

Oracle® Identity Manager

Connector Guide for Microsoft Windows NT 4.0

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Preface

Oracle Identity Manager Connector Guide for Microsoft Windows NT provides information about integrating Oracle Identity Manager with Microsoft Windows NT 4.0.

Note: 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.

Audience

This guide is intended for users who want to deploy the Oracle Identity Manager connector for Microsoft Windows NT 4.0.

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 Guide for BMC Remedy User Management*
- *Oracle Identity Manager Connector Guide for CA-ACF2 Advanced*
- *Oracle Identity Manager Connector Guide for CA-Top Secret Advanced*
- *Oracle Identity Manager Connector Guide for Database Application Tables*
- *Oracle Identity Manager Connector Guide for Database User Management*
- *Oracle Identity Manager Connector Guide for IBM RACF*
- *Oracle Identity Manager Connector Guide for IBM RACF Advanced*
- *Oracle Identity Manager Connector Guide for IBM Lotus Notes and Domino*
- *Oracle Identity Manager Connector Guide for Microsoft Active Directory*
- *Oracle Identity Manager Password Synchronization Module for Microsoft Active Directory Installation and Configuration Guide*
- *Oracle Identity Manager Connector Guide for Microsoft Exchange 2000 and 2003*
- *Oracle Identity Manager Connector Guide for Microsoft Exchange 5.5*
- *Oracle Identity Manager Connector Guide for Microsoft Windows 2000*
- *Oracle Identity Manager Connector Guide for Microsoft Windows NT 4.0*
- *Oracle Identity Manager Connector Guide for Novell eDirectory*
- *Oracle Identity Manager Connector Guide for Novell GroupWise*
- *Oracle Identity Manager Connector Guide for Oracle e-Business Employee Reconciliation*
- *Oracle Identity Manager Connector Guide for Oracle e-Business User Management*
- *Oracle Identity Manager Connector Guide for Oracle Internet Directory*
- *Oracle Identity Manager Connector Guide for PeopleSoft Employee Reconciliation*

- *Oracle Identity Manager Connector Guide for PeopleSoft User Management*
- *Oracle Identity Manager Connector Guide for Siebel Enterprise Applications*
- *Oracle Identity Manager Connector Guide for RSA Authentication Manager*
- *Oracle Identity Manager Connector Guide for RSA ClearTrust*
- *Oracle Identity Manager Connector Guide for SAP CUA*
- *Oracle Identity Manager Connector Guide for SAP Employee Reconciliation*
- *Oracle Identity Manager Connector Guide for SAP Enterprise Portal*
- *Oracle Identity Manager Connector Guide for SAP User Management*
- *Oracle Identity Manager Connector Guide for Sun Java System Directory*
- *Oracle Identity Manager Connector Guide for UNIX SSH*
- *Oracle Identity Manager Connector Guide for UNIX Telnet*

Documentation Updates

Oracle is committed to delivering the best and most recent information available. For information about updates to the Oracle Identity Manager 9.0.2 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:

Convention	Meaning
boldface	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.
<code>monospace</code>	Monospace type indicates commands within a paragraph, URLs, code in examples, text that appears on the screen, or text that you enter.

What's New in the Oracle Identity Manager Connector for Microsoft Windows NT 4.0?

This chapter provides an overview of the updates made to the connector and documentation for Microsoft Windows NT 4.0 in release 9.0.2 of the Oracle Identity Manager connector pack.

The updates discussed in this chapter are divided into the following categories:

- [Software Updates](#)

These include updates made to the connector software.

- [Documentation-Specific Updates](#)

These include major changes made to the connector documentation. These changes are not related to software updates.

See Also: *Oracle Identity Manager Release Notes*

Software Updates

This section discusses the following software updates implemented in this release of the connector.

Incorporation of Multilanguage Support

In addition to English, this release of the connector supports the French and Japanese languages. The following are documentation updates pertaining to the incorporation of this feature:

- The installation media directory includes resource bundle files for the languages supported by the connector. These resource bundle files are described in the ["Files and Directories That Comprise the Connector"](#) section on page 1-3.
- The ["Step 2: Copying the Connector Files"](#) section on page 2-1 specifies the destination directory into which you must copy the resource bundle files during the deployment procedure.
- The ["Step 4: Configuring the Oracle Identity Manager Server"](#) section on page 2-2 describes the procedure to change to the required input locale and to clear content related to connector resource bundles from the server cache.
- [Chapter 3, "Known Issues"](#) discusses a new issue related to the use of non-English locales.

Determining the Release Number of the Connector

Instructions to determine the release number of the connector are given in the ["Determining the Release Number of the Connector"](#) section on page 1-4.

Documentation-Specific Updates

The following documentation-specific updates have been made in this release of the guide:

- Instructions to copy the connector JAR files and adapter files to all the nodes of a clustered environment have been added in the following sections:
 - [Step 2: Copying the Connector Files](#) on page 2-1
 - [Step 4: Configuring the Oracle Identity Manager Server](#) on page 2-2
 - [Step 6: Compiling Adapters](#) on page 2-5
- Oracle Identity Manager uses a Microsoft Windows NT 4.0 user account to connect to and exchange data with Microsoft Windows NT 4.0. The ["Step 1: Verifying Deployment Requirements"](#) section on page 2-1 provides information about the minimum rights that must be assigned to this user account.
- Instructions to use Oracle Identity Manager for linking multiple installations of Microsoft Windows NT 4.0 are given in the ["Configuring the Connector for Multiple Installations of the Target System"](#) on page 2-7.
- The NT Create Folder adapter has been added to the list of adapters in the ["Step 6: Compiling Adapters"](#) section on page 2-5.
- [Appendix A](#) provides information about attribute mappings between Oracle Identity Manager and Microsoft Windows NT 4.0.

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 NT 4.0 is used to integrate Oracle Identity Manager with Microsoft Windows NT 4.0.

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

This chapter contains the following sections:

- [Supported Functionality](#)
- [Multilanguage Support](#)
- [Provisioning Module](#)
- [Files and Directories That Comprise the Connector](#)
- [Determining the Release Number of the Connector](#)

Supported Functionality

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

Function	Type	Description
Create NT User	Provisioning	Creates a user on the Microsoft Windows NT 4.0 server
Delete User	Provisioning	Deletes a provisioned user from the Microsoft Windows NT 4.0 server
Create User Group and Add User to Group	Provisioning	Creates a user group on the Microsoft Windows NT 4.0 server and adds an existing user to it
Disable User	Provisioning	Disables a provisioned user on the Microsoft Windows NT 4.0 server
Create Folder at File Server	Provisioning	Creates a directory on the Microsoft Windows NT 4.0 server
Create Share	Provisioning	Creates a share on a directory on the Microsoft Windows NT 4.0 server

Function	Type	Description
Add User to Share	Provisioning	Adds an NT server user to a share on the Microsoft Windows NT 4.0 server
Set Home Drive and Directory	Provisioning	Updates user properties on the Microsoft Windows NT 4.0 server according to a change in the Home Drive and Directory attribute
Set User Flag	Provisioning	Updates user properties on the Microsoft Windows NT 4.0 server according to a change in the User Flag attribute
Set Account Expiration Date	Provisioning	Updates user properties on the Microsoft Windows NT 4.0 server according to a change in the Account Expiration Date attribute
Date Expiration Updated	Provisioning	Updates user properties on the Microsoft Windows NT 4.0 server according to a change in the Date Expiration attribute
Never Expires Updated	Provisioning	Updates user properties on the Microsoft Windows NT 4.0 server according to a change in the Password Never Expires attribute
Update User ID	Provisioning	Updates user properties on the Microsoft Windows NT 4.0 server according to a change in the User ID attribute
Update Password	Provisioning	Updates user properties on the Microsoft Windows NT 4.0 server according to a change in the Password attribute
Update Share Name	Provisioning	Updates user properties on the Microsoft Windows NT 4.0 server according to a change in the Share Name attribute
Share Path Updated	Provisioning	Updates user properties on the Microsoft Windows NT 4.0 server according to a change in the Share Path attribute
Update Must Change Password Setting	Provisioning	Updates user properties on the Microsoft Windows NT 4.0 server according to a change in the User Must Change Password attribute
Update User Full Name	Provisioning	Updates user properties on the Microsoft Windows NT 4.0 server according to a change in the Full Name attribute
Update User Cannot Change Password Setting	Provisioning	Updates user properties on the Microsoft Windows NT 4.0 server according to a change in the User Cannot Change Password attribute

Multilanguage Support

In addition to English, this release of the connector supports the following languages:

- French
- Japanese

Provisioning Module

The following fields are provisioned:

- User ID
- Password
- Full Name
- User Description
- Group
- Share Path
- Domain
- Cannot Change
- Never Expires
- Must Change
- Full Control
- Read
- Change
- Date Expires
- Home Drive
- Share Name

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 WindowsNT4 Rev 2.2.0.zip

These files and directories are listed in the following table.

File in the Installation Media Directory	Description
xml\WindowsNT4Object_DM.xml	<p>This XML file contains definitions for the following components of the connector:</p> <ul style="list-style-type: none"> ■ IT resource type ■ Custom process form ■ Process task and adapters (along with their mappings) ■ Resource object ■ Provisioning process ■ Pre-populate rules ■ Reconciliation process ■ Lookup definitions
lib\xliWindowsNT4.jar	This JAR file contains the class files required for provisioning and reconciliation.

File in the Installation Media Directory	Description
dll\tcWindowsNT40.dll	This DLL file contains the native code required for provisioning users on a Microsoft Windows NT server.
Files in the <code>resources</code> directory	Each of these files contains locale-specific information that is used by the connector.
docs\B32160_01.pdf	This guide, which provides instructions to deploy the connector.

The ["Step 2: Copying the Connector Files"](#) section on page 2-1 provides instructions to copy these files into the required directories.

Determining the Release Number of the Connector

To determine the release number of the connector:

1. Extract the contents of the `xliWindowsNT4.jar` file. This file is in the `lib` directory inside the installation media directory.
2. Open the `manifest.mf` file in a text editor, which is one of the files bundled inside the `xliWindowsNT4.jar` file.

In the `manifest.mf` file, the release number of the connector is displayed as the value of the `Version` property.

Deploying the Connector

Deploying the connector involves the following steps:

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

If you want to configure the connector for multiple installations of Microsoft Windows NT 4.0, then perform the following procedure:

- [Configuring the Connector for Multiple Installations of the Target System](#)

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 systems	Microsoft Windows NT 4.0 server
Infrastructure requirements	<p>An additional computer running any one of the following operating systems:</p> <ul style="list-style-type: none">■ Microsoft Windows 2000 Professional■ Microsoft Windows 2000 Server■ Microsoft Windows NT <p>This computer is meant for use as a file server.</p>
Target system user account	<p>Microsoft Windows NT Server (Domain Controller) administrator</p> <p>You provide the credentials of this user account while performing the procedure in the "Defining IT Resources" section on page 2-4.</p>

Step 2: 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.

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 Systems\Microsoft Windows\Microsoft WindowsNT4 Rev 2.2.0.zip

Refer to the ["Files and Directories That Comprise the Connector"](#) section on page 1-3 for more information about these files.

File in the Installation Media Directory	Destination Directory
xml\WindowsNT4Object_DM.xml	<i>OIM_home</i> \xellerate\XLIntegrations\WindowsNT4\xml
lib\xliWindowsNT4.jar	<i>OIM_home</i> \xellerate\Javatasks <i>OIM_home</i> \xellerate\ScheduleTask
dll\tcWindowsNT40.dll	<i>OIM_home</i> \xellerate\XLIntegrations\WindowsNT4\dll
Files in the resources directory	<i>OIM_home</i> \xellerate\connectorResources
docs\B32160_01.pdf	<i>OIM_home</i> \xellerate\docs\WindowsNT4

Note: While installing Oracle Identity Manager in a clustered environment, you copy the contents of the installation directory to each node of the cluster. Similarly, you must copy the `connectorResources` directory and the JAR files to the corresponding directories on each node of the cluster.

Step 3: Configuring the Target System

Configuring the target system involves setting up a trust relationship between the domain of the Microsoft Windows NT 4.0 server and the domain of the Oracle Identity Manager server.

Step 4: Configuring the Oracle Identity Manager Server

Configuring the Oracle Identity Manager server involves performing the following procedures:

Note: In a clustered environment, you must perform this step on each node of the cluster.

- [Configuring the xlStartServer.bat File](#)
- [Changing to the Required Input Locale](#)
- [Clearing Content Related to Connector Resource Bundles from the Server Cache](#)

Configuring the xlStartServer.bat File

Open the following file:


```
OIM_home\xellerate\bin\xlStartServer.bat
```

Add the following line at the start of this file:

```
SET PATH=OIM_home\xellerate\XLIntegrations\WindowsNT4\dll
```

Changing to the Required Input Locale

To change to the required input locale:

1. Open Control Panel.
2. Double-click **Regional Options**.
3. On the Input Locales tab of the Regional Options dialog box, add the input locale that you want to use and then switch to the input locale.

Clearing Content Related to Connector Resource Bundles from the Server Cache

Whenever you add a new resource bundle file in the `OIM_home\xellerate\connectorResources` directory or make a change in an existing resource bundle file, you must clear content related to connector resource bundles from the server cache.

To clear content related to connector resource bundles from the server cache:

1. In a command window, change to the `OIM_home\xellerate\bin` directory.
2. Enter one of the following commands:

Note: You must perform Step 1 before you perform this step. If you run the command as follows, then an exception is thrown:

```
OIM_home\xellerate\bin\batch_file_name
```

- On Microsoft Windows:

```
PurgeCache.bat ConnectorResourceBundle
```

- On UNIX:

```
PurgeCache.sh ConnectorResourceBundle
```

In this command, `ConnectorResourceBundle` is one of the content categories that you can remove from the server cache. Refer to the following file for information about the other content categories:

```
OIM_home\xellerate\config\xlConfig.xml
```

Note: You can ignore the exception that is thrown when you perform Step 2.

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 `WindowsNT4Object_DM.xml` file, which is in the `OIM_home\xellerate\XLIntegrations\WindowsNT4\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 NT Server IT resource is displayed.
8. Specify values for the parameters of the NT Server IT resource. Refer to the table in the "[Defining IT Resources](#)" section on page 2-4 for information about the values to be specified.
9. Click **Next**. The Provide IT Resource Instance Data page for a new instance of the NT Server IT resource type is displayed.
10. Click **Skip** to specify that you do not want to define another IT resource of the NT Server IT resource type. The Provide IT Resource Instance Data page for the NT File Server IT resource is displayed.

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

11. Specify values for the parameters of the NT File Server IT resource. Refer to the table in the "[Defining IT Resources](#)" section on page 2-4 for information about the values to be specified.
12. Click **Next**. The Provide IT Resource Instance Data page for a new instance of the NT File Server IT resource type is displayed.
13. 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.

14. 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. Remove these nodes by right-clicking each node and then selecting **Remove**.

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

After you import the connector XML file, proceed to the "[Step 6: Compiling Adapters](#)" section on page 2-5.

Defining IT Resources

The following sections provide values for parameters of the following predefined IT resources:

- [NT Server](#)
- [NT File Server](#)

NT Server

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

Parameter	Parameter Description
Computer Name	Host name or IP address of the target Microsoft Windows NT 4.0 server
Domain Admin UserID	User ID of the administrator account that is used to create users on the Microsoft Windows NT 4.0 server
Domain Admin Password	Password of the administrator account that is used to create users on the Microsoft Windows NT 4.0 server
Domain Name	Domain of the Microsoft Windows NT 4.0 server

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

NT File Server

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

Parameter	Parameter Description
AdminName	User ID of the administrator account on the Microsoft Windows NT 4.0 server that is to be used to create users
AdminPassword	Password of the administrator account on the Microsoft Windows NT 4.0 server that is to be used to create users
ComputerName	Host name or IP address of the target Microsoft Windows NT 4.0 server
DomainName	Domain of the Microsoft Windows NT 4.0 server

After you specify values for these IT resource parameters, proceed to Step 12 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:

- NTDeleteUser
- NTCreateUser
- NTSetFullName
- NTUpdateShareName
- NT set expiration date
- NT set must change password
- NT set user flag
- NT Add to Group
- NTDisableUser

- NTSetSharePath
- NTSetPassword
- NTSetUserDescription
- NT Rename User
- NT Create Share
- NTEnableUser
- NT add user to share
- NT set home drive and directory
- NT Create Folder

You must compile these adapters before you can use them to provision accounts on the target system.

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 **Compile All**.

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

Note: Click **Compile Previously Failed** to recompile only those adapters that were not compiled successfully. Such adapters do not have an OK compilation status.

3. Click **Start**. Oracle Identity Manager compiles the selected adapters.
4. If Oracle Identity Manager is installed in a clustered environment, then copy the compiled adapters from the *OIM_home\xellerate\Adapter* directory to the same directory on each of the other nodes of the cluster. If required, overwrite the adapter files on the other nodes. Then, restart each node.

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.

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

Configuring the Connector for Multiple Installations of the Target System

Note: Perform this procedure only if you want to configure the connector for multiple installations of Microsoft Windows NT 4.0. Refer to *Oracle Identity Manager Design Console Guide* for detailed instructions on performing each step of this procedure.

To configure the connector for multiple installations of the target system:

1. Create and configure one IT resource for each target system installation.

The IT Resources form is in the Resource Management folder. An IT resource is created when you import the connector XML file. You can use this IT resource as the template for creating the remaining IT resources, of the same resource type.

2. If required, modify the fields to be reconciled for the Xellerate User resource object.

When you use the Administrative and User Console to perform provisioning, you can specify the IT resource corresponding to the Microsoft Windows NT 4.0 installation to which you want to provision the user.

Known Issues

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

- If the target system and Oracle Identity Manager are on different subnets, then you cannot provision a Microsoft Windows NT 4.0 user by using Oracle Identity Manager.

The following example illustrates this limitation:

Suppose M1 is the computer on which Oracle Identity Manager is installed and M2 is the target Microsoft Windows NT 4.0 server. If you provision a Microsoft Windows NT 4.0 user through Oracle Identity Manager, then the provisioning operation fails if M1 and M2 are on different subnets.

For example, if the IP address of M1 is 192.168.6.23 and the IP address of M2 is 192.168.0.28. Then, the provisioning operation fails because the subnets, 0 and 6, are different.

However, if you put M1 on the same subnet as M2 (for example, if the IP address of M1 is 192.168.0.23 and the IP address of M2 is 192.168.0.28), then the Microsoft Windows NT 4.0 user is provisioned successfully.

- The Create Folder at File Server function is rejected if the Oracle Identity Manager server and the Microsoft Windows NT 4.0 server are not in the same domain. This function works only if the computer on which Oracle Identity Manager is running and the file server computer are in the same domain, but not on the same computers. This function also works if the Oracle Identity Manager server is in a workgroup and not in a domain, and the file server is on a different domain.
- There are some known response codes that have not yet been added in the Create NT User function. These codes and their descriptions are given in the following table.

Response Code	Description
0x8007005	Your NT account is locked out.
0x80070056	The old NT account password is invalid.
0x800708ad	The specified NT account does not exist.
0x800708c5	Your new password cannot be the same as any of your previous passwords. In addition, your new password must meet the password uniqueness rule set for the domain.

- Some Asian languages use multibyte character sets. If the character limit for the fields in the target system is specified in bytes, then the number of Asian-language characters that you can enter in a particular field may be less than the number of

English-language characters that you can enter in the same field. The following example illustrates this limitation:

Suppose you can enter 50 characters of English in the User Last Name field of the target system. If you were using the Japanese locale and if the character limit for the target system fields were specified in bytes, then you would not be able to enter more than 25 characters in the same field.

Attribute Mappings Between Oracle Identity Manager and Microsoft Windows NT 4.0

The following table discusses attribute mappings between Oracle Identity Manager and Microsoft Windows NT 4.0.

To view the Microsoft Windows NT 4.0 attributes listed in the following table:

1. Click **Start, Programs, Administrative Tools**, and **User Manager for Domains**.
2. Expand **User**.
3. Click **New User**.

Oracle Identity Manager Attribute	Microsoft Windows NT 4.0 Attribute
User ID	User name
Password	Password
Full Name	Full Name
User Description	Description
Group	Groups Click Groups.
Domain	Domain Click Start, Programs, Administrative Tools, Server Manager , expand Computer , and then select Domain .
Share Path	User Profile Path Click Profile .
Home Drive	Local Path or Connect To Click Profile .
Share Name	Login Script Name Click Profile .
Date Expires	Account Expires Click Account .
Never Expires	Account Expires Click Account .
Must Change	The User Must Change Password at Next Logon check box
Cannot Change	The User Cannot Change Password check box
Full Control	Full Control (ALL)(ALL) Right-click the folder specified by Share Path, click Properties , click the Security tab, and then click Permissions .

Oracle Identity Manager Attribute	Microsoft Windows NT 4.0 Attribute
Change	Change (RWXD)(RWXD) Right-click the folder specified by Share Path, click Properties , click the Security tab, and then click Permissions .
Read	Read (RX)(RX) Right-click the folder specified by Share Path, click Properties , click the Security tab, and then click Permissions .

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