

# Oracle® Workflow

Client Installation Guide

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## Overview

This document explains how to install or upgrade the Oracle Workflow and Oracle XML Gateway client components available with Oracle E-Business Suite. Oracle Workflow and Oracle XML Gateway provide the following client components that are installed using the Oracle Universal Installer from the Start Here disk:

- Oracle Workflow Builder
- Oracle Workflow Common Files
- Oracle Workflow HTML help
- Oracle XML Gateway Message Designer
- Oracle XML Gateway Message Designer HTML help

The Oracle Universal Installer and this installation guide are included on the Start Here disk. The disk includes the following directory structure and files:

- **Oracle Universal Installer** -  
<drive\_letter>:\WFEMB\wfclnt26\install\win32\setup.exe
- **Installation Guide** - <drive\_letter>:\WFEMB\wfclnt26\wfinstcl.pdf,  
<drive\_letter>:\WFEMB\wfclnt26\wfinstcl\toc.htm

## Oracle Workflow Builder and Oracle XML Gateway Message Designer Hardware and Software Requirements

Oracle recommends that all components requiring direct connection to the Oracle E-Business Suite database be deployed on servers rather than on end user desktop clients. For the Oracle



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Workflow and Oracle XML Gateway client components, Oracle recommends that they be deployed in a remote server environment using either Windows Server Terminal Services, Citrix, or Tarantella. For more information, see: *Recommended Set Up for Client/Server Products with Oracle E-Business Suite 11i & R12* (My Oracle Support Document 277535.1).

Oracle Workflow Builder and Oracle XML Gateway Message Designer must be installed into an Oracle9i Release 2 (9.2) client Oracle Home directory. They require the following hardware and software configurations.

## Oracle Workflow Builder

Oracle Workflow Builder is a GUI tool that allows you to create and edit workflow definitions on a PC running Microsoft Windows. A workflow definition can be saved to a flat file or to your Oracle E-Business Suite database through Oracle Net. Oracle Workflow Builder requires the following:

- Oracle Net Client Version 9.2.0.1 or higher (included in the Oracle Workflow Builder installation)
- Required Support Files Version 9.2.0.1 or higher (included in the Oracle Workflow Builder installation)
- Microsoft Windows XP, Windows Vista, or Windows 7
- At least 65 Mb of available disk space to install Oracle Workflow Builder, Oracle Net, and Required Support Files
- At least 32 Mb of memory, 64 Mb recommended

**Note:** The Oracle TCP/IP Protocol Adapter requires and only supports the use of Microsoft's TCP/IP drivers.

## Oracle XML Gateway Message Designer

Oracle XML Gateway Message Designer is a wizard-guided, GUI-oriented, repository-based tool that allows you to create XML message maps on a PC running Microsoft Windows. Oracle XML Gateway Message Designer requires the following:

- Either JDK 1.1.8 or JRE 1.1.8 or higher (JRE 1.1.8 is included in the Message Designer installation)
- Microsoft Windows XP, Windows Vista, or Windows 7
- At least 15 Mb of available disk space to install Oracle XML Gateway Message Designer, HTML help, and JRE 1.1.8

## Installation Steps

Use Oracle Universal Installer to install Oracle Workflow Builder or Oracle XML Gateway Message Designer.

- To install on Microsoft Windows Vista or Windows 7, you must run the Oracle Universal Installer executable in Windows XP compatibility mode. You can either set the compatibility mode manually before running the installer, or let Windows set the compatibility mode when you begin running the installer, as described below. For more information, see: *Recommended Set Up for Client/Server Products with Oracle E-Business Suite 11i & R12* (My Oracle Support Document 277535.1).
- If you are installing products onto Windows Terminal Server and you are not using Remote Administration mode, you may first need to place the system into the Windows Terminal Server install mode. For more information, refer to your Windows Terminal Server documentation or see: *Recommended Set Up for Client/Server Products with Oracle E-Business Suite 11i & R12* (My Oracle Support Document 277535.1).

**Note:** Any variable input in the following commands is enclosed in brackets and is italicized. Replace these variables with the appropriate information specific to your environment.

### Step 1. Install Oracle Workflow Builder or Oracle XML Gateway Message Designer using the Oracle Universal Installer:

1. If you are installing on Microsoft Windows Vista or Windows 7 and you want to set Windows XP compatibility mode manually, perform these steps. Otherwise, skip to step 2.
  - Insert the Start Here disk in the DVD-ROM drive of your PC.
  - Navigate to the Oracle Universal Installer executable in Windows Explorer and right-click the executable.  
`<drive_letter>:\WFEMB\wfclnt26\install\win32\setup.exe`
  - Select 'Troubleshoot Compatibility'.
  - In the Program Compatibility window, choose the 'Try recommended settings' option.
  - Ensure that the Windows compatibility mode is set to 'Windows XP (Service Pack 2)' or 'Windows XP (Service Pack 3)'.
  - Choose 'Start the program...'.
  - If the User Account Control window appears with the message 'Do you want to

allow the following program from an unknown publisher to make changes to this computer?', select 'Yes'.

- Skip to step 3.

2. Insert the Start Here disk in the DVD-ROM drive of your PC. Choose Run from the taskbar Start button and enter the following command to run the Oracle Universal Installer:

```
<drive_letter>:\WFEMB\wfclnt26\install\win32\setup.exe
```

If you are installing on Microsoft Windows Vista or Windows 7 and you have not yet set Windows XP compatibility mode, perform these additional steps.

- If the User Account Control window appears with the message 'Do you want to allow the following program from an unknown publisher to make changes to this computer?', select 'Yes'.

- When the Oracle Universal Installer window begins to open, an Error window appears with the following message:

OUI cannot determine the platform of this system. This may occur if OUI is running on a system that is not supported or there is a bug in OUI. Please confirm that the system is a supported configuration; and if it is supported, then please contact Oracle Support.

Choose 'OK'.

- In the Program Compatibility Assistant window, select the 'Reinstall using recommended settings' option.
- If the User Account Control window appears with the message 'Do you want to allow the following program from an unknown publisher to make changes to this computer?', select 'Yes'.

3. When the Oracle Universal Installer is started, the Welcome window appears. Choose Next.

**Note:** Choose Help in any Oracle Universal Installer window for more information about that window.

4. The File Locations window appears. Review the stage location of the Oracle Workflow Builder and Oracle XML Gateway Message Designer files, and enter the Oracle Home location where you want to install client components. Then choose Next.

5. The Available Products window appears. Select whether you want to install Oracle Workflow Builder or Oracle XML Gateway Message Designer . Then choose Next.

**Note:** When you install Oracle Workflow Builder, the Oracle Workflow

Common Files and the Oracle Workflow HTML help are automatically installed as well.

When you install Oracle XML Gateway Message Designer, its HTML help is automatically installed as well.

6. If you are installing Oracle Workflow components and you are installing Java Runtime Environment for the first time, the Component Locations window appears. Enter the destination location where you want to install Java Runtime Environment. Then choose Next.
7. The Summary window appears. Review the summary information to ensure you have enough disk space. When you are ready to begin the installation, choose Install.
8. The Install window appears, displaying the progress of the installation.
9. If you are installing Oracle Workflow components and you are installing Oracle Net Client for the first time, the Configuration Tools window appears when the installation is complete, and the Oracle Net Configuration Assistant automatically starts.

In the Oracle Net Configuration Assistant window, select a method by which to configure client access to your Oracle database. The Oracle Net Configuration Assistant helps you configure your client access.

**Note:** Refer to the *Oracle9i Client Installation Guide* for more information about running the Oracle Net Configuration Assistant.

10. The End of Installation window appears. Choose Exit to exit the Oracle Universal Installer. You can also choose Next Install to return to the File Locations window and install another component.

## **Step 2. Set up the Oracle Workflow HTML help (optional):**

When you install Oracle Workflow Builder, the Oracle Universal Installer copies a zip file containing the HTML help to the Oracle Workflow directory in your Oracle Home. The zip file is `<ORACLE_HOME>\wf\wfdoc.zip`. Before you can view the HTML help, you must extract the doc directory tree from the zip file to your file system.

1. Use an unzip utility to extract the doc directory tree from the zip file within the Workflow directory. You need at least 7 Mb of free disk space to extract the zip file.

The doc directory tree that is created includes the Oracle Workflow documentation area, `<ORACLE_HOME>\wf\doc`, and the following subdirectories:

- `<ORACLE_HOME>\wf\doc\<lang>\wf` - Oracle Workflow online help.
- `<ORACLE_HOME>\wf\doc\<lang>\wfcust` - Custom help. You can optionally add

your own customized Workflow help in this directory.

**Note:** You can also install the doc directory tree in a directory that you choose on your PC file system. Create a directory for the HTML help. Then transfer the HTML help zip file, `wfdoc.zip`, from the Workflow subdirectory within your Oracle Home to the new directory. Use an unzip utility to extract the doc directory tree from the zip file in that directory.

2. After extracting the doc directory tree, you can optionally remove the zip file.
3. You can now view the HTML help using a Web browser.

The path for the contents page of the Oracle Workflow documentation is:

`\<ORACLE_HOME>\wf\doc\<lang>\wf\toc.htm`

The path for the contents page of your Oracle Workflow custom help is:

`\<ORACLE_HOME>\wf\doc\<lang>\wfcust\wfcust.htm`

You can also view context-sensitive help for Oracle Workflow Builder in Winhelp format by choosing Contents from the Help menu within Oracle Workflow Builder.

4. If you want to add custom help, you can replace the placeholder file in the `wfcust` directory, `wfcust.htm`, with your own help material. The HTM file that is the main entry point for your custom help must be named `wfcust.htm` and must contain an anchor named `contents`. Your custom help will be accessible through the Custom Help link on the contents page of the Oracle Workflow online help.

### **Step 3. Modify fonts in Oracle Workflow Builder (optional):**

If you are installing Oracle Workflow Builder in another language such as Japanese, you can modify the font used by the windows in Oracle Workflow Builder to a font that is appropriate for your language. Any change you make applies to all windows within the program.

1. Choose Font from the View menu to display the Fonts properties page.
2. Choose Font from the View menu to display the Fonts properties page.
3. Select the font style: Regular, Bold, Italic, or Bold Italic. Some fonts have a limited selection of font styles.
4. Select the font size to use. Some fonts have a limited selection of font sizes.
5. Select the Underline or Strikeout check boxes to apply those effects.
6. Choose OK when you are finished.
7. Close and restart Oracle Workflow Builder. The new font settings should then take effect.

#### **Step 4. View the Oracle XML Gateway Message Designer HTML help (optional):**

When you install Oracle XML Gateway Message Designer, the Oracle Universal Installer automatically installs the Message Designer HTML help as well. The HTML help is located in the `ecx\help` subdirectory within your Oracle Home. You can view the help by choosing Help Topics from the Help menu within Oracle XML Gateway Message Designer, or you can access the help directly using a Web browser. The path for the contents page of the Message Designer help is:

```
\<ORACLE_HOME>\ecx\help\ecxmdtoc.htm
```

#### **Step 5. Deploy Oracle Workflow Builder or Oracle XML Gateway Message Designer on a server:**

Oracle recommends that you deploy Oracle Workflow Builder and Oracle XML Gateway Message Designer in a remote server environment using either Windows Server Terminal Services, Citrix, or Tarantella. To help ensure a secure environment, you should allow users to access the required client component only through a 'dumb' window, rather than allowing desktop access.

- When using Citrix or Tarantella, specify the startup program for Oracle Workflow Builder or Oracle XML Gateway Message Designer within the object or published application file.
- When using Windows Server Terminal Services, specify the startup program for Oracle Workflow Builder or Oracle XML Gateway Message Designer in the user properties on the Windows server where the client software is installed.

The startup programs for Oracle Workflow Builder and Oracle XML Gateway Message Designer are located in the following subdirectories in your Oracle Home:

- Oracle Workflow Builder - `<ORACLE_HOME>\bin\WFBLDR.EXE`
- Oracle XML Gateway Message Designer - `<ORACLE_HOME>\ecx\MessageDesigner.bat`

The following sections provide some steps to specify a startup program for a user on a Windows server. For more information about deploying on Windows Server Terminal Services, Citrix, or Tarantella, consult your server documentation.

##### **To specify a startup program for a user on Windows Terminal Server 2003**

1. Sign on to Windows Terminal Server as a user with administrative privileges.
2. Navigate to Start > All Programs > Administrative Tasks > Computer Management > System Tools > Local Users and Groups > Users.
3. From the Action menu, select New User.
4. Enter the user name and any other details as required, and choose the Create button.
5. Double-click the newly created user.

6. In the User Properties window, select the Environment tab, and select the 'Start the Following Program at Login' option.
7. In the Program File Name field, enter the path to the appropriate startup program, either Oracle Workflow Builder or Oracle XML Gateway Message Designer, as listed above.
8. In the User Properties window, select the Member Of tab, and add the group 'Remote Desktop Users'. You can optionally remove the default 'Users' group.

#### **To specify a startup program for a user on Windows Terminal Server 2000**

1. Sign on to Windows Terminal Server as a user with administrative privileges.
2. Navigate to Start > Programs > Administrative Tasks > Computer Management > System Tools > Local Users and Groups > Users.
3. From the Action menu, select New User.
4. Enter the user name and any other details as required, and choose the Create button.
5. Double-click the newly created user.
6. In the User Properties window, select the Environment tab, and select the 'Start the Following Program at Login' option.
7. In the Program File Name field, enter the path to the appropriate startup program, either Oracle Workflow Builder or Oracle XML Gateway Message Designer, as listed above.

#### **To specify a startup program for a user on Windows NT Server**

1. Sign on to Windows NT Server as a user with administrative privileges.
2. Navigate to Start > Programs > Administrative Tools > Administrative Wizards > Add User Account.
3. Select the appropriate domain name and choose Next.
4. Enter the user name and choose Next.
5. Enter the password and choose Next.
6. In the Add User Account Wizard, select the Users group and choose the Add button. Then choose Next.
7. Add any configuration options as required, and choose Next.
8. Add any restrictions as required, and choose Next.
9. Choose Finish to complete the process of adding a new user.

10. Navigate to Start > Programs > Administrative Tools and open the User Manager window.
11. Select the user name, and choose User > Properties from the menu.
12. In the User Properties window, select the Config button.
13. In the Initial Program region of the User Configuration window, deselect the 'Inherit client config' option.
14. In the Command Line field, enter the path to the appropriate startup program, either Oracle Workflow Builder or Oracle XML Gateway Message Designer, as listed above.

### **Step 6. Assign user privileges:**

To help ensure a secure environment, Oracle recommends that you assign users only User privileges on the server where Oracle Workflow Builder or Oracle XML Gateway Message Designer is installed, rather than Administrator privileges.

However, if you deploy Oracle Workflow Builder on a Windows Terminal Server 2003 or Windows Terminal Server 2000 platform, you can assign users Power User privileges to grant them full access to Oracle Workflow Builder. On these platforms, users with only User privileges cannot access Developer Mode or the online help within Oracle Workflow Builder. Additionally, to enable the Oracle Workflow Builder templates and icons for those users, you must copy the template files from the `<ORACLE_HOME>\wf\DATA\US` directory and the icon files from the `<ORACLE_HOME>\wf\ICON` directory to the root directory of the drive where you installed Oracle Workflow Builder. For example, the root directory may be `C:\`.

## **Known Issues**

This section lists known issues for the Oracle Workflow Builder installation and possible workarounds for those issues.

In some cases you may see the following error message during the installation: "Error encountered when registering `<filename>`, please run `regsvr32.exe` manually to register this file after the installation completes." For example, you may see this error for the `wfnvg.ocx` file.

If you encounter this error, close the error message and proceed with the installation. After the installation is complete, register the specified file manually by running the following command from a DOS prompt:

```
regsvr32 <path>\<filename>
```

Replace `<path>` with the path to the file and `<filename>` with the name of the file to register. The `wfnvg.ocx` file is normally located in the `<ORACLE_HOME>\bin` directory.

## **Documentation Accessibility**

For information about Oracle's commitment to accessibility, visit the Oracle Accessibility

Program website at <http://www.oracle.com/pls/topic/lookup?ctx=acc&id=docacc>.

## Access to Oracle Support

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