## Contents

### Installing the Oracle Tuxedo Mainframe Adapter for OSI TP Product

- Pre-Installation Considerations ...................................................... -1
- Configuring the Environment to Install TMA OSI TP ........................ -2
- Upgrading from eLink OSI TP 1.3 ................................................. -2
- Upgrading from eLink OSI TP 4.0 .................................................. -3
- Installing Oracle TMA OSI TP on UNIX Platforms in Console Mode ........ -3
  - Distribution Libraries and Executables for AIX ............................... -6
  - Distribution Libraries and Executables for Solaris ............................. -7
- Installing Oracle TMA OSI TP in Graphics Mode ............................ -8
  - Distribution Libraries and Executables for Windows 2003 Advanced Server -11
- Uninstalling Oracle TMA OSI TP on UNIX Platforms in Console Mode ........ -11
- Uninstalling Oracle TMA OSI TP in Graphics Mode .......................... -13
Installing the Oracle Tuxedo Mainframe Adapter for OSI TP Product

This section covers the following information:

- “Pre-Installation Considerations”
- “Installing Oracle TMA OSI TP on UNIX Platforms in Console Mode”
- “Installing Oracle TMA OSI TP in Graphics Mode”

Pre-Installation Considerations

Complete the following tasks prior to installing the TMA OSI TP product:

- Read the Oracle Tuxedo Mainframe Adapter for OSI TP Release Notes for supported platform information.
- Install and verify the operation of the Oracle Tuxedo product with the most recent patch level.

**WARNING:** If you fail to install the correct patch level of Tuxedo, the application may not work correctly. Refer to the Oracle Tuxedo Mainframe Adapter for OSI TP Release Notes for information on the correct patch level.

- On a UNIX operating system, if you are upgrading to Tuxedo10.0 from a previous version of Tuxedo, you must remove the old version of Tuxedo before you install Tuxedo 10.0 or you must install Tuxedo 10.0 in a different directory. Do not overwrite the old version of Tuxedo.
Configuring the Environment to Install TMA OSI TP

Before installing the TMA OSI TP product, you must ensure that the Oracle Tuxedo system is installed and configured properly for your environment. Refer to your Tuxedo documentation for more information about setting the Tuxedo environment variables.

A JDK is required by the InstallAnywhere installation product to install TMA OSI TP 10.0. A JDK is installed with Tuxedo 10.0. Verify that the system PATH environment variable is set to the correct version of the JDK installed by Tuxedo 10.0.

In addition to the Tuxedo environment variables, the TMA OSI TP system requires an additional environment variable, OSIRUNDIR, before you can boot the gateway or run the osiadmin utility. Refer to the Oracle Tuxedo Mainframe Adapter for OSI TP User Guide for more information about the osiadmin utility. If you do not set the OSIRUNDIR environment variable before you boot the gateway, you will receive a message telling you to set OSIRUNDIR. This environment variable specifies the path that the TMA gateway uses for runtime files. You can set the OSIRUNDIR environment variable through a script, a command line entry, or, for Windows 2003 operating systems, through the Windows System Properties in the Control Panel. The variable value should include the path and directory as appropriate for your operating system.

Upgrading from eLink OSI TP 1.3

If you are upgrading from eLink OSI TP 1.3 to Oracle Tuxedo Mainframe Adapter for OSI TP 10.0, you must modify your existing dmconfig file to be compatible with the new format. The osiadmin utility performs this upgrade automatically with the importcfg command. It is recommended that you use the osiadmin utility, but you may also upgrade by manually editing your dmconfig file. Refer to the Oracle Tuxedo Mainframe Adapter for OSI TP User Guide for more information about using the osiadmin utility and about manually editing the dmconfig file.

Oracle Tuxedo Mainframe Adapter for OSI TP 10.0 is a full replacement for eLink OSI TP 1.3 and the Unisys Protocol Stack (OSI TP and ULS). ULS on UNIX-based systems and Oracle Tuxedo Mainframe Adapter for OSI TP 10.0 both use port 102 by default. Consider this default setting when configuring the port number of your updated dmconfig file. Beginning with eLink OSI TP 4.1, you can configure a port number other than 102. This option allows you to run your eLink OSI TP 1.3 gateway while you are upgrading. If you will be using port 102 in your TMA OSI TP 10.0 dmconfig file, you must shutdown ULS before attempting to tmboot TMA OSI TP 10.0. If you are running eLink OSI TP 1.3, uninstall eLink OSI TP and the Unisys OSI TP protocol stack including the Unisys Upper Layer Services.
When you are upgrading from a previous release of the eLink OSI TP product, you must shut down all Domain administrative and gateway servers within an application domain, particularly the following:

- GWOSITP
- GWADM
- DMADM

**Upgrading from eLink OSI TP 4.0**

If you are upgrading from eLink OSI TP 4.0, you do not need to modify your `udmconfig` input file. Perform a `dmloadcf` of the `udmconfig` file to create the `dmconfig` binary file, `BDMCONFIG`. If you are running eLink OSI TP 4.0, uninstall eLink OSI TP 4.0.

**Note:** Beginning with eLink OSI TP 4.1, the version 4.0 `udmloadcf` utility, the BUDMCONFIG binary file and the eLink OSI TP Administrative Server UDADM no longer exist. The function performed by the version 4.0 `udmloadcf` command is now done by the `dmloadcf` command. The information contained in the version 4.0 BUDMCONFIG file is now incorporated within the BDMCONFIG file. If your `ubbconfig` contains the UDADM Server, delete it and perform a `tmloadcf` of the modified `ubbconfig` file.

**Installing Oracle TMA OSI TP on UNIX Platforms in Console Mode**

To install the Tuxedo Mainframe Adapter for OSI TP Gateway on non-mainframe UNIX in console mode, you run one of the following `.bin` programs as appropriate for your operating system:

<table>
<thead>
<tr>
<th>UNIX Platform</th>
<th>.bin File</th>
</tr>
</thead>
<tbody>
<tr>
<td>AIX 5.3</td>
<td><code>tmaosi100_32_aix_53_ppc.bin</code></td>
</tr>
<tr>
<td>Solaris</td>
<td><code>tmaosi100_32_sol_9_sp.bin</code></td>
</tr>
</tbody>
</table>

Perform the following steps to install the Tuxedo Mainframe Adapter for OSI TP software in console mode:

1. Insert the Tuxedo Mainframe Adapter for OSI TP CD-ROM in your CD device.
2. Log on as root.

```bash
$ su -
Password:
```

3. Mount the CD-ROM. Mount commands vary depending on your system configuration. Refer to your System Administrator for the specific command for your system. Use a command similar to the following example to mount the CD-ROM.

```bash
# mount -r -F cdfs /dev/cdrom/c1b0t010 /mnt
```

4. Change the directory to the `unix` directory on your CD-ROM device. For example,

```bash
# cd /mnt/
```

5. List the CD-ROM contents.

```bash
# ls
tmaosi100_32_aix_53_ppc.bin
tmaosi100_32_sol_9_sp.bin
tmaosi100_32_win_2k3_x86.exe
```

6. Execute the appropriate installation program for your operating system in character-based mode. For example, execute the AIX 53 program to install only the Tuxedo Mainframe Adapter for OSITP Gateway:

```bash
# sh tmaosi100_32_aix_53_ppc.bin -i console
```

7. The installation program runs and prompts you for responses (see Listing 0-1 for an example).

---

**Listing 0-1  UNIX Console Mode Installation Example, Gateway on AIX 53**

Preparing to install...
Preparing CONSOLE Mode Installation...

BEA Tuxedo Mainframe Adapter OSITP (created with InstallAnywhere by Zero G)

Introduction

InstallAnywhere will guide you through the installation of Tuxedo Mainframe Adapter for OSITP 10.0.

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 at any time by typing 'quit'.

PRESS <ENTER> TO CONTINUE: ENTER

==============================================================================
Choose BEA Home Directory
----------------------------
  1- Create a New BEA Home
  2- Use Existing BEA Home

Enter a number: 2
  1- /bea/
  2- /bea/tux100

Existing BEA Home: 2

==============================================================================
Pre-Installation Summary
-------------------------

Please Review the Following Before Continuing:

Product Name:
  Tuxedo Mainframe Adapter for OSI TP

Install Folder:
  /bea/tux100

Java VM to be Used by Installed Product:
  /bea/tux100/jre

Product Version
  10.0

Disk Space Information (for Installation Target):
  Required: 7,117,715 bytes
  Available: 531,012,902,912 bytes

PRESS <ENTER> TO CONTINUE: ENTER
Installing...
----------

[==================|==================|==================|==================]
[------------------|------------------|------------------|------------------]

Press <ENTER> to continue:

----------

Install Complete

----------

Congratulations. 'Tuxedo Mainframe Adapter for OSITP 10.0' has been successfully installed to:

/bea/tux100
PRESS <ENTER> TO EXIT THE INSTALLER: ENTER

Distribution Libraries and Executables for AIX

The TMA OSI TP CD-ROM contains the following libraries and executable programs for the AIX 5.3 operating system:

Table 1  TMA OSI TP Distribution Libraries for AIX 5.3

<table>
<thead>
<tr>
<th>Directory</th>
<th>Files</th>
</tr>
</thead>
<tbody>
<tr>
<td>/bin</td>
<td>getulogpfx</td>
</tr>
<tr>
<td></td>
<td>GWOSITP</td>
</tr>
<tr>
<td></td>
<td>osiadmin</td>
</tr>
<tr>
<td></td>
<td>osiltmain</td>
</tr>
<tr>
<td></td>
<td>portproxy</td>
</tr>
<tr>
<td></td>
<td>prdebuginfo</td>
</tr>
<tr>
<td></td>
<td>setPROXYpriv</td>
</tr>
<tr>
<td>/lib</td>
<td>libgwo.so</td>
</tr>
<tr>
<td></td>
<td>libnwunisys.so</td>
</tr>
<tr>
<td></td>
<td>libtasn1.so</td>
</tr>
</tbody>
</table>
Distribution Libraries and Executables for Solaris

The TMA OSI TP CD-ROM contains the following libraries and executable programs for the Solaris operating system:

Table 2  TMA OSI TP Distribution Libraries for Solaris

<table>
<thead>
<tr>
<th>Directory</th>
<th>Files</th>
</tr>
</thead>
</table>
| /bin      | getulogpfx
           | GWOSITP
           | osiadmin
           | osiltmain
           | portproxy
           | prdebuginfo
           | setPROXYpriv |
| /lib      | libgwo.so
           | libnwunisys.so
           | libtasnl.so |
Note: The $TUXDIR/bin/portproxy executable listens on privileged ports (< 1024) on behalf of GWOSITP. The script $TUXDIR/bin/setPROXYpriv is used to set the appropriate permissions. For UNIX platforms, please login as root and run setPROXYpriv manually after the installation.

### Installing Oracle TMA OSI TP in Graphics Mode

Perform the following steps to install the Tuxedo Mainframe Adapter for OSITP Gateway on a Windows or UNIX platform in Graphics Mode:

1. Insert the Tuxedo Mainframe Adapter for OSITP CD-ROM in your CD device.

2. Do one of the following, depending on your platform:

   **On Windows:**
   b. Click Browse to navigate to the CD-ROM drive.
   c. Select the tmaos100_32_win_2k3_x86.exe program.
   d. Click Open. The selected path and executable appear in the Run dialog.
   e. Click OK to begin the installation. The Introduction screen displays.

   **Note:** All screen illustrations in this section are for Windows 2003.

   **On UNIX:**
   a. Log on as root to install the Tuxedo Mainframe Adapter for OSITP software.

---

**Table 2  TMA OSI TP Distribution Libraries for Solaris**

<table>
<thead>
<tr>
<th>Directory</th>
<th>Files</th>
</tr>
</thead>
</table>
| /locale/C   | LIBGWO.text  
             | LIBGWO_CAT  
             | libnwunisys.cat |
| /udataobj   | gbebc2u.fld  
             | jbis82u.fld  
             | ksc2u.fld  
             | u2gbebc.fld  
             | u2jbis8.fld  
             | u2ksc.fld  |
b. Mount the CD-ROM. Mount commands vary depending on your system configuration. Refer to your System Administrator for the specific command for your system. Use a command similar to the following command to mount the CD-ROM on any UNIX system.

```bash
> mount -r -F cdfs /dev/cdrom/c1b0t010 /mnt
```

c. Change the directory on your CD-ROM device. For example,

```bash
> cd /mnt/
```

d. List the CD-ROM contents.

```bash
# ls
tmaosi100_32_aix_53_ppc.bin
tmaosi100_32_sol_9_sp.bin
tmaosi100_32_win_2k3_x86.exe
```

e. Execute the appropriate installation program for your operating system. For example, execute the AIX program:

```bash
/mnt/> sh tmaosi100_32_aix_53_ppc.bin
```

The Introduction screen displays.

3. Click Next to proceed with the installation. The Choose BEA Home Directory screen displays.

4. Select a New or Existing BEA Home option to specify the BEA Home directory (the default is `c:\bea`). The BEA Home directory is the root directory in which you install all Oracle products. This directory was set up when you installed Tuxedo.

If you want to create a new BEA Home directory, follow these steps:

a. Select the Create a New BEA Home option.

b. Accept the default location for your BEA Home directory or click Browse to specify a different location. If you accept the default location, your BEA Home directory will be `c:\bea`, and your Tuxedo Mainframe Adapter for OSI TP software default installation directory will be the Tuxedo 10.0 Home directory.

c. Click Next to proceed with the installation.

If you already have one or more BEA Home directories on your system, you can use one of those directories as follows:
a. Select the Use Existing BEA Home option.

b. Select a BEA Home directory from the list displayed to the right of the options. All valid BEA Home directories are displayed in this list. Valid BEA Home directories are directories where Oracle products have been installed using the standard installation program.

c. Click Next to proceed with the installation.

5. If the installation program encounters a previous version of Tuxedo Mainframe Adapter for OSITP in the selected BEA Home directory, the Previous Installation Found message box displays.

From this message box, do one of the following:
- Click Continue to install over the previous version.
- Click Cancel to return to the Choose BEA Home Directory Screen and select another directory.
- Click Exit to exit the installation program.

6. If you do not have a successful installation of Tuxedo 10.0 in the BEA Home directory, the Tuxedo 10.0 Not Found! message box displays.

From this message box, do one of the following:
- Click Exit to exit the installation program so you can install Tuxedo 10.0.
- Click Previous to return to the Choose BEA Home Directory Screen and select another directory.

7. If you have a successful installation of Tuxedo 10.0, the pre-installation Summary screen displays.

From this message box, do one of the following:
- Click Next to begin installing
- Click Previous to return to the Choose BEA Home Directory Screen and select another directory.

8. Then Installing Tuxedo Mainframe Adapter message screen displays.

9. After the product is installed, the Install Complete screen displays.

10. Click Done to exit the installation program.
Distribution Libraries and Executables for Windows 2003 Advanced Server

The TMA OSI TP CD-ROM contains the following libraries and executable programs for Windows 2003 operating systems. After installing the TMA OSI TP product, verify that these files and programs are installed on your system.

<table>
<thead>
<tr>
<th>Directory</th>
<th>Files</th>
</tr>
</thead>
<tbody>
<tr>
<td>/bin</td>
<td>DbgHelp.dll, gwo.dll, GWOSITP.exe, nwunisys.dll, osiadmin.exe, osilt.dll, osiltmain.exe, osiltpp.dll, osiltppmain.exe, osimsg.dll, Psapi.dll, tasn1.dll</td>
</tr>
<tr>
<td>/locale/C</td>
<td>LIBGWO.text, LIBGWO_CAT</td>
</tr>
<tr>
<td>/udataobj</td>
<td>gbebc2u.fld, jbis82u.fld, ksc2u.fld, u2gbebc.fld, u2jbis8.fld, u2ksc.fld</td>
</tr>
<tr>
<td>$TUXDIR/tma/osi/samples/simpapp</td>
<td>dmconfig, ubbsimple, tailor.txt</td>
</tr>
</tbody>
</table>

Uninstalling Oracle TMA OSI TP on UNIX Platforms in Console Mode

To remove Tuxedo Mainframe Adapter for OSITP from a UNIX platform:
1. Change directories to your `uninstaller_TMAOSI` directory with a command similar to the following example:
   ```
   > cd /bea/tux100/uninstaller_TMAOSI
   ```

2. Start the uninstall program with the following command:
   ```
   /bea/tux100/uninstaller_TMAOSI> sh UninstallTMAOSI -i console
   ```

   **Listing 0-1** displays a Tuxedo Mainframe Adapter for OSITP uninstallation.

   **Note**: The single-dash bar just beneath the double-dash bar in **Listing 0-1** is a progress indicator. When the single-dash bar becomes the same length as the double-dash bar, uninstallation is complete.

   **Listing 0-1**  UNIX Console Mode Uninstall Example

   ```
   Preparing CONSOLE Uninstall...
   BEA Tuxedo Mainframe Adapter for OSITP (InstallAnywhere Uninstaller by Zero G)
   Uninstall Tuxedo Mainframe Adapter for OSITP 10.0
   About to uninstall...
   BEA Tuxedo Mainframe Adapter for OSITP 10.0
   This will remove features installed by InstallAnywhere. It will not remove files and folders created after the installation.

   PRESS <ENTER> TO CONTINUE: <ENTER>
   Uninstalling...
   [==================|==================|==================|==================]
   [------------------|------------------|------------------|------------------]
   Uninstall Complete
   All items were successfully uninstalled.
   PRESS <ENTER> TO EXIT THE UNINSTALLER: <ENTER>
   ```
Uninstalling Oracle TMA OSI TP in Graphics Mode

Perform the following steps to remove the Tuxedo Mainframe Adapter for OSITP software from a Windows or UNIX platform:

Note: Make sure that TMA OSI TP is shut down before you uninstall.


2. Click Uninstall to start removing Tuxedo Mainframe Adapter for OSITP. When the process is complete, the Uninstall complete screen displays.

3. Click Exit to complete the uninstallation.

Note: Some files may not be removed because they are required for another Oracle product.