

Oracle[®] Entitlements Server 10g (10.1.4.3)

Release Notes

September 2008

ORACLE[®]

Release Notes, Oracle® Entitlements Server 10g (10.1.4.3)

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Oracle Entitlements Server 10g (10.1.4.3) Release Notes

Note: Oracle Entitlements Server was previously known as BEA Aqualogic Enterprise Security. Some items, such as schema objects, paths, and others may still use the term "ALES."

This document contains the following sections:

- [“Features and Changes in This Release” on page 1](#)
- [“Supported Configurations” on page 3](#)
- [“Known Issues” on page 6](#)

Features and Changes in This Release

This release has several new and changed features as described below:

- [“Enhanced Entitlements Administration Application” on page 2](#)
- [“Single Java API” on page 2](#)
- [“New Platform Support” on page 2](#)
- [“Internationalization Support” on page 2](#)
- [“Deprecated Platforms” on page 3](#)

Enhanced Entitlements Administration Application

- The Entitlements Administration Application now provides organization and application objects that allow you to organize policies by application.
- The Entitlements Administration Application now provides a policy simulation function that allows a user to analyze the distributed policies currently securing an application. For details, see the Policy Managers Guide.

New Platform Support

Administration Server

The Administration Server is now supported on IBM WebSphere 6.1 on AIX 5.3.

SSMs

SSMs now provided for Microsoft Office SharePoint Server, WebLogic Portal 10.2, and Internet Information Server 6.0. Also provided is the RMI SSM that allows communication with a centralized SSM over RMI protocol.

Single Java API

The Java API implementation was updated to allow seamless invocation of the Web Service or RMI SSM. The implementation also provides decision caching and failover capabilities while using a remote SSM.

Internationalization Support

OES was designed to handle double bytes and was tested with Chinese and French characters. Here is the scope of internationalization support in this release:

- Installation
 - OES can be installed with any locale.
- Functionality Affecting Applications Secured by OES
 - Users may log in using multibyte username and password.
 - It is possible to pass multibyte values from the application context.
 - It is possible to return responses as multibyte strings.

- All returned error, warning, and other messages are externalized into a message catalog or resource bundle to allow localization.
- Auditing of authentication and authorization decision preserves multibyte data.
- **Functionality Affecting OES Administrators**
 - Users, groups, and roles in the OES policy store may consist of multibyte names and passwords.
 - While attribute names must consist of ASCII characters, attribute *values* may consist of multibyte characters. This includes all attribute types (static, resource, user, and dynamic ones).
 - Policy definitions may contain multibyte user and group names.
 - All audited management operations preserve multibyte data.

Deprecated Platforms

- SSM support for IIS 5.0 is deprecated in this release.
- The Entitlements Administration Application is not supported on WebLogic Server 8.1.

Supported Configurations

This section documents the core components and security service modules supported in this release.

Core Components

[Table 1](#) lists the platforms for core components supported in this release.

Table 1 Core Components

Component	Platforms	Operating Systems
Admin Console Browser	MS IE 6.0, 7.0	Windows 2000 SP4, 2003 R2, XP SP2
E-UI Browser	MS IE 6.0, 7.0 Firefox 2.0.x	Windows 2000 SP4, 2003 R2, XP SP2

Table 1 Core Components

Component	Platforms	Operating Systems
Admin Server Platform	WebLogic Server ¹ 9.2 MP2 WebLogic Server 10.0 MP1 WebLogic Server 10gR3 (10.3) ² WebSphere Application Server 6.1 ³ Tomcat 5.5.23 ⁴	Sun Solaris 8, 9, 10 (32-bit) Windows 2000 SP4, 2003 R2, XP SP2, Red Hat Adv. Server 3.0, 4.0 Suse Linux ⁵ 9.2 & 10.0 AIX 5.3 ⁶
OES Policy Store	Oracle 9.2.0.5, 10.1.2, 10.2.0.2, 11.1.0.6 Sybase 12.5.3, 15 MS-SQL 2000 & 2005 PointBase 5.1 DB2 Universal DB Enterprise Server 9.1	
OES Policy Export	AquaLogic Enterprise Repository 2.6 & 3.0	
User Directory	Oracle Identity Directory 10.1.4.2 Microsoft Active Directory 2000 & 2003 ⁷ Microsoft ADAM SunONE Directory Server v5.2 Novell eDirectory v8.7.31 Open LDAP v2.2.24 Oracle 9.2.0.5, 10.1.2, 10.2.0.2, 11g Sybase 12.5.3, 15 DB2 Enterprise Server Edition 9.1 MS-SQL 2000 & 2005 PointBase 5.1	
IDEs	WebLogic Workshop 9.0 & 10.0 Studio 3.0 MS Developers Studio 2007	

1. All WebLogic Servers can use either the Sun JVM or JRockit JVM that ships with WLS 9.x/10.x. JRockit JVM supported on Intel hardware only.
2. Requires Cumulative Patch 1 or later.
3. WebSphere 6.1 is a supported Administration server platform initially on AIX 5.3 and Solaris 8, 9, 10.
4. Tomcat supported only with JDK 5.0
5. Suse Linux is supported on both 32-bit and 64-bit hardware.
6. Administration server support on AIX 5.3 is for WebSphere 6.1 only.
7. Includes support for Active Directory Application Mode (ADAM).

OES Security Modules

Table 2 lists the security service modules supported in this release.

Table 2 Security Modules

Category	Platform Version(s)	Windows ¹	Solaris 8, 9, 10	RHAS ² 3.0, 4.0	Suse ³ 9.2, 10.0	AIX 5.3 ⁴
Web Services / RMI	MS .NET 1.1 & 2.0 ⁵ WL Workshop 9.0, 10.0 Studio 3.0	Yes	Yes	Yes	Yes	No
Oracle WebLogic Products	WebLogic Server ⁶ 8.1.5, 8.1.6, 9.2.2, 10.0 MP1, 10.3 ⁷ WebLogic Portal 8.1.5, 8.1.6, 9.2.2, 10.0.1, 10.2 WebLogic Integration 9.2.2	Yes	Yes	Yes	Yes	No
Other Oracle Products	ODSI (formerly ALDSP) 2.5, 3.0, 3.1 ⁸ OSB (formerly ALSB) 2.6, 3.0 ⁹ OBPM (formerly ALBPM) 6.0	Yes	Yes	Yes	Yes	No
IBM WebSphere	WebSphere 6.1	Yes	Yes	Yes	Yes	Yes
Java	Sun JVM 1.4.2, 5.0, 6.0 JRockit 1.4.2, 5.0, 6.0 IBM JDK 1.4.2, 5.0 ¹⁰	Yes	Yes	Yes	Yes	No
Web Servers	Apache MS IIS 6.0 ¹¹	Yes	Yes	Yes	Yes	No
Other Applications	Oracle Database 10g Documentum Content Server v5 Microsoft Office SharePoint Server 2007	Yes Yes Yes	No Yes N/A	No Yes N/A	No Yes N/A	No Yes N/A

1. Windows 2000 SP4 and higher, Windows 2003 R2 and higher, Windows XP SP2 and higher.
2. RedHat Advanced Server
3. Suse Linux is supported on both 32-bit and 64-bit hardware.
4. AIX installer via Distribution Archive.
5. NET Web Services client on Windows 2000 and 2003 only.

6. All WebLogic Servers can use either the Sun JVM or the JRockit JVM that ships with the WLS 9.x/10.x. JRockit JVM supported on Intel hardware only.
7. For WebLogic Server 10.3, Cumulative Patch 1 or later is required.
8. OSDI 2.5 on WLS 8.1.x, OSDI 3.0 on WLS 9.2 MP2, OSDI 3.1 on WLS 10.0 MP1
9. OSB 2.6 running on WLS 9.2, OSB 3.0 running on WLS 9.2 MP1 and WLS 10.0 MP1.
10. IBM JDK support on AIX 5.3 only.
11. IIS 6.0 support on Windows 2003 only.

Known Issues

Table 3 lists the known issues in this release.

Table 3 Known Issues in This Release

CR	Description
CR374003	When re-installing the Administration Server, make sure the following caching directory is empty: Tomcat_Home\work\AlesEngine.
CR379084	To upgrade from ALES 2.6 when installing both the SSMs and the Administration Server in the same BEA HOME, delete all files in the SSM root directory. This does not include files in child directories.
CR371062	Upgrading the Administration Server over ALES 2.2 on Tomcat will automatically upgrade the JDK to version 1.5.
CR373474 CR374117	On AIX platforms, the Administration Server and SSM run on 64-bit JDKs, the SSM Instance Wizard tool runs only on 32-bit JDKs. Therefore, to install the distribution archive on AIX, you must: <ol style="list-style-type: none"> 1. Assign the JDK tokens in <code>post-processing.properties</code> (refer to README - Step #3) to a 64-bit JDK. 2. After running <code>ant -f post-processing.xml pp</code>, you must change <code>JAVA_HOME</code> in all SSM instance wizard files (e.g., <code>ales32-ssm\java-ssm\adm\instancewizard.cmd</code>) to use a 32-bit JDK. 3. After creating a WebSphere SSM instance, edit the following files and modify <code>JAVA_HOME</code> to use a 63-bit JDK: <pre> ..\websphere-ssm\instance\test\adm\ssm_instance.properties ..\websphere-ssm\instance\test\bin\set-env.bat (sh) ..\websphere-ssm\instance\test\bin\upgrade_providers.bat (sh) </pre>

Table 3 Known Issues in This Release

CR	Description
CR377179	Upgrades from ALES 2.2 when Sybase is the datastore requires specialized procedures. Contact Oracle support for assistance.
CR365669	When Sybase is used as the policy repository, policy queries cannot contain more than 24 parameters. Queries with more than 24 parameters will fail.
CR370768	When upgrading from ALES 3.0 on WebLogic Server 10.0, the following tokens must be manually replaced in BEA_HOME\ales32-admin\asiDomain\autodeploy\asi.ear\asi.war\WEB-INF\web.xml: @shared.dir@ @ca.validity@ @asi.properties@
CR375337	When removing the Administration Server, a message may indicate that, “ <i>Some components are not selected because they are required by another product</i> ”. This message can be ignored.
CR377470	Currently, the Oracle SSM is not supported on Linux or UNIX.
CR379196	The SSM configuration tool does not support the new organization and application objects. The out-of-box policies for all SSMs, including the SharePoint SSM, will be created under RootOrg/DefaultOrg/DefaultApp. The SSM configuration will be bound to the root resource. If desired, you may define an application and manually re-define the policies under it. When you do so, the SSM binding must be set on the application, not the root resource.
CR369535	In order to stop a WebLogic domain being secured by OES, the BEA_HOME\ales32-admin\lib\framework.jar file must be included in the CLASSPATH environment variable.
CR372213	To run the EJBAppExample on WebLogic Server 8.1, you must add the following line to build.xml: pathelement=\${ales.wls.ssm.home}/lib/framework.jar
CR372063	When securing WebLogic Portal, user management through the WebLogic Portal administration console is not supported.
CR379318	In order to run the Java API example on AIX, you must manually add -Xverify:none to JAVA_OPTIONS.

Table 3 Known Issues in This Release

CR	Description
CR379195 CR377563	There is known issue in ALSB 3.0 when it is protected by OES. Please contact oracle support for the solution.
CR371377	<p>One of two methods must be used to support multiple application sessions in the Entitlements Administration Application.</p> <ul style="list-style-type: none"> • Make sure that the Autosave checkbox is selected in all Entitlements Administration Application windows. • Add extra settings to the Database as shown below: <p>SQL Server 2005 alter database db_name set READ_COMMITTED_SNAPSHOT ON</p> <p>DB2 db2set DB2_EVALUNCOMMITTED=ON db2set DB2_SKIPDELETED=ON db2set DB2_SKIPINSERTED=ON</p> <p>Sybase alter table TABLE_NAME lock datarows</p>
CR372955 CR379402	Although an identity attribute value can be created with a null value, once an attribute value has been set to a non-null value, the value cannot be changed to null.
CR372196	If a role/resource/identity attribute is created and then deleted, you may recreate it so long as the attribute type does not change. However, you cannot recreate it as a different type. For example, after an attribute named CustStatus of type <i>string</i> is created and then deleted, you cannot create an attribute of the same name of type <i>integer</i> .
CR378734	After changing a group attribute value, perform a refresh so the correct and complete information will display.
CR372569	A role or resource attribute used in a policy definition cannot be deleted until it is removed from the policy.
CR378374	Attribute range values such as [1..100] are not supported.
CR376807	When displaying policies, the delegator parameter is not working properly. Users who want to perform a policy query with delegator parameter can use 'Filter' function, which returns compound policy results.
CR377880	A maximum of ten identity directories can display in an organization.

Table 3 Known Issues in This Release

CR	Description
CR375125	After creating an identity directory, perform a refresh to completely display the current information.
CR378976	When viewing a role, the Refresh button does not refresh the role's policies. As a workaround, select a different role in the Roles list and then reselect the role.
CR371989	<p>For internal purposes, the creation of a role attribute also creates a dynamic attribute of the same name. The created dynamic attribute can be ignored, but you cannot create a dynamic attribute using the same name.</p> <p>If a policy exported from the database contains a role attribute, it will also contain a corresponding dynamic attribute of the same name. The dynamic attribute must be removed from the file before it can be used for a policy import.</p>
CR380030	The version of policyIX.bat provided in the bin directory of all SSM instances has a bug. As a workaround, use the policyIX.bat provided with the Administration Server.
CR379499	Policy data cannot be imported to RootOrg\EntitlementUI application. If policy data contains the application, please remove it.
CR349585	If you intend to load a large set of policy using the Policy Loader tool, then it is advisable not to do so in a single transaction (which is the default). You can turn off Transaction across an entire policy set by setting "disableTransaction" to true for the Policy Loader.
CR347420	The perfDB Audit provider does not currently record Authentication Statistics.
CR380213	<p>When you restart an Administration Server running in WebSphere and attempt to log in to the administration console (<a href="https://<host>:7010/asi">https://<host>:7010/asi), you receive an Access Denied response, regardless of the log in credentials</p> <p>As a workaround, navigate to the log in screen of the Entitlements Administration Application (<a href="https://<host>:7010/entitlementsadministration">https://<host>:7010/entitlementsadministration) — you do not need to actually log in. Then return to the administration console and log in as usual.</p>

