

Oracle Information Rights Management

Oracle IRM Directory Gateway Installation Guide

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Introduction

This document describes Oracle IRM Directory Gateway system requirements, installation procedures, and post-installation tasks.

System Requirements

- ☐ 486 or Pentium compatible processor

In operation, Oracle IRM Directory Gateway requires network access to Oracle IRM Server V4.0 or later. Where possible, Oracle recommends that you use the latest versions of Oracle IRM Server, Directory Gateway, and, if relevant, the Oracle IRM Management Website.

Supported Operating Systems

- ☐ Microsoft Windows 2000 Server or Professional
- ☐ Microsoft Windows XP

The installer requires Microsoft Script Runtime Engine V5.6.

The Installer installs the Microsoft XML 4.0 component, used for XML parsing and validation. This component does not have a version-independent ProgID and will not be instantiated by applications that use version-independent ProgIDs.

Installation Privileges

Installing Oracle IRM Directory Gateway requires an account with administrator privileges.

Installing Oracle IRM Directory Gateway

Double-click on the installer and follow the instructions. The installation procedure does not ask any questions, except to ask about restarting the system, if required.

Post-installation Tasks

Accessing and authenticating to Oracle IRM Server

The Directory Gateway needs to be able to access and authenticate to Oracle IRM Server.

Oracle IRM Server typically listens for connections on port 80.

You need to use the Oracle IRM Management Console to create an account on Oracle IRM Server. You also need to create an administrative role that provides the right to **Synchronize Users & Groups**. The Directory Gateway does not need any other administrative rights.

To run the console, go to:

Start – Programs – Oracle IRM - Management Console

If you are using the standard rights model provided by the Oracle IRM Management Website, you need to amend the model to create a new administrative role that the Directory Gateway can use during its operation. You also need to create an account for the Directory Gateway and assign the new administrative role to that account. These two tasks require you to use the console with the relevant administrative rights, as follows:

- Using the account created during the Oracle IRM Server installation, for example **superuser**, use the console to create a server administration role called Directory Gateway. Use the new role wizard to specify that the role provides the right to **Synchronize Users & Groups**.

The Directory Gateway does not require any other administrative rights. It does not require any context administration rights.

- Using a **Service Owner** account, use the console to create a new user account called, for example, **smgateway**. Configure the account to use Oracle IRM authentication (“standard authentication”) or Windows authentication, as appropriate for your deployment. If using Oracle IRM authentication, specify the account’s password and select the option to disallow password changes.

If you are not using the standard rights model, you need to complete the same tasks using an administrative account that has the right to create user accounts and define new server administration roles.

See the console online help for further information about creating user accounts and administrative roles.

Testing Oracle IRM Directory Gateway

The following procedure shows how to test Oracle IRM Directory Gateway by connecting to Oracle IRM Server and authenticating using the username and password of an account on that server. You need to use the Oracle IRM Server URL and account details relevant to your deployment.

1. Go to the **SAMPLES** directory in the Oracle IRM Directory Gateway installation area.
2. Use a text editor to open **Simple Config.xml**.
3. In **Simple Config.xml**, amend the **<operation>** node so that it contains your Oracle IRM Server URL, and the credentials of the account created for Oracle IRM Directory Gateway to use. For example:

```
<operation name="Sync your_server" type="account_sync">  
  <parameter name="url" value="sml i cense. abc. com: 80" />  
  <parameter name="account" value="smgateway" />  
  <parameter name="password" value="ABC123" />  
</operation>
```

4. Save the changes to **Simple Config.xml**.
5. Use a browser to check that Oracle IRM Server is available, for example:
http://licsvr.myco.com:80/ping
If available, Oracle IRM Server returns its version information and a timestamp.
6. Go to **Start - Oracle IRM - LDAP Gateway - Gateway**.
A command console opens and displays Oracle IRM Directory Gateway options.
7. Change directory to the **SAMPLES** directory.
8. Use the following command to test the ability to connect and authenticate to Oracle IRM Server:
`csc ript . . \smgateway.wsf -confi g "si mpl e confi g. xml " -val i date`
Oracle IRM Directory Gateway reports whether the test is successful.
9. If successful, use the following command:
`csc ript . . \smgateway.wsf -confi g "si mpl e confi g. xml " -j ob "Dai l y Job"`
Oracle IRM Directory Gateway attempts to add some accounts to Oracle IRM Server.
10. Use Oracle IRM Management Console V4 to verify that the accounts exist.
11. Use the console to delete the accounts now that you have verified that the test succeeded.

Enabling users when synchronizing with an LDAP server.

A patch to Oracle IRM Server is provided that fixes the product software so that user accounts are not disabled when users are synchronized between an LDAP server and Oracle IRM Server.

To install the patch:

1. Shut down Oracle IRM Server (or stop the Oracle IRM Server service).
2. In the \bin directory of the Oracle IRM Server install path, rename smsyncp.dll to, for example, smsyncp_old.dll.
3. From the patch Zip file, extract smsyncp.dll and copy it to the \bin directory of the Oracle IRM Server install path.
4. Restart Oracle IRM Server.