

**Oracle® Identity Manager**

Connector Guide for Microsoft Windows 2000

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# Preface

*Oracle Identity Manager Connector Guide for Microsoft Windows 2000* provides information about integrating Oracle Identity Manager with Microsoft Windows 2000.

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**Note:** This is a transitional release following Oracle's acquisition of Thor Technologies. Some parts of the product and documentation still refer to the original Thor company name and Xellerate product name and will be rebranded in future releases.

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## Audience

This guide is intended for users who want to deploy the Oracle Identity Manager connector for Microsoft Windows 2000.

## Documentation Accessibility

Our goal is to make Oracle products, services, and supporting documentation accessible, with good usability, to the disabled community. To that end, our documentation includes features that make information available to users of assistive technology. This documentation is available in HTML format, and contains markup to facilitate access by the disabled community. Accessibility standards will continue to evolve over time, and Oracle is actively engaged with other market-leading technology vendors to address technical obstacles so that our documentation can be accessible to all of our customers. For more information, visit the Oracle Accessibility Program Web site at

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## **Related Documents**

For more information, refer to the following documents in the Oracle Identity Manager documentation set:

- *Oracle Identity Manager Release Notes*
- *Oracle Identity Manager Installation and Upgrade Guide for JBoss*
- *Oracle Identity Manager Installation and Upgrade Guide for WebLogic*
- *Oracle Identity Manager Installation and Upgrade Guide for WebSphere*
- *Oracle Identity Manager Administrative and User Console Guide*
- *Oracle Identity Manager Administrative and User Console Customization Guide*
- *Oracle Identity Manager Design Console Guide*
- *Oracle Identity Manager Tools Reference Guide*
- *Oracle Identity Manager Audit Report Developer Guide*
- *Oracle Identity Manager Best Practices Guide*
- *Oracle Identity Manager Connector Framework Guide*
- *Oracle Identity Manager Connector Guide for Microsoft Active Directory*

## **Documentation Updates**

Oracle is committed to delivering the best and most recent information available. For information about updates to the Oracle Identity Manager 9.0.1 connector documentation set, visit Oracle Technology Network at

<http://www.oracle.com/technology/documentation/index.html>

## **Conventions**

The following text conventions are used in this document:

<b>Convention</b>	<b>Meaning</b>
<b>boldface</b>	Boldface type indicates graphical user interface elements associated with an action, or terms defined in text or the glossary.
<i>italic</i>	Italic type indicates book titles, emphasis, or placeholder variables for which you supply particular values.
<b>monospace</b>	Monospace type indicates commands within a paragraph, URLs, code in examples, text that appears on the screen, or text that you enter.

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# About the Connector

Oracle Identity Manager automates access rights management, security, and provisioning of IT resources. Oracle Identity Manager connectors are used to integrate Oracle Identity Manager with third-party applications. The connector for Microsoft Windows 2000 is used to integrate Oracle Identity Manager with Microsoft Windows 2000.

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**Note:** Oracle Identity Manager connectors were referred to as *resource adapters* prior to the acquisition of Thor Technologies by Oracle.

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This chapter contains the following sections:

- [Supported Functionality](#)
- [Provisioning Module](#)
- [Files and Directories That Comprise the Connector](#)

## Supported Functionality

The following table lists the functions that are available with this connector.

Function	Type	Description
Create Directory for User	Provisioning	Creates a directory
Delete Folder Share Directory	Provisioning	Deletes a provisioned directory
Create Share	Provisioning	Creates a share on a directory
Add User To Folder	Provisioning	Adds a user to a shared directory
Delete Share	Provisioning	Deletes the share on a provisioned directory
New Share Path Updated	Provisioning	Updates the configuration of a directory according to a change in the New Share Path attribute
Write Updated	Provisioning	Updates the configuration of a directory according to a change in the Write permission attribute
None Updated	Provisioning	Updates the configuration of a directory according to a change in the No Sharing Permissions attribute
Update Share Path	Reconciliation	Updates the configuration of a directory according to a change in the Share Path attribute

Function	Type	Description
Remove User From Folder	Reconciliation	Removes a user from a shared directory
Full Control Updated	Reconciliation	Updates the configuration of a directory according to a change in the Full Control Permission attribute
Change Updated	Reconciliation	Updates the configuration of a directory according to a change in the Change Permission attribute
Read Updated	Reconciliation	Updates the configuration of a directory according to a change in the Read Permission attribute

## Provisioning Module

The following fields of are provisioned:

- New Share Path
- Full Control
- Change
- Read
- Share Path
- Write
- None

## Files and Directories That Comprise the Connector

The files and directories that comprise this connector are compressed in the following ZIP file on the installation media:

Operating Systems\Microsoft Windows\Microsoft Windows2000 Rev 2.1.0.zip

These files and directories are listed in the following table.

File in the Installation Media Directory	Description
xml\Windows2000Object_DM.xml	This XML file contains the following components of the connector: <ul style="list-style-type: none"> <li>■ IT resource type</li> <li>■ Custom process form</li> <li>■ Process task and adapters (along with their mappings)</li> <li>■ Resource object</li> <li>■ Provisioning process</li> <li>■ Pre-populate rules</li> <li>■ Reconciliation process</li> <li>■ Lookup definitions</li> </ul>
lib\xliWindowsNT4.jar	This JAR file contains the class files required for provisioning and reconciliation.
dll\tcWindowsNT40.dll	This DLL file contains the native code required for provisioning directories on a Microsoft Windows 2000 server.

File in the Installation Media Directory	Description
docs\B31122_01.pdf	These are PDF and HTML versions of this guide, which provides instructions to deploy the connector.
docs\html	

The "[Step 4: Copying the Connector Files](#)" section on page 2-2 provides instructions to copy these files into the required directories.



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## Deploying the Connector

Deploying the connector involves the following steps:

- Step 1: Verifying Deployment Requirements
- Step 2: Configuring the Target System
- Step 3: Configuring the Oracle Identity Manager Server
- Step 4: Copying the Connector Files
- Step 5: Importing the Connector XML File
- Step 6: Compiling Adapters

### Step 1: Verifying Deployment Requirements

The following table lists the deployment requirements for the connector.

Item	Requirement
Oracle Identity Manager	Oracle Identity Manager release 8.5.3 or later
Target system	Microsoft Windows 2000
Infrastructure requirements	An additional computer running one of the following: <ul style="list-style-type: none"><li>■ Microsoft Windows 2000 Professional</li><li>■ Microsoft Windows 2000 Server</li></ul> This computer is meant for use as a file server.
Other applications	Microsoft Active Directory

### Step 2: Configuring the Target System

To configure the target system:

1. Ensure that Microsoft Active Directory is installed on the target Microsoft Windows 2000 server.
2. Configure the file server and the target Microsoft Windows 2000 server on the domain on which you install Microsoft Active directory.

### Step 3: Configuring the Oracle Identity Manager Server

For configuring the Oracle Identity Manager server, perform the following steps:

1. Deploy the Microsoft Active Directory connector before you can deploy and use the Microsoft Windows 2000 connector. In addition, the Microsoft Windows 2000 user account should be provisioned only to an Xellerate User who already has a Microsoft Active Directory user account provisioned.

You must deploy the connector for Microsoft Active Directory in the following directory:

```
xellerate_home\xellerate\XLIntegrations\ActiveDirectory
```

**See Also:** *Oracle Identity Manager Connector Guide for Microsoft Active Directory*

2. Edit the following file:

```
xellerate_home\xellerate\bin\xlStartServer.bat
```

In this file, add the following line at the start:

```
SET PATH=xellerate_home\xellerate\XLIntegrations\Windows2000\dll
```

## Step 4: Copying the Connector Files

The connector files to be copied and the directories to which you must copy them are given in the following table.

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**Note:** The directory paths given in the first column of this table correspond to the location of the connector files in the following ZIP file on the installation media:

Operating System\Microsoft Windows\Microsoft Windows 2000 Rev 2.1.0.zip

Refer to "[Files and Directories That Comprise the Connector](#)" on page 1-2 for more information about these files.

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File in the Installation Media Directory	Destination Directory
xml\Windows2000Object_DM.xml	xellerate_home\xellerate\XLIntegrations\Microsoft Windows 2000\xml
lib\xliWindowsNT4.jar	xellerate_home\xellerate\Javatasks
dll\tcWindowsNT40.dll	xellerate_home\xellerate\XLIntegrations\Microsoft Windows 2000\dll
The following contents of the docs directory: B31122_01.pdf html	xellerate_home\xellerate\XLIntegrations\Microsoft Windows 2000\docs

## Step 5: Importing the Connector XML File

To import the connector XML file into Oracle Identity Manager:

1. Open the Oracle Identity Manager Administrative and User Console.
2. Click the **Deployment Management** link on the left navigation bar.

3. Click the **Import** link under Deployment Management. A dialog box for locating files is displayed.
4. Locate and open the `Windows2000Object_DM.xml` file, which is in the `xellerate_home\xellerate\XLIntegrations\Microsoft Windows 2000\xml` directory. Details of this XML file are shown on the File Preview page.
5. Click **Add File**. The Substitutions page is displayed.
6. Click **Next**. The Confirmation page is displayed.
7. Click **Next**. The Provide IT Resource Instance Data page for the W2K File Server IT resource is displayed.
8. Specify values for the parameters of the W2K File Server IT resource. Refer to the table in the "[Defining IT Resources](#)" section on page 2-3 for information about the values to be specified.
9. Click **Next**. The Provide IT Resource Instance Data page for a new instance of the W2K File Server IT resource type is displayed.
10. Click **Skip** to specify that you do not want to define another IT resource. The Confirmation page is displayed.

**See Also:** If you want to define another IT resource, then refer to *Oracle Identity Manager Tools Reference Guide* for instructions.

**11. Click View Selections.**

The contents of the XML file are displayed on the Import page. You may see a cross-shaped icon along with some nodes. You must remove these nodes. To do this, right-click each such node and then select **Remove**.

**12. Click Import.** The connector XML file is imported into Oracle Identity Manager.

After you import the connector XML files, proceed to the "[Step 6: Compiling Adapters](#)" section on page 2-4.

## Defining IT Resources

You must specify values for the W2K File Server IT resource parameters listed in the following table.

Parameter Name	Parameter Description
AdminName	User ID of the admin user on the Microsoft Windows 2000 computer that is used as the file server  Sample value: <code>administrator</code>
AdminPassword	Password of the admin user on the Microsoft Windows 2000 computer that is used as the file server  Sample value: <code>password</code>
ComputerName	Host name or the IP address of the Microsoft Windows 2000 computer that is used as the file server
DomainName	Domain of the Microsoft Windows 2000 computer that is used as the file server  Sample value: <code>DOMAIN</code>

After you specify values for these IT resource parameters, go to Step 9 of the procedure to import connector XML files.

## Step 6: Compiling Adapters

The following adapters are imported into Oracle Identity Manager when you import the connector XML file. You must compile these adapters before you can use them to provision accounts on the target system.

- Win2K Create Directory
- Win2K Delete Share
- Win2K Target Server Update
- Win2K Add User To Folder
- Win2K Target Server Update
- Win2K Update File Server
- Win2K Update Share Path
- Win2K Remove User From Folder
- Win2K Delete User Share Directory
- Win2K Chk Process User
- Win2K Create Share

To compile adapters by using the Adapter Manager form:

1. Open the Adapter Manager form.
2. To compile all the adapters that you import into the current database, select the **Compile All** option.

To compile multiple (but not all) adapters, select the adapters you want to compile. Then, select the **Compile Selected** option.

3. Click **Start**. Oracle Identity Manager compiles the adapters that you specify.

To view detailed information about an adapter:

1. Highlight the adapter in the Adapter Manager form.
2. Double-click the row header of the adapter, or right-click the adapter.
3. Select **Launch Adapter** from the shortcut menu that is displayed. Details of the adapter are displayed.

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**Note:** To compile multiple adapters simultaneously, use the Adapter Manager form. To compile one adapter at a time, use the Adapter Factory form. Refer to *Oracle Identity Manager Tools Reference Guide* for information about how to use these forms.

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# 3

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## Known Issues

The following are known issues associated with this release of the connector:

- A share is created with full control only. The rest of the permissions are not reflected.
- A share created through provisioning is not deleted even after the Delete Share function is run successfully.



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