

Oracle® Identity Manager

Release Notes

Release 9.0.1

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This document contains release notes for Oracle Identity Manager Release 9.0.1. It includes these topics:

- [What's New in Oracle Identity Manager?](#)
- [Certified Configurations](#)
- [Installation and Configuration Issues and Workarounds](#)
- [General Issues and Workarounds](#)
- [Documentation Accessibility](#)

Note: Oracle Identity Manager Connectors, which were previously referred to as resource adapters, are no longer bundled with Oracle Identity Manager. Oracle Identity Manager Connectors are now distributed several times a year in the Oracle Identity Manager Connector Pack, independent from Oracle Identity Manager.

See Also: The following documentation, located on your installation media, for detailed information on Oracle Identity Manager:

- *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 Best Practices Guide*
- *Oracle Identity Manager Design Console Guide*
- *Oracle Identity Manager Administrative and User Console Guide*
- *Oracle Identity Manager Administrative and User Console Customization Guide*
- *Oracle Identity Manager Tools Reference Guide*
- *Oracle Identity Manager API Usage Guide*
- *Oracle Identity Manager Audit Report Developer's Guide*
- *Oracle Identity Manager Glossary of Terms*

1 What's New in Oracle Identity Manager?

Oracle Identity Manager Release 9.0 introduces new audit and compliance features ranging from data availability to process automation. Customers can now implement a systematic methodology to fulfill recurring audit and compliance requirements. The requirements include regulatory mandates such as Sarbanes-Oxley and internal information security best practices. Additional new features include:

Extended user profile auditing enables customers to capture a wider and deeper range of historical data related to user profiles. This information enables an enterprise to identify "Who Has What When and How" regarding individual user access to IT resources. This feature can determine the exact mechanism that triggered the grant of an access right to an individual user.

Embedded reporting framework improves the accessibility to and manageability of all transactional and historical data. This includes the following:

- A reporting, or secondary, database that is separate from the main Oracle Identity Manager database
- An embedded reporting engine with CSV export capability
- A pluggable architecture to facilitate standard reports
- Enhanced support for third-party reporting tools
- A framework for customizing the metadata of the reporting database

Attestation functionality: Attestation is the process of having people or system managers confirm people's access rights on a periodic basis. Existing Sarbanes-Oxley requirements demand enterprises to perform attestation for all financially significant systems every 3 to 6 months. In Release 9.0, Oracle Identity Manager delivers a flexible attestation solution to help enterprise customers meet these regulatory requirements. By setting up attestation processes with Oracle Identity Manager, enterprise customers can automate the process of generation, delivery, review, sign-off, delegation, tracking, and archiving of user access right reports for reviewers on a scheduled or ad-hoc basis.

Enhanced Deployment Manager functionality handles IT resources as a special case by giving users the option to either create a new instance or provide parameter values to the imported instance.

Note:

- The Deployment Utility of the Oracle Identity Manager Design Console is discontinued in Release 9.0. Instead, use the Deployment Manager, which is available in the Oracle Identity Manager Administrative and User Console. Refer to the *Oracle Identity Manager Administrative and User Console Guide* for information on using the Deployment Manager.
 - The Administrative Console is now referred to as the Administrative and User Console.
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2 Certified Configurations

Oracle Identity Manager Release 9.0.1 is certified for clustered and non-clustered installations with the configurations listed in [Table 1](#).

Table 1 Oracle Identity Manager Release 9.0.1 Certified Configurations

Application Server	Platform	Database
WebSphere 5.1.1.5	Windows 2003	Oracle 10.2.0.1
	Windows 2003	Oracle 9.2.0.7
	RedHat Linux AS 4.2	Oracle 10.2.0.1
	RedHat Linux AS 4.1	Oracle 10.2.0.1
	RedHat Linux AS 4.1	Oracle 9.2.0.7
	Solaris 9	Oracle 10.2.0.1
	Solaris 9	Oracle 9.2.0.7
	AIX 5L 5.3	Oracle 10.2.0.1
WebLogic 8.1 SP4	Windows 2003	Oracle 10.2.0.1
	Windows 2003	Oracle 9.2.0.7
	Windows 2003	SQL Server 2000 SP3a
	Solaris 10	Oracle 10.2.0.1
	Solaris 10	Oracle 9.2.0.7
JBoss 4.0.2	Windows 2003	Oracle 10.2.0.1
	Windows 2003	Oracle 9.2.0.7
	Windows 2003	SQL Server 2000 SP3a
	RedHat Linux AS 4.1	SQL Server 2000 SP3a

The following additional components have been certified as part of the Release 9.0.1:

- Single Sign-On with COREid 7.0/RSA ClearTrust 5.5
- Microsoft Internet Explorer 6.0
- Oracle Identity Manager Design Console OS Support
 - Windows 2003 (all versions)
 - Windows XP (all versions)

3 Installation and Configuration Issues and Workarounds

This section describes installation and configuration issues and their workarounds for Oracle Identity Manager Release 9.0.1. It contains the following topics:

- [SSO Login Fails When "Force to set questions at startup" is TRUE \(Issue 5991\)](#)
- [System Error May Occur When Accessing Administrative and User Console after Database is Restarted \(Issue 6084\)](#)
- [The Attestation Tab is Visible in the Workflow Visualizer \(Issue 6071\)](#)
- [An Exception is Thrown When JBoss is Started on Linux \(Issue 6087\)](#)
- [Installation Fails When The Database User Name Includes Special Characters \(Issue 6220\)](#)
- [Deployment Manager Requires JRE 1.4.2 \(Issue 6639\)](#)
- [Upgrade Issues with Existing Adapters \(Issue 6683\)](#)

- [Oracle Identity Manager Not Certified for WebSphere 5.1.1.5 /SQL Server Configuration \(Issue 7135\)](#)
- [Warning Message Displayed During Installation from Distribution Media \(Issue 7160\)](#)
- [Resolved Installation Issues](#)

3.1 SSO Login Fails When "Force to set questions at startup" is TRUE (Issue 5991)

The Oracle Identity Manager Web client does not support password reset questions in single sign-on mode. Therefore, when the "Force to set questions at startup" flag is set to TRUE, login fails. The workaround for this problem is:

1. Log into the Design Console as **xelsysadm**.
2. Search for the system configuration parameter "**Force to set questions at startup**", set it to **FALSE**, then save the change.

3.2 System Error May Occur When Accessing Administrative and User Console after Database is Restarted (Issue 6084)

Each application server exhibits different behavior when a database connection is lost during execution. While JBoss can automatically re-establish database connection, WebLogic and WebSphere cannot. With WebLogic, you can define settings for testing reserved connections, in which case the connections are established automatically. For WebSphere, you must configure your database for high-availability.

3.3 The Attestation Tab is Visible in the Workflow Visualizer (Issue 6071)

The tab associated with the new Attestation feature is visible in read-only mode within the Workflow Visualizer when you install Oracle Identity Manager without the optional Oracle Identity Manager Auditing and Compliance module. This is to enable transition to the Auditing and Compliance feature.

You can enable the Attestation tab by installing the Auditing and Compliance module.

3.4 An Exception is Thrown When JBoss is Started on Linux (Issue 6087)

The second and subsequent times a JBoss application server starts, it attempts to create a table that already exists and throws the following exception: "There is already an object named 'JMS_MESSAGES' in the database". This DEBUG-level message does not have any effect on functionality.

To avoid this message, complete the following steps:

1. After your JBoss application has started successfully once, launch a plain-text editor, then navigate to one of the following directories:
 - `jboss_home\server\default\deploy\jms` if your environment is unclustered.

- jboss_home\server\all\deploy\jms if your environment is clustered.
2. Open the `mssql-jdbc2-service.xml` file.
 3. Set the **CREATE_TABLES_ON_STARTUP** flag to **FALSE**, then save and close the file. Ensure not to perform the preceding steps until *after* the initial, successful start up of your JBoss application server.

3.5 Installation Fails When The Database User Name Includes Special Characters (Issue 6220)

The Oracle Identity Manager installer fails when you specify a string that includes special characters such as *,-,', or " for the database user name.

The workaround is to ensure that you specify a database user name that meets the following conditions:

- All characters are alphanumeric
- The first character is a letter
- The string does not contain any special characters

3.6 Deployment Manager Requires JRE 1.4.2 (Issue 6639)

Export using the Deployment Manager may experience problems when Internet Explorer is configured to use Microsoft Virtual Machine.

To reset the default Virtual Machine, perform the following steps:

1. Download and install the Sun JRE 1.4.2_xx from <http://java.sun.com/>.
2. Select Tools from the Internet Explorer menu.
3. Select Internet Options.
4. Select the Advanced tab.
5. Scroll down to "Java (Sun)".
6. Check "Use Java 2v1.4.2_xx for <applet>".
7. Scroll down to "Microsoft VM".
8. Uncheck "Java console enabled" and "Java logging enabled".
9. Restart the computer.

Note: JRE 1.4.2 is not required to run the Oracle Identity Manager Administrative and User Console; it is only required to run Deployment Manager.

3.7 Upgrade Issues with Existing Adapters (Issue 6683)

If you are upgrading from a previous version, note that a new foreign key constraint for `adj_parent_key` column in `adj` table has been added to the Revision 9.0.1 schema. Creation of this constraint may fail during the upgrade process as this logical data dependency was not enforced by Deployment Utility in the past. Please contact Oracle support in case of issues with such a failure.

3.8 Oracle Identity Manager Not Certified for WebSphere 5.1.1.5 /SQL Server Configuration (Issue 7135)

Oracle Identity Manager Release 9.0.1 is not certified for a WebSphere 5.1.1.5/SQL Server configuration.

3.9 Warning Message Displayed During Installation from Distribution Media (Issue 7160)

When installing Oracle Identity Manager 9.0.1 from the distribution media (CD-ROM) in UNIX/Linux environment, when you select the Oracle Identity Manager application to install, a warning message related to changing permission for del_xl_dir.sh may appear. This message can be safely ignored.

3.10 Resolved Installation Issues

[Table 2](#) lists installation and configuration issues that are resolved in Release 9.0.1:

Table 2 *Resolved Installation and Configuration issues in Release 9.0.1*

Issue #	Description
5480	Exception Thrown During Installation of Design Console
5956	APIs Not Loaded for Oracle Identity Manager API Task in UNIX Environments
6801	Cluster property should be set to true in xlconfig.xml for clustered installation
7094	Incorrect KeyManagerFactory values for the remote manager installation
na	Option now available to skip installation of bundled JDK

4 General Issues and Workarounds

This section describes general issues and their workarounds for Oracle Identity Manager Release 9.0.1. It contains the following topics:

- [API Changes](#)
- [Parent Form Field Change Does Not Trigger Task \(Issue 5023\)](#)
- [Administrative and User Console Client User ID Change Limitations \(Issues 5389, 5405\)](#)
- [Errors Occur During Login When a User is Not Assigned to the All Users Group \(Issue 5416\)](#)
- [Pop-up Blockers Prevent Use of Some Components \(Issue 5574\)](#)
- [Deployment Manager 8.5 is Not Compatible with Later Releases \(Issue 5624\)](#)
- [Session Time Out Window Close Button \(Issue 5776\)](#)
- [Downgrading Forms Leaves Old UPA Table Fields \(Issue 6576\)](#)
- [User Profile Audit Messages Fail \(Issue 6641\)](#)
- ["Who Has What" Report Requires a Group for a User \(Issue 6669\)](#)
- [Errors when Provisioning a Resource to XELSELFREG \(Issue 6680\)](#)

- MSDTC May Recycle in JBoss/SQL Configuration
- Exception: ConcurrentModificationException on JBoss 4.0.2 Cluster (Issue 6518)
- In Websphere, Challenge Q&A Link does not Reset Password (Issue 3024)
- Design Console displays the "Realm/Cell is Null" Error (Issue 5479)
- Oracle Identity Manager client doesn't appear in "Add or Remove Programs" (Issue 6870)
- Using Backspace Key in the Design Console Installer on AIX Creates Random Values (Issue 7129)
- RMI Over SSL Option to be Set to "Yes" (Issue 7128)
- Object Form's Object Data Values with Different Column Names appear in the Web client (Issue 6612)
- PurgeCache Utility Fails on Windows Systems (Issue 7138)
- Oracle Identity Manager Product and Documentation Refer to Thor and Xellerate (Issue 7142)
- Attestation Information Not Saved (Issue 7144)
- Resolved General Issues

4.1 API Changes

Refer to the *Oracle Identity Manager API Usage Guide* for information on API changes that were introduced as part of Release 9.0.1. Also, refer to the API JavaDocs included with the release for a full description of all implemented interface functionality.

4.2 Parent Form Field Change Does Not Trigger Task (Issue 5023)

To trigger a task associated with a change to a parent form field, the name of the task must be "*field* Updated", where *field* is the name of the parent form field. If the task is not named according to this convention, then it will not be triggered during field update.

4.3 Administrative and User Console Client User ID Change Limitations (Issues 5389, 5405)

The Administrative and User Console currently allows changes to all Oracle Identity Manager user IDs. For this reason, Administrative and User Console users must be careful not to change their own user IDs, or the user IDs of any seeded system users, such as XELSYSADM.

4.4 Errors Occur During Login When a User is Not Assigned to the All Users Group (Issue 5416)

If a user is not assigned to the All Users group, an error occurs when the user attempts to log in. To resolve this issue, assign the user to the All Users group.

4.5 Pop-up Blockers Prevent Use of Some Components (Issue 5574)

You must disable pop-up blockers to ensure proper functionality for the Deployment Manager and Workflow Visualizer components.

4.6 Deployment Manager 8.5 is Not Compatible with Later Releases (Issue 5624)

Files exported using the Deployment Manager 8.5 cannot be imported with Deployment Manager 8.5.1, 8.5.2, 8.5.3, or 9.0.1. To import files with Deployment Manager 9.0.1, they must also be exported with Deployment Manager 8.5.1, 8.5.2, 8.5.3, 8.5.3.1, or 9.0.1.

Note: Deployment Manager 9.0.1 is backwards-compatible with Deployment Manager 8.5.3, 8.5.2, and 8.5.1. Deployment Manager 8.5.3 is backwards-compatible with Deployment Manager 8.5.2 and 8.5.1. Deployment Manager 8.5.2 is backwards-compatible with Deployment Manager 8.5.1.

4.7 Session Time Out Window Close Button (Issue 5776)

When you click the Close button, the session time out popup window for the Deployment Manager and workflow visualizer does not close.

4.8 Downgrading Forms Leaves Old UPA Table Fields (Issue 6576)

When downgrading a form, or removing fields from it, the UPA table entries remain for the removed fields. This is not a common operation.

4.9 User Profile Audit Messages Fail (Issue 6641)

If the secondary (reporting) database is unavailable during User Profile Audit message processing, the corresponding audit messages fail. In order to prevent potential loss of audit data, disable the "Re-issue Audit Message Task" schedule task and contact Oracle Support.

4.10 "Who Has What" Report Requires a Group for a User (Issue 6669)

The "Who has What" report assumes "ALL USERS" as the group when a group is not specified for a user search. None of the target users that do not belong to the "ALL USERS" group appear.

4.11 Errors when Provisioning a Resource to XELSELFREG (Issue 6680)

There may be JSP errors when attempting to provision a resource to XELSELFREG. Do not modify any settings or assignments for internal system seeded users.

4.12 MSDTC May Recycle in JBoss/SQL Configuration

You may notice an exception such as the following in your Oracle Identity Manager Log file. This results from an exception in the MS SQL Server that can

be seen in the SQL Server system log using the Computer Event Viewer as "MSDTC recycle". A sample error message follows:

```
00:38:45,950 WARN [TransactionImpl] XAException:
tx=TransactionImpl:XidImpl[FormatId=257, GlobalId=lin4qe02/2020, BranchQual=,
localId=2020] errorCode=XAER_RMERR
javax.transaction.xa.XAException: [Microsoft][SQLServer 2000 Driver for
JDBC][SQLServer]xa_start (40000) returns -8
```

This issue is logged with Microsoft as Support Issue SRX06109607041.

4.13 Exception: ConcurrentModificationException on JBoss 4.0.2 Cluster (Issue 6518)

The JBoss application server may generate the following exception in a clustered configuration resulting in a cluster failure when replicating session data:

```
16:43:07,296 ERROR [JBossCacheManager] processSessionRepl: failed with
exception: java.util.ConcurrentModificationException
16:43:07,296 WARN [InstantSnapshotManager] Failed to replicate
sessionId:GzUYJdxlSLVxs7ssRtvWwQ**.tqx00
```

4.14 In Websphere, Challenge Q&A Link does not Reset Password (Issue 3024)

Steps to reproduce:

1. Login as admin user in Web Client.
2. Click the **Reset Password** link on the home page and change the password.
3. Now click the **Challenge Q&A** link on the home page.
4. You will be prompted for a password, enter the new password.

It will not except the new password. It will accept the old password instead.

Note: Do not logout after changing the password until you have verified that the password update was successful.

4.15 Design Console displays the "Realm/Cell is Null" Error (Issue 5479)

When the Design Console runs on a separate machine other than the server, then an error dialog box with "Realm/cell is Null" message is displayed. You should close this dialog box for the client to continue running.

The workaround is to ensure that you change the properties in the `AppClient\properties\sas.client.props` directory.

Original values are:

- `Com.ibm.CORBA.loginSource = prompt`
- `Com.ibm.CORBA.loginTimeout = 300`
- `Com.ibm.CORBA.securityEnabled = true`
- `Com.ibm.CORBA.loginUserid =`

- Com.ibm.CORBA.loginPassword =
- Change the values to:
- Com.ibm.CORBA.loginSource = properties
 - Com.ibm.CORBA.loginTimeout = 300
 - Com.ibm.CORBA.securityEnabled = true
 - Com.ibm.CORBA.loginUserid = xelsysadm
 - Com.ibm.CORBA.loginPassword = xelsysadm

4.16 Oracle Identity Manager client doesn't appear in "Add or Remove Programs" (Issue 6870)

Oracle Identity Manager Design Console is not visible in the Control Panel, Add or Remove Programs option. This is to ensure that you can install more than one version of Oracle Identity Manager on a machine, when needed.

4.17 Searching Date Type UDFs Returns All Records (Issue 6954)

Searching Date type UDFs is not supported for user groups, organizations, or resources.

4.18 Using Backspace Key in the Design Console Installer on AIX Creates Random Values (Issue 7129)

While running the Design Console installer on AIX, if you use the Backspace key, some junk values appear in the text that has been entered. Use only the keys that has been setup to erase the text being entered, and using other keys does not work.

However, sometimes the text might be erased properly on the console but the installer might create directories with control or non-visible characters.

Workaround to this problem is:

To determine what key is setup to erase text being entered type the following command:

```
stty all
```

If the result shows that "^H" is setup to erase text, you should use Control-H key to erase the text. If you want to use the Backspace key for erasing text, then type the following command:

```
stty erase ^?
```

After you perform the above steps, you can use the Backspace key to erase the text.

4.19 RMI Over SSL Option to be Set to "Yes" (Issue 7128)

While installing the Remote Manager, on the Remote Manager Configuration page, choose "Yes" for the RMI Over SSL option. Choosing Yes enables you to run the Remote Manager effectively. Non-SSL mode is not supported.

4.20 Object Form's Object Data Values with Different Column Names appear in the Web client (Issue 6612)

In case of radio button fields, when using a lookup query the "Column Names" property is redundant and not used from the webclient but is required to save the form.

The functionality in webclient is such that for Radio buttons, the "Column names" property is not used at all. Instead, when there is more than one column returned in the query, the first column is the encoded value that is saved to the database and the second column is the decoded value displayed to the user.

When there is only one column in the query, that becomes both the encoded and decoded value. Hence, when defining a Radio button field specify the Column Names property as any column name to save the form. But the ones that will be used are those that are obtained from the query.

4.21 PurgeCache Utility Fails on Windows Systems (Issue 7138)

The PurgeCache.bat utility fails on Windows systems if the CLASSPATH does not include the log4j libraries. To resolve this issue:

1. Open the `XL_HOME\bin\PurgeCache.bat` file in a text editor.
2. Locate the following statement:

```
set CLASSPATH=%CLASSPATH%;%XEL_EXT%\crimson.jar;%XEL_EXT%\dom.jar;%XEL_
EXT%\oscache.jar;%XEL_EXT%\commons-logging.jar;%XEL_
EXT%\javagroups-all.jar
```

3. Append the path to the log4j libraries to the preceding statement as follows:

```
set CLASSPATH=%CLASSPATH%;%XEL_EXT%\crimson.jar;%XEL_EXT%\dom.jar;%XEL_
EXT%\oscache.jar;%XEL_EXT%\commons-logging.jar;%XEL_
EXT%\javagroups-all.jar;%XEL_EXT%\log4j-1.2.8.jar
```

4.22 Oracle Identity Manager Product and Documentation Refer to Thor and Xellerate (Issue 7142)

This is a transitional release of Oracle Identity Manager following Oracle's acquisition of Thor Technologies. For this reason, some parts of the product and documentation still refer to the original Thor company name and Xellerate product name. For example, Oracle Identity Manager installs to a subdirectory named xellerate beneath the specified installation directory. References to Thor and Xellerate will be rebranded in future releases.

4.23 Attestation Information Not Saved (Issue 7144)

A valid user must be specified for delegation when specifying actions for attestation or any entered data will be lost when you click the Save button.

4.24 Resolved General Issues

The following general issues have been resolved in Release 9.0.1:

Table 3 Resolved General issues in Release 9.0.1

Issue #	Description
4985	Date Field Default Value Limitation
5023	"old value" checkbox may not work for process form/object form fields case
5242	Dependency Created Between Two Resources of Different Target Types
5517	Exported and Imported Files Cannot Include "sysadm"
5532	Dependent approval tasks fail to trigger
5561	Config Property to control whether enabling a user enables disabled provisioned resources or not
5573	Deployment Manager and Workflow Rendering may not function on SSO configuration
5591	Hide system validation confirmation step from user request tracking view
5604	When creating a Group or Organization, the user's Group memberships are automatically added as Administrative
5645	Deployment Manager won't export Data Object Info
5709	Task Assignment rule may fail
6673	"Allowed Reports" may not get imported as part of the group
6713	Password Policies->Min special characters,Max Special Characters discrepancy
6732	Sorting in Reassign of Approval Tasks page may not work in the first two clicks
6813	Access Policy may not save value for checkboxes
6819	Assignment rules for task does not appear on Workflow Vizualizer window
6829	Optional property to not include counter values on Administrative and User Console home page for high volume data
6859	XIP 9.0 server installer does not handle JVM check correctly
6884	Error while importing a group with UDF type Date.
6886	API exceptions while bring up user defined lookup field
6937	Exporting Form may not show the Entity Adapter Dependencies
6945	Not able to modify the value for checkbox for the process form/objectform if default value is "1"
6993	Unable to update the permissions to the Reconciliation Manager/Rules object in the user groups.
7045	Deployment Manager may fail to notify of password validation failures
6723	Changing Application server host name didn't change xlConfig.xml in Design Console installer.
na	Added protect authentication module from SQL injection attacks
na	Added salted CBC encryption option
na	JAVA_HOME variable for JBoss installation now set automatically

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