL.
COBOL Compiler Selection	If you choose "COBOL-IT", you will be required to specify the COBOL Compiler location (the default location is /opt/cobol-it-64).
Summary	Click Install to start the installation.
Installing	Nothing to do.
Install End	Click Exit to exit the installation program.

Congratulations! Your installation of the Oracle Tuxedo Application Runtimes software is complete!

3

Oracle Tuxedo Application Runtimes Console-Mode Installation

The following sections describe how to install Oracle Tuxedo Application Runtimes using console-mode installation:

- What Is Console-Mode Installation
- Installing on UNIX Platforms in Console Mode

3.1 What Is Console-Mode Installation

Console-mode installation is a text-based method for 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 GUI (graphical-based) installation.

3.2 Installing on UNIX Platforms in Console Mode

Perform the following steps to install Oracle Tuxedo Application Runtimes software in console mode on a certified UNIX platform:

1. Log on as root or another user with sufficient permissions.

2. Execute the installation program in character-based mode: `./runInstaller.sh -console`

3. The installation program runs and prompts you for responses as illustrated in the following Listing as an example.

Listing UNIX Console Mode Installation Example

```
./runInstaller.sh -console
========================================================================
Introduction
------------------
This shell script guides you through the installation and onfiguration of
your Oracle Products. Press "Enter" to accept the default and proceed to the
next screen.
Press "Enter" to continue:


========================================================================
Choose Inventory
-----------------


->1- Central Inventory
2- Private Inventory
0- Go back
```

```
Enter a number:
 /etc/oraInst.loc exists



================================================================================
 Select Installation Type
 Oracle Tuxedo Application Runtimes 22.1.0.0.0
 ------------------
 What type of installation do you want?

 ->1- Full Install
 2- CICS Runtime Install
 3- Batch Runtime Install
 4- IMS Runtime Install
 0- Go back


 Enter a number:



 ================================================================================
 Specify Home Details
 ------------------


 ->1- Use existing Oracle Home
 0- Go back


 Enter a number:

 Please choose number from the following Oracle Home List:
 1- /home/oracle/app/oracle/product/12.1.0/dbhome_1
 2- /home/oracle/oraHome/art
 0- Go back

 Enter a number: 2

 ================================================================================
 Samples Install Confirm
 ------------------


 Install Samples?

 ->1- Yes
 2- No
 0- Go back

 Enter a number:



 ================================================================================
 Cobol Compiler Selection
 ------------------


 Please select the default cobol compiler you are using(Note: Refer to the
```

```
install guide if you need to
switch the COBOL compiler after the installtion)

 ->1- Micro Focus Cobol
 2- COBOL-IT
 0- Go back


 Enter a number:



 ==============================================================================
 Pre-Installation Summary
 ------------------
 Install type: "Full Install"
 Install Folder: "/home/oracle/oraHome/art"

 ->1- Start installation
 0- Go back


 Enter a number:

 Starting Oracle Universal Installer...

Checking swap space: must be greater than 500 MB.   Actual 33535 MB     Passed

Preparing to launch Oracle Universal Installer from
/tmp/OraInstall2024-05-21_04-07-38PM. Please wait ...Oracle Universal
 Installer, Version 12.2.0.9.0 Production
Copyright (C) 1999, 2018, Oracle. All rights reserved.

You can find the log of this install session at:

 /home/oracle/app/oraInventory/logs/installActions2024-05-21_04-07-38PM.log
............................................................ 100% Done.


 Loading Product Information
............................................................ 100% Done.
 Analyzing dependencies
............................................................ 100% Done.
 ----------------------------------------------------------------------
 Summary
 Global Settings
     Source: /home/oracle/artinstaller/Disk1/install/../stage/products.xml
     Oracle Home: /home/oracle/oraHome/art (arthome)
     Installation Type: Full Install
 Product Languages
     English
 Space Requirements
     / Required 96MB (includes 13MB temporary) : Available 3.82GB
 New Installations (4 products)
    Oracle Tuxedo Application Runtimes 22.1.0.0.0
    Oracle Tuxedo Application Runtime for CICS 22.1.0.0.0
    Oracle Tuxedo Application Runtime for Batch 22.1.0.0.0
    Oracle Tuxedo Application Runtime for IMS 22.1.0.0.0
 Already Installed (4 products)
```

```
    Oracle Universal Installer 12.2.0.9.0
    Installer SDK Component 12.2.0.9.0
    oracle.swd.oui.core.min 12.2.0.9.0
 -----------------------------------------------------------------------
Installation in progress (Tuesday, May 21, 2024 4:07:43 PM UTC)
............................................................. 80% Done.
Install successful

Linking in progress (Tuesday, May 21, 2024 4:07:43 PM UTC)

Link successful

Setup in progress (Tuesday, May 21, 2024 4:07:43 PM UTC)
............................................................. 100% Done.
Setup successful

Saving inventory (Tuesday, May 21, 2024 4:07:43 PM UTC)
Saving inventory complete
Configuration complete

End of install phases.(Tuesday, May 21, 2024 4:07:43 PM UTC)
Starting to execute configuration assistants
Configuration assistant "PostInstall" succeeded
The installation of Oracle Tuxedo Application Runtimes was successful.
Please check
 '/home/oracle/app/oraInventory/logs/silentInstall2024-05-21_04-07-38PM.log
 ' for more details.
```

See Also: Performing Post-Installation Tasks.

4

Installing Oracle Tuxedo Application Runtimes Using Silent Installation

The following sections describe how to install Oracle Tuxedo Application Runtimes using silent installation on UNIX systems:

- What Is Silent Installation?
- Using Silent Installation: Main Steps

4.1 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 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.

4.2 Using Silent Installation: Main Steps

- Creating a Response File
- Installing with a Response File
- UNIX Template Sample File

4.2.1 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 UNIX systems.

- Using Record Mode
- Required Variables in Oracle Tuxedo Application Runtimes Response File

4.2.1.1 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 (`runInstaller.sh`) for your installation.

2. Enter the following command on UNIX:

```
./runInstaller.sh -record -destinationFile <response_file_name>
```

Replace the `<response_file_name>` with the complete path for the new response file. For example:

On UNIX:

```
./runInstaller.sh -record -destinationFile /private/temp/
artbase_Full_Install.rsp
```

3. Use the OUI user interface to select and record your installation options.

When the Summary page appears in the OUI, you may continue with the installation or exit. You can then use this response file to install ART Runtime on another machine.

OUI saves your new response file using the path and file name you specified on the command line.

4.2.1.2 Required Variables in Oracle Tuxedo Application Runtimes Response File

The variables defined in this section are specific for Tuxedo installer.

> **Note:**
>
> For String type variables, you must surround the value using the double quote.

ORACLE_HOME
The location where products are to be installed. You must enter a value for `ORACLE_HOME` for a complete silent installation.

ORACLE_HOME_NAME
The name of the current Oracle home. You must enter a value for `ORACLE_HOME_NAME` for a complete silent installation.

INSTALL_TYPE
You can set the installation type variable to determine the installation type of the currently selected top level component. `Install_type` can be selected from below table:

Install Type	Description
Full Install	This install type will install all of the Oracle Tuxedo Application Runtimes components.
CICS Runtime Install	This install type will install the Oracle Tuxedo Application Runtime for CICS component.

Install Type	Description
Batch Runtime Install	This install type will install the Oracle Tuxedo Application Runtime for Batch component.
IMS Runtime Install	This install type will install the Oracle Tuxedo Application Runtime for IMS component.
Custom Install	This install type will install the components selected by customer.

For more information, see Install Types.

SAMPLE_INSTALLED
If the install samples for ART products set it to true. It is required.

COBOL_COMPILER_TYPE
Configures the COBOL compiler type.

It keeps records for the default COBOL compiler type you are using.

If `artbatch` component is not selected and `artbatch` component is selected, the value can be "Micro-Focus-Cobol", "COBOL-IT", or "No-COBOL".

If `artcics` component is selected, the value can be "Micro-Focus-Cobol" or "COBOL-IT".

If only `artims` component is selected, it is not required.

COBOL_IT_DIR
Configures the full path of COBOL-IT installation directory.

It is required if `COBOL_COMPILER_TYPE` is "COBOL-IT".

4.2.2 Installing with a Response File

Many Oracle software products provide tools and procedures for running OUI from the command line without displaying OUI screens or responding to questions during the installation.

This is called silent installation.

Instead of prompting you to select a series of installation options, OUI installs the software using a predefined set of options. These options are stored in a response file (`.rsp`).

> **✎ Note:**
>
> If you attempt to perform a silent installation on a UNIX computer where no Oracle products have been installed, you will receive an error message. Before you can perform a silent installation in this situation, you must first run the `oraInstRoot.sh` script located in the `oraInventory` directory. You must run this script with root privileges. This enables OUI to set up the Central Inventory on a clean host.

- Specifying a Response File
- Optional Parameters When Specifying a Response File

4.2.2.1 Specifying a Response File

To start OUI and specify the response file, enter the following command on the command line in the directory where the executable file is installed:

On UNIX:

```
./runInstaller.sh -responseFile <filename> <optional_parameters>
```

> **✎ Note:**
>
> - To install Oracle Tuxedo Application Runtimes in complete silent mode, you must specify `<optional_parameters>` to `-silent`.
> - You must specify the complete `responseFile` path. If you do not, OUI assumes the location is relative to the `oraparam.ini` file associated with the launched OUI.

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

On UNIX:

```
./runInstaller.sh –help
```

4.2.2.2 Optional Parameters When Specifying a Response File

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

- `-nowelcome` - Use the `-nowelcome` flag with the `-responseFile` flag to suppress the Welcome dialog that appears during installation.
- `-silent` - Use the `-silent` flag with the `-responseFile` flag to run OUI in complete silent mode. Note that the Welcome dialog is suppressed automatically.
- `-waitforcompletion` - Use the `-waitforcompletion` flag with `-silent` flag to wait for completion instead of spawning the java engine and exiting.
- In a file named `silentInstall<timestamp>.log` for hosts without an Oracle inventory. This file is generated in the `/tmp` directory on UNIX platforms.
- In the inventory logs directory for hosts that already had an inventory.

> **✎ Note:**
>
> Using the `-nowelcome` option with the `-silent` option is unnecessary since the Welcome screen does not appear when you use the `-silent` option.

4.2.3 UNIX Template Sample File

This sample UNIX response file in the following listing applies to a silent installation of Oracle Tuxedo Application Runtimes 22c Release 1 (22.1.0.0.0) .

ORACLE

Listing UNIX response File

```
###############################################################
## Copyright (c) 1999, 2024 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="wheel"



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

#------------------------------------------------------------------------------
--
  FROM_LOCATION="/scratch/tmp/Disk1/install/../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="/scratch/tmp/OraHome_22"


#------------------------------------------------------------------------------
--
    #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="OUIHome_22"


#------------------------------------------------------------------------------
--
      #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=false



#------------------------------------------------------------------------------
--

      #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=false



#------------------------------------------------------------------------------
--

      #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=false



#------------------------------------------------------------------------------
--

      #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=false



#------------------------------------------------------------------------------
--

      #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=false



#------------------------------------------------------------------------------
--

        #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=false



#------------------------------------------------------------------------------
--

        #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=false



#------------------------------------------------------------------------------
--

        #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=false



#------------------------------------------------------------------------------
--
      #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=false



#------------------------------------------------------------------------------
--
      #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=false



#------------------------------------------------------------------------------
--
      #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=false



#------------------------------------------------------------------------------
--
      #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 = {"artbase","22.1.0.0.0"}

#------------------------------------------------------------------------------
--
        DEINSTALL_LIST={"artbase","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=false


#------------------------------------------------------------------------------
--
        #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=false


#------------------------------------------------------------------------------
--
        #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=""


#------------------------------------------------------------------------------
--
            #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 = {"artbase","22.1.0.0.0"}

#-----------------------------------------------------------------------
--
            TOPLEVEL_COMPONENT={"artbase","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=false



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

#-------------------------------------------------------------------------
--

                SELECTED_LANGUAGES={"en"}



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

#-------------------------------------------------------------------------
--

                COMPONENT_LANGUAGES={"en"}



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

#-------------------------------------------------------------------------
--

                INSTALL_TYPE="Full Install"



#-------------------------------------------------------------------------
--
                #Name : SAMPLE_INSTALLED
                #Datatype : Boolean
```

```
                #Description: true if it install samples for art
                #Component : artbase


#-------------------------------------------------------------------------
--

                SAMPLE_INSTALLED=true


#-------------------------------------------------------------------------
--
                #Name : COBOL_COMPILER_TYPE
                #Datatype : String
                #Description: It keeps record the default Cobol compiler
you are using, it is keyword for slient mode
                #Component : artbase

#-------------------------------------------------------------------------
--

                COBOL_COMPILER_TYPE="Micro-Focus-Cobol"


#-------------------------------------------------------------------------
--
                #Name : COBOL_IT_DIR
                #Datatype : String
                #Description: the directory of cobol-it compiler, it is
keyword for slient mode
                #Component : artbase

#-------------------------------------------------------------------------
--

                COBOL_IT_DIR=""
```

5

Performing Post-Installation Tasks

The following sections describe the tasks you perform after installing Oracle Tuxedo Application Runtimes:

- Understanding the Oracle Tuxedo Application Runtimes Directory Structure
- Installation Verification
- Switch COBOL Compiler
- Uninstalling Oracle Tuxedo Application Runtimes

5.1 Understanding the Oracle Tuxedo Application Runtimes Directory Structure

During the Oracle Tuxedo Application Runtimes software installation, all files are decompressed within the installation directory.

The following table lists Oracle Tuxedo Application Runtimes directories and files under installed directory `$ORACLE_HOME/art22.1.0.0.0`.

Table 5-1   Oracle Tuxedo Application Runtimes Directory and File Structure

Directory Name	Description
`Cics_RT`	`Cics_RT` is one of these directories: • `Cics_RT_MF` • `Cics_RT_CIT`
`Cics_RT/bin`	CICS Runtime binaries.
`Cics_RT/cpylib`	CICS Runtime Copies.
`Cics_RT/lib`	CICS Runtime libraries.
`Cics_RT/objs`	CICS Runtime objective files.
`Cics_RT/sample`	CICS Runtime samples. Optional install.
`Cics_RT/sysmap`	CICS Runtime system MAP definitions.
`Cics_RT/coblib`	Directory for COBOL programs and libraries.
`Cics_RT/tools`	CICS Runtime utilities.
`Batch_RT`	Directory for Batch Runtime.

`Batch_RT/ejr`	Batch Runtime Execution Engine. It is one of the following directories.
	`Batch_RT/ejr_mf_ora`
	`Batch_RT/ejr_mf_db2`
	`Batch_RT/ejr_cit_db2`
	`Batch_RT/ejr_cit_ora`
	`Batch_RT/ejr_nocbl`

`Batch_RT/ejr*/COBOL_MF`	Batch Runtime Execution Engine components depending on Micro Focus COBOL.

Table 5-1   (Cont.) Oracle Tuxedo Application Runtimes Directory and File Structure

Directory Name	Description
`Batch_RT/ejr*/COBOL_IT`	Batch Runtime Execution Engine components depending on COBOL-IT.
`Batch_RT/ejr*/COBOL_NONE`	Batch Runtime Execution Engine components independent of COBOL.
`Batch_RT/ejr*/COMMON`	Batch Runtime Execution Engine common components.
`Batch_RT/ejr*/CONF`	Batch Runtime Execution Engine configuration files.
`Batch_RT/ejr*/DB_ORACLE`	Batch Runtime Execution Engine components depending on Oracle Database.
`Batch_RT/ejr*/DB_DB2LUW`	Batch Runtime Execution Engine components depending on DB2 Database.
`Batch_RT/ejr*/GENERATION_FILE`	Batch Runtime Execution Engine components managing the generation groups.
`Batch_RT/ejr*/GENERATION_FILE_ DB`	Batch Runtime Execution Engine components managing the generation groups, based on DB.
`Batch_RT/ejr*/SAMPLE`	Batch Runtime Execution Engine samples. Optional install.
`Batch_RT/ejr*/SORT_MicroFocus`	Batch Runtime Execution Engine components depending on MFSORT.
`Batch_RT/ejr*/SORT_SyncSort`	Batch Runtime Execution Engine components depending on SyncSort.
`Batch_RT/ejr*/SORT_MFSyncSort`	Batch Runtime Execution Engine components depending on MFSyncSort.
`Batch_RT/ejr*/SORT_CIT`	Batch Runtime Execution Engine components depending on CITSORT.
`Batch_RT/bin`	Batch Runtime TuxJES binaries.
`Batch_RT/include`	Batch Runtime TuxJES header files.
`Batch_RT/lib`	Batch Runtime TuxJES libraries.
`Batch_RT/locale`	Batch Runtime TuxJES locales.
`Batch_RT/sample`	Batch Runtime TuxJES locales.
`Batch_RT/udataobj`	Batch Runtime TuxJES facilities.
`IMS_RT/artims.env`	IMS Runtime env.
`IMS_RT/bin`	IMS Runtime binaries.
`IMS_RTchgcobol.sh`	IMS Runtime change COBOL script.
`IMS_RTinclude`	IMS Runtime include file.
`IMS_RTlib`	IMS Runtime libraries.
`IMS_RTobj`	IMS Runtime objective files
`IMS_RTodbaproxy`	IMS Runtime odbaproxy.
`IMS_RT/samples`	IMS Runtime samples.
`IMS_RT/samples_ORA`	IMS Runtime samples_ORA.
`IMS_RT/syscfg`	IMS Runtime syscfg.
`IMS_RT/sysmap`	IMS Runtime system FMT and MSG files.
`IMS_RT/sysmap2`	IMS Runtime optimizable SIGNON MFS/FMT/MSG files.
`IMS_RT/tools`	IMS Runtime utilities.

Table 5-1   (Cont.) Oracle Tuxedo Application Runtimes Directory and File Structure

Directory Name	Description
IMS_RT/coblib_mf	IMS Runtime COBOL libraries for Micro Focus COBOL.
IMS_RT/coblib_cit	IMS Runtime COBOL libraries for COBOL-IT COBOL.

5.2 Installation Verification

Sample applications are provided for CICS Runtime, Batch Runtime Execution Engine, and Batch Runtime TuxJES, respectively; they can be used to verify the installation and to demonstrate the configuration. The Readme file in the samples provides guidance on how to execute the samples.

Before executing Oracle Tuxedo Application Runtimes, Oracle recommends you set unmask value as strict as possible.

5.3 Switch COBOL Compiler

To switch to COBOL-IT after installation, you must re-create the ejr symbol link to the appropriate directory if you did not select "COBOL-IT" as the default compiler during installation.

When using COBOL-IT and DB2 as an example, run the following commands for

```
cd <ART 22c installation>/Batch_RT
  # if ejr exists under Batch_RT
  rm ejr
  ln -s ejr_cit_db2 ejr
```

When using COBOL-IT for Cics_RT, run the following commands:

```
rm Cics_RT
ln -s Cics_RT_CIT Cics_RT
```

For example, if your COBOL-IT is installed at /opt/cobol-it-64, and Oracle Tuxedo Application Runtime for CICS and Batch is installed at /home/oracle/oraHome/art22.1.0.0.0, the command you need to run is:

```
ln -s /opt/cobol-it-64/bin/cobcrun
/home/oracle/oraHome/art22.1.0.0.0/Batch_RT/bin/cobrun
```

> **✎ Note:**
>
> After installing Oracle Tuxedo Application Runtime for IMS only, you can switch its COBOL compiler between Micro Focus COBOL and COBOL-IT by using chgcobol.sh.

5.4 Uninstalling Oracle Tuxedo Application Runtimes

- Uninstalling Oracle Tuxedo Application Runtimes in GUI-Mode
- Uninstalling Oracle Tuxedo Application Runtimes in Silent Mode

5.4.1 Uninstalling Oracle Tuxedo Application Runtimes in GUI-Mode

The following steps show the uninstallation process in GUI mode.

1. Invoke uninstall ART introduction panel
   Go to `<ORACLE_HOME>/oui/bin`, run "`runInstaller.sh`" on UNIX/Linux platform. You can completely remove Oracle Tuxedo Application Runtimes 22c Release 1 (22.1.0.0.0) just by clicking "Deinstall" Products.

2. Uninstalling panel
   Select products and click "Remove" to remove those products from your system.

3. Confirm panel To remove the products, click "Yes" in the following Confirmation dialog. Click "No" to cancel the removal.

4. Uninstall complete panel
   After uninstall finishes, this panel appears and reports whether it is successful.

5. Inventory panel
   Check the product list from Inventory, to determine if the product was uninstalled successfully.

5.4.2 Uninstalling Oracle Tuxedo Application Runtimes in 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:

```
./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:

```
./runInstaller.sh -deinstall -silent
"DEINSTALL_LIST={"artbase","22.1.0.0.0"}" ORACLE_HOME_NAME="OUIHome2"
```

A
Supported Platforms

The following table lists Oracle Tuxedo Application Runtimes 22*c* Release 1 (22.1.0.0.0) supported platforms.

Table A-1   Oracle Tuxedo Application Runtimes 22c Release 1 (22.1.0.0.0) Supported Platforms

Platform	Components	GA Port/	OS EOL
		Post-GA Port	Date
Oracle Linux 7 (64-bit) on x86-64	All	GA	December 2024
Oracle Linux 8 (64-bit) on x86-64	All	GA	July 2029

- Supported Platform Data Sheets
- Oracle Linux 7 (64-bit) on x86-64
- Oracle Linux 8 (64-bit) on x86-64

> **See Also:**
>
> For more information about Oracle Linux EOL policy, refer to Lifetime Support Policy: Coverage for Oracle Open Source Service Offerings.

A.1 Supported Platform Data Sheets

> **Note:**
>
> When using Micro Focus Visual COBOL 7.0: We recommend setting the COBOL runtime tunable parameter `subsystem_cancel_mode=1`, which specifies logical cancel with backward compatibility for transactions. See Micro Focus documentation Micro Focus Visual COBOL 7.0 for Eclipse for other available cancel modes.

A.2 Oracle Linux 7 (64-bit) on x86-64

Hardware Requirements for Oracle Linux 7 (64-bit)

- X86-64
- 1 GB of RAM minimum
- At least 12MB RAM for each Oracle Tuxedo Application Runtime server

Software Requirements for Oracle Linux 7 (64-bit)

Component	Requirement
OS Version (Patches)	Oracle Tuxedo 22c Release 1 (22.1.0.0.0) RP013 or later
C/C++ Compilers	gcc version 4.8.5 20150623 (Red Hat 4.8.5-4) (GCC)
COBOL Compiler	MicroFocus Visual COBOL 7, or COBOL-IT Enterprise Edition 3.21.0
SHELL	Korn shell complies with ksh88 (for example, PD KSH v5.2.14 or later)
Database	Oracle DB 19c, UDB 9.7, or UDB 11.5
IBM MQ	WebSphere MQ version 9.2

Disk Space Requirements for Oracle Linux 7 (64-bit)

For full install type, 132MB is the disk space requirement for installation on Oracle Linux 7 (64-bit) on x86-64 systems. For other install types, the disk space requirement will be less than 132MB.

Temporary Storage Space Requirements for Oracle Linux 7 (64-bit)

For all install types and components, 15MB is the minimum temporary storage space requirement for installation on Oracle Linux 8 (64-bit) on x86-64 systems. This requirement assumes installation of the default components for the selected install type

A.3 Oracle Linux 8 (64-bit) on x86-64

Hardware Requirements for Oracle Linux 8 (64-bit)

- X86-64
- 1 GB of RAM minimum
- At least 12MB RAM for each Oracle Tuxedo Application Runtime server

Software Requirements for Oracle Linux 8 (64-bit)

Component	Requirement
OS Version (Patches)	Oracle Tuxedo 22c Release 1 (22.1.0.0.0) RP013 or later
C/C++ Compilers	C/C++: gcc version 8.5.0 20210514 (Red Hat 8.5.0-4.0.1)
COBOL Compiler	MicroFocus Visual COBOL 7, or COBOL-IT Enterprise Edition 3.21.0
SHELL	Korn shell complies with ksh88 (for example, PD KSH v5.2.14 or later)
Database	Oracle DB 19c, UDB 9.7, or UDB 11.5
IBM MQ	WebSphere MQ version 9.2

ORACLE

Disk Space Requirements for Oracle Linux 8 (64-bit)

For full install type, 132MB is the disk space requirement for installation on Oracle Linux 8 (64-bit) on x86-64 systems. For other install types, the disk space requirement will be less than 132MB.

Temporary Storage Space Requirements for Oracle Linux 8 (64-bit)

For all install types and components, 15MB is the minimum temporary storage space requirement for installation on Oracle Linux 8 (64-bit) on x86-64 systems. This requirement assumes installation of the default components for the selected install type

Glossary

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