

HP OpenView Select Identity

Connector for CA eTrust Directory

Connector Version: 4.2

Installation and Configuration Guide

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- Commons-beanutils
- Commons-collections
- Commons-logging
- Commons-digester
- Commons-httpclient
- Element Construction Set (ecs)
- Jakarta-poi
- Jakarta-regexp
- Logging Services (log4j)

Additional third party software used by Select Identity includes:

- JasperReports developed by SourceForge
- iText (for JasperReports) developed by SourceForge
- BeanShell
- Xalan from the Apache XML Project
- Xerces from the Apache XML Project
- Java API for XML Processing from the Apache XML Project
- SOAP developed by the Apache Software Foundation
- JavaMail from SUN Reference Implementation
- Java Secure Socket Extension (JSSE) from SUN Reference Implementation
- Java Cryptography Extension (JCE) from SUN Reference Implementation
- JavaBeans Activation Framework (JAF) from SUN Reference Implementation

- OpenSPML Toolkit from OpenSPML.org
- JGraph developed by JGraph
- Hibernate from Hibernate.org
- BouncyCastle engine for keystore management, bouncycastle.org

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1 Introduction

This chapter gives an overview of the HP OpenView Select Identity connector for CA eTrust Directory. An HP OpenView Select Identity connector allows you to provision users and manage identities on CA eTrust Directory. At the end of this chapter, you will be able to know about:

- the benefits of HP OpenView Select Identity
- the role of a connector
- the connector for CA eTrust Directory

About HP OpenView Select Identity

HP OpenView Select Identity (OVSI) provides a new approach to identity management. It helps you manage the entire identity lifecycle of an enterprise application. By using OVSI, you can automate the process of provisioning and managing user accounts and access privileges across platforms, applications, and corporate boundaries. OVSI communicates with the enterprise information system through connectors, and automates the tasks of identity management. The enterprise information system, which is also referred to as **resource**, can be a database, a directory service, or an ERP package, among many others.

About Connectors

You can establish a connection between a resource and OVSI by using a connector. A connector is resource specific. It is installed on the system where OVSI is installed. The combination of OVSI and connector helps you perform a set of tasks on the resource to manage identity. A connector can be **unidirectional** or **bidirectional**. A unidirectional connector helps you manage identities from OVSI, but if any change takes place in resource, it cannot communicate that back to OVSI. On the other hand, a bidirectional connector can reflect the changes made on resource back to OVSI. This property of bidirectional connectors is known as **reverse synchronization**.

About eTrust Connector

The connector for CA eTrust Directory version 5.2 — hereafter referred to as eTrust connector — enables you to perform the following tasks on CA eTrust Directory by using OVSI.

- Add, update, and remove users
- Retrieve user attributes

- Enable and disable users
- Verify a user's existence
- Change user passwords
- Reset user passwords
- Retrieve all entitlements
- Retrieve a list of supported user attributes
- Grant and revoke entitlements to and from users, including the addition of users to multiple Operating Units
- Change log retrieval



This connector can be used with OVSI version 4.0.

2 Installing the Connector

eTrust connector is packaged with the following files.

Table 1 eTrust Connector Files

Serial Number	File Name	Description
1.0	TALDAPv3.rar	It is the Resource Adapter Archive (RAR) file for the connector. It contains the connector binary files.
2.0	schema.jar	It contains the attribute mapping file (CAEtrust40.xml) for this system, which controls how the OVSI fields are mapped to CA eTrust Directory LDAP fields.

These files are located in the `LDAP Etrust` directory on the Select Identity Connector CD.

System Requirements

The eTrust connector is supported in the following environment:

Table 2 Platform Matrix for eTrust Connector

Select Identity Version	Application Server	Database
3.0.2	WebLogic 8.1.2 on Windows 2003	SQL Server 2000
	WebLogic 8.1.2 on Solaris 9	Oracle 9i
	WebLogic 8.1.2 on HP-UX 11i	Oracle 9i
	WebSphere 5.1.1 on Solaris 9	DB2 8.2 (or DB2 8.1 Service Pack 7)
3.3	WebLogic 8.1.4 on Windows 2003	SQL Server 2000

Table 2 Platform Matrix for eTrust Connector

Select Identity Version	Application Server	Database
3.3.1	WebLogic 8.1.4 on Windows 2003	SQL Server 2000
	WebSphere 5.1.1 on HP-UX 11i	Oracle 9i
4.0	The Active Directory LDAP connector is supported on all the platform configurations of Select Identity 4.0.	

The connector is supported with eTrust Directory 4.0 on Windows 2000.

Installation Procedure

Perform the following tasks to install the eTrust connector on OVSI system.

- 1 Install Secure LDAP
- 2 Deploy the Connector on Application Server
- 3 Configure the Connector with OVSI

Extract the Contents of Schema File

Create a subdirectory in the OVSI home directory on OVSI system. Extract the contents of `schema.jar` file to this subdirectory. Ensure that the `CLASSPATH` environment variable in the application server startup script references this `Schema` subdirectory.

Deploy the Connector on Application Server

You must deploy the RAR file (`TALDAPv3.rar`) of the connector on an application server. Before deploying the RAR file, you must copy it to a local directory from the connector CD. Refer to *HP OpenView Select Identity Connector Deployment Guide* for more information on deploying a connector on an application server.

Configure the Connector with OVSI

After deploying the connector to an application server, you must configure it with OVSI. Before configuring the connector with OVSI, connect to the Lightweight Directory Access Protocol (LDAP) server by using an LDAP browser or any other utility. This can ensure that the LDAP resource is available and the correct parameters are known before deploying the resource in OVSI.

To configure the connector with OVSI, perform the following steps.

- 1 Add a new connector – Add a new connector on OVSI. Refer to *HP OpenView Select Identity Connector Deployment Guide* for information on adding a new connector. While adding the connector, under Current Resource Connectors section in Manage Connectors page, do the following:
 - In the Connector Name text box, specify a name for the connector.
 - In the Pool Name text box, enter **eis/LDAPv3**.
 - Under Mapper Available section, select **No**.
- 2 Add a resource — You must add a resource to OVSI that uses the newly added connector. Refer to *HP OpenView Select Identity Connector Deployment Guide* for the instructions to achieve this. While entering the resource parameters for eTrust connector, refer to the table below.

Table 3 Resource Configuration Parameters

Field Name	Sample Values	Description
Resource Name	eTrust	Name of the target resource.
Resource Type	ETRUST	The connector that was deployed in step 1 on page 11.
Authoritative Source	No	Whether this resource is a system that is considered to be the authoritative source for user data in your environment. You must specify No because the connector cannot synchronize account data with the Select Identity server.
Associate to Group	Selected	Whether the system uses the concept of groups. For this LDAP connector, select this option.
Access URL	ldap://136.168.1.20:389	URL to access the resource.
Suffix	c=AU	The domain(s) to which the users will be provisioned.
Login Name	admin	Login account with administrative privileges to add and delete users. This is required to log in to the resource.
Password	Password123	Password corresponding to the login account.
User Suffix	ou=ADMINISTRATIO N, ou=CORPORATE, ou=DEMOCORP	Suffix of user's distinguished name. This is the location in the tree where the users will be provisioned.
User Object Class	top,person,organizatio nalperson,inetorgperso n	Object class for the users.

Table 3 Resource Configuration Parameters

Field Name	Sample Values	Description
Group Suffix	ou=ADMINISTRATIO N, ou=CORPORATE, ou=DEMOCORP	Suffix part of group's distinguished name. This is the location in the tree where the user groups will be provisioned. This parameter is optional (you can leave this field blank).
Group Object Class	OrganizationalUnit	Object class of user groups.
Mapping File	CAEtrust40.xml	Location of the connector mapping file, which is used to map resource attributes to Select Identity attributes.
Cleanup Groups	<i>Selected</i>	Whether to delete the user's entitlements when the user is deleted from Select Identity.

- 3 Map the attributes — You must map the OVSI attributes to the attributes of the resource. Refer to *HP OpenView Select Identity Connector Deployment Guide* for information on mapping attributes. While mapping the attributes, refer to the following table for resource specific mapping information.

Table 4 eTrust Mapping Information

Select Identity Resource Attribute	Active Directory LDAP Attribute	Description
User Name	cn	Key field on the resource
Password	UnicodePwd	
First Name	givenname	
Last Name	sn	
User Name	samaccountname	
FirstName + LastName	displayname	
Directory	homeDirectory	
Last Name + First Name	userPrincipalName	
Address 1	streetAddress	
Address 2	postOfficeBox	
City	l	
State	st	
Zip	postalCode	
Title	title	
Business Phone	telephoneNumber	

Table 4 eTrust Mapping Information

Select Identity Resource Attribute	Active Directory LDAP Attribute	Description
Home Phone	homePhone	
Profile Path	profilePath	
Script Path	scriptPath	
Description	description	
Disable function	userAccountControl=514	Disables a user
Enable function	userAccountControl=512	Enables a user

- 4 Associate the newly added resource to a service. Refer to the chapter *Service Studio* of *HP OpenView Select Identity Administrator Guide* for more information on service.

3 Uninstalling the Connector

If you want to uninstall a connector from OVSI, perform the following steps:

- 1 Remove all resource dependencies.
- 2 Delete the connector from OVSI.
- 3 Delete the connector from application server.

See *HP OpenView Select Identity Connector Deployment Guide* for more information on deleting the connector from OVSI and application server.

