

HP OpenView Select Access

For the Windows® Operating System

Software Version: 6.1

Integration Paper for Oracle10g Application Server

September 2005



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1 Understanding Your Select Access Integration

Select Access is an integral part HP's comprehensive Identity Management suite. It delivers a full solution for complex access management across the enterprise. Select Access:

- Automates access control and identity life-cycle management for profiles of identities trying to access you Oracle10g application server.
- Extends the enterprise through federation.
- Delegates management to business owners and the end users themselves.

Along with robust workflow, user self-service, reporting, and delegated administration capabilities, Select Access is the most comprehensive access control system available. Select Access simplifies your ability to secure Oracle10g application server identity access to corporate resources.

Assumptions in this Document

This document assumes the following:

- That you have a complete knowledge of how a user service directory varies from that of other LDAP 3.0-compliant deployments.
- That you have an intimate understanding of the Oracle10g application server.
- That you understand the features and functions of Select Access.

Integrating Select Access with Oracle10g application server

The Oracle10g application server is a set of services that allows for the deployment of applications in a distributed computing environment. This server sits between the client and the directory server and manages application logic from this central location. The communication of user requests and responses is typically in HTTP format and is handled by Oracle's HTTP Server, which is powered by Apache. Oracle10g application server is available for Windows platforms.

Understanding the Key Components of this Integration

To protect Oracle10g application server resources with Select Access, you need to ensure the following:

- That you only use Select Access as the server's security mechanism, by disabling the Oracle10g application server's internal mechanism.
- That you only protect content that users try to access via the Web Server. This content generally consists of HTML files, JSP files, and any links that launch java servlets.

- How to use the Select Access Policy Builder—the Java GUI that provides you with a view of all identities in your Oracle10g application server repository as well as all corporate assets that you want to protect with Select Access. The combination is displayed as a hierarchical matrix which can be easily expanded and contracted to facilitate quick navigation and simply manage your access and authentication policies.



For a complete overview of all Select Access components, refer to the *HP OpenView Select Access 6.0 Installation Guide*.

2 Integration Tasks

To ensure Select Access and Oracle10g application server function properly as a unit, you must follow a specific series of steps to integrate them correctly. [Table 1](#) summarizes the steps you need to perform to configure and delegate all authentication and authorization responsibilities to Select Access.

Table 1 Integrating Select Access with Oracle10g application server

Setup Task	Details
Step 1 : Install Oracle10g application server.	Oracle10g application server's documentation
Step 2 : Install an Apache 2 Enforcer plugin, Sun/Netscape/iPlanet Enforcer plugin, or IIS Enforcer plugin on the machine running Oracle10g application server's HTTP Server. Modify the binaries you install by copying an Oracle-specific DLL for this server.	<ol style="list-style-type: none"> 1 Run the Select Access installer. 2 Click Next until you reach the Choose Select Access components installation screen. 3 Install and configure an Enforcer plugin on the Oracle10g application server host. 4 Do not check either of the following two boxes: <ul style="list-style-type: none"> — Update Web server configuration to load the Enforcer Plugin — Restart Web server 5 Copy the <code>\solutions\oracle\oracle_apache_web32.dll</code> file from the Select Access CD to the following host computer's disk location: <pre><Select Access install path>\bin</pre> <p>For details, see the <i>HP OpenView Select Access 6.1 Installation Guide</i>.</p>
Step 3 : Run the Generic Enforcer plugin setup wizard and create a configuration file that you will need.	<ol style="list-style-type: none"> 1 Run the Setup Tool and click Next until you reach the wizard for the Generic Enforcer plugin. 2 Configure this plugin as required for your deployment. 3 Ensure you name and save the configuration parameters to the following location: <pre><Select Access install path>\bin\enforcer_apache.xml.</pre> <p>For details, see Chapter 8, Configuring the Enforcer Plugins, in the <i>HP OpenView Select Access 6.1 Installation Guide</i></p>

Table 1 Integrating Select Access with Oracle10g application server (cont'd)

Setup Task	Details
<p>Step 4: Edit the <code>httpd.conf</code> file so that it automatically loads the Enforcer plugin upon startup.</p>	<ol style="list-style-type: none"><li data-bbox="792 279 1466 384">1 Open the <code>httpd.conf</code> file: <pre><Oracle_install_path>\Apache\Apache\conf</pre><li data-bbox="792 405 1466 583">2 In the <code>LoadModule</code> section of the file, add the following line to the beginning of the list: <pre>LoadModule enforcer_module C:\Program Files\HP OpenView\Select Access\bin\oracle_apache_web32.dll</pre><li data-bbox="792 594 1466 699">3 In the <code>ClearModuleList</code> section of the file, add the following line as the last list entry in the list: <pre>AddModule mod_enforcer.cpp</pre><li data-bbox="792 720 1466 814">4 Save the <code>httpd.conf</code> file and restart your Oracle10g application server for these changes to take effect.
<p>Step 5: Add your Oracle HTTP server to the Resources Tree as a resource service branch in the Policy Builder.</p>	<ol style="list-style-type: none"><li data-bbox="792 842 1466 863">1 Right-click a folder or the root of the Resources Tree.<li data-bbox="792 884 1466 936">2 Click Run Discovery → Services. The Discover Networks Services dialog box appears.<li data-bbox="792 957 1466 1104">3 Provide the required information on the Networks and Protocols tabs and then click OK. For details, see Chapter 3, <i>Building your Identities and Resources Trees</i> in the <i>HP OpenView Select Access 6.1 Policy Builder Guide</i>. <p>Note: For details on performing this procedure manually, see Chapter 3, <i>Building your Identities and Resources Trees</i> in the <i>HP OpenView Select Access 6.1 Policy Builder Guide</i>.</p>

Table 1 Integrating Select Access with Oracle10g application server (cont'd)

Setup Task	Details
<p>Step 6: Add the resources you want to protect under the services you just created.</p>	<ol style="list-style-type: none"> 1 Make sure you have configured the network resource plugin. 2 On the Resources Tree, right-click the service you want to scan for available resources. 3 Click Run Discovery→Resources. The Discover Network Resources dialog box appears. <ul style="list-style-type: none"> • Information about the service’s representative server is entered automatically in the Protocol, Hostname, and Port Number fields. (This information is taken from the service’s properties.) • If you have configured a plugin for the protocol used by the service, the plugin’s configuration details are entered automatically in the Plugin Settings field. 4 Select Run Resource Discovery Plugin and fill out the fill in any empty fields. 5 Select the location on the Resources Tree to add the resources. 6 Click OK. <p>For more details on performing a discover or even to add resources manually, see For details, see Chapter 3, Building your Identities and Resources Trees in the <i>HP OpenView Select Access 6.1 Policy Builder Guide</i>.</p>
<p>Step 7: Configure the authentication service you want to use with Oracle10g application server in the Authentication Servers dialog box. This integration supports the following types of authentication services:</p> <ul style="list-style-type: none"> • Certificate • Password • RADIUS • Registration • SecurID 	<ol style="list-style-type: none"> 1 Click Tools →Authentication Service, then in the Authentication Service dialog box, click the Add button. The Authentication Method dialog box appears. 2 In the Service Name box, enter a name for the server. The name must contain at least two characters. 3 In the Authentication Methods group, determine what method the server uses to authenticate users. 4 Click OK to configure the server properties for the corresponding authentication server.
<p>Step 8: Set your access policies against Oracle10g application server’s content.</p>	<p>Set allow, deny, and conditional rules on resources as needed. For details, see Chapter 7, Controlling Network Access in the <i>HP OpenView Select Access 6.1 Policy Builder Guide</i>.</p>

