Oracle® Fusion Middleware
Oracle Access Manager Bundle Patch Readme

12*c* (12.2.1.3.1)

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Oracle Fusion Middleware Oracle Access Manager Bundle Patch Readme, 12*c* (12.2.1.3.1)

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Preface

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  This section describes the documentation that is available to support the latest Bundle Patch and the original release. This section provides the following topics:
- Conventions

Audience

This document is intended for users of Oracle Access Management 12*c* (12.2.1.3.0).

Documentation Accessibility

For information about Oracle's commitment to accessibility, visit the Oracle Accessibility Program website at http://www.oracle.com/us/corporate/accessibility/index.html.

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Oracle customers that have purchased support have access to electronic support through My Oracle Support. For information, visit http://www.oracle.com/pls/topic/lookup?ctx=acc&id=info or visit http://www.oracle.com/pls/topic/lookup?ctx=acc&id=trs if you are hearing impaired.

Accessibility of Code Examples in Documentation

Screen readers may not always correctly read the code examples in this document. The conventions for writing code require that closing braces should appear on an otherwise empty line; however, some screen readers may not always read a line of text that consists solely of a bracket or brace.

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To reach Oracle Support Services, use a telecommunications relay service (TRS) to call Oracle Support at 1.800.223.1711. An Oracle Support Services engineer will handle technical issues and provide customer support according to the Oracle service request process. Information about TRS is available at http://www.fcc.gov/cgb/consumerfacts/trs.html, and a list of phone numbers is available at http://www.fcc.gov/cgb/dro/trsphonebk.html.

Related Documentation

This section describes the documentation that is available to support the latest Bundle Patch and the original release. This section provides the following topics:

- Oracle Access Management Manuals and Release Notes

- Bundle Patch Release Notes

- Certification Documentation

- Oracle Access Management Manuals and Release Notes
  Use the following procedure to find the latest product documentation and Release Notes on Oracle Technology Network (OTN).

- Bundle Patch Release Notes
  Release notes are available with each Bundle Patch from My Oracle Support at:

- Certification Documentation

Oracle Access Management Manuals and Release Notes

Use the following procedure to find the latest product documentation and Release Notes on Oracle Technology Network (OTN).

1. Go to Oracle Technology Network (OTN)

2. Register for a user name and password, if needed.

3. Click Middleware.

4. Under Fusion Middleware, click Identity Management.

5. Select any of the manuals in which Oracle Access Management is documented.

Bundle Patch Release Notes

Release notes are available with each Bundle Patch from My Oracle Support at:

http://support.oracle.com
This document, Oracle Access Management Release Notes, Bundle Patch 12.2.1.3.0 Generic for All Server Platforms, provides the following information for this specific Bundle Patch release:

- General information about Bundle Patches

- General Bundle Patch requirements and installation details

- Details about what is included in this Bundle Patch

This Oracle Access Management Release Notes, Bundle Patch 12.2.1.3.0 Generic for All Server Platforms file is available in HTML format (readme.htm), which you can view without downloading the zip file.

Certification Documentation

To find the ...	Go to ..
Certification Matrix	http://www.oracle.com/technetwork/middleware/ias/downloads/fusion-certification-100350.html
Oracle Fusion Middleware Requirements	http://www.oracle.com/technetwork/middleware/ias/downloads/fusion-requirements-100147.html
Oracle Fusion Middleware Downloads	http://www.oracle.com/technetwork/middleware/downloads/index-087510.html
Oracle Identity and Access Management (12.2.1.3.0) Downloads	http://www.oracle.com/technetwork/middleware/id-mgmt/downloads/oid-11gr2-2104316.html

Conventions

The following text conventions are used in this document:

Convention	Meaning
boldface	Boldface type indicates graphical user interface elements associated with an action, or terms defined in text or the glossary.
italic	Italic type indicates book titles, emphasis, or placeholder variables for which you supply particular values.
`monospace`	Monospace type indicates commands within a paragraph, URLs, code in examples, text that appears on the screen, or text that you enter.

1
Understanding Bundle Patches

Describes Bundle Patches and explains differences between Bundle Patches, patch set exceptions (also known as one-offs), and patch sets.

- Bundle Patch
- Patch Set
- Bundle Patch
- Patch Set

1.1 Bundle Patch

A bundle patch is an official Oracle patch for Oracle Fusion Middleware components on baseline platforms. In a bundle patch release string, the fifth digit indicated the bundle patch number. Effective November 2015, the version numbering format has changed. The new format replaces the numeric fifth digit of the bundle version with a release date in the form "YYMMDD" where:

- YY is the last 2 digits of the year
- MM is the numeric month (2 digits)
- DD is the numeric day of the month (2 digits)

Each bundle patch includes the libraries and files that have been rebuilt to implement one or more fixes. All of the fixes in the bundle patch have been tested and are certified to work with one another.

Each Bundle Patch is cumulative: the latest Bundle Patch includes all fixes in earlier Bundle Patches for the same release and platform. Fixes delivered in Bundle Patches are rolled into the next release.

1.2 Patch Set

A patch set is a mechanism for delivering fully tested and integrated product fixes that can be applied to installed components of the same release. Patch sets include all of the fixes available in previous Bundle Patches for the release. A patch set can also include new functionality.

Each patch set includes the libraries and files that have been rebuilt to implement bug fixes (and new functions, if any). However, a patch set might not be a complete software distribution and might not include packages for every component on every platform.

All of the fixes in the patch set have been tested and are certified to work with one another on the specified platforms.

2

Bundle Patch Requirements

To remain in an Oracle-supported state, apply the Bundle Patch to all installed components for which packages are provided. Oracle recommends that you:

1. Apply the latest Bundle Patch to all installed components in the bundle.

2. Keep OAM Server components at the same (or higher) Bundle Patch level as installed WebGates of the same release.

3
Applying the Bundle Patch

The following topics helps you, as you prepare and install the Bundle Patch files (or as you remove a Bundle Patch should you need to revert to your original installation):

- Using the Oracle Patch Mechansim (Opatch)
- Applying the OAM Bundle Patch
- Recovering From a Failed Bundle Patch Application

> **Note:**
>
> Oracle recommends that you always install the latest Bundle Patch.

- Using the Oracle Patch Mechanism (Opatch)
  The Oracle patch mechanism (Opatch) is a Java-based utility that runs on all supported operating systems. Opatch requires installation of the Oracle Universal Installer.

- Applying the OAM Bundle Patch
  Use information and steps here to apply the Bundle Patch from any platform using Oracle patch (Opatch). While individual command syntax might differ depending on your platform, the overall procedure is platform agnostic.

- Recovering From a Failed Bundle Patch Application
  If the AdminServer does not start successfully, the Bundle Patch application has failed.

3.1 Using the Oracle Patch Mechanism (Opatch)

The Oracle patch mechanism (Opatch) is a Java-based utility that runs on all supported operating systems. Opatch requires installation of the Oracle Universal Installer.

> **Note:**
>
> Oracle recommends that you have the latest version of Opatch (version 13.9.2.0.0+ or higher) from My Oracle Support. Opatch requires access to a valid Oracle Universal Installer (OUI) Inventory to apply patches.

Patching process uses both unzip and Opatch executables. After sourcing the ORACLE_HOME environment, Oracle recommends that you confirm that both of these exist before patching. Opatch is accessible at: `$ORACLE_HOME/OPatch/opatch`

When Opatch starts, it validates the patch to ensure there are no conflicts with the software already installed in your $ORACLE_HOME:

- If you find conflicts with a patch already applied to the $ORACLE_HOME, stop the patch installation and contact Oracle Support Services.

- If you find conflicts with a subset patch already applied to the $ORACLE_HOME, continue Bundle Patch application. The subset patch is automatically rolled back before installation of the new patch begins. The latest Bundle Patch contains all fixes from the previous Bundle Patch in $ORACLE_HOME.

This Bundle Patch is not -auto flag enabled. Without the -auto flag, no servers needs to be running. The Machine Name & Listen Address can be blank on a default install.

> **✎ See Also:**
>
> Oracle Universal Installer and Opatch User's Guide

Perform the steps in the following procedure to prepare your environment and download Opatch:

- Log in to My Oracle Support: https://support.oracle.com/

- Download the required Opatch version.

- Use `opatch -help` to check if your Opatch version is earlier than 13.9.2.0.0. If so, download the latest 13.9.2.0.0 version.

- Confirm if the required executables opatch and unzip are available in your system by running the following commands:

  Run `which opatch` — to get path of opatch

  Run `which unzip` — to get path of unzip

  Check if the path of excecutables is in the environment variable "PATH" , if not add the paths to the system PATH.

- Verify the OUI Inventory using the following command:

  `opatch lsinventory`

  Windows 64-bit: `opatch lsinventory -jdk c:\jdk180`

  If an error occurs, contact Oracle Support to validate and verify the inventory setup before proceeding. If the `ORACLE_HOME` does not appear, it might be missing from the Central Inventory, or the Central Inventory itself could be missing or corrupted.

- Review information in the next topic Applying the OAM Bundle Patch

3.2 Applying the OAM Bundle Patch

Use information and steps here to apply the Bundle Patch from any platform using Oracle patch (Opatch). While individual command syntax might differ depending on your platform, the overall procedure is platform agnostic.

The files in each Bundle Patch are installed into the destination `$ORACLE_HOME`. This enables you to remove (roll back) the Bundle Patch even if you have deleted the original Bundle Patch files from the temporary directory you created.

> **✎ Note:**
>
> Oracle recommends that you back up the $ORACLE_HOME using your preferred method before any patch operation. You can use any method (zip, cp -r, tar, and cpio) to compress the $ORACLE_HOME.

Formatting constraints in this document might force some sample text lines to wrap around. These line wraps should be ignored.

To apply the OAM Bundle Patch

Opatch is accessible at `$ORACLE_HOME/OPatch/opatch`. Before beginning the procedure to apply the Bundle Patch be sure to:

- Set `ORACLE_HOME`

  For example:

  ```
  export ORACLE_HOME=/opt/oracle/mwhome
  ```

- Run `export PATH=<<Path of Opatch directory>>:$PATH` to ensure that the Opatch executables appear in the system PATH. For example:

  ```
  export PATH=$Oracle_HOME/OPatch:$PATH
  ```

1. Download the OAM patch p27863715_122130_Generic.zip

2. Unzip the patch zip file into the PATCH_TOP.

   ```
   $ unzip -d PATCH_TOP p27863715_122130_Generic.zip
   ```

   > **✎ Note:**
   >
   > On Windows, the unzip command has a limitation of 256 characters in the path name. If you encounter this, use an alternate ZIP utility such as 7-Zip to unzip the patch.

   For example: To unzip using 7-Zip, run the following command.

   ```
   "c:\Program Files\7-Zip\7z.exe" x p27863715_122130_Generic.zip
   ```

3. Set your current directory to the directory where the patch is located.

   ```
   $ cd PATCH_TOP/27863715
   ```

4. Log in as the same user who installed the base product and:

   - Stop the AdminServer and all OAM Servers to which you will apply this Bundle Patch.

     Any application that uses this OAM Server and any OAM-protected servers will not be accessible during this period.

   - Back up your `$ORACLE_HOME: MW_HOME`.

   - Move the backup directory to another location and record this so you can locate it later, if needed.

5. Run the appropriate Opatch command as an administrator to ensure the required permissions are granted to update the central inventory and apply the patch to your $ORACLE_HOME. For example:

```
opatch apply
```
Windows 64-bit:`opatch apply -jdk c:\path\to\jdk180`

> **Note:**
>
> Opatch operates on one instance at a time. If you have multiple instances, you must repeat these steps for each instance.

6. Start all Servers (AdminServer and all OAM Servers).

3.3 Recovering From a Failed Bundle Patch Application

If the AdminServer does not start successfully, the Bundle Patch application has failed.

To recover from a failed Bundle Patch application

1. Confirm that there are no configuration issues with your patch application.

2. Confirm that you can start the AdminServer successfully.

3. Shut down the AdminServer and roll back the patch as described in Removing the Bundle Patch then perform patch application again.

4

Removing the Bundle Patch

If you want to rollback a Bundle Patch after it has been applied, perform the following steps. While individual command syntax might differ depending on your platform, the overall procedure is the same. After the Bundle Patch is removed, the system is restored to the state it was in immediately before patching.

> **Note:**
>
> Removing a Bundle Patch overrides any manual configuration changes that were made after applying the Bundle Patch. These changes must be re-applied manually after removing the patch.

Follow these instructions to remove the Bundle Patch on any system.

To remove a Bundle Patch on any system

1. Perform steps in Applying the OAM Bundle Patch to set environment variables, verify the inventory, and shut down any services running from the `ORACLE_HOME` or host machine.

2. Change to the directory where the patch was unzipped. For example:`cd PATCH_TOP/27863715`

3. Back up the `ORACLE_HOME` directory that includes the Bundle Patch and move the backup to another location so you can locate it later.

4. Run Opatch to roll back the patch. For example:

   `opatch rollback -id 27863715`

5. Start the servers (AdminServer and all OAM Servers) based on the mode you are using.

6. Re-apply the Bundle Patch, if needed, as described in Applying the Bundle Patch.

5
Resolved Issues

This chapter describes resolved issues in this Bundle Patch.

This Bundle Patch provides the fixes described in the below section:

5.1 Resolved Issues in 12.2.1.3.171121

Table 5-1   Resolved Issues in Release 12.2.1.3.171121

Base Bug Number	Description of the Problem
27077697	FORGOT PASSWORD FUCNTIONALITY USING ONETIMEPIN IN OAM
26821988	OAM : IFRAMEBURSTOUT IN BOTH OAMWHITELISTMODE TRUE AND FALSE
26743138	SKIP_AUTHN_RULE_EVAL SHOULD BE ENABLED BY DEFAULT
26732813	SESSION REST GET/SEARCH RESULT DOES NOT CONTAIN THE EXPIRYTIME ATTRIBUTE
26679791	FIX FOR BUG 25898731 IS FAILING IN OAM 11.1.2.3.171017BP 26540179
26672990	IMPERSONATION SESSION IS ALWAYS CREATED WITH LEVEL 2
	Note: To update the default auth level for impersonation, a new entry `MaxAuthlevel` is introduced in *oam-config.xml* under `ImpersonationConfig`.
	Example: `<Setting Name="MaxAuthLevel" Type="xsd:string">4</Setting>`
	Pre-Requisite: Update authentication level of `/oamImpersonationConsent` under IAMSuite domain to match the `MaxAuthLevel`.
26671436	NULL POINTER EXCEPTION IS THROWN WHILE ENABLING SSL FROM OAMCONSOLE
26610754	ER 20773096: ADD ONE NEW WLS CMD FOR WEBGATETEMPLATE REMOVAL
26443261	STEP NUMBER NOT INCREMENTING IN OAM CUSTOM PLUGIN
26429287	ADD WLST FOR SKIP_AUTHN_RULE_EVAL CONFIG PARAMETER

Table 5-1 (Cont.) Resolved Issues in Release 12.2.1.3.171121

Base Bug Number	Description of the Problem
26420974	DETERMINE WHETHER AGENT IS DCC WEBGATE
26375044	AUTHENTICATION FAILING FOR USER-AGENT MATCHING PRE-AUTHN RULE **Note:** This bug has a dependency on Webgate bug 26389702.
26335555	TOTPLUGIN - CAN ACCESS THE APPLICATION WITH AN EXPIRED TOKEN
26226156	OIF: FEDUSERPROVISIONING PLUGIN CREATING ADDITIONAL ENTRIES FOR UID
26199993	NO SOUND/VIBRATE FROM THE PUSH NOTIFICATION ON THE PHONE SIDE
26180201	GLOBAL LOGOUT FAILS AT OAM AS SP WHEN END_URL CONTAINS QUERY PARAMS
26170087	USER GETTING OAM-7 ERROR WHEN ACCESSING SAML (FED) APP INSIDE OF IFRAME (EVEN WHEN WHITELISTED)
26161468	REDIRECT LOGOUT URL WITH WHITE LIST ENABLED PERMIT REDIRECT ON NON LISTED SITE
26147809	IN FORCE PASSWORD ONLY BROWSER LEVEL VALIDATION IS WORKING
26143230	PRE-AUTHN RULE NOT EVALUATED WHEN SWITCHING FROM DCC SCHEMA
26114972	OAM LOGOUT URL NOT BEHAVING AS EXPECTED
25961607	CONFIGUREPOLICYRESPONSES NOT WORKING FOR PASSWORD POLICY DATE STRING AT 11.1.2.3
25709831	CHANGEPASSWORD AFTER PASSWORD EXPIRY:OAM IS NOT RETURNING THE REASON/ERROR CODE
25534524	LOOP ON SYSTEMERROR WHEN USER SITS FOR OVER 15 MINUTES ON BOOKMARKURL LOGIN PAGE
25485089	DIAG: OPENID ASSOCIATION FAILED FOR RESPONSEHANDLEREXCEPTION
25315550	ADVANCED RULES NOT WORKING IN CLONED ENVIRONMENT AFTER BEING IMPORTED

Table 5-1   (Cont.) Resolved Issues in Release 12.2.1.3.171121

Base Bug Number	Description of the Problem
24817439	SAML ASSERTION HAS INCORRECT DATA FORMAT FOR NAMEID-FORMAT:ENTITY
	Note: This feature is added to either disable sending Format attribute on Issuer or set it to Unspecified or entity value. This can be set at partner, profile or global level.
	After applying the fix, following WLST command needs to be executed:
	`domainRuntime()`
	`updatePartnerProperty("<IDP-partner-name>","idp", "sendsamlissuerformat", "false", "boolean")`
	Example: updatePartnerProperty("lcr01103-idp", "idp", "sendsamlissuerformat", "false", "boolean")
24746284	IDENTITY CONTEXT CLARIFICATION ON PUBLISHED ATTRIBUTES FORMAT
	Note: To use the new format for custom attributes, before starting the OAM Managed Server, set the system property `oracle.oam.saml.assertion.customattrformat=SAML2.0` using the following command, `export JAVA_OPTIONS="-Doracle.oam.saml.assertion.customattrformat=SAML2.0".`
22494562	OAM FEDSTS-11013 ERROR: ORA-00001: UNIQUE CONSTRAINT VIOLATED

6

Known Issues and Workarounds

Known issues and their workarounds in Oracle Access Management Release 12.2.1.3 are described in the Oracle Access Management chapter of the *Release Notes for Oracle Identity Management* document. You can access the Release Notes document in the Oracle Identity Management Documentation library at the following URL:

https://docs.oracle.com/middleware/12213/idmsuite/IDMRN/toc.htm

> **Note:**
>
> Some known issues listed in the Release Notes for Oracle Identity Management may have been resolved by this Bundle Patch (Oracle Access Management 12.2.1.3.0). Compare the issues listed in Resolved Issues of this document when reviewing the *Release Notes for Oracle Identity Management*.

Bundle Patch Number	Base Bug Number	Bug Number	Description of the Problem
12.2.1.3.180414	27068410	27606513	`disable10gPlainText ReqRes`parameter is case sensitive Workaround is to use `disable10gPlainText ReqRes`parameter as it is. Do not change the case.
	27068410	27606466	The functionality does not work when Agent and Preferred Host are different for the registered 10g Webgate Agent Profiles. Workaround is that the Agent Name and Preferred Host has to be same for the registered 10g Webgate Agent Profiles.

Bundle Patch Number	Base Bug Number	Bug Number	Description of the Problem
	27068410	27626433	Functionality does not work when bulk updates are done for updating the `userdefinedparam` of 10g agent profiles. Workaround is to update the `userdefinedparam` of all the 10g agent profiles manually using the oamconsole.
	27582324		POST data restoration will not work with `ChallengeRedirectMethod=GET` Workaround is to set, `ChallengeRedirectMethod=post` in the Authentication scheme.
12.2.1.3.171121	27292760		There are cases when `AdaptiveAuthenticationPlugin` does not contain the required fields to enable the OTP. The Workaround is to add the required fields to update the properties in `oam-config.xml` by adding them to the `ConfigParams` section of the `OAMMFAOTP` definition.