**Oracle® Fusion Middleware**

Oracle Access Management Bundle Patch Readme

OAM BUNDLE PATCH 12.2.1.3.200629 Generic for all Server Platforms

F32736-01

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# Oracle Access Management Bundle Patch Readme

This document describes OAM BUNDLE PATCH 12.2.1.3.200629

For issues documented after the release of this OAM BUNDLE PATCH 12.2.1.3.200629, see My Oracle Support Document 2568304.1, Oracle Fusion Middleware 12.2.1.3.0 Known Issues (Doc ID 2568304.1)

This document requires a base installation of Oracle Access Management 12c Patch Set 3 (12.2.1.3.0). This supersedes the documentation that accompanies Oracle Access Management 12c Patch Set 3 (12.2.1.3.0), it contains the following sections:



## New Features and Enhancements in OAM Bundle Patch 12.2.1.3.200629

Oracle Access Management 12.2.1.3.200629 BP includes the following new features and enhancements:

- **Support for SameSite=None Attribute in OAM Cookies**

  OAM adds `SameSite=None` attribute to all the cookies set by WebGate and OAM Server.

> **Note:**
>
> - You must also download and upgrade to the latest WebGate Patch for this feature to work. For details, see the note `Support for SameSite Attribute in Webgate (Doc ID 2687940.1)` at https://support.oracle.com.
> - See also the note `Oracle Access Manager (OAM): Impact Of SameSite Attribute Semantics (Doc ID 2634852.1)` at https://support.oracle.com.

**Optional Configurations on OAM Server**

- If SSL/TLS is terminated on Load Balancer (LBR) and OAM server is not running in SSL/TLS mode, set the following system property in **setDomainEnv.sh**: `-Doam.samesite.flag.value=None;secure` Alternatively, you can propagate SSL/TLS context from the LBR or Web Tier to OAM Server. For details, see `Doc ID 1569732.1` at https://support.oracle.com.
- To disable the inclusion of `SameSite=None` by OAM Server, set the following system property in **setDomainEnv.sh**: `-Doam.samesite.flag.enable=false`
- To set `SameSite=None` for non-SSL/TLS HTTP connections, set the following system property in **setDomainEnv.sh**: `-Doam.samesite.flag.enableNoneWithoutSecure=true`

**Example** - To add the system properties to setDomainEnv.sh:

1. Stop all the Administration and Managed Servers.
2. Edit the `$OAM_DOMAIN_HOME/bin/setDomainEnv.sh`, and add the properties as shown:

   ```
   EXTRA_JAVA_PROPERTIES="-Doam.samesite.flag.enable=false $
   {EXTRA_JAVA_PROPERTIES}"
   export EXTRA_JAVA_PROPERTIES
   ```

3. Start the Administration and Managed Servers.

**Optional Configurations for WebGate**

- If SSL/TLS is terminated on LBR and OAM Webgate WebServer is not running in SSL/TLS mode, set the **ProxySSLHeaderVar** in the **User Defined Parameters** configuration to ensure that WebGate treats the requests as SSL/TLS. For details, see User-Defined WebGate Parameters.
- To disable inclusion of `SameSite=None` by OAM WebGate, set `SameSite=disabled` in the **User Defined Parameters** configuration on the console. This is a per-agent configuration.
- To set `SameSite=None` for non-SSL HTTP connections, set `EnableSameSiteNoneWithoutSecure=true` in the **User Defined Parameters** configuration on the console. This is a per-agent configuration.

> **Note:**
>
> In deployments using mixed SSL/TLS and non-SSL/TLS components: For non-SSL/TLS access, OAM Server and Webgate do not set `SameSite=None` on cookies. Some browsers (for example, Google Chrome) do not allow `SameSite=None` setting on non-secure (non-SSL/TLS access) cookies, and therefore, may not set cookies if a mismatch is found.
>
> Therefore, it is recommended that such mixed SSL/TLS and non-SSL/TLS deployments are moved to SSL/TLS Only deployments to strengthen the overall security.

# Understanding Bundle Patches

Describes Bundle Patches and explains differences between Bundle Patches, interim patches, and patch sets.



## 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.

## 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.

## Recommendations

Oracle has certified the dependent Middleware component patches for Identity Management products and recommends that Customers apply these certified patches.

For more information on these patches, see the note `Certification of Underlying or Shared Component Patches for Identity Management Products (Doc ID 2627261.1)` at https://support.oracle.com under this new section

## 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.

## 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.

> **Note:**
>
> Oracle recommends that you have the latest version of Opatch (version 13.9.4.2 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 -version` to check if your Opatch version is earlier than 13.9.4.2. If so, download the latest 13.9.4.2 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

## 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 p31557185_122130_Generic.zip
2. Unzip the patch zip file into the PATCH_TOP.

   ```
   $ unzip -d PATCH_TOP p31557185_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 p31557185_122130_Generic.zip
```

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

   ```
   $ cd PATCH_TOP/31557185
   ```

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).

## 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.

# 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.
- Use `Opatch 13.9.4.2` for rollback. If older versions of the Opatch is used for rollback, the following fail message is displayed:

```
C:\Users\<username>\Downloads\p31557185_122130_Generic\31557
185
>c:\Oracle\oam12213\OPatch\opatch rollback -id 31557185
Oracle Interim Patch Installer version 13.9.2.0.0
Copyright (c) 2020, Oracle Corporation. All rights reserved.
......
The following actions have failed:
Malformed \uxxxx encoding.
Malformed \uxxxx encoding.
```

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/31557185`
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 31557185
```

> **Note:**
>
> - To rollback the patch completely, remove the below two entries from `oam-config.xml` file using the `config-utility` tool (Doc : 2310234.1):
>
>   – `<Setting Name="PolicyCacheComponent" Type="htf:map"> ..... </Setting>`
>
>   – `<Setting Name="PolicyCacheManagementAPI" Type="htf:map"> ..... </Setting>`

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.

# Resolved Issues

This chapter describes resolved issues in this Bundle Patch.

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

- Resolved Issues in OAM BUNDLE PATCH 12.2.1.3.200629
- Resolved Issues in OAM BUNDLE PATCH 12.2.1.3.0 (ID:191201.0123.S)
- Resolved Issues in 12.2.1.3.190609
- Resolved Issues in 12.2.1.3.181213
- Resolved Issues in 12.2.1.3.180904
- Resolved Issues in 12.2.1.3.180706
- Resolved Issues in 12.2.1.3.180414
- Resolved Issues in 12.2.1.3.171121

## Resolved Issues in OAM BUNDLE PATCH 12.2.1.3.200629

Applying this bundle patch resolves the issues listed in the following table:

**Table 1-1 Resolved Issues in OAM BUNDLE PATCH 12.2.1.3.200629**

| Base Bug Number | Description of the Problem |
|---|---|
| 31065568 | INTERIM FIX : NEED TO MAKE SURE ALL COOKIES ISSUE BY OAM11G & 12C CONTAIN SAMESITE=NONE |
| 31510690 | PASSWORDRESETREQUESTS REST END POINT THROWS INTERNAL SERVER ERROR. |

**Table 1-1 (Cont.) Resolved Issues in OAM BUNDLE PATCH 12.2.1.3.200629**

| Base Bug Number | Description of the Problem |
|---|---|
| 31508059 | INVALID SESSION CONTROL PARAMETERS |
| 31465732 | OAMS.OAM_RESOURCE_URL WARNING MESSAGES STILL DISPLAY IN OAM LOGS WITH FIX 30053037 |
| 31413189 | MODIFY MDC SESSION CONTROL API FAILES WITH MDC NOT ENABLED ERROR |
| 30953737 | WLS ADMIN SERVER LOG FILE AFTER APPLYING AN OAM BUNDLE PATCH THE FOLLOWING WARNING IS NOW SEEN - SOFTLOCK IS ENABLED BUT IS NOT RECOMMENDED SETTING IN PRODUCTION ENVIRONMENT<br><br>**Note:**<br>To understand how to run the script for disabling/enabling softlock, refer to **readme.txt** in the following directory: `$MW_HOME/idm/oam/server/wlst/scripts/utilities/` |
| 31089954 | DIAG BUG: NEED TO ADD DIAGNOSTICS AROUND DEFAULT-KEYSTORE |
| 31068961 | ORA-01461: CAN BIND A LONG VALUE ONLY FOR INSERT INTO A LONG COLUMN |
| 30677281 | DIAG: ADD ERROR/WARNING LEVEL LOGGING MESSAGE TO IDENTIFY REDIRECT URLS ARE NOT WHITELISTED. |
| 30762860 | Fix for Bug 30762860 |
| 30120631 | SMS OTP PAGE REFRESH |
| 30748479 | CLIENT IP NOT CAPTURED IN AUDIT.LOG FOR REST CALLS |
| 30832165 | FEDERATION: FEDSTS-10202: COULD NOT RETRIEVE MDC DATA FROM CLUSTER |
| 30911495 | TWO FACTOR AUTHENTICATION ENTRY TEXTBOX DOES NOT GAIN FOCUS IF THERE IS ONLY ONE OPTION FOR 2ND FACTOR AUTHENTICATION |
| 30628496 | UNABLE TO MODIFY PRIMARY/SECONDARY SERVER DATA USING CREATEWEBGATETEMPLATE SYNTAX |

**Table 1-1 (Cont.) Resolved Issues in OAM BUNDLE PATCH 12.2.1.3.200629**

| Base Bug Number | Description of the Problem |
|---|---|
| 30053037 | OAMS.OAM_RESOURCE_URL WARNING MESSAGES IN OAM LOGS |
| 30235925 | OAM SESSION SUPPORTS ONLY 40 STRING TYPE PROPERTIES |
| 30793308 | OAM IDP: SYSTEM ERRORS SEEN INTERMITTENTLY DURING FEDERATION LOGOUT |
| 30820170 | AUTHORIZATION ERROR WITH USER MEMBER LARGE NUMBER OF GROUP |
| 30634571 | 12C OAUTH AUDIT RECORDS RETURN NULL VALUES FOR OAUTHTOKENVALIDATE EVENTS |
| 29883498 | OAM/MDC ISSUE: INVALID SIMPLE MODE ARTIFACTS |
| 30669352 | AUTHORIZATION RESPONSE NOT RETURNED FOR AUTHORIZATION FAILURE |
| 29885236 | ENABLED MULTIVALUEGROUPS SP USE $USER.GROUPS TWICE IN A FED SP ATTRIBUTE PROFILE |
| 30213267 | DCC WEBGATE TUNNELING FOR ADF CUSTOM LOGIN PAGE NOT WORKING<br>This fix enables tunneling for custom pages using chunked transfer-encoding. It also provides a way to specify the read-timeout on connections used to fetch custom pages from managed server using the Webgate's user-defined parameter `tunnelingDCCReadTimeout`.<br>Specify the `tunnelingDCCReadTimeout` in seconds, for example, `tunnelingDCCReadTimeout=30`.<br>**Note:**<br>When specifying `tunnelingDCCReadTimeout`, you must also increase `aaaTimeoutThreshold` accordingly. |
| 30468914 | OAM DOES NOT SUPPORT HOLDER OF KEY PROFILE. |
| 30355996 | OAM SESSION API RETURN HTTP 500 ERROR WITH CEST TIMEZONE |
| 30069618 | OAMAGENT-02077: AUTHN TOKEN IS EITHER NULL OR INVALID |
| 30406633 | GETTING NOT_FOUND WHILE FETCHING ATTRIBUTE FOR SAML RESPONSE HEADER |

**Table 1-1 (Cont.) Resolved Issues in OAM BUNDLE PATCH 12.2.1.3.200629**

| Base Bug Number | Description of the Problem |
|---|---|
| 30460435 | DCC TUNNELING WHITELIST CAN NOT BE DISABLED USING ENABLEWHITELISTVALIDATIONDCCTUNNELING CONFIG |
| 24485240 | ADDATTRIBUTESTOFEDATTRIBUTES FAILED IF FED SESSION EXISTS |

## Resolved Issues in OAM BUNDLE PATCH 12.2.1.3.0 (ID:191201.0123.S)

Applying this bundle patch resolves the issues listed in the following table:

**Table 1-2 Resolved Issues in OAM BUNDLE PATCH 12.2.1.3.0 (ID:191201.0123.S)**

| Base Bug Number | Description of the Problem |
|---|---|
| 30156706 | OAM ADMIN SERVER START FAILS DUE TO FAIL TO CREATE OAM-CONFIG.XML FROM DBSTORE |
| 29771448 | % CHAR IN PASSWORD USED TO GENERATE OAUTH ACCESS TOKEN IS TRANSLATED TO ASCII |
| 30180492 | OCI FEDERATION WITH ORACLE ACCESS MANAGER IS NOT WORKING AS EXPECTED |
| 30156607 | DIAG: ADD MORE LOGS IN AMKEYSTORE VALIDATION FLOW TO IDENTIFY CONFIG THAT CAUSES TO FAIL TO START ADMIN SERVER |
| 29940526 | ERROR MESSAGE POP-UP DISPLAYS WHILE CREATING SP/IDP PARTNER |
| 30243111 | DIAG: REQUIRE LOGS IN DEFAULT KEYSTORE BOOTSTRAPPING FLOW TO IDENTIFY CONFIG MISSING/CORRUPTION ISSUE |
| 30144617 | ISSUE ON CHANGE IN BEHAVIOR IN RETURNING ERRORCODE AFTER APPLYING PATCH 29918603 |
| 30363797 | OAM11GR2PS3 : WNA_DCC MODULE IS FAILING WITH SECURITY BUG FIX :25963019 |
| 30176378 | ERRORS IN OAM SERVER LOGS AFTER RUNNING WLST COMMAND DISABLESKIPAUTHNRULEEVAL() |
| 30169956 | OAUTH PASSWORD GRANT TYPE CAN ONLY USE NON-PLUGIN LDAP MODULE FOR AUTHENTICATION |
| 27767574 | STRESS:OAM12C:ERROR WHILE PROCESSING MASTER CONTROLLER IN PBL NULLPOINTEREXCEPT |
| 29154366 | OAM-OSB INTEGRATION USING OAUTH2 NOT WORKING |

**Table 1-2 (Cont.) Resolved Issues in OAM BUNDLE PATCH 12.2.1.3.0 (ID:191201.0123.S)**

| Base Bug Number | Description of the Problem |
|---|---|
| 30267123 | UNABLE TO LOGIN FROM MULTIPLE TABS AFTER LOGGING IN FROM A TAB. |
| 29541818 | ER TO ADDRESSING ADDITIONAL USE CASES OF OAUTH AND JSON IN OAM 12C |
| 30062772 | FEDERATION BP18 CAUSES LOGOUT END_URL TO BE CONVERTED TO LOWER CASE IN FED LOGOU |
| 29837657 | OAM DOES SUBTREE SEARCH TO VALIDATE IDSTORE CREATION |
| 29993720 | FORGOT PASSWORD LINK DISAPPEARS AFTER CHANGING THE LANGUAGE OF THE BROWSER |
| 27036000 | OTP CODE PAGE REFRESH |
| 29558937 | UPDATEWEBGATETEMPLATETOWEBGATEMAPPING CAUSES ERROR IN ADMINSERVER LOGS |
| 29482858 | OAM 11G ASDK INTERMITTENTLY THROWING ERROR WHILE CREATING OBSSOCOOKIE |
| 29664878 | OAM 12C OAUTH CERT JWK : EXTEND CERTIFICATE VALIDITY OR RENEW CERTIFICATE |
| 29349299 | Fix for Bug 29349299 |
| 29874540 | AUTHENTICATION ISSUE FOR USER WHO IS MEMBER OF LARGE GROUP AND CONFIGURED MEMBEROF AS PREFETCH ATTRIBUTE |
| 29290091 | WRONG SELECT IN ADMIN STARTUP LOGS |
| 28108712 | MODIFY MDC SESSION CONTROL REST API FAILS |
| 29233064 | Fix for Bug 29233064 |
| 29649734 | 12.2.1.3.180904 (BP04) ACCESS SERVER RETURNS JSON KEY AND NOT P7B LIKE DOCUMENT |
| 29603419 | JWT BEARER GRANT FLOW TO GET OAUTH ACCESS TOKEN FROM JWT ASSERTION RESULT ERROR |
| 29463380 | FEDERATION MULTIVALUEGROUPS ATTRIBUTE DOES NOT PARSE COMMAS IN GROUP NAMES |
| 28348030 | Fix for Bug 28348030 |
| 25963019 | Fix for Bug 25963019 |

## Resolved Issues in 12.2.1.3.190609

Applying this bundle patch resolves the issues listed in the following table:

**Table 1-3 Resolved Issues in 12.2.1.3.190609**

| Base Bug Number | Description of the Problem |
|---|---|
| 29639271 | 12C OAUTH - CUSTOM ATTRIBUTES NOT UPDATING IN CLIENT CONFIGURATION |
| 29715441 | OAM: USERINFO REST CALL DOES NOT RETURN CORRECT VALUE OF TELEPHONENUMBER FOR LDAP PROVIDER OUD<br><br>**Note:**<br>You can retrieve the telephone number by adding the following attribute to the `oam-config.xml` file under the configured OUD user identity store:<br>`<Setting Name="TELEPHONE_NUMBER_ATTRIBUTE" Type="xsd:string">telephonenumber</Setting>` |
| 29777410 | "SYSTEM ERROR PAGE" CODE IS DISPLAYED DIRECTLY WHEN DCC TUNNELED RESOURCE WITH PASSWORD POLICY IS ACCESSED |
| 29769613 | OAM : REST API TO FETCH SESSION DETAILS USING UPDATETIME DOES NOT RETURN CORRECT VALUES |
| 29717855 | SAML LOGOUT NOT WORKING IF OLD FED SESSIONS EXIST IN DB |
| 29482228 | NEW ACCESS TOKEN FROM REFRESH TOKEN DOES NOT CONTAIN UPDATED USER ATTR VALUE |
| 29425002 | LOGIN ISSUE FOR USERS WITH LARGE NUMBER OF GROUP MEMBERSHIPS |
| 29423470 | STANDARD OUD PHONE ATTRIBUTE CANNOT BE RETRIEVED IN USERINFO |
| 29305502 | LONG NAME IN X509PLUGIN FAILED TO AUTHENTICATE |
| 29244150 | SSO BETWEEN TUNNELED DCC AND PLAIN DCC IS BROKEN WHEN APPLIED OAM BP'S 14,15 OR 16 |

**Table 1-3 (Cont.) Resolved Issues in 12.2.1.3.190609**

| Base Bug Number | Description of the Problem |
|---|---|
| 29240849 | NEED TO LOG ADDITIONAL AUTHENTICATION FAILURE FOR AUDIT LOG FROM CUSTOM PLUGIN |
| 29233897 | DIAG: NEED DETAILED DEBUG OUTPUT FOR NPE ON OAUTH CODE |
| 29120924 | AMRUNTIMEEXCEPTION:INVALID SETTINGS FOR FORWARD WHEN INTEGRATING DUO PLUGIN |
| 29053141 | OAM_REQ_ID COOKIE IS NOT INVALIDATED RESULTING ERROR - BAD REQUEST |
| 29041992 | OFUSIONMIDDLEWAREAUDIT->COMMONREPORTS->ACCOUNTMANAGEMENT->DASHBOARD THROW ERROR |
| 29011613 | 12C:RSA:GETTING SYSTEM ERROR (LOADER CONSTRAINT VOILATION ERR)WHEN ACCESSING RSA RESOURCE |
| 28861117 | JAVASCRIPT ERROR THAT DISPLAYMSG() IS UNDEFINED |
| 28855754 | 12.2.1.3 OUD PASSWORD POLICY ATTRIBUTE RESETPWD SET TO TRUE CAUSES AUTHN FAILURE |
| 28833416 | PASSWORD POLICY: UNABLE TO SET PASSWORD DICTIONARY FILE |

**Note:**

You can allow authentication for Oracle Unified Directory password policy attribute `RESETPWD=true` by adding the following attribute to the `oam-config.xml` file under the configured user identity store: `<Setting Name="checkPwdPolicyWarning" Type="xsd:boolean">false</Setting>"`

**Table 1-3 (Cont.) Resolved Issues in 12.2.1.3.190609**

| Base Bug Number | Description of the Problem |
|---|---|
| 28811365 | SAML LOGOUT NOT WORKING ON DCC TUNELING ON CLUSTER NULLPOINTEREXCEPTION<br><br>**Note:**<br>An intermittent issue with SAML logout that is seen in cluster environment is fixed. You must enable the stickiness for the Embedded Credential Collector (ECC) and the load balancing router. For Detached Credential Collector (DCC) you must set the `rdbmsasynchronousenabled` value in the `oam-config.xml` file to `false`. |
| 28753576 | UPDATE FIX FOR : FED-18059 USER MISMATCH WITH OAM BP13 AND PATCH 27050584 APPLIED |
| 28728420 | OAM-OIM FIRSTLOGIN PAGE IS BLANK, BACKURL CONTAIN HOST IDENTIFIER |
| 28716108 | OAM SESSION REST API FAILS WHEN DATES ARE INCLUDED IN SESSION FILTER |
| 28710053 | OAM AS SP MUST BE ABLE TO PROCESS A SLO REQUEST FROM A THIRD PARTY IDP |
| 28608117 | R2PS3: CREATE WEBGATE TEMPLATE WLST ALLOWING TO CREATE TEMPLATE WITH INVALID PARAMETER |
| 28585170 | DASHBOARD FOR AUTHENTICATION AND AUTHORIZATION REPORT CHART IS WRONG |

**Table 1-3 (Cont.) Resolved Issues in 12.2.1.3.190609**

| Base Bug Number | Description of the Problem |
|---|---|
| 28562000 | PREAUTHENTICATION RULE TO DENY ACCESS DISPLAYS OPERATION ERROR<br><br>**Note:**<br>This bug has a dependency on WebGate (Bug: 28793688). To resolve the issue for WebGate, request a interim patch from My Oracle Support. |
| 28548575 | OAM CANNOT DECODE PROPERLY AN URL WITH TWO QUESTION MARKS |
| 28490555 | SESSION REST API FAILS WHEN IDLE SESSIONS FOUND |
| 28308009 | OAM 12C OAUTH CLIENT SECRET LOST WHEN UPDATING CLIENT |
| 28244927 | 12C BP: NEWLY CREATED USER LOGIN GOT ERROR |
| 28240206 | WRONG "THE SPECIFIED USER SEARCH BASE IS INVALID" MESSAGE IN OAM CONSOLE |
| 28092100 | UNABLE TO UPDATE/MODIFY FAILURE URL OF AUTHENTICATION POLICY USING CURL COMMAND |
| 28004912 | STRESS:122131OAM- HIGH CPU (70%) IN OAM OAUTH OIDC STRESS TEST WITH 250 VU LOAD |
| 27977911 | NO CUSTOM ATTRIBUTES IN ACCESS TOKEN FOR IMPLICIT GRANT TYPE |

**Table 1-3 (Cont.) Resolved Issues in 12.2.1.3.190609**

| Base Bug Number | Description of the Problem |
|---|---|
| 27963081 | LDAP RESPONSE READ TIMED OUT - ON IDSTORE CREATION, IF "SEARCH BASE" IS "HUGE"<br><br>**Note:**<br>You can use the `com.sun.jndi.ldap.read.timeout` environment property to specify the read timeout for an LDAP operation. The default value is `2000` milliseconds. To increase the JNDI/LDAP read timeout to `15000` milliseconds, add the following attributes in the `setDomainEnv` script file:<br>• `ORACLE_OAM_JNDILDAPREADTIMEOUT="15000"`<br>• `export ORACLE_OAM_JNDILDAPREADTIMEOUT` |
| 27946582 | WNA POST FALLBACK IS FAILING AFTER APPLYING BP13 |
| 27708019 | OAM11.1.2.3 : FEDERATION: LOGOUT SAMLRESPONSE DOES NOT INCLUDE RELAYSTATE. |

**Table 1-3 (Cont.) Resolved Issues in 12.2.1.3.190609**

| Base Bug Number | Description of the Problem |
|---|---|
| 27441865 | CLIENTSSLKEYSTOREPWD, CLIENTSSLTRUSTSTOREPWD NOT PROPERLY WRITTEN IN OAM-CONFIG<br><br>**Note:**<br>To resolve the issue, specify STS as the map name (folder) of the credential. For example:<br>`createCred(map="STS", key="clientsslkeystorepwd", user="UniqueUserNameCredential", password="mypassword", desc="identity keystore pwd")` |
| 27343162 | Fix for bug 27343162 |
| 26866652 | THE NULLPOINTEREXCEPTION IS SHOWING IN FORM-FILL APPLICATION IDS PROFILE |
| 25860509 | DIAG: ADVANCED RULES NEED THE ABILITY TO CHECK PERFORMANCE OF THE RULE EXECUTION |
| 25659094 | DIAG: NEED MORE DETAILS FOR "MISMATCH SHOULD_BE:" ERROR |
| 25541101 | /OAM/PAGES/PSWD.JSP NOT WORKING VIA DCC TUNNELLING |
| 25417605 | DIAG: "ACTION FAILED DUE TO INCONSISTENT STATUS OF PLUGIN IN DIFF MANAGED SRV" |
| 21391069 | NEED TO LOG AUTHENTICATION FAILURE AUDIT LOG FROM CUSTOM PLUGIN |

## Resolved Issues in 12.2.1.3.181213

Applying this bundle patch resolves the issues listed in the following table:

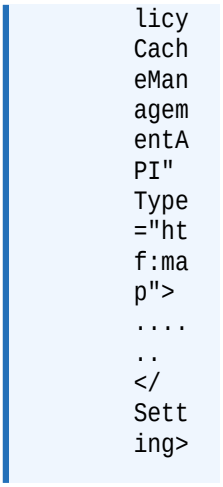
| Base Bug Number | Description of the problem |
| --- | --- |
| 28772291 | OAM LOGIN STOPS WORKING AFTER SETTING SESSION LIFETIME TO 30 DAYS/ 43200 MINUTES |

| Base Bug Number | Description of the problem |
| --- | --- |
| 28738544 | TRACKING BUG FOR BACKPORTING POLICY CORRUPTION FIX DONE IN 19C - MAIN BRANCH |

**Note:**

To rollback this fix completely, remove the below two entries from `oam-config.xml` by using config-utility tool (Doc ID : 2310234.1 in https://support.oracle.com/)

- `<SettingName="PolicyCacheComponent" Type="htf:map">.....</Setting>`
- `<SettingName="Po`

| Base Bug Number | Description of the problem |
| --- | --- |
| |  |
| 28677784 | REVERT THE CHANGES DONE FOR BUG 27132341 |
| 28608189 | UNABLE TO CONFIGURE DYNAMIC CUSTOM ATTRIBUTE DURING OAUTH CLIENT CREATION |
| 28529484 | OAM SENDING DIFFERENT ATTRIBUTE VALUE FROM OID WHICH IS NULL OR NOT AVAILABLE |
| 28528259 | WHITELIST COMPARISON IS CASE SENSITIVE FOR HOSTNAME |
| 28487853 | OAM HEARTBEAT FAILS AFTER CHANGING TO COOKIE_BASED SESSION |

| Base Bug Number | Description of the problem |
| --- | --- |
| 28476106 | FEDERATION ATTRIBUTES INCORRECTLY POPULATED FROM MEMBEROF |

**Note:**

This fix has made the`responseSeparator` and `responseEscape` configurable and the configuration is read from the `oam-config.xml` directly. Please use the below wlst command to change the `responseSeparator` and `responseEscapeChar`. For Example:

```
configurePolicyResponse(responseSeparator=",",responseEs
```

| Base Bug Number | Description of the problem |
| --- | --- |
| | capeCha<br>r="\\") |
| 28461633 | SYSTEMERROR ON FEDERATION-OIM INTEGRATION LOGIN AFTER APPLYING PATCH 27897816 |
| 28399922 | JWT BEARER FLOW THROWS ERROR ON REQUESTING ACCESS TOKEN WITH OPENID SCOPES |
| 28383964 | OAM NOT RECEIVING CLIENT IP ADDRESS AFTER APPLYING THE PATCH: 28177877 |
| 28373408 | PERSISTENT LOGIN CREATES MULTIPLE SESSIONS WITH NO SOURCE IP |
| 28290015 | INCORRECT "/JWKS_URI" ENDPOINT RESPONSE FORMAT |
| 28283068 | OAM OIDC THROWS 500 ERROR IN AUTHZ REQUEST HAVING ONLY OPENID RELATED SCOPES |
| 28020400 | ERROR WHEN TRY TO REFRESH USING REFRESH_TOKEN |
| 27962269 | EXCEPTION WHILE DECRYPTION TOKEN |
| 27791146 | CHECKBOXES NOT WORKING ON PASSWORDPOLICY PAGE |
| 27684940 | DUTCH TRANSLATION OF PASSWORD POLICY RULES IS INCOMPREHENSIBLE |

| Base Bug Number | Description of the problem |
| --- | --- |
| 27492853 | ADD SUPPORT FOR CUSTOM AUDIT EVENT TYPES FOR FEDERATION |

**Note:**

Follow the below steps to configure Custom audit events for Federation :

1. From oam console, set **Audit Preset** filter to **Custom** .
2. Use WLST `setFedCustomAuditEvents()` and `displayFedCustomAuditEvents()` to confi gure

| Base Bug Number | Description of the problem |
| --- | --- |
| | audit ing.<br>3. Rest art serv ers each time cust om even ts are confi gure d. |
| 27379500 | ~ IN HEAD OF LOGIN NAME CAUSES SYSTEM ERROR AT AUTOLOGIN AFTER "FORGOT PASSWORD" |
| 27343458 | Fix for bug 27343458 |
| 26732310 | UNABLE TO SEE THE RESOURCES, AUTHRZATION & AUTHNTCTION POLICIES AFTER APPLICATI |
| 23096690 | PUMA - PERFORMANCE ISSUES SEEN IN APS SYNC-ADD/UPDATE WEBGATE |

## Resolved Issues in 12.2.1.3.180904

| Base Bug Number | Description of the problem |
| --- | --- |
| 28541209 | OAM 12CPS3: DISPLAYING WRONG ERROR MESSAGE FOR LOCKED USERS |
| 28296759 | FORCE PASSWORD RESET NOT WORKING WITH BASIC METHOD AND FORM CACHETYPE |
| 28244683 | 12C BP: MORE THAN 5 TIMES USING WRONG PWD NOT REDIRECT TO FORGOT PASSWORD |

| Base Bug Number | Description of the problem |
|---|---|
| 28204062 | AUDITOR RELOAD DOESN'T HAPPEN IN OAM 12C WHILE CHANGING FILTER PRESET<br>**Note:**<br>• This bug has a dependency on OPSS October Bundle Patch. Please apply OPSS Bundle Patch 12.2.1.3.181016:28172453along with OAM Bundle Patch<br>• BI Publisher in standalone mode i.e. with only BIPublisher option while configuring domain is recommended for viewing OAM Reports. |
| 28202816 | BP10 ON WEBGATE BREAKS LOGOUT FUNCITONALITY |
| 28132498 | EXCEPTION OCCUR WHEN REMOVEWEBGATETEMPLATEPARAMS WHITH NON-EXISTING TEMPLATE |
| 28131039 | 12C: REMOVE COHERENCE CHECK FROM HEARTBEAT |
| 27931928 | AUTHORIZATION BROKEN IN APRIL OAM BP 11.1.2.3.180417 \|BP14 |
| 27918612 | SAML ATTRIBUTE VALUE IS NULL WHEN ONE OF THE USER ATTRIBUTE VALUE IS NULL IN COM |
| 27797404 | IMPCONSENT.JSP PAGE IS DOWNLOADED WHEN ACCESSING THROUGH DCC WEBGATE |
| 27614683 | OAM INITIATED LOGOUT NOT WORKING & ORA_OSFS_SESSION IS NOT GETTNIG CLEARED |

| Base Bug Number | Description of the problem |
|---|---|
| 27573288 | Fix for Bug 27573288<br>**Note:** This bug fix introduces changes to the following password policy features:<br>• Password expiry warning period— This feature is supported only with OAM and OIM integrated scenarios. If there is no OIM integration then OAM authentication will fail during the warning period and the customer has to configure custom authentication plugins to show password expiry warning page and the required handling for the authentication flow.<br>The limitation on authentication failure during the password expiry warning period is because of the difference in behavior of different LDAP servers(OID, OUD) when a user tries to authenticate with wrong password during expiry warning period.<br>• Password grace login attempts - This configuration will work only if "Password expiry warning period " is not configured. In the first scenario, grace login is not required because user will be forced to change the password during the warning period or after expiry. |
| 27525584 | Fix for Bug 27525584 |
| 27444036 | F5 HEALTH MONITOR GETTING 404 FOR /OAM/SERVER/HEARTBEAT |
| 27417512 | Fix for Bug 27417512 |
| 27314441 | OAM LOGIN FAILS WITH OAMSSA-20144 IF THE USER IN OID WITHIN GRACE LOGINS |
| 27189773 | OIDC: ACCESS TOKEN STILL VALID WHEN REM_EXP<0 |
| 25417176 | FEDERATION: AUTO PROVISION TO LDAP FROM IDP SAML ASSERTION FAILS |
| 23133385 | Fix for Bug 23133385 |

## Resolved Issues in 12.2.1.3.180706

| Base Bug Number | Description of the problem |
|---|---|
| 28138969 | ASDK ERROR FOR URL ENCODED TOKEN AFTER 28027669 FIX<br>**Note:** OAM ASDK –`oamasdk-api.jar` is available in `$ORACLE_HOME/common/lib` directory, copy the same to the host where the application using ASDK is deployed. |
| 28027669 | ASDK API FIX FOR BUG:27161546 |
| 27931041 | COMPATIBILITY FIX & OAM11.1.2.3.180417:SYS ERR FOR 10G WG FOR RSRC %26.HTML |
| 27802941 | STUCK THREADS DUE TO INCIDENT REPORTING IN FEDERATION |
| 27781001 | Fix for Bug 27781001 |
| 27732020 | ADMINISTRATION REVOKED USER SHOULD NOT ACCESS APP DOMAIN BY REST OPERATION |
| 27663475 | Fix for Bug 27663475 |
| 27605692 | TECHP: LDAP_SSL_PROTOCOL SETTING REMOVED AFTER UPDATING IDSTORE VIA OAMCONSOLE |
| 27601504 | OAUTH - NO CUSTOM ATTRIBUTES IN ACCESS TOKEN |
| 27584074 | IMPORTACCESSSTORE FAIL: MISMATCHED NO. OF ENTITIES BEFORE & AFTER TRANSFORMATION |
| 27578580 | CUSTOMWAR FILE NEEDS TO INCLUDE THE FORGOT PASSWORD PAGES |
| 27528858 | SESSION AUDIT:INCORRECT REQUEST TYPE DISPLAYED FOR GET, UPDATE & DELETE COMMANDS |
| 27506785 | INT STG PRIMRY: WEBGATE CONNECTIVITY ISSUES AFTER APPLYING BP13 PATCH |
| 27492241 | OAM: DISPLAYWEBGATE11AGENT WLST: DOES NOT DISPLAY LOGOUTURLS |
| 27440104 | OAM 12C: OAUTH: CANNOT CHANGE KEYATTRIBUTENAME VALUE |
| 27355457 | STRESS:12COAM:NULLPOINTEREXCEPTIO N IN OAUTH CREATEDOMAIN NEGATIVE STRESS TEST |
| 27338937 | DIAG LOG MESSAGES TRACING LOGOUT WORKFLOW |
| 27287517 | UPDATING GETOTP.JSP IN OAM-SERVER.EAR TO WORK IN DCC TUNNELLING CASE |

| Base Bug Number | Description of the problem |
|---|---|
| 27255144 | FIX OAMCUSTOMPAGES IN 12C |
| 27203475 | OIDC:SPACE CHAR SHOULD BE NOT ALLOWED TO USE FOR RESERVER NAME |
| 27149541 | NOTIFICATIONS 'DIAGNOSTICCOOKIECONFIG' AFTER UPGRADING OAM 11.1.2.2 TO 11.1.2.3 |
| 27072426 | UNABLE TO VIEW ALL IPS IN AUTHORIZATION POLICY IN APPLICATIO DOMAIN OAM CONSOLE |
| 27050584 | HOW TO MAKE IDP DN MAPPINGS CASE INSENSITIVE WITH 11.1.2.3 FEDERATION<br>**Note:** To enable Case insensitive feature for DNIDPMapping , run the following wlst command:<br>`putBooleanProperty("/dnidpmapping/caseinsensitive", "true");` |
| 27028826 | TECHPLAT: OAM 12.2.1.3 FAILS TO CONNECT TO LDAPS |
| 26912813 | "AGENT TYPE" IS NULL IN OAM ADMIN CONSOLE IF WEB BROWSER LANGUAGE IS JAPANESE |
| 26864424 | "ALLOW OAUTH TOKEN" AND "ALLOW SESSION IMPERSONATION" SHOULD BE REMOVED FROM OAM |
| 26844537 | EDITWEBGATE11GAGENT UPDATE CAUSES ERRORS WHEN ACCESS WG AGENT FROM CONSOLE |
| 26843227 | THERE IS A BROKEN LINK FOR "CREATE X509 AUTHENTICATION MODULE" |

| Base Bug Number | Description of the problem |
| --- | --- |
| 26784192 | USING IDENTITY CONTEXT IN AUTH PLUGIN OAM<br>**Note:**<br>In order to access ResourceID and AgentAppDomain from authentication context in a custom authn plugin, use:<br>`authenticationContext.getStringAttribute("ResourceId")` and `authenticationContext.getStringAttribute("AgentAppDomain")`<br>Format of the expected parameters:<br>`ResourceID contains <resourceType>::<HostIdentifier>::<resourceURL>`<br>`AgentAppDomain contains APP:<AppDomain>\| AGENT:<AgentType>:<WebgateID>`<br>For Example,<br>ResourceID = HTTP::RREG_HostId11G::/hostid/**::<br>AgentAppDomain = APP:NewAgent\| AGENT:0:TWG_49 |
| 26630561 | DIAG: NEED DETAILED DEBUG OUTPUT FOR TOTPPLUGIN |
| 26540242 | OAM 11.1.2.3 AUTHENTICATION FAILURE CODE NOT AUDITED |
| 26535030 | ADD RESILIENCY CHECK FOR POLICY CACHE IN OAM CLUSTERS |

| Base Bug Number | Description of the problem |
|---|---|
| 25900160 | OAM_RES NEEDS TO BE CONFIGURABLE IN PS3 TO BEHAVE LIKE PS2<br>**Note:** The following sample configuration segment is introduced in the oam-config.xml when the WLST command displayAuthZCallBackKey() is executed:<br><br>`Xpath : "/DeployedComponent/ Server/NGAMServer/Profile".`<br><br>`<Setting Name="AuthZCallBack" Type="htf.map"> <Setting Name="AuthZHashKey" Type="xsd:string">1E8461DFA32AD746 AF28BAAAA9F327327941C14CAC216DCFA9 AC17985E097A0DD603EC1DF5C6D9F5C904 ED44952A5D5F</Setting> <Setting Name="AuthZCallBackEnabled" Type="xsd:boolean">true</Setting> </Setting>`<br><br>If `AuthZCallBackEnabled` is set to `false`, then both `oam_res` and `oam_res_hash` are not populated. Only redirection occurs to configured AuthZ Success URL.<br>If `AuthZCallBackEnabled` is set to`true` then both `oam_res` and `oam_res_hash` are populated with its values after redirection occurs to configured AuthZ Success URL. |

## Resolved Issues in 12.2.1.3.180414

| Base Bug Number | Description of the problem |
|---|---|
| 27605234 | OAM12C: ADMIN REST API AUTHNPOLICY IS FAILING WITH REQUEST FAILED |

| Base Bug Number | Description of the problem |
| --- | --- |
| 27371324 | MAKE PASSWORDMANAGEMENTMODULE AS THE DEFAULT MODULE FOR OAM FRESH INSTALL<br>**Note:** In case of patched environment for BP02, the `PasswordPolicyValidationScheme` will use the original Password policy validation module. Customers who wish to use Multiple Password Policy feature, Forgot Password using OTP and Changing User Status using REST API has to manually change the module that `PasswordPolicyValidationScheme` is using to `PasswordPolicyManagementModule.` |
| 27314613 | OIF : IDP INITIATED FLOW WITH USER PROVISIONING PLUG-IN ENABLED DISPLAYS SYSTEM |
| 27206989 | ABILITY TO UPDATE CONFIGURATION USING REST |
| 27205555 | LOGOUT DONEURL WITH ISALLOWSCHEMERELATIVEURLS SET PERMIT NON-WHITELISTED URL<br>**Note:** To enable/disable scheme relative url , add `isAllowSchemeRelativeURLS` boolean attribute to `oam-config.xml` file, and set the value to true/false respectively.<br>**Example:**<br>`<Setting Name="EndURLWhiteList" Type="htf:map">`<br>`<Setting Name="isAllowSchemeRelativeURLS" Type="xsd:boolean">true</Setting>`<br>`<Setting Name="enableWhiteListValidation" Type="xsd:boolean">true</Setting>`<br>`<Setting Name="WhiteListURLs" Type="htf:map">`<br>`</Setting>`<br>`</Setting>` |
| 27202829 | NOTIFICATION MESSAGES "OAM-CONFIG.XML AS :EXTER" CONSTANTLY LOGGING IN OAM LOGS |

| Base Bug Number | Description of the problem |
| --- | --- |
| 27161546 | Fix for Bug 27161546<br>Refer to technical note Doc ID 2386496.1 available on My Oracle Support. You can access My Oracle Support at https://support.oracle.com.<br>**Note:** By default, the fix for this bug is disabled. The fix can be enabled by adding `globalHMACEnabled` as `true`. If the flag is not present or is present with value `false`, then the fix is disabled.<br>Before enabling the fix, it is to be ensured that all webgates are patched with complementary fix (Bug: 27258588, 27355601, and 27568356). For patching webgate, follow webgate patching process.<br>**Path:** `NGAMConfiguration>DeployedComponent>Server>NGAMServer>Profile>oamproxy`<br>**Caution:** If all the webgates are not patched and the flag is enabled, then all those webgates which are not patched will not work.<br>Following is the process to introduce/update the flag value:<br>• Create a `config.properties` file with the following content:<br>`oam.entityStore.schemaUser=[OAM Schema Name]`<br>`oam.entityStore.ConnectString=jdbc:oracle:thin:@[Database Host]:[DB Port]:[Service_ID]`<br>`oam.entityStore.schemaPassword=[Schema Password]`<br>`oam.importExportDirPath=[Directory where oam-config.xml will be exported/(imported from)]`<br>`oam.frontending=params=host;port;protocol`<br>**Note:** Put `oam.frontending` line as is for the command to work in above config file.<br>• Export the entire `oam-config.xml` using the following command:<br>`bash-4.1$ cd [Middleware_Home]`<br>`bash-4.1$ [JDK/JRE_Home]/bin/java -cp` |

| Base Bug Number | Description of the problem |
| --- | --- |
| | `./idm/oam/server/tools/config-utility/config-utility.jar:./oracle_common/modules/oracle.jdbc/ojdbc8.jar oracle.security.am.migrate.main.ConfigCommand [OAM_Domain_Home] export[Path]/config.properties`<br><br>**Note:**<br>– `config.properties` is the file created in step 1. `oam-config.xml` will be exported to path [oam.importExportDirPath]<br>– Line breaks in above command are only for demonstration purposes.<br>• Now change the value of field `globalHmacEnabled` to `true/false`<br>• Import the updated `oam-config.xml` using the same command used in step:2 , just change `export` to `import`. |
| 27361854 | Fix for bug 27361854<br><br>**Note:** This bug is dependent on bug 27161546. Along with this, complementary fix on webgate side is covered by bug 27355601. |
| 27853736 | DCC RELOGIN FLOW AFTER IDLE TIME OUT DISPLAY SYSTEM ERROR PAGE<br><br>**Note:** This bug is dependent on bug 27361854. |
| 27132341 | INT STG PRIMARY OAM - UNABLE TO LOGIN TO NEW AGENTS AFTER OCT17 BP |
| 27095174 | OPENIDCONNECT SUPPORT FOR OAM SERVER |
| 27084858 | PSFE ENHANCEMENT TO RUN FOR BUNDLE PATCH UPDATES |
| 27068410 | DISABLE PLAINTEXT OBRAREQ/OBRAR FRONT CHANNEL |
| 26914133 | POST DATA PRESERVATION DOES NOT WORK WHEN POST DATA IS LARGER THAN 1200 BYTES |
| 26901175 | PASSWORDOLICYREST:: DELETING ALL PASSWORD POLICIES SHOWS INCORRECT MESSAGE |
| 26862217 | POLICY SYNC TO MANAGED SERVERS IS VERY SLOW WHEN APPDOMAIN HAS LOT OF RESOURCES |

| Base Bug Number | Description of the problem |
|---|---|
| 26479576 | SAML-PROTECTED APPLICATION USING FRAMES IS BROKEN BY RETURN OF CLICKJACKINGSCRIP<br>**Note:** This fix validates the correct url i.e. the next redirect url against WhiteListURLs in federation flow.<br>After applying the patch and before starting OAM nodes. Add the following setting to`oam-config.xml` file under `<Setting Name="EndURLWhiteList" Type="htf:map">` with the REQUEST_URL_KEY that you want to use against WhiteListURLs check.<br>`<Setting Name="FedActionUrlKey" Type="xsd:string"><REQUEST_URL_KEY></Setting>`<br>**Example:**<br>`<Setting Name="EndURLWhiteList" Type="htf:map">`<br>`<Setting Name="FedActionUrlKey" Type="xsd:string">oracle.security.fed.post.actionurl</Setting>`<br>`</Setting>` |
| 26286819 | STRESS:12C OAM- DEADLOCK DETECTED IN OAM DB DURING STRESS TEST |
| 25867806 | ENT INT STG DR-TR - PATCH REQUIRED FOR DELETION OF OSSO AND FEDERATION PARTNERS |
| 25369080 | DI BASED ON BUG 23745818 : LOGS TO INDICATE FED DEFAULT AUTHN SCHEME ID |
| 25170276 | PARAMETER "EMAILMSGFROMNAME" BEING IGNORED IN OTP E-MAILS |
| 24357957 | OAM WHITELIST SHOULD HAVE CONFIG TO ENABLE/DISABLE HOSTID CHECKS<br>**Note:** Enable/Disable the HostId validation mode using WLST command: `oamSetHostIdValidationMode`(default is true). |
| 23185976 | VALIDATE WEBGATEID WHEN RUNNING WLST : UPDATEWEBGATETEMPLATETOWEBGATE MAPPING |

## Resolved Issues in 12.2.1.3.171121

**Table 1-4 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<br>**Note:** To update the default auth level for impersonation, a new entry `MaxAuthlevel` is introduced in *oam-config.xml* under `ImpersonationConfig`.<br>Example: `<Setting Name="MaxAuthLevel" Type="xsd:string">4</Setting>`<br>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 |
| 26420974 | DETERMINE WHETHER AGENT IS DCC WEBGATE |
| 26375044 | AUTHENTICATION FAILING FOR USER-AGENT MATCHING PRE-AUTHN RULE<br>**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 |

**Table 1-4 (Cont.) Resolved Issues in Release 12.2.1.3.171121**

| Base Bug Number | Description of the Problem |
|---|---|
| 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 |
| 24817439 | SAML ASSERTION HAS INCORRECT DATA FORMAT FOR NAMEID-FORMAT:ENTITY<br>**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.<br>After applying the fix, following WLST command needs to be executed:<br>`domainRuntime()`<br>`updatePartnerProperty("<IDP-partner-name>","idp", "sendsamlissuerformat", "false", "boolean")`<br>**Example:** updatePartnerProperty("lcr01103-idp", "idp", "sendsamlissuerformat", "false", "boolean") |

**Table 1-4 (Cont.) Resolved Issues in Release 12.2.1.3.171121**

| Base Bug Number | Description of the Problem |
|---|---|
| 24746284 | IDENTITY CONTEXT CLARIFICATION ON PUBLISHED ATTRIBUTES FORMAT<br>**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 |

# 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/Doc ID | Bug Number/Doc ID | Description of the Problem |
|---|---|---|---|
| OAM BUNDLE PATCH 12.2.1.3.200629 | 31338274 | 2670747.1 | After upgrade from 11.1.2.3.0 to 12.2.1.3.0, and applying the OAM 12.2.1.3.181213 BP configured with Oracle Database version 19.x.x, Admin Server startup fails with the following error:<br><br>`Internal Exception: java.sql.SQLRecoverableException: IO Error: Broken pipe Error Code: 17002 Call: SELECT FILE_CONTENT FROM OAM_FILE_ARTIFACTS WHERE (ID = ?) FOR UPDATE`<br><br>For details and workaround, see `Doc ID 2670747.1` at https://support.oracle.com |

| Bundle Patch Number | Base Bug Number/Doc ID | Bug Number/Doc ID | Description of the Problem |
|---|---|---|---|
| OAM BUNDLE PATCH 12.2.1.3.0 (ID:191201.0123.S) | N/A | 2622132.1 | When using a `failure_url` in one of the following scenarios, it causes an OAM system error instead of being redirected to the expected or defined failure URL:<br>• Using the OAM impersonation feature and calling the following URL that includes a `failure_url` parameter:<br>`http://<OAMHOST>:<OAMPORT>/oam/server/impersonate/start?userid=<USERNAME>&success_url=<SUCCESS_URL>&failure_url=<FAILURE_URL>`<br>• Using a federation flow for CUSTOM nameid format that includes any failure URL. |

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|---|---|---|---|
| 12.2.1.3.190609 | N/A | 29940526 | When you create the identity provider (IdP) or Service Provider (SP) partners using the Oracle Access Management Console, the following error message appears:<br>`"An internal error occurred while creating Identity Provider Partner. Check the logs for additional details."`<br>There is no impact to functionality, and no user action is needed. |
| 12.2.1.3.190609 | N/A | N/A | WebGate 12*c* is using the underscore ( _ ) for host and port separator in Authentication cookie names. For example, the OAMAuthnCookie name format `OAMAuthnCookie_example.com:443` is now replaced as `OAMAuthnCookie_example.com_443`. This leads to SSO failure between the Detached Credential Collector (DCC) and DCC Tunneled resources as the server continues to use the older cookie name format. To resolve this issue, add `UniqueCookieNames=legacy` to the to the User-defined parameters of the DCC WebGate profile. This will allow Webgate to use older cookie name format. |

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|---|---|---|---|
| 12.2.1.3.180904 | MOS Note ID: 2460270.1 | 28277233 | There is a policy corruption issue which occurs when there are multiple webgates with multiple resources. The end user will not be allowed to access the application. Customers encountering this issue should request a one-off patch. |
| 12.2.1.3.180706 | N/A | N/A | The only supported response_type for /authorize endpoint to OIDC Server is code i.e.response_type=code . |
| 12.2.1.3.180414 | 27068410 | 27606513 | `disable10gPlainTextReqRes`parameter is case sensitive<br>Workaround is to use `disable10gPlainTextReqRes` 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.<br>Workaround is that the Agent Name and Preferred Host has to be same for the registered 10*g* Webgate Agent Profiles. |

| Bundle Patch Number | Base Bug Number/Doc ID | Bug Number/Doc ID | Description of the Problem |
|---|---|---|---|
| | 27068410 | 27626433 | Functionality does not work when bulk updates are done for updating the `userdefinedparam` of 10*g* agent profiles.<br>Workaround is to update the `userdefinedparam` of all the 10*g* agent profiles manually using the oamconsole. |
| | 27582324 | | POST data restoration will not work with `ChallengeRedirectMethod=GET`<br>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.<br>The Workaround is to add the required fields to update the properties in `oam-config.xml` file by adding them to the `ConfigParams` section of the `OAMMFAOTP` definition. |