**Oracle® Fusion Middleware**

Oracle Identity Governance Bundle Patch Readme

OIM BUNDLE PATCH 12.2.1.4.230708

F83400-01

# Oracle Identity Governance Bundle Patch Readme

This document is intended for users of OIM BUNDLE PATCH 12.2.1.4.230708. It contains the following sections:

> **Note:**
>
> For issues documented after the release of OIM BUNDLE PATCH 12.2.1.4.230708, see My Oracle Support Document 2602696.1 at https://support.oracle.com/.

- Major Enhancements in Bundle Patch 12.2.1.4.220413
- Major Enhancements in Bundle Patch 12.2.1.4.211010
- Major Enhancements in Bundle Patch 12.2.1.4.210708
- Resolved Issues
- Known Issues and Workarounds
- Related Documents
- Documentation Accessibility

# Understanding Bundle Patches

This section describes bundle patches and explains differences between bundle patches, patch set exceptions (also known as one-offs), and patch sets.

- Stack Patch Bundle
- Bundle Patch
- Patch Set Exception
- Patch Set

## Stack Patch Bundle

Stack Patch Bundle deploys the IDM product and dependent FMW patches using a tool. For more information about these patches, see *Quarterly Stack Patch Bundles (Doc ID 2657920.1)* at https://support.oracle.com.

## Bundle Patch

A bundle patch is an official Oracle patch for an Oracle product. 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. Regression testing has also been performed to ensure backward compatibility with all Oracle Mobile Security Suite components in the bundle patch.

## Patch Set Exception

In contrast to a bundle patch, a patch set exception addressed only one issue for a single component. Although each patch set exception was an official Oracle patch, it was not a complete product distribution and did not include packages for every component. A patch set exception included only the libraries and files that had been rebuilt to implement a specific fix for a specific component.

## Patch Set

A patch set is a mechanism for delivering fully tested and integrated product fixes. A patch set can 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 a patch set are tested and 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 you apply these certified patches. For more information about these patches, see *Certification of Underlying or Shared Component Patches for Identity Management Products (Doc ID 2627261.1)* at https://support.oracle.com.

# Bundle Patch Requirements

You must satisfy the following requirements before applying this bundle patch:

- Verify that you are applying this bundle patch to an Oracle Identity Governance 12.2.1.4.0 installation.

  > **Note:**
  >
  > When installing OPatch, you might find that interim or one off patches have already been installed.

- Download the latest version of OPatch. Oracle recommends using the latest version of OPatch to all customers. To learn more about OPatch and how to download the latest version, refer to the following:

  You can access My Oracle Support at https://support.oracle.com.

- Verify the OUI Inventory. To apply patches, OPatch requires access to a valid OUI Inventory. To verify the OUI Inventory, ensure that ORACLE_HOME/OPatch appears in your PATH for example:

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

Then run the following command in OPatch inventory

```
opatch lsinventory
```

If the command returns an error or you cannot verify the OUI Inventory, contact Oracle Support. You must confirm the OUI Inventory is valid before applying this bundle patch.

- Confirm the opatch and unzip executables exist and appear in your system PATH, as both are needed to apply this bundle patch. Execute the following commands:

  ```
  which opatch
  which unzip
  ```

  Both executables must appear in the PATH before applying this bundle patch.
- Ensure that there are no pending JMS messages in Oracle Identity Governance server. You can monitor JMS messages with WebLogic console.

## Applying the Bundle Patch to an Existing Instance

Applying OIM BUNDLE PATCH 12.2.1.4.230708 is done in the following stages:

> **Note:**
>
> Before performing the steps to apply the bundle patch, create a backup of the database, as stated in Prerequisites of Applying the Bundle Patch which will help you roll back to the previous release.

- Understanding the Process Sequence With an Example
- Patching the Oracle Binaries (OPatch Stage)
- Stage 2: Filling in the patch_oim_wls.profile File
- Stage 3: Patching the Oracle Identity Governance Managed Servers (patch_oim_wls Stage)

### Understanding the Process Sequence With an Example

If you have ORACLE_HOME_A and ORACLE_HOME_B, and ORACLE_HOME_A is running WebLogic Admin Server, oim_server1, and soa_server1, and ORACLE_HOME_B is running oim_server2 and soa_server2, then the following is the process sequence to apply the bundle patch to the Oracle Identity Governance instance:

1. Shutdown the Oracle Identity Governance server, WebLogic Admin Server, and SOA Managed Server.

2. Run 'Opatch apply' on ORACLE_HOME_A. See Patching the Oracle Binaries (OPatch Stage) for more information.
3. Run 'Opatch apply' on ORACLE_HOME_B. See Patching the Oracle Binaries (OPatch Stage) for more information.
4. Fill-in the patch_oim_wls.profile file and run patch_oim_wls on ORACLE_HOME_A with WebLogic Admin Server, oim_server1, and soa_server1 running. The rest of the servers on other nodes can be down.

   See Stage 2: Filling in the patch_oim_wls.profile File for information on filling in the patch_oim_wls.profile.

   See Stage 3: Patching the Oracle Identity Governance Managed Servers (patch_oim_wls Stage) for information about running patch_oim_wls.
5. Restart the managed servers on all the nodes.

## Patching the Oracle Binaries (OPatch Stage)

This section describes the process of applying the binary changes by copying files to the ORACLE_HOME directory, on which Oracle Identity Governance is installed. This step must be executed for each ORACLE_HOME in the installation topology nodes irrespective of whether Oracle Identity Governance server is being run in the node or not.

Perform the following steps to apply the bundle patch to an existing Oracle Identity Governance instance:

1. Stop the Admin Server, all Oracle Identity Governance managed servers, and all SOA managed servers.
2. Create a directory for storing the unzipped bundle patch. This document refers to this directory as PATCH_TOP.
3. Unzip the patch zip file in to the PATCH_TOP directory you created in step 2 by using the following command:

   ```
   unzip -d PATCH_TOP p35581778_122140_Generic.zip
   ```

   > **Note:**
   >
   > On Windows, the unzip command has a limitation of 256 characters in the path name. If you encounter this issue, use an alternate ZIP utility, for example 7-Zip to unzip the zip file.
   >
   > Run the below command to unzip the file:
   >
   > ```
   > "c:\Program Files\7-Zip\7z.exe" x p35581778_122140_Generic.zip
   > ```

4. Move to the directory where the patch is located. For example:

   ```
   cd PATCH_TOP/35581778
   ```

5. Set the ORACLE_HOME directory in your system. For example:

   ```
   setenv ORACLE_HOME /u01/Oracle/Middleware
   ```

6. Ensure that the OPatch executables are present in your system PATH. To update the PATH environment variable to include the path of Opatch directory, run the following command:

   ```
   export PATH=$ORACLE_HOME/Opatch:$PATH
   ```

7. Apply the bundle patch to the ORACLE_HOME using the following command for Oracle Identity Governance:

   ```
   opatch apply
   ```

   > **Note:**
   >
   > If OPatch fails with error code 104, cannot find a valid oraInst.loc file to locate Central Inventory, include the -invPtrLoc argument, as follows:
   >
   > ```
   > opatch apply -invPtrLoc ORACLE_HOME/oraInst.loc
   > ```

   When OPatch starts, it will validate the patch and ensure there are no conflicts with the software already installed in the ORACLE_HOME. OPatch categorizes two types of conflicts:

   - Conflicts with a patch already applied to the ORACLE_HOME. In this case, stop the patch installation and contact Oracle Support.
   - Conflicts with subset patch already applied to the ORACLE_HOME. In this case, continue the install, as the new patch contains all the fixes from the existing patch in the ORACLE_HOME. The subset patch will automatically be rolled back prior to the installation of the new patch.

     > **Note:**
     >
     > For clustered and multi-node installation of Oracle Identity Governance, this step must be run on all the ORACLE_HOME directories on which Oracle Identity Governance is installed.

8. Start all the servers in the OIG domain, which are the Admin Server, SOA Server, and Oracle Identity Governance Server.

## Stage 2: Filling in the patch_oim_wls.profile File

Using a text editor, edit the file `patch_oim_wls.profile` located in the directory ORACLE_HOME/idm/server/bin/ directory and change the values in the file to match your environment. The `patch_oim_wls.profile` file contains sample values.

> **Note:**
>
> For clustered and multinode installation of Oracle Identity Governance, perform the step described in this topic on the ORACLE_HOME_A directory on which Oracle Identity Governance is installed. This is because you need to run the `patch_oim_wls` script from the node with WebLogic Admin Server, oim_server1, and soa_server1 installed. In the `patch_wls_oim.profile` file, mention the host and port of the Oracle Identity Governance server and SOA server running on the first node. When you run the script, only WebLogic Admin Server, oim_server1, and soa_server1 should be running, and the rest of the servers can be down.

Table 1-1 lists the information to be entered for the `patch_oim_wls.profile` file. This file is used in next stage of the bundle patch process.

**Table 1-1 Parameters of the patch_oim_wls.profile File**

| Parameter | Description | Sample Value |
|---|---|---|
| ant_home | Location of the ANT installation. It is usually under MW_HOME. | For Linux: $MW_HOME/ oracle_common/modules/ thirdparty/org.apache.ant/ 1.10.5.0.0/apache-ant-1.10.5/<br>For Windows: %MW_HOME%/ oracle_common/modules/ thirdparty/org.apache.ant/ 1.10.5.0.0/apache-ant-1.10.5/ |
| java_home | Location of the JDK/JRE installation that is being used to run the Oracle Identity Governance domain. | For Linux: <JAVA_HOME_PATH> consumed by $MW_HOME<br>For Windows: <JAVA_HOME_PATH> consumed by %MW_HOME% |
| mw_home | Location of the middleware home location on which Oracle Identity Governance is installed. | For Linux: /u01/Oracle/ Middleware<br>For Windows: C:\Oracle\MW_HOME\ |
| oim_oracle_home | Location of the Oracle Identity Governance installation. | For Linux: $MW_HOME/idm<br>For Windows: %MW_HOME% \idm |
| soa_home | Location of the SOA installation. | For Linux: $MW_HOME/soa<br>For Windows: %MW_HOME% \soa |

**Table 1-1 (Cont.) Parameters of the patch_oim_wls.profile File**

| Parameter | Description | Sample Value |
|---|---|---|
| weblogic.server.dir | Directory on which WebLogic server is installed. | For Linux: $MW_HOME/wlserver<br>For Windows: %MW_HOME%\wlserver |
| domain_home | Location of the domain home on which Oracle Identity Governance is installed. | $MW_HOME/user_projects/domains/base_domain |
| weblogic_user | Domain administrator user name. Normally it is weblogic, but could be different as well. | weblogic |
| weblogic_password | Domain admin user's password. If this line is commented out, then password will be prompted. | NA |
| soa_host | Listen address of the SOA Managed Server, or the hostname on which the SOA Managed Server is listening.<br>**Note**: If the SOA Managed Server is configured to use a virtual IP address, then the virtual host name must be supplied. | oimhost.example.com |
| soa_port | Listen port of the SOA Managed Server, or SOA Managed Server port number. | 8001<br>Only Non-SSL Listen port must be provided. |
| operationsDB.user | Oracle Identity Governance database schema user. | DEV_OIM |
| OIM.DBPassword | Oracle Identity Governance database schema password. If this line is commented out, then the password will be prompted when the script is executed. | NA |
| operationsDB.host | Host name of the Oracle Identity Governance database. | oimdbhost.example.com |
| operationsDB.serviceName | Database service name of the Oracle Identity Governance schema/database. This is not the hostname and it can be a different value as well. | oimdb.example.com |
| operationsDB.port | Database listener port number for the Oracle Identity Governance database. | 1521 |
| mdsDB.user | MDS schema user | DEV_MDS |

**Table 1-1 (Cont.) Parameters of the patch_oim_wls.profile File**

| Parameter | Description | Sample Value |
|---|---|---|
| mdsDB.password | MDS schema password. If this line is commented out, then password will be prompted. | NA |
| mdsDB.host | MDS database host name | oimdbhost.example.com |
| mdsDB.port | MDS database/Listen port | 1521 |
| mdsDB.serviceName | MDS database service name | oimdb.example.com |
| oim_username | Oracle Identity Governance username. | System administrator username |
| oim_password | Oracle Identity Governance password. This is optional. If this is commented out, then you will be prompted for the password when the script is executed. | NA |
| oim_serverurl | URL to navigate to Oracle Identity Governance. | t3://oimhost.example.com:14000 |
| wls_serverurl | URL to navigate to WLS Console | t3://wlshost.example.com:7001 |
| opss_customizations_present=false | Enables customizations related to authorization or custom task flow. Set this value to true to enable customization. | true |
| ATP-D | Set the value to false if DB type is not ATP-D. Set this to true if underlying DB type is ATP-D. | true |
| TNS_ADMIN | Set this value only if the value of ATP-D is true. Set this value to the TNS String as provided by DB Admin, for example, fmwatpdedic2_tp?TNS_ADMIN=/home/opc. Here, /home/opc is the path of the wallet zip that is downloaded. If you are using some other predefined service, then provide the path to that service. | fmwatpdedic2_tp?TNS_ADMIN=/home/opc |

> **Note:**
>
> Update the parameter value as per the setup used and then execute the `patch_oim_wls.sh` file.

# Stage 3: Patching the Oracle Identity Governance Managed Servers (patch_oim_wls Stage)

Patching the Oracle Identity Governance managed servers is the process of copying the staged files in the previous steps (stage 1) to the correct locations, and running SQL scripts and importing event handlers and deploying SOA composite. For making MBean calls, the script automatically starts the Oracle Identity Governance Managed Server and SOA Managed Server specified in the patch_oim_wls.profile file.

This step is performed by running patch_oim_wls.sh (on UNIX) and patch_oim_wls.bat (on Microsoft Windows) script by using the inputs provided in the patch_oim_wls.profile file. As prerequisites, the WebLogic Admin Server, SOA Managed Servers, and Oracle Identity Governance Managed Server must be running.

> **Note:**
>
> For clustered and multinode installation of Oracle Identity Governance, perform the steps described in this topic on the ORACLE_HOME_A directory on which Oracle Identity Governance is installed. In other words, run the `patch_oim_wls` script from the node with WebLogic Admin Server, oim_server1, and soa_server1 installed. When you run the script, only WebLogic Admin Server, oim_server1, and soa_server1 should be running, and the rest of the servers can be down.

To patch Oracle Identity Governance Managed Servers on WebLogic:

1. Make sure that the WebLogic Admin Server, SOA Managed Servers, and Oracle Identity Governance Managed Server are running.
2. Set the following environment variables:

   For LINUX or Solaris, set the JAVA_HOME environment variable:

   ```
   export JAVA_HOME=<JAVA_HOME_PATH>
   export PATH=$JAVA_HOME/bin:$PATH
   ```

   For Microsoft Windows:

   ```
   set JAVA_HOME=<JAVA_HOME_PATH>
   set ANT_HOME=\PATH_TO_ANT_DIRECTORY\ant
   set ORACLE_HOME=%MW_HOME%\idm
   ```

> **Note:**
>
> Make sure to set the reference to JDK binaries in your PATH before running the patch_oim_wls.sh (on UNIX) or patch_oim_wls.bat (on Microsoft Windows) script. This JAVA_HOME must be of the same version that is being used to run the WebLogic servers. The JAVA_HOME version from /usr/bin/ or the default is usually old and must be avoided. You can verify the version by running the following command:
>
> ```
> java -version
> ```

3. Execute patch_oim_wls.sh (on UNIX) or patch_oim_wls.bat (on Microsoft Windows) to apply the configuration changes to the Oracle Identity Governance server. On Linux systems, you must run the script in a shell environment using the following command:

   ```
   sh patch_oim_wls.sh
   ```

   > **Note:**
   >
   > For EDG implementations, this script must be run against the mserver domain directory rather than the server domain directory.

4. Delete the following directory from OIG domain home:

   $DOMAIN_HOME/servers/oim_server1/tmp/_WL_user/oracle.iam.console.identity.self-service.ear_V2.0

   Here, oim_server1 is the weblogic managed server used for OIG.

5. To verify that the patch_oim_wls script has completed successfully, check the ORACLE_HOME/idm/server/bin/patch_oim_wls.log log file.

   > **Note:**
   >
   > On running the patch_oim_wls script, the $DOMAIN_HOME/servers/MANAGED_SERVER/security/boot.properties file might be deleted. If you use a script to start the Managed Server and use the boot.properties file to eliminate the need of entering the password in the script, then create a new boot.properties file.
   >
   > In an EDG environment, the boot.properties file is in MSERVER_HOME/servers/MANAGED_SERVER/security.

6. Stop and start WebLogic Admin Server, SOA Server, and Oracle Identity Governance Server.

- Shutting down Oracle Identity Governance server might take a long time if it is done with force=false option. It is recommended that you force shutdown Oracle Identity Governance server.
- The patch_oim_wls script is re-entrant and can be run again if a failure occurs.

## Applying the Bundle Patch to a New Instance

Perform the following steps to apply the bundle patch to a new instance:

- Installing a New Oracle Identity Governance Instance with OIM BUNDLE PATCH 12.2.1.4.230708
- Updating Oracle Identity Governance Web Applications
- Prerequisites of Applying the Bundle Patch

## Installing a New Oracle Identity Governance Instance with OIM BUNDLE PATCH 12.2.1.4.230708

You can install a new Oracle Identity Governance instance with the bundle patch in any one of the following ways:

- Using the Quickstart Installer
- Using the Generic Installer

### Using the Quickstart Installer

To install a new instance of Oracle Identity Governance with the bundle patch by using the Quickstart installer:

> **Note:**
>
> For clustered deployments, perform the steps provided in this section on each node in the cluster.

1. Start the installation by referring to Installing Oracle Identity Governance Using Quickstart Installer of *Installing and Configuring Oracle Identity and Access Management*. Before creating the database schema, apply the patch by using Opatch, as described in Patching the Oracle Binaries (OPatch Stage). Then, continue with schema creation.

   > **Note:**
   >
   > It is recommended that this step is performed before creating or extending the domain with Oracle Identity Governance.

2. Create the domain by launching the configuration wizard, as specified in Configuring and Updating the Oracle Identity Governance Domain of *Installing and Configuring Oracle Identity and Access Management*.
3. Run the `offlineConfigManager` command to perform post configuration tasks. See Running the Offline Configuration Command in *Installing and Configuring Oracle Identity and Access Management*.
4. Start the WebLogic Admin Server, SOA Server, and OIG server.
5. Verify that you are able to log in to Oracle Identity Self Service or Oracle Identity System Administration.
6. Login to Oracle Enterprise Manager Fusion Middleware Control, and invoke the OIMSOAIntegrationMBean to integrate OIG with SOA. See Integrating Oracle Identity Governance with Oracle SOA Suite in *Installing and Configuring Oracle Identity and Access Management*.

## Using the Generic Installer

To install a new instance of Oracle Identity Governance with the bundle patch by using the generic installer:

> **Note:**
>
> For clustered deployments, perform the steps provided in this section on each node in the cluster.

1. Start the installation by referring to Configuring the Oracle Identity Governance Domain of *Installing and Configuring Oracle Identity and Access Management*. Before creating the database schema, apply the patch by using Opatch, as described in Patching the Oracle Binaries (OPatch Stage). Then, continue with schema creation.

   > **Note:**
   >
   > It is recommended that this step is performed before creating or extending the domain with Oracle Identity Governance.

2. Create the domain by launching the configuration wizard, as specified in Configuring the Domain of *Installing and Configuring Oracle Identity and Access Management*.
3. Run the `offlineConfigManager` command to perform post configuration tasks.
4. Start the WebLogic Admin Server, SOA Server, and OIG server.
5. Verify that you are able to log in to Oracle Identity Self Service or Oracle Identity System Administration.
6. Login to Oracle Enterprise Manager Fusion Middleware Control, and invoke the OIMSOAIntegrationMBean to integrate OIG with SOA. See Integrating Oracle

Identity Governance with Oracle SOA Suite in *Installing and Configuring Oracle Identity and Access Management*.

## Postinstallation Configuration

After installing a new Oracle Identity Governance instance with Bundle Patch 12.2.1.3.180413, perform the following post installation configuration steps:

- Perform the following steps to seed the event handler for Application Onboarding:
  1. Go to, `MW_HOME/idm/server/apps/oim.ear/APP-INF/lib/`.
  2. Locate `BootStrapListener.jar`. Copy the `BootStrapListener.jar` file to a temporary folder, for example `temp_AoB`. Extract the jar files and locate `aob_adapters.xml` file in the `BootStrapListener.jar/scripts/` folder.

     > **Note:**
     >
     > The jar file can be extracted using compression tool such as Zip,7–Zip or by using jar command `jar -xvf` .

  3. Copy the `aob_adapters.xml` file to a local folder.
  4. Using the Import option in Identity System Administration interface, import the `aob_adapters.xml` file into Oracle Identity Governance.

     For detailed steps for importing objects into Oracle Identity Governance, see Importing Deployments in *Administering Oracle Identity Governance*.
  5. Remove the temporary folder `temp_AoB`.

## Updating Oracle Identity Governance Web Applications

The procedure described in this section is applicable only when installing bundle patches for Oracle Identity Governance and not for installing patch set updates.

For updating your web applications on Oracle WebLogic Server:

1. Stop Oracle Identity Governance Managed Server.
2. Login to WebLogic Administrative Console.
3. Click **Lock & Edit**.
4. Go to **Deployments**.
5. Select the **oracle.iam.ui.view** and **oracle.iam.ui.model** app, and click **Update**. Complete the steps of the wizard by clicking **Next**. Do not change anything.
6. Click **Apply Changes**.
7. Start Oracle Identity Governance Managed Server.

## Prerequisites of Applying the Bundle Patch

Before applying the bundle patch, perform the following prerequisites:

- This patch process makes changes to Oracle Identity Governance database schema (such as adding/modifying data), Oracle Identity Governance Meta Data Store (MDS) database schema (such as adding/modifying data), domain configuration changes, and other binary changes in the file system under ORACLE_HOME on which Oracle Identity Governance is installed. It is mandatory to create a backup of the following:
  - Oracle Identity Governance, MDS, and Service-Oriented Architecture (SOA) database schemas. For example, the database schema can be DEV_OIM, DEV_MDS schemas used by Oracle Identity Governance. Simple export of the schemas is sufficient.
  - The ORACLE_HOME directory on which Oracle Identity Governance is installed, for example, /u01/Oracle/Middleware.
  - Oracle Identity Governance WebLogic Domain location, for example, /u01/Oracle/Middleware/user_projects/domains/IAMGovernanceDomain/.
  - The UNIX user applying opatch must have read, write, and execute permissions on both ORACLE_HOME as well as WEBLOGIC_DOMAIN_HOME. You can verify this manually in the file system for DOMAIN_HOME and ORACLE_HOME.
- If you have customized the event handler file metadata/iam-features-configservice/event-definition/EventHandlers.xml in your setup, then perform the following steps to ensure that the upgrade does not override any customization done to this file:
  1. Export the metadata/iam-features-configservice/event-definition/EventHandlers.xml file from MDS, and create a backup of this file.
  2. After upgrading and running all the post install steps, export the new metadata/iam-features-configservice/event-definition/EventHandlers.xml file, merge your customization to this new file, and import it back to MDS.

> **Note:**
>
> For more information on MDS Utilities, see MDS Utilities and User Modifiable Metadata Files.

## Removing the Bundle Patch

If you must remove the bundle patch after it is applied, then perform the following steps:

> **Note:**
>
> For clustered installations, perform steps 1 through 3 on all nodes in the cluster.

1. Perform the same verification steps and requirement checks that you made before applying the bundle patch. For example, backup the XML files and import them to a different location, verify the OUI Inventory and stop all services running from the ORACLE_HOME.
2. Move to the directory where the bundle patch was unzipped. For example:

   ```
   cd PATCH_TOP/35581778
   ```

3. Run OPatch as follows to remove the bundle patch:

   ```
   opatch rollback -id  35581778
   ```

4. Restore ORACLE_HOME, the WebLogic domain home from the backup created before applying the patch.
5. Restore the Oracle Identity Governance database using the backup you created in Step 1 of Applying the Bundle Patch to an Existing Instance.

> **Note:**
>
> - The newer CertificationProcess 2.2 version composite which is deployed as a post patch automation from this patch onwards needs to be undeployed if the patch is rolled back.
> - Previous version of the CertificationProcess composite must be activated.

You must adhere to the following list to undeploy the patch:

- You can no longer configure and monitor this revision of the application.
- You can no longer process instances of this revision of the application.
- The state of currently running instances is changed to aborted and no new messages sent to this composite are processed.
- The instance state of the undeployed composite application is set to aborted. The instance state is available in the instance listing, and you can access audit trail and flow trace details.
- If you undeploy the default revision of the SOA composite application (for example, 2.0), the next active, available revision of the application is automatically designated as the new default (for example, 1.0).

- A warning message is displayed at the end of this wizard when you undeploy the default composite revision.
  If no active revision is available and the default revision is undeployed, your composite may be unable to process new incoming requests. It is recommended that you have at least one active revision of this composite deployed before you undeploy the default revision.

  If you undeploy this revision and no active revisions of this composite are found, a retired revision is automatically designated as the new default revision. A warning message is displayed after this wizard closes. Although all currently executing instances complete normally in retired composites, they cannot process any incoming requests. To process new incoming requests for this composite after the current default revision is undeployed, you must deploy a new revision or reactivate a previously retired revision.

For information about instance, fault, and rejected message states that are updated to aborted during undeployment, see Updating Instance, Fault, and Rejected Message States to Aborted During Undeployment or Redeployment.

> **Note:**
>
> If you want to undeploy and then redeploy an existing revision of this application, do not use this wizard. Instead, use the Redeploy SOA Composite wizard. The Redeploy SOA Composite wizard enables you to redeploy an existing revision of a SOA composite application and remove (overwrite) the older, currently deployed version of the revision.

To undeploy applications:

> **Note:**
>
> You can undeploy multiple SOA composite applications together if they are located in the same SOA folder. For information, refer Managing SOA Folders and Work Manager Groups.

Once the current version is undeployed, previously retired composite needs to be activated. For more information, refer Managing the State of Deployed SOA Composite Applications.

## Changes in Track Request Functionality

Track Request functionality will change after this Bundle Patch is applied.

When a user performs a search in Self Service tab, Track Requests page, and in the search result table, applies Show list option as **For Reportees**, all the requests raised by or for the logged in user and user's direct and indirect reportee are displayed.

**Note:**

- The Organization Name field works only with the For Reportees feature.
- While using the Organization Name search criteria, at least one direct reportee should be associated with the organization. See Errors Related to the For Reportees Feature for the error message that is displayed when an organization name outside the reportee's organization is entered.
- Only two levels of reportees are considered, direct reportees and their immediate reportees
- The total number of direct reportees and indirect reportees must not exceed 1000. See Errors Related to the For Reportees Feature for the error message that is displayed if the number of direct reportees and indirect reportees are more than 1000.

## Copying the Oracle Identity Governance Reports ZIP Directory

Under the Request Summary page of BIP reports URL, when the Request Type is Revoke Entitlement with request start date and request end date, the Request Details column shows the entitlement number instead of the entitlement name. This issue has been fixed. For the fix to work:

1. Manually copy the contents of `$PATCH_DIRECTORY/files/oracle.oim.server/12.2.1.4.0/oracle.oim.symbol/server/reports/oim_product_BIPReports_12c.zip/*` directory to the `$BI_DOMAIN_HOME/bidata/components/bipublisher/repository/Reports/` directory.
2. Restart the BI server.

## Access Policy Harvesting to Enable Account Data Update

As a fix for bug# 30978612 in the bundle patch, the new `XL.APHarvesting.AllowAccountDataUpdate` system property is available to update the account data with the policy defaults for the accounts linked to the access policies. This system property has the following details:

Name: `XL.APHarvesting.AllowAccountDataUpdate`

Keyword: `XL.APHarvesting.AllowAccountDataUpdate`

Default value: `FALSE`

When this system property is set to TRUE, the account data is updated with the policy defaults for the accounts linked to access policy. If set to FALSE or if the system property does not exist, the account data is not updated.

To enable updating the account data with the policy defaults for the accounts linked to the access policies, set the values of the `XL.APHarvesting.AllowAccountDataUpdate`, `XL.AllowAPHarvesting`, `XL.APHarvestRequestAccount`, `XL.APHarvestDirectProvisionAccount`, and `XL.AllowAPBasedMultipleAccountProvisioning` system properties to `TRUE`.

## Bulk Load Utility for Loading Accounts

With the fix for BUG 34599029, if oim server is running in SSL mode by using default setting, while using the bulk load utility for account load, you must modify the file `oim_blkld_accounts.sh` as shown below:

Examples For Linux:

Comment the line:

```
SSL_CONFIG_PARAMS="$SSL_CONFIG_PARAMS -
Dweblogic.security.SSL.trustedCAKeyStore=$TRUSTSTORE_LOCATION -
Dweblogic.security.SSL.protocolVersion=TLSv1.2 -Dhttps.protocols=TLSv1.2 -
Dweblogic.security.SSL.minimumProtocolVersion=TLSv1.2 -
Dweblogic.ssl.JSSEEnabled=true -Dweblogic.security.SSL.enableJSSE=true -
Dweblogic.security.allowCryptoJDefaultJCEVerification=true -
Dweblogic.security.SSL.enforceConstraints=off -
Dweblogic.security.SSL.ignoreHostnameVerification=true”
```

Add the following:

```
SSL_CONFIG_PARAMS="-Dweblogic.security.TrustKeyStore=DemoTrust -
Dweblogic.security.SSL.ignoreHostnameVerification=true -
DproviderURL=t3s://<hostname>:<port>”
```

Example for Windows:

Comment the line:

```
set SSL_CONFIG_PARAMS=-
Dweblogic.security.SSL.trustedCAKeyStore=$TRUSTSTORE_LOCATION -
Dweblogic.security.SSL.protocolVersion=TLSv1.2 -Dhttps.protocols=TLSv1.2 -
Dweblogic.security.SSL.minimumProtocolVersion=TLSv1.2 -
Dweblogic.ssl.JSSEEnabled=true -Dweblogic.security.SSL.enableJSSE=true -
Dweblogic.security.allowCryptoJDefaultJCEVerification=true -
Dweblogic.security.SSL.enforceConstraints=off -
Dweblogic.security.SSL.ignoreHostnameVerification=true
```

Add the below:

```
set SSL_CONFIG_PARAMS="-Dweblogic.security.TrustKeyStore=DemoTrust -
Dweblogic.security.SSL.ignoreHostnameVerification=true -DproviderURL=
t3s://<hostname>:<port>”
```

With the fix for bug# 30145982 in the bundle patch, the Bulk Load Utility for loading account data asks for the following input:

> **Note:**
>
> The requirement to run the Bulk Load Utility for account data has the following requirements:
>
> - Oracle Identity Governance server is running.
> - The `MW_HOME` and *`OIM_ORACLE_HOME`* paths must be accessible although they are running on different hosts.

1. Before running the utility, perform the following steps
    a. Edit the oim_blkld_accounts.sh script, and add the following lines, and save the script.

    ```
    $MW_HOME/wlserver/server/lib/wlfullclient.jar
    $MW_HOME/oracle_common/modules/javax.management.j2ee.jar
    ```

    b. Generate wlfullclient.jar if it is not available in the MW_HOME/server/lib/ directory, and grant execute (755) permisssions to the file.
2. Enter the *`MW_HOME`* directory or Press [Enter] to accept the default.
3. Enter the *`OIM_ORACLE_HOME`* directory or Press [Enter] to accept the default.
4. Enter the hostname on which OIG is running :

    It is mandatory that OIG is running on the same host.
5. Enter the port where OIG server is running :

    The default port is 14000.
6. Enter the path of *`OIM_HOME`*.
7. Enter the OIG system administrator user name.
8. Enter the OIG system administrator password.

## Steps to Map the Role and employeeType Attributes

If the bundle patch is applied after the OAM-OIG integration, then for the bug fix 31162758 to work, perform the following steps to map the `Role` attribute to the `employeeType` attribute:

1. Login to Oracle Identity Self Service.
2. Click the **Manage** tab, and then click the **Applications** box to open the Applications page.
3. Search for **SSOTrusted-for-SSOTargetApp** and open it.
4. Click the **Schema** tab.
5. Map `Role` to `employeeType`.
6. Save the changes.

If the bundle patch is applied to OIG before the integration with OAM, then the manual mapping of the attributes are not required.

## SSO Full User Reconciliation

For the bug fix 31605187 to work:

- If the bundle patch is applied after SSO integration, then the job parameter Incremental Recon Attribute value must be provided manually for the latest token value to get updated.
- If the bundle patch is applied before SSO integration, then manual steps are not required.

## Major Enhancements in Bundle 12.2.1.4.230408

The following are the major enhancements in Oracle Identity Governance 12.2.1.4.230408:

- To enhance the user experience, the UI option **Manage Notification Template** option is now available under the **Oracle Identity Self Service** which were earlier available under the **System Administration** section.
  For more information refer to Manage Notification Template.
- Admin users now have the capability to add, view or modify details for proxy users from the **User Details** page.

  For more information, see Managing Proxies.
- The option to disable the **Close As Risk Accepted** action is now available for any corresponding policy violation.

  For more information, see Creating Identity Audit Policies.

## Major Enhancements in Bundle Patch 12.2.1.4.221004

The following are the major enhancements in Oracle Identity Governance 12.2.1.4.221004:

- To enhance the user experience, the following UI options are now available under the **Oracle Identity Self Service** which were earlier available under the **System Administration** section.
  - Manage Scheduler
  - Manage System Properties

  For more information refer to Managing the Scheduler and Managing System Properties.

> **Note:**
>
> Refer to Scheduler and System Properties do not come up in the Integrated Environment.

- While configuring the Certification, you can now disable Accounts for the revoke action. For more information, see Configuring Certification Options

## Major Enhancements in Bundle Patch 12.2.1.4.220413

The following are the major enhancements in Oracle Identity Governance 12.2.1.4.220413:

- Active Directory (AD) now supports adding groups as a member of other groups. For more information, see Predefined Scheduled Tasks.
- The new **MEMBERSHIP TYPE** column introduced in this patch appears at the end of the table for upgraded environment. To reposition the column, use the re-order column option.

## Major Enhancements in Bundle Patch 12.2.1.4.211010

The following are the major enhancements in Oracle Identity Governance 12.2.1.4.211010:

- The Access Policy feature is enhanced to manage the evaluation of users in the **Disabled** status. See Evaluating Policies.
- The **Account Chooser** pop-up option is enhanced to display the **Account Type** along with the **Account Name** column while creating an Entitlement request. This helps users who access multiple accounts for the same application while requesting Entitlements.
- During certification to help reviewers for identifying the correct accounts, reviewers can use the Account Type option.
- The **Resource History** details of the Accounts section is enhanced to display the Entitlement Name and Request ID.
- **Manual Fulfillment** task, **Accounts** and **Entitlement** tabs under **User Access** UI are enhanced to display the Role Request ID.
- When users have entitlements provisioned outside of the Access Policies, a new option is provided which helps in keeping the account in the **Active** state. See Revoking or Disabling the Policy.
- The `updateRoleGrant` API of RoleManager is enhanced to start owner startDate and endDate attributes.
- The **Reconciliation Jobs** section of the Application Instance is enhanced with separate reconciliation jobs for defining and managing of the application instance during application on boarding. See Creating Application Instances.

- The Certification feature is enhanced to support mandatory certification comments on certify and non certify operations. The certification comments can also be mined from previous certifications and request justification. This helps the reviewer by providing better context about the access during certification. See About Pre-populate Certification Comments.

## Major Enhancements in Bundle Patch 12.2.1.4.210708

The following are the major enhancements in Oracle Identity Governance 12.2.1.4.210708:

- To improve the reset password performance in Active Directory (AD) integration, a new system property is available which needs to be set to **True** and the certificate from the AD target needs to be imported. See the following topics:
  - Default System Properties in Oracle Identity Governance
  - Improving Reset Password Performance on AD Integration

## Resolved Issues

The following section lists the issues resolved in Release 12.2.1.4.230708:

- Resolved Issues in OIM BUNDLE PATCH 12.2.1.4.230708
- Resolved Issues in OIM BUNDLE PATCH 12.2.1.4.230408
- Resolved Issues in OIM BUNDLE PATCH 12.2.1.4.221215
- Resolved Issues in OIM BUNDLE PATCH 12.2.1.4.221004
- Resolved Issues in OIM BUNDLE PATCH 12.2.1.4.220703
- Resolved Issues in OIM BUNDLE PATCH 12.2.1.4.220413
- Resolved Issues in OIM BUNDLE PATCH 12.2.1.4.220115
- Resolved Issues in OIM BUNDLE PATCH 12.2.1.4.211010
- Resolved Issues in OIM BUNDLE PATCH 12.2.1.4.210708
- Resolved Issues in OIM BUNDLE PATCH 12.2.1.4.210428
- Resolved Issues in OIM BUNDLE PATCH 12.2.1.4.210112
- Resolved Issues in OIM BUNDLE PATCH 12.2.1.4.201011
- Resolved Issues in OIM BUNDLE PATCH 12.2.1.4.200624
- Resolved Issues in OIM BUNDLE PATCH 12.2.1.4.200505
- Resolved Issues in OIM BUNDLE PATCH 12.2.1.4.200206

### Resolved Issues in OIM BUNDLE PATCH 12.2.1.4.230708

Applying this bundle patch resolves the issues described in Table 1-2.

Table 1-2    Resolved Issues in OIM BUNDLE PATCH 12.2.1.4.230708

| BUG | DESCRIPTION |
|---|---|
| 35363934 | OAM OIG INTEGRATION MOVING FROM SIMPLE MODE TO CERT |
| 33913444 | ORACLE DBUM FULL RECON UPDATE EVENTS FOR SYS SYSTEM |
| 34362937 | Fix for Bug 34362937 |
| 34988170 | ADMINISTRATIVE TASK SHOWS LAST PERSON UPDATING THE COMMENT FOR ALL COMMENTS |
| 34988622 | OIM JOB_RESULT TABLE CAUSES PERFORMANCE PROBLEMS IN NEW SCHEDULER UI |
| 35067357 | OIG12CPS4: SUNSET/SUNRISE FAILING FOR ACCOUNTS AND ENTITLEMENTS DUE DATA FORMAT |
| 35089634 | POLICY VIOLATION IS TAKING USER TYPE AS NULL EVEN THOUGH THERE A VALUE ASSIGNED |
| 35091907 | START DATE UPDATED TASK GOES TO REJECTED STATE FOR FUTURE DATED USERS |
| 35132725 | LINE ITEMS SHOW INCORRECT WHEN "ROW DISPLAYED" IS MODIFIED TO DEFAULT VALUE(10) |
| 35170888 | Fix for Bug 35170888 |
| 35172134 | IMPORT FAILS DUE TO UNWANTED TAG OPENING ANCHOR TAGS TASKCLASS CLASS ORACLE.IAM.SCHEDULER.VO.SCHEDULED TASK CLOSING ANCHOR TAGTASKCLASS |
| 35179150 | REMOVE ADDITIONAL CHILD DATA FROM MANUAL PROVISIONING REQUESTS |
| 35200244 | IMPORTING DDM XML FOR AN EXISTING ADMINROLE IGNORES CONTENTS OF SCOPEDORGLIST |
| 35219680 | ADDING DIAG LOGS AROUND OIM TCSERVERPROPERTIES AND DIRECTDB CONNECTION |
| 35317482 | Fix for Bug 35317482 |
| 35317518 | Fix for Bug 35317518 |
| 35317535 | Fix for Bug 35317535 |
| 35387946 | ORGANIZATION IS SET WRONGLY WHEN IMPORTING DDM XML FOR AN EXISTING ADMINROLE |

## Resolved Issues in OIM BUNDLE PATCH 12.2.1.4.230408

Applying this bundle patch resolves the issues described in Table 1-3.

**Table 1-3 Resolved Issues in OIM BUNDLE PATCH 12.2.1.4.230408**

| | |
|---|---|
| 25478776 | NEED CHECKBOX TO THE PASSWORD POLICY - 'DISALLOW WHITE SPACE' |
| 30181040 | AOB SSHPUBKEY PRIVATEKEY EXPECTED TYPE CLASS GUARDEDSTRING ACTUAL TYPE CLASS STRING |
| 30413184 | METADATA.MAR CORRUPTS MDS UPON RESTART |
| 32703922 | USERS SPECIFIED USING NOTIFICATIONEVENT SETCCEMAILIDS RECEIVE NO EMAIL |
| 32792706 | FIX PARTIALLY WORKING FOR BUG 30013863 ON 12CPS4 AP'21 BP |
| 33032487 | ATTEMPTING TO MIGRATE LOOKUP UDFS THROWS JAVA.LANG.NULLPOINTEREXCEPTION |
| 33043978 | WHEN SEARCHING, USER DETAILS FROM MANAGER/DIRECT REPORTS ARE SHOWN INCORRECT |
| 33200385 | PUMA: INCORRECT VIOLATION DATA ON ENTITLEMENTS THAT ARE REMEDIATED/RE-GRANTED |
| 33640314 | NORWEGIAN CHARACTERS IN LOOKUPS ARE NOT LOADED CORRECTLY |
| 34018046 | CERTIFICATIONS TAKING TOO LONG TO RUN, QUERYING ROLES NOT SELECTED |
| 34282250 | CREATE USER WORKFLOW IS NOT TRIGGERED WHILE CREATING USER USING SCIM API |
| 34310069 | TOO MANY PARSE ERRORS FROM SQL IN DB ALERT LOG |
| 34413082 | ADMIN USER NOT ABLE TO VIEW/EDIT / MODIFY THE DELEGATE/PROXY INFORMATION |
| 34477734 | ACCESS DETAILS AND ACTION HISTORY TABLE IN SOA VIOLATION TASK MISSING SOME INFO |
| 34477796 | ABILITY TO CONFIGURE RISK ACCEPTED BEHAVIOR OPTIONALLY |
| 34501158 | IAM-3056102 THE OPERATION ON ROLEUSER RELATION FAILED POST 12.2.1.4.220413 BP |
| 34570273 | OIG12C: PAGINATION / SCROLLING PROBLEM IN HIERARCHY TAB OF ROLE |

**Table 1-3 (Cont.) Resolved Issues in OIM BUNDLE PATCH 12.2.1.4.230408**

| | |
|---|---|
| 34650686 | APPLICATION INSTANCE POST DELETE PROCESSING JOB IS NOT DELETING APP INSTANCES |
| 34684420 | ACTION COLUMN NOT UPDATED IN THE MANUAL FULFILLMENT REQUEST FOR DISCONNECTED APP |
| 34688859 | ADMIN ROLE DENY ATTRIBUTE DOESN'T CONSIDER SCOPE OF CONTROL |
| 34702434 | ACCESSPOLICYSERVICE.CREATEACCESSPOLICY() API ALLOWS CREATION OF AP WITH NULL DES |
| 34721942 | MODIFY ACCOUNT MANUAL FULLFILMENT NOT WORKING FOR FLAT FILE CONNECTOR |
| 34739248 | OIM.DBDIAGNOSTICLEVELRECON=FINEST CAUSES CHILDLESS RESOURCE RECONS TO FAIL |
| 34748958 | SSO GROUP RECONCILIATION DOESN'T WORK IF MEBERS HAVE ' IN THE DN |
| 34779933 | #{PAGEFLOWSCOPE.REQUESTFORMCONTEXT.OPERATION} ALWAYS EVALUATES TO MODIFY |
| 34798654 | ACTIVE DIRECTORY GROUPS LOOKUP RECONCILIATION NOT WORKING WHEN ADDING SEARCH BASE AS CUSTOM PARAMETER |
| 34801749 | NPEX WHEN TRYING TO SAVE AN ACCESS POLICY |
| 34809482 | MODIFY ACCOUNT MANUAL FULLFILMENT SHOW INCONSISTENT DATA FOR ENTITLEMENTS |
| 34811588 | Fix for Bug 34811588 |
| 34813588 | UPDATE CHILD FORM TASK IS UNABLE TO RETRIEVE CHILD PRIMARY KEY FROM CHILD TABLE |
| 34828086 | ENTITLEMENTS DISPLAYED ONLY WITH QUERY BY EXAMPLE FOR SOME USERS |
| 34869328 | ADMINISTRATIVE TASK VIEW SHOWING USER ID WHO CREATED FU |
| 34881105 | INVALID LOGGING IN DELETEUSERACTIONHANDLER.DODELETEACTIONBULK |
| 34887505 | CHANGES TO CASCADED LOOKUPS DEFINED IN APP. FORMS ARE NOT SAVED TO MDS SOMETIMES |
| 34911148 | NULLPOINEREXCEPTION IN IDENTITY USERSEARCH WHEN LOOKING FOR REPORTEE/MANAGER_KEY |

**Table 1-3 (Cont.) Resolved Issues in OIM BUNDLE PATCH 12.2.1.4.230408**

| | |
|---|---|
| 34928350 | REST MULTIPLE ENTITLEMENT REVOCATION FAILS WITH UI ERROR INVALID CHARACTER |
| 34966911 | OIM R12.2.1.4.221004 - SCHEDULER - MULTI-SELECT FEATURE |
| 34971283 | INDEXOUTOFBOUNDSEXCEPTION THROWN FROM REQUESTCONTEXTRESOLVERIMPL GETBENEFICIARYENITITYKEY |
| 34971803 | CHANGE NEEDED IN BULKLOAD SCRIPT TO SUPPORT SSL CONFIGURATION |
| 34979424 | REST API TO UPDATE ROLE END DATE SUCH THAT IT CREATES A REQUEST TO USER MANAGER |
| 34986264 | CERTIFICATION IS NOT GENERATED FOR CUSTOM ACCESS REVIEWERS WITH SPECIAL CHARACTE |
| 34994816 | SCHDULER EXPORT HAS WRONG NAME FOR TASKNAME |
| 35027637 | ERROR MESSAGE NOT PROPER WHEN ATTEMPTED TO REMEDIATE ENTITLEMENT FOR WHICH ALREADY REVOKE REQUEST EXIST |
| 35032549 | Fix for Bug 35032549 |
| 35042479 | ERROR WHILE UPGRADING ODSEE/OUD/ LDAPV3 CONNECTOR UPGRADE 11.1.1.6.0 TO 12.2.1.3 |
| 35066195 | NEW OJET BASE NOTIFICATION UI |
| 35077243 | AFTER BUGFIX 34310069, NULLPOINTEREXCEPTION IN OIMDBROLEMEMBERSSEARCHRESPONSE |
| 35092033 | REMOVE WHITE SPACE CHARACTER SUPPORT FROM ALLOWED CHARS AND REQUIRED CHARS |
| 35092181 | AFTER 34946809 FIX THE IMPORT STILL NOT WORKING ALL THE TIME |
| 35141173 | AOB: THE REVOKE FOR DISCONNECTED APPINSTANCE IS NOT WORKING,IT IS NOT GENERATING MANUAL FULLFILLMENT TASK |

## Resolved Issues in OIM BUNDLE PATCH 12.2.1.4.221215

Applying this bundle patch resolves the issues described in Table 1-4.

**Table 1-4 Resolved Issues in OIM BUNDLE PATCH 12.2.1.4.221215**

| Bug Number | Description |
|---|---|
| 32306106 | 12C: SOME NEWLY INTRODUCED UI PAGES THROW ERROR IF FQDN IS NOT USED IN OIM URLS. |
| 33012531 | REMOVE MDS BACKUP FROM UPGRADE READINESS |
| 33397258 | PUMA: WITH PATCH 32739740 ONLY THE FIRST DIRECT REPORTEE WILL OPEN |
| 33830206 | OIM DATA PURGE JOB - DOESN'T DELETE UPA RECORDS |
| 34049064 | IAM-3050056:THE SPECIFIED VALUE {1} FOR ATTRIBUTE ... IS NOT ONE OF THE PREDEF |
| 34353519 | OIM CERTIFICATE DOWNLOAD FROM COMPLIANCE TAB |
| 34400138 | PROVISIONING COMPLETES ON DISABLED USER IN 12.2.1.4. |
| 34533542 | CHILD REQ REPORTS VIOLATION DESPITE OTHER REJECTED CHILD REQ IN IDA RULE |
| 34549257 | LOGS ARE FILLED WITH TOO MANY <ERROR> <ORACLE.IAM.APPLICATION.IMPL> MESSAGES |
| 34560252 | OIM12C PS4 ALLOWING APPINSTANCE HETEROGENOUS REQUEST FOR DISABLED USER |
| 34569844 | NPEX IN ACCESSPOLICYUTIL.EVALUATEPOLICIESFORUSER |
| 34599029 | OIM BULK LOAD UTILITY NOT WORKING |
| 34649115 | ONLY 301 ENTITLEMENTS GET EXPORTED TO EXCEL FILE AFTER APPLYING 34326544 FIX. |
| 34658420 | PROCESS PENDING ROLE GRANTS JOB FAILS FOR A DELETED USER |
| 34671135 | API ROLEMANAGERRESULT GETSUCCEEDEDRESULTS() GETFAILEDRESULTS() BROKEN |
| 34686736 | APHARVESTING DOES'NT HARVEST RECONCILED ENTITLEMENT IF ACCOUNT IS PROVISIONED AP |
| 34699238 | INDEX MISSING ON OSI.REQUEST_KEY |
| 34699795 | BULK LOAD ALLOWS ENTRY WITH LEADING/TRAILING SPACES IN ATTRIBUTE |
| 34727876 | INCORRECT LOG LEVEL - TRYING TO DELETE USER SESSION FOR OPERATION MODIFY |

**Table 1-4 (Cont.) Resolved Issues in OIM BUNDLE PATCH 12.2.1.4.221215**

| Bug Number | Description |
|---|---|
| 34766479 | PERFORMANCE ISSUE WHEN OPENING THE JOBS PAGE AND THERE ARE HUNDREDS OF THEM |
| 34810671 | PERFORMANCE ISSUE WHEN LOADING THE NEW SCHEDULER UI |
| 34846921 | FIX UPGRADE READINESS SCRIPT IN PS4 TO AVOID TAKING MDS BACKUP |
| 34854621 | REST ENTITLEMENT REVOCATION FAILS WITH NULLPOINTEREXCEPTION STARTING IN OIG 12.2.1.4.220703. |

> **Note:**
>
> For details on the known issue, see Revoke Multiple Entitlements Using Rest API .

## Resolved Issues in OIM BUNDLE PATCH 12.2.1.4.221004

Applying this bundle patch resolves the issues described in Table 1-5

**Table 1-5 Resolved Issues in OIM BUNDLE PATCH 12.2.1.4.221004**

| BUG | DESCRIPTION |
|---|---|
| 24322033 | AUTO REFRESH OIM PAGE ACROSS ALL UIS |
| 29894165 | PROXY API NOT WORKING FOR REHIRED USER |
| 30702571 | REQUEST SSOTARGET APP ROLE FORM ATTRIBUTE MAPPING |
| 31353266 | SSOTARGET RECON SITUATIONS & RESPONSE HAS INCORRECT MAPPING FOR NO MATCHES FOUND |

Table 1-5 (Cont.) Resolved Issues in OIM BUNDLE PATCH 12.2.1.4.221004

| BUG | DESCRIPTION |
|---|---|
| 31431709 | IN ACCESS POLICY IF WE ADD RESOURCE WITH ACCROUNT DISCRIMINATOR IN DENY, IT IS NOT ALLOWING TO CREATE ACCESSPOLICY |
| 32883804 | GRANT ENTITLEMENT API NOT WORKING AS PART OF TIMEBOUND ENTITLEMENT PROVISIONING |
| 33519449 | Fix for Bug 33519449 |
| 33522017 | CONFIGURELDAPCONNECTOR NEEDS TO BE RUN 3 TIMES TO CONFIGURE SSO |
| 33600552 | NO POLICY VIOLATION CREATED WHEN REQUESTING FOR A ROLE TO USER BELONGING TO AN ORGANIZATION |
| 33613649 | UI NOT FULLY TRANSLATED IN POLISH |
| 33741041 | OIG 12.2.1.4.210708 EMAIL NOTIFICATION CANNOT BE EDITED FROM GUI |
| 33747680 | BULKLOAD UTILITY (ACCOUNT LOAD) IS NOT WORKING FOR CONTAINERIZED OIG ENVIRONMENT |
| 33825625 | DIAG - OFFLINECONFIGMANAGER DOES NOT TRACK IT'S OUTPUT IN ANY LOG FILE |
| 33866184 | OIM CERTIF CLOSED LOOP REMEDIATION - SUPPORT DISABLING ACCOUNTS WHEN REVOKED |
| 33885210 | BULKLOAD DOES NOT SYNC OIM USERS TO THE CORRECT LDAP DN IN SSO |
| 33929285 | JAVA.LANG.INDEXOUTOFBOUNDSEXCEPTION: INDEX: 1, SIZE: 1 IN REQUESTDATASERVICEIMPL |
| 33939119 | CERTIFICATION RELEASE TASK BUTTON DISAPPEARS AFTER RE-LOGIN |
| 33976554 | ATTRIBUTE NOT PRESENT IN ENTITYDEFINITION OF USER :: DEPROVISIONING DATE |
| 33994385 | CERTIFICATION CAMPAIGN IS NOT SHOWING 100% WHEN ONE OF THE TASK IS RE-ASSIGNED |
| 34051711 | ENTITLEMENT CERTIFICATION LAST NAME SORT NOT WORKING |
| 34057045 | ADD / REMOVE ENTITLEMENT ACTION SCRIPT DO NOT PASS REQUIRED ATTRIBUTES |
| 34064672 | BULK LOAD: BULK LOAD IS THROWING ERROR WHILE RUNNING WITH WINDOWS SETUP |
| 34069171 | CAN'T DELETE "PASSWORD" FROM "SCHEMA" TAB |

Table 1-5    (Cont.) Resolved Issues in OIM BUNDLE PATCH 12.2.1.4.221004

| BUG | DESCRIPTION |
|---|---|
| 34092726 | CHANGE PASSWORD BY END USER DOES NOT CREATE EMAIL NOTIFICATION |
| 34096398 | IAM-2050243 IAM-3058111- MOVE USER TO ADMIN GROUP AND BACK DOES NOT WORK SUCCESSFULLY |
| 34120986 | SAVING CHILD INSTANCES MAKES NO CHANGES TO SCHEMA/GROOVY SCRIPT AFTER SPB |
| 34141708 | PURGECACHE, UPLOADJARS.SH, DELETEJARS.SH BROKEN IN 12.2.1.4.220413 |
| 34160281 | DISABLE USER REQUEST, DISABLE DELETED USER (DELETED TO ACTIVE) |
| 34176856 | BUCKLOAD ORG DATA HANGS |
| 34182519 | USERMANAGER.GETDETAILS API IS RETURNING DELETED USER IN OIM 12C |
| 34229665 | OIM DISABLING USER WITH DISABLED UNTIL START DATE STATUS GETTING ACTIVE STATUS |
| 34240720 | FUTURE REHIRES ARE GETTING ENABLED ON THE DAY RECON EVENT IS RECEIVED |
| 34246374 | MANAGERS NOT ABLE TO CERTIFY/ REVOKE THE CERTIFICATION REQUESTS IN CERTIFICATION DETAILS PAGE |
| 34267986 | POOR PERFORMANCE OF THE AUDIT ENGINE |
| 34284352 | BULK LOAD: ACCOUNT LOAD IS NOT CONSIDERING HTTP URL IN ENTER THE OIMURL OPTION, IT IS ONLY CONSIDERED T3 URL |
| 34287521 | NPE WHEN RESOURCE HISTORY IS EMPTY |
| 34294450 | TASK HISTORY DIFFERENCES AFTER UPGRADE |
| 34325459 | CERTIFICATION ENTITLEMENT REVOKE REQUEST SHOW WRONG REQUESTER. |
| 34326544 | FOR A GIVEN PROVISIONED USER, ONLY 28 ENTITLEMENTS ARE DISPLAYED IN THE IDENTITY CONSOLE |
| 34332846 | TRUSTED RECON: UNEXPECTED DISABLE TASK TRIGGERED |
| 34350516 | SSO ENV USER NOT CREATED IN OUD WHEN CREATED WITH USR_LOCKED = 1 USING REST API |
| 34357705 | CAN'T VIEW ORG VALUES. SQL ERROR. |

Table 1-5    (Cont.) Resolved Issues in OIM BUNDLE PATCH 12.2.1.4.221004

| BUG | DESCRIPTION |
|---|---|
| 34363691 | CHANGE TASK SHOULD NOT TRIGGER FOR REJECTED DISCONNECTED APPLICATION |
| 34372274 | OIGOAMINTEGRATION.SH - ADDMISSINGOBJECTCLASSES DOES NOT ADD MISSING OBJECTCLASSES FOR OID |
| 34400746 | OIM12C PS4 IS ALLOWING DUPLICATE REQUEST SUBMISSION FOR PROVISIONED ENTITLEMENTS |
| 34404091 | OIM ALLOWS ROLE WITH WHITESPACE ON THE END - CORRUPTS ROLES IN SSO |
| 34411390 | OIM BULK LOAD UTILITY FAILS ON WINDOWS FOR ACCOUNT LOAD SINCE OCT 2020 BP |
| 34450144 | DISABLED USER STATUS BECOMES ACTIVE AFTER SSO USER RECON |
| 34454245 | NEW OJET BASE SCHEDULER UI |
| 34454254 | NEW OJET BASE SYSTEM CONFIGURATION UI |
| 34469432 | OIM_SP_ANONYMIZE_DATA_WRAPPER SP SEARCHES FOR USR_LOGIN INSTEAD OF USR_KEY |
| 34483392 | TRACK REQUEST STATUS DROP DOWN IS NOT TRANSLATED FULLY |
| 34498058 | CERTIFICATION TESTS RELATED TO REASSIGN FAILING IN CORE SUITE |
| 34541613 | BULKLOAD COMPLETES WITHOUT LOGS WHEN THERE IS A LEADING WHITESPACE IN THE CSV |
| 34574897 | ACC: OATB - MULTIPLE ISSUES RELATED TO ENCHANCE AOG 3.1 ZOOM AND TEXT SPACING |
| 34577727 | ACC: KEYBOARD- NOT ABLE TO HIGHLIGHT TOP 4 BUTTONS THROUGH KEYBOARD TAB KEY |
| 34583233 | ACC: KEYBOARD- MULTIPLE ISSUES WHILE USING KEYBOARD FOR BROWSING SCHEDULER |
| 34583250 | ACC: KEYBOARD- NOT ABLE TO CHOOSE ANY DROPDOWN ACTION USING KEYBOARD ON EDIT/VIEW JOB PAGE - JOB DETAILS |
| 34594117 | ACC: JAWS - MULTIPLE ISSUE APPREAR WHILE TESTING WITH JAWS |
| 34619346 | DESIGN CONSOLE IN WINDOWS IS NOT LAUNCHING AFTER APPLYING OCT'22 PATCH (34577841) |

Table 1-5 (Cont.) Resolved Issues in OIM BUNDLE PATCH 12.2.1.4.221004

| BUG | DESCRIPTION |
|---|---|
| 34658707 | FIX NOT WORKING FOR BUG 33747680 WITH LATEST CONTAINER IMAGE |

## Resolved Issues in OIM BUNDLE PATCH 12.2.1.4.220703

Applying this bundle patch resolves the issues described in Table 1-6

Table 1-6 Resolved Issues in OIM BUNDLE PATCH 12.2.1.4.220703

| BUG NUMBER | DESCRIPTION |
|---|---|
| 31285681 | THE ERROR POPUP "THE PASSWORD CHANGE OPERATION FAILED WHILE VALIDATING OLD PASS |
| 32119840 | CREATE USER WORKFLOW IS NOT TRIGGERED WHILE CREATING USER USING REST/SCIM API |
| 32954733 | DISCONNECTED ACCOUNT NOT PROVISIONED INTERMITTENTLY AFTER EVALUATE USER POL JOB |
| 33216328 | PUMA: IDA RULES VIOLATED COLUMN BLANKS OUT IN FIREFOX OR SAFARI BROWSERS |
| 33247694 | SCIM GROUPS/.SEARCH TOTALRESULTS IS FALSE |
| 33445061 | DUPLICATE ROLES APPEARING FOR SOME USERS IN USERS->ROLES |
| 33451463 | PUMA: EMPTY CUSTOM UDFS MARKED AS STRING "NULL" AFTER EXPORT/IMPORT |
| 33461779 | IAM-2050243 RAISED WHEN MODIFY USER ATTRIBUTE TRIGGERS ROLE/RULE EVALUATION |
| 33504630 | AFTER PATCH 29167604, CACHING OF USR_KEY FIXED IN 12.2.1.3, BUT NOT 12.2.1.4 |
| 33533162 | OIM SERVER GOES TO WARNING STATE DUE TO HEAP SIZE GROWTH WHEN USER HAS MANY ADMIN ROLES |
| 33539764 | WHEN REQUEST IN INFORMATION REQUESTED STATE, REQUESTER CANNOT BE WITHDRAWN |

Table 1-6    (Cont.) Resolved Issues in OIM BUNDLE PATCH 12.2.1.4.220703

| BUG NUMBER | DESCRIPTION |
|---|---|
| 33541821 | OIGOAMINTEGRATION.SH - ADDMISSINGOBJECTCLASSES DOES NOT ADD MISSING OBJECTCLASSES<br>**Note:**<br>For more details, check Adding Missing ObjectClasses With OID for the workaround. |
| 33588973 | A TIME LIMITATION OF MAXIMUM 6 MONTHS SHOULD BE ADDED ON THE PERIOD OF DELEGATIO |
| 33656656 | GROOVY TRANSFORMATION CAUSES TWO PROCESS TASKS TO BE RUN - 1ST BAD 2ND OK |
| 33669502 | OIM DISABLE REQUESTS SHOWING REQUEST COMPLETED, EVEN AFTER TASK FAILED |
| 33790250 | ROLE MEMBERSHIP END DATE ERROR MISLEADING |
| 33889775 | CANNOT RE-CREATE ROLE IN OIG 12C SSO ENVIRONMENT |
| 33926014 | MISSING FOREIGN KEY INDEXES AFTER UPGRADE TO OIM 12.2.1.4.X |
| 33932731 | CHANGEACCOUNTPASSWORD() API IS NOT WORKING WITH RACF TARGET WITH SPL CHARS PWD |
| 33937973 | OIG- ROLE CERTIFICATION ASSIGNMENT WITH PROXY SCENARIO |
| 33945782 | ENABLE USER REQUEST, ENABLES DELETED USER (DELETED TO ACTIVE) |
| 33990557 | ISSUE WITH 12C PROXY BASED FUNCTIONALITY |
| 33997963 | BULK LOAD UTILITY FAILS WITH "ORA-00907: MISSING RIGHT PARENTHESIS" |

Table 1-6 (Cont.) Resolved Issues in OIM BUNDLE PATCH 12.2.1.4.220703

| BUG NUMBER | DESCRIPTION |
|---|---|
| 33998355 | DISC APP INSTANCE GOES TO PROVISIONED EVEN THOUGH NO LONGER IN AP |
| 34028543 | Fix for Bug 34028543 |
| 34030611 | POLICY VIOLATION REMEDIATE OPTION IS GIVING ERROR "ENTITLEMENT KEY NULL NOT EXIST FOR USER KEY 11. COMMENTS : TESTING" |
| 34035838 | WHEN USERID REUSE CREATELDAPACCOUNTPOSTPROCESSHANDLER SEARCHKEYNOTUNIQUEEX ERROR |
| 34049752 | UI ROUNDS OFF THE CERTIFICATION CAMPAIGN TO 100 % COMPLETION WHEN IT IS AT 99.5% |
| 34056111 | FAILED TO RUN RETRY FAILED ORCHESTRATIONS SCHEDULED JOB |
| 34089570 | AFTER BUGFIX 34035838 THE SSOTARGET ACCOUNT IS LINKED VIA ORC_KEY TO OLD USER |
| 34121706 | SLOWNESS WHEN SELECTED ADMIN ROLE IN ORAGANIZATION MEMBERS PAGE |
| 34130414 | NO REQUESTID IS PRESENT IN CREATE USER RESPONSE OF CREATEUSER REST API |
| 34150102 | ORCLOAGINTEGRATIONADMIN ADMIN ROLE IS NOT SCOPED TO ANY ORG BY DEFAULT |
| 34176248 | CERT_TASK_ACTION.ACTION_DATE IS NULL ON CERTIFICATION RE-ASSIGNMENT |
| 34181427 | NPE IS THROWN DURING THE EBS RECON JOB RUN |
| 34266397 | ENTITLEMENT DELETED DOES NOT MOVE ENTRY FROM ENT_LIST TO ENT_LIST_HIST |

## Resolved Issues in OIM BUNDLE PATCH 12.2.1.4.220413

Applying this bundle patch resolves the issues described in Table 1-7

Table 1-7 Resolved Issues in OIM BUNDLE PATCH 12.2.1.4.220413

| BUG NUMBER | DESCRIPTION |
|---|---|
| 25109611 | PASSWORD CHANGE REQUEST FOR XELSYSADM SHOULD BE SYNCED WITH CSF |

Table 1-7    (Cont.) Resolved Issues in OIM BUNDLE PATCH 12.2.1.4.220413

| BUG NUMBER | DESCRIPTION |
|---|---|
| 30546850 | AOB: ERROR THROWN WHILE TRYING TO AUTO DISCOVER WHILE EDITING THE APPLICATION |
| 30757118 | DIAG: PATCH_OIM_WLS OVER-WRITES LOG FILE OF PREVIOUS BPS / ATTEMPTS |
| 31005588 | EVALUATE USER POLICIES JOB DELETES ENT_ASSIGN TABLE RECORDS AND RECREATES THEM ON USER EVALUATION |
| 31159979 | LOCK/UNLOCK USER THROWS JAVA.LANG.NULLPOINTEREXCEPTION: UICOMPONENT IS NULL |
| 31873080 | OIM DBUM USER DELETE RECON REVOKED TARGET ACCOUNT WITH EXPIRED & LOCKED STATUS |
| 32539201 | UPDATE ACTION SCRIPT DO NOT PASS THE REQUIRED ATTRIBUTES |
| 32666165 | ADMIN ROLE ACCESS POLICY VIEWER ALLOWS USER TO START CHANGING |
| 32720089 | AOB:TARGET ATTRIBUTE NAME VALUES GIVEN IN SCHEMA MAPPINGS ARE NOT GETTING SAVED |
| 32986671 | SELF-SERVICE CONSOLE CRASHES WITH "AN UNRESOLVABLE ERROR HAS OCCURRED. PLEASE CONTACT YOUR ADMINISTRATOR FOR MORE INFORMATION." WHEN TOGGLING THE "CHANGE PASSWORD SECTION" |
| 33129060 | ACCESS POLICY SHOULD NOT HONOR THE DELETED ENTITLEMENTS MAPPED TO IT FOR ROLE BASED PROVISIONING |
| 33171832 | PUMA: IDENTITY AUDIT VIOLATION COMPLETED BY AN ADMIN DOES NOT RESULT IN COMPLETION |
| 33171971 | PUMA: TARGET ACCOUNT IS EMPTY IN REMEDIATION APPROVAL TASKS |
| 33275507 | ACCOUNT END DATE CAN BE SET HIGHER THEN THE USER END DATE |
| 33279653 | ISSUE WITH THE CREATE USER APPROVAL WORKFLOW-DUPLICATE REQUEST |
| 33284404 | UPDATED TASKS ARE FAILING AFTER APPLYING IDM SBP |
| 33351565 | FLATFILE ENT RECON DISPLAY NAMES WITH SPECIAL CHARACTERS INCORRECTLY LOADED |
| 33399996 | OIM CLONE CONNECTOR SHOULD REPLACE ALL OCCURRENCES OF OLD NAME |

Table 1-7 (Cont.) Resolved Issues in OIM BUNDLE PATCH 12.2.1.4.220413

| BUG NUMBER | DESCRIPTION |
|---|---|
| 33400563 | BENEFICIARYLOGINID AND REQUESTERLOGINID IS STILL NOT CONVERTED INTO POLISH LOCAL |
| 33412499 | ROLE SYNC MISSING WHEN LDAPSYNC IS REPLACED WITH CONNECTORS |
| 33449308 | NEED A SERVICE OR API THAT CAN VALIDATE ANSWER FOR USER/LOGIN QUESTIONS |
| 33472511 | UPG - XELSYSADM PASSWORD IN NOT IN SYNC WITH CSF KEYSTORE |
| 33487303 | ATPS: BULK LOAD UTILITY IS NOT WORKING WITH ATPS SETUP |
| 33494174 | VIEW ANALYTICS FOR ROLE CHANGES DOES NOT WORK IN POLISH LANGUAGE |
| 33495897 | RESOURCE HISTORY IS NOT DISPLAYED COMPLETELY AFTER PATCH 30119475 |
| 33505020 | PUMA: UI REMOVING RULE BASED ROLE MEMBERSHIPS UPON INITIATION OF DELAY DELETION |
| 33505355 | POST OCT SPB "OBPASSWORDCHANGE" FLAG NOT GETTING RESET BUG 33393102 CONTINUES... |
| 33536274 | Fix for Bug 33536274 |
| 33537410 | PUMA: MANAGER UNABLE TO VIEW COMPLETE/EXPIRED CERTS WHEN A PROXY IS ASSIGNED |
| 33584027 | USERS SHOWING UP TWICE IN LOG FILE IN PROXY RELATED ERROR MESSAGE |
| 33586166 | REQUEST.GETAPPROVALDATA() FAILS IN 12C, SAME CODE WORKS IN 11G |
| 33587015 | PATCH_OIM_WLS.SH SCRIPT HANG AFTER APPLIED THE IDM_SPB_12.2.1.4.211014 |
| 33625845 | DISABLE/DELETE SCHEDULED JOB NOW REMOVES ROLES FROM DISABLED USERS IN 12C |
| 33644344 | RECONCILED ENTITLEMENTS SHOULD BE HANDLED VIA ACCESS POLICY USING APH |
| 33652287 | PUMA: EXPORT/IMPORT OF ACCESS POLICIES DOES NOT MIGRATE CHECK BOX VALUE |
| 33652306 | PUMA: SYSTEM PROPERTIES IMPORT FROM ONE ENV TO THE OTHER IS NOT WORKING |
| 33653708 | FORM IS CORRUPTING AFTER AOB TEMPLATE/SCHEMA CHANGES |

Table 1-7 (Cont.) Resolved Issues in OIM BUNDLE PATCH 12.2.1.4.220413

| BUG NUMBER | DESCRIPTION |
|---|---|
| 33655238 | GETTING NO ENUM CONSTANT ERROR FOR ORGANIZATION TYPE AFTER APPLYING OIM BUNDLE PATCH 12.2.1.4.211010 |
| 33673956 | APP INSTANCE CERTIFICATION PERFORMANCE ISSUE |
| 33676752 | ER 32288237 REPLACED SSO PASSWORD HANDLER AND INTRODUCED PROB WITH EXPIRY DATE |
| 33684726 | USR_PWD_CREATION_DATE NULL CREATING NEW USER W/O PASSWORD |
| 33692276 | USER DETAIL SHOWS EMPTY IN USER CERTIFICATION WHILE MODIFYING [ROWS DISPLAYED] |
| 33694284 | WRONG WORDING ON CONFIRMATION DIALOG WHEN CLAIMING OPEN CERTIFICATIONS |
| 33697050 | NEW PROVISIONING API TO RETURN THE LIST OF USERS PROVISIONED WITH SPECIFIED APP INSTANCE |
| 33711997 | AOB: AUTHORITATIVE APP ATTRIBUTE NAME VALUES GIVEN IN SCHEMA MAPPINGS ARE NOT GE |
| 33735241 | Fix for Bug 33735241 |
| 33738824 | USERMANAGER.DELETE RETURNS USERMANAGERRESULT WITH NULL STATUS |
| 33745642 | RECON DATA PURGE IS COMPLETED WITH ERROR(S) ORA-06502 AT OIM_SP_RECON_ARCHPURGE |
| 33768054 | CHILD FORM IS CORRUPTING AFTER AOB TEMPLATE/SCHEMA CHANGES |
| 33780050 | INDIRECT ROLES NOT POPULATED IN OIMASSERTIONLOGINMODULE AND OIMAUTHLOGINMODULE |
| 33791086 | ROLE NOT ADDED TO TABLE PENDING_ROLE_GRANTS WHEN END DATE SET BY APPROVER |
| 33793732 | BROKEN HYPERLINK IN TRACK REQUESTS PAGE : FIREFOX |
| 33796313 | ORG SEARCH ERROR WHEN THERE IS A LARGE AMOUNT OF ORGS |
| 33862402 | NO OPTION TO SELECT THE DISPLAY NAME OF THE ROLE UNDER MANAGE --> USERS -->ROLES |
| 33909965 | REGRESSION OF BUG 33279653 |

Table 1-7 (Cont.) Resolved Issues in OIM BUNDLE PATCH 12.2.1.4.220413

| BUG NUMBER | DESCRIPTION |
|---|---|
| 33934140 | NOSUCHMETHODERROR ACCOUNTHANDLERUTIL.CREATEUSER IN SEEDOIMDATAINTARGETLDAPIMPL |
| 33946147 | OIG-CONFIG-UTILITY.SH IS NOT RUNNING IN APRIL BP, IT IS THROWING ERRORS WHILE RUNNING THE UTILITY |
| 33946292 | CLASSPATH.SH IN APRIL BP IS STILL REFERING THE OLD JAR REFERENCES |
| 33989996 | INTEROP: WHEN WE SET PASSWORD EXPIRY DATE TO BLANK AND TRY TO RESET THE PASSWORD IT IS STILL NOT WORKING IN PS4 + APRIL BP (33929963) |
| 34011734 | BENEFICIARYLOGINID AND REQUESTERLOGINID IS STILL NOT CONVERTED INTO POLISH LOCAL |
| 34035584 | DESIGN CONSOLE FORMS NOT OPENING IN LATEST BP |
| 34062173 | IN WINDOWS, DESIGN CONSOLE ADAPTER FACTORY FORM IS NOT OPENING IN LATEST BP, IN LOGS IT IS THROWING ERROR '.NOCLASSDEFFOUNDERROR |

## Resolved Issues in OIM BUNDLE PATCH 12.2.1.4.220115

Applying this bundle patch resolves the issues described in Table 1-8

Table 1-8 Resolved Issues in OIM BUNDLE PATCH 12.2.1.4.220115

| Bug | Bug Abstract |
|---|---|
| 30200580 | DIAG: ORACLE.IAM.APPLICATION.IMPL ERROR CONSUMES STACK ON TRANSFORMATION |
| 31155251 | REQUESTS GETS FAILED IN IDENTITY MANAGER |
| 31895248 | REGRESSION BUG 29750388 : SEARCH IN "REQUEST FOR OTHERS" IS NOT WORKING |
| 32331154 | NON REQUESTABLE ROLES DOESN'T APPEAR IN THE USER CERTIFICATION |
| 32390472 | OIG PRE-UPGRADE REPORTS INCORRECTLY IDENTIFIES 19C DB AS UNSUPPORTED VERSION FOR OIM 11GR2PS3 WHILE UPGRADING TO 12C |

Table 1-8    (Cont.) Resolved Issues in OIM BUNDLE PATCH 12.2.1.4.220115

| Bug | Bug Abstract |
|---|---|
| 32492120 | PROVISIONING TASKS - OPEN TASKS - EDIT FORM RENDERS DATES INCORRECTLY USING 2 DIGIT YY |
| 32540331 | SEARCH BUTTON NOT EASILY VISIBLE IN THE SYSADMIN LOOKUP UI |
| 32760053 | OIM DN GENERATION LOGIC FAILS TO GENERATE DN USING ESCAPE CHARS |
| 33060231 | BULK REVOKE ENTITLEMENTS REQUEST SHOWS JBO ERRORS, INCORRECT ACCOUNTS |
| 33066536 | OIM TRUSTERD DELETE RECON UNEXPECTED TO DELETE OIM USERS |
| 33086686 | EXTEND FIX OF BUG 31038511 TO ALL TYPE OF CERITIFICATIONS - SEE EH 27284033 |
| 33113521 | PROXY USER WRONG MESSAGE |
| 33171625 | CHALLENGE QUESTIONS GIVES ERROR WHEN USER DEFINED IS SELECETD IN PASSWORD POLICY |
| 33190066 | 12.2.1.4.0 OIM: ATPSCERT: ATP S: RCU PRE-REQ FAIL FOR OIM SCHEMA WITH ATP S DB |
| 33246155 | PUMA: PREVENTATIVE SCAN NOT WORKING WHEN A ROLE IS ALREADY REQUESTED |
| 33319198 | DELETED USER ACCOUNT CLEAN UP JOB DOESN'T WORK IF DUPLICATE ACCOUNTS EXISTS |
| 33350167 | ANYTIME A WORKFLOW IS ACCESSED IN THE OIG UI WE GET SERIALIZABLE ERRORS |
| 33379590 | CLASSCASTEXCEPTION: INTEGER TO STRING WITH INTEGER UDF WITH IN MEMBERSHIP RULE |
| 33404573 | 12.2.1.4.0 OIM:FMWATPS ATPSCERT HOT: Pop-ups seen in RCU log-Error creating PL/SQL Object's: OIM_SP_MANAGEENTITLEMENT,OIU_UPDATE |
| 33407956 | Fix for Bug 33407956 |
| 33417218 | OIG 12CPS4 OCT BP , ROLLBACK REAPPLY IS CHANGING THE STATUS OF CERTIFICATION TO STALE |
| 33419121 | MODIFY ADF CACHE SIZE CONFIGURATION FOR TABS |

**Table 1-8 (Cont.) Resolved Issues in OIM BUNDLE PATCH 12.2.1.4.220115**

| Bug | Bug Abstract |
|---|---|
| 33428494 | UPDATES TO USER (USR) NOT PROPAGATED TO ACCOUNTS IN 'PROVISIONING' STATUS |
| 33440181 | JOB DELETED USER ACCOUNT CLEAN UP JOB FAILS IF ANY UD TABLE CONTAINES ONLY PK AND FK COLUMNS |
| 33449049 | USER CREATION FAILS IN OIM AD SETUP WITH PATCH 33429084 |
| 33452123 | USER ROLE GOT REVOKED, FOR A VALID 'USER MEMBERSHIP RULE' |
| 33462000 | JPS-CONFIG.XML CONTAINS LEFT OVER OAM 11G INFO CAUSING ISSUES WITH 12C |
| 33465669 | NPE ERROR WHILE STARTING OIM AFTER UA IF ORACLE_HOME IS INVALID |
| 33471784 | BOOTSTRAP PROCESS FAILS DURING DEPLOYSOACOMPOSITES DUE TO CONNECTION NOT AVAILABLE |
| 33474286 | VALIDATION OF OPSS VERSION NEEDED IN PRE-UPGRADE REPORT |
| 33629042 | USER CERTIFICATION CREATION WITH OPTION "RETAIN EXPIRY DATE" GIVES NULLPOINTEREXCEPTION IN SCHEDULED JOB |

## Resolved Issues in OIM BUNDLE PATCH 12.2.1.4.211010

Applying this bundle patch resolves the issues described in Resolved Issues in OIM BUNDLE PATCH 12.2.1.4.211010

**Table 1-9 Resolved Issues in OIM BUNDLE PATCH 12.2.1.4.211010**

| Bug Number | Description |
|---|---|
| 22780597 | UPDATEROLEGRANT DOES NOT HANDLE THE STARTDATE / ENDDATE ATTRIBUTES |
| 27432438 | ALL THE FIELD LENGTHS IN THE USR TABLE SHOULD MATCH WITH THE CERT_USER TABLE |
| 28078904 | PREVENT APPLICATION INSTANCES REVOKE WHEN ENTITLEMENTS OUTSIDE ROLE EXIST |
| 28545612 | ENT_ASSIGN_HIST DOESN'T SAY HOW THE USER ACCESS IS PROVISIONED |
| 28882181 | ARM_AUD TABLE NOT UPDATED DURING ADMIN ROLE ASSIGNMENT |

Table 1-9    (Cont.) Resolved Issues in OIM BUNDLE PATCH 12.2.1.4.211010

| Bug Number | Description |
|---|---|
| 29167604 | SERVER CACHING AUTH BETWEEN SELFREGISTRATION AND CREATE USERS REST CALLS |
| 29950705 | ALL ACCESS POLICY ENTITLEMENT REQUEST SHOULD HAVE REQUESTER DETAILS SIMILAR TO OTHER REQUESTS |
| 30043034 | OIM USER FORM DATE UDF ATTRIBUTE NOT FUNCTIONING PROPERLY IN SSO ENV |
| 31038511 | CERTIFICATION REASSIGNED OR DELEGATED RESETS TIME SEE EH 27284033 |
| 31140352 | ADD FEATURE FOR ARCHIVING AND PARTITIONING ENT_ASSIGN_HIST TABLE |
| 31464255 | SOD VALIDATION AGAINST ENTITLEMENTS WHICH ARE REQUESTED |
| 31771784 | IDENTITY AUDIT RULE DESCRIPTION IS LIMITED TO 256 CHARS |
| 31784882 | CUSTOM TASKFLOW MESSAGE OVERWRITTEN BY DEFAULT MESSAGE |
| 31786287 | BULK OPS IS MASKING PASSWORD CHANGE SEE BUG 31687980) |
| 31934316 | MANDATORY CERTIFICATION COMMENTS FOR ALL CERT LINE ITEMS |
| 31940390 | PUMA: ENTS ASSIGNED OUTSIDE OF ACCESS POL ARE LEFT STRANDED AFTER ROLE REMOVAL |
| 31995394 | OIM 12C PS3 EXPORT/IMPORT TOOL NOT WORKING PROPERLY |
| 32258285 | PROVISIONING OPEN TASKS SEARCH DOES NOT GET THE TASK STATUS TRANSLATED TO POLISH |
| 32305321 | CLARIFICATIONS ON USAGE OF THE LOCAL TEMPLATE ADD ATTACHMENT API. |
| 32324514 | INTERFACE PROVISIONINGSERVICE.GETACCOUNTSPROVISIONEDTOUSER THROWS NPE |
| 32379310 | CERT EVENT LISTENER TRIGGERED FOR CERTIFIED USERS EVEN WHEN NO CHANGES ARE MADE WHEN CERT OPTION PREVENT SELF CERTIFICATION ENABLED |
| 32416424 | PUMA: DISPLAY ACCOUNT TYPE IN OIM ACCOUNT CHOOSER POPUP |
| 32488483 | SERVICE ACCOUNT CHECKBOX IS NOT CHECKED WHEN REQUEST MADE VIA REST API |

Table 1-9 (Cont.) Resolved Issues in OIM BUNDLE PATCH 12.2.1.4.211010

| Bug Number | Description |
|---|---|
| 32523570 | ACTION COMMENTS DUPLICATED FOR REJECT,ESCALATE OPERATIONS DURING APPROVALS THROUGH REST API |
| 32542298 | SSOTRUSTED-FOR-SSOTARGET ORGANIZATION NAME RECON FIELD SCHEMA PROPERTY ENABLE / DISABLE NOT HONORED |
| 32545659 | BUG 30516224 CONTINUED -- NEED SUPPORT FOR PERIOD CHARACTER |
| 32567175 | REVIEWER "SEARCH FOR A ROLE" NOT WORK |
| 32586438 | PROCESS TRIGGER NOT FIRING FOR END DATE |
| 32619046 | AOB DBAT CONNECTOR LOCKING THE TARGET SYSTEM USER ACCOUNT |
| 32644878 | HOW TO CONFIGURE OHS FOR CERTAIN LOCATIONS NOT DOCUMENTED IN THE HA GUIDE? |
| 32670128 | ADDING ADDITIONAL ENTITLEMENTS TO AP DOESN'T RE-EVALUATE AND ADD TO USER |
| 32682939 | PUMA: MANAGER WITH ACTIVE PROXY DOES NOT GET ACTIONABLE EMAIL ABOUT APPROVAL ASSIGNMENT |
| 32683903 | DIAGNOSIBILITY : NOT ABLE TO EDIT IT RESOURCE |
| 32710101 | ISSUE AUDIT MESSAGE TASK DOES NOT PROCESS AUDIT DATA FOR FEW USERS |
| 32710741 | SSOTRUSTEDFORSSOTARGET RECON EVENT FAILS WITH INVALID MANAGERLOGIN ERROR |
| 32716632 | UNABLE TO CHANGE THE LOOKUP NAME FOR A CLONED CONNECTOR |
| 32717850 | DISABLED USERS SHOULD NOT BE EVALUATED BY ACCESS POLICY |
| 32726134 | DIAG:CERTIFICATIONCOMPLETIONUPDATE RUNNABLE.RUN PRINTS "NULL" INSTEAD OF ERROR |
| 32739740 | CANNOT SORT OPERATIONS IN WORKFLOW AFTER APPLYING PATCH 31797847 |
| 32747711 | OAM / OIM AD MODIFIED USER IS RECONCILED LIKE {BASE=DISPLAYNAME} |
| 32764420 | NEED WORKING EXAMPLE OF SCHEDULERSERVICE.CREATESCHEDULE DTASK(ST) |

Table 1-9 (Cont.) Resolved Issues in OIM BUNDLE PATCH 12.2.1.4.211010

| Bug Number | Description |
|---|---|
| 32769357 | POST PROCESS CODE IS NOT GETTING INVOKED WHEN USER UNLOCK IS DONE ON UI. |
| 32827236 | SCREEN PACKAGE THAT IS REQUIRED FOR OIM-OAM INTEGRATION IS DEPRECATED IN RHEL8 |
| 32830574 | SCRIPT UPDATE_OIM_AUTHENTICATE_PROVIDER FAILS IF THE DOMAINS FOLDER NOT PRESENT |
| 32843595 | ORGANIZATION TYPE/STATUS IN MANAGE - APPLICATION AREA PAGES NOT TRANSLATED TO BROWSER LOCAL |
| 32880383 | SUNSET JOB UNABLE TO REMOVE ACCESS IF THE ENTITLEMENT REQUEST IS APPROVED AFTER |
| 32902773 | IAM-2050243 FAILED WHILE DISABLING USER WHEN WORKFLOWS ENABLED IS FALSE AFTER BP |
| 32903652 | UNINSTALLCONNECTOR DELETE ONE RESOURCEOBJECT RESULT IN ALL ITRESOURCE OF SAME CONNECTOR TYPE REMOVED |
| 32939218 | NULL DATES ARE STORED AS 01-JAN-1970 (JAVA EPOCH) IN AUDIT TABLES |
| 32977106 | PASSWORD VALIDATION FAILS IF IT HAS LEADING/TRAILING SPACES UNDER MY INFO PAGE |
| 32998646 | USERMANAGER.DELETE(USER_LOGIN,TRUE) FAILS WITH INVALID NUMBER ERROR |
| 33000675 | DIAG: NEED DIAGNOSTIC PATCH IN ACCESSPOLICYSERVICEIMPL.UPDATEACCESSPOLICY/PROCESSWITHOUTRESULT |
| 33005552 | NPE IN DELAYED DELETE USER WITH JOB HISTORY JOB USERAUDITHANDLER |
| 33018171 | ISSUE WITH ORGANIZATION BULK LOAD WHEN SPECIAL CHARACTER / ARE PRESENT |
| 33066442 | DELEGATED CERTIFICATIONS NOT FILLING IN CERT_TASK_ACTION.ACTION_DATE |
| 33069593 | FORGOT PASSWORD RESET FAILS WITH VAGUE GUI ERROR MESSAGES |
| 33069995 | "COMMON NAME" NOT POPULATED DURING NON-SSO TRUSTED RECON IN 12CPS4 SSO ENV |
| 33088894 | REQUEST JUSTIFICATION FIELD NEEDS TO BE IN LOCAL LANGUAGE |

Table 1-9 (Cont.) Resolved Issues in OIM BUNDLE PATCH 12.2.1.4.211010

| Bug Number | Description |
|---|---|
| 33091106 | ERROR ON "OFFLINE DATA PURGE FRAMEWORK" UTILITY IN OIG 12CPS4 |
| 33097801 | REST API FAILS TO COMPLETE CERTIFICATION WITHOUT PASSWORD IN PS4 |
| 33102762 | AOB: FLAT FILE TARGET RECON JOB NOT WORKING CORRECTLY WITH INSTANCE APP |
| 33103959 | DUPLICATE TASK DEFINITION IN TASK.XML AFTER UPGRADE FROM 12.2.1.3 TO 12.2.1.4 |
| 33112078 | EMAIL NOTIFICATION ATTACHED TO ASSIGNMENT TAB OF PROCESS TASK IS NOT TRIGGERING |
| 33119876 | NEED TO SHOW APPLICATION INSTANCE DISPLAY NAME IN THE ERROR MESSAGE SHOWN IN UI (AS PER BUG 30952309) |
| 33120542 | PREUPGRADEUTILITY IS FAILING WITH COMPATABLE_PARAMETER_CHECK ERROR |
| 33129135 | PROMPTING FOR PASSWORD UPDATE WHILE UPDATING THE BASIC INFO IN MY INFO TAB |
| 33137945 | TESTCASE FAILURES IN ACCESS POLICY MODULE AFTER THE FIX 31995394 |
| 33150481 | IN AN SSO INTEG OIM-OAM ENV, UPDATING THE USR_COMMON_NAME NULLS USR_LDAP_GUID |
| 33160341 | DOES NOT BEGIN WITH OPERATOR IN AUDIT RULE DOES NOT WORK FOR BLANK VALUES |
| 33165095 | ORGANIZATION SEARCH ERROR IN OIM 12.2.1.4.210428 |
| 33165837 | SUBMIT REQUESTS REST API IS ALWAYS SUBMITTING THE REQUEST FOR ASSIGN ROLE ONLY |
| 33174111 | UNABLE TO CLOSE RECON EVENTS AFTER RUNNING OFFLINE DATA PURGE JOB USING API |
| 33182890 | ORCHESTRATION OFFLINE PURGE FOR RETENTION PERIOD 365 DAYS IS NOT WORKING |
| 33214891 | USER CREATION FAILS IN OIM 12C WHEN REQUESTENTITY API IS USED |
| 33225499 | DISABLED USERS WITH PAST END DATE NOT GETTING USR_AUTOMATICALLY_DELETE_ON SET |

Table 1-9 (Cont.) Resolved Issues in OIM BUNDLE PATCH 12.2.1.4.211010

| Bug Number | Description |
|---|---|
| 33243897 | AOB: SETTINGS TAB NOT DISPLAYING RECON JOBS WHILE CREATING INSTANCE APPLICATION OF AUTH APP OR EDITING AUTH APP OR ITS INSTANCE APP |
| 33255209 | SOA WORKFLOW IS ACCESSED WHEN WORKFLOWS ENABLED IS FALSE UNDER PATCH 32902773 |
| 33275455 | OIM DELETE USER OPTION IS FAILING AFTER BP 210708 WITH WORKFLOW ENABLE = FALSE |
| 33276969 | POST UPGRADE 12CPS4 OIM SERVERS GOING TO WARNING STATE AND AUTO-HEALED |
| 33279285 | THE OIG.BENEFICIARYMANAGERAPPROVALWORKFLOWS SYSTEM PROPERTY IS MISSING IN LATEST SHIPHOME |
| 33292833 | REST: THE OPERATION PARAMTER MUST BE OPTIONAL IN THE ROLE REQUEST |
| 33305314 | CUSTOM EMAIL NOTIFICATIONS GET NO PARAMETER WHEN TEMPLATE TYPE SET TO TEXT/PLAIN |
| 33321617 | UNABLE TO CREATE ROLE WHEN ENFORCESINGLEACCOUNTPERAPPLICATIONREQUEST IS SET TO TRUE |
| 33404123 | SYSTEM PROPERTY WORKFLOW ENABLE = FALSE IS PARTIALLY CASE SENSITIVE |

## Resolved Issues in OIM BUNDLE PATCH 12.2.1.4.210708

Applying this bundle patch resolves the issues described in Table 1-10.

Table 1-10 Resolved Issues in OIM BUNDLE PATCH 12.2.1.4.210708

| Bug Number | Description |
|---|---|
| 28433832 | PROCESS TASKS ARE NOT TRIGGERED WHEN THERE ARE DUPLICATE ENTRIES IN LOOKUP |
| 30516224 | IDENTITY AUDIT RULES CONTAINING SPECIAL CHARS DO NOT RAISE POL. VIOLATION |
| 30641393 | REST USER SEARCH ON DATE ATTRIBUTE DOES NOT FILTER ON TIMEZONE |

**Table 1-10 (Cont.) Resolved Issues in OIM BUNDLE PATCH 12.2.1.4.210708**

| Bug Number | Description |
|---|---|
| 30952309 | ENTITLEMENT REQUEST STUCK IN REQUEST AWAITING DEPENDENT REQUEST COMPLETION |
| 31724255 | Fix for Bug 31724255 |
| 31781952 | OIM_SP_CERT_ARCHPURGE STORED PROCEDURE INCORRECTLY ARCHIVING CERTS_USER ROW |
| 32043090 | CATALOG REQUEST PROFILES NOT DISPLAYING VALUES DURING CATALOG REQUEST |
| 32288237 | PERFORMANCE ISSUE WITH PASSWORD RESET IN SSO ENVIRONMENT (12C)<br>**Note:**<br>For details, see Improving Reset Password Performance on AD Integration. |
| 32306365 | PUMA: ROLES ARE REMOVED WHEN USERS ARE SOFT DELETED USING DELAY DELETE |
| 32408854 | PUMA: TEST CONNECTION FAILS FOR DBUM INSTANCE |
| 32461462 | OIM API NOT EXPOSING METHOD TO DECRYPT ENCRYPTED UDF |
| 32635254 | OIM CN GENERATION LOGIC FAILS TO GENERATE UNIQUE CN USING SPECIAL CHARS |
| 32680717 | PUMA: LDAP USER SEARCH DELETE RECON BEHAVE DIFFERENTLY THAN USER |
| 32704620 | REVOKING ROLE VIA CERTIFICATION PROCESS IS NOT GENERATING REQUEST TO REMOVE ROLE |
| 32705847 | ATTRIBUTE VALUES IS NOT VISIBLE IN PENDING VIOLATION TASK VIEW |

**Table 1-10 (Cont.) Resolved Issues in OIM BUNDLE PATCH 12.2.1.4.210708**

| Bug Number | Description |
|---|---|
| 32739454 | PRE-UPGRADE REPORTS CONTAINS UNWANTED OIM12CPS3 BP02 INFORMATION |
| 32742292 | ONEHOP IS THROWING NPE WHILE UPGRADING ORACLE IDENTITY MANAGER SCHEMAS USING THE UPGRADE ASSISTANT STEP |
| 32763040 | OUTOFMEMORY EXCEPTION WHILE ADDING MEMBERS TO ADMIN ROLE |
| 32806846 | MULTIPLE MANUAL REVOKE ENTITLEMENT TASKS GENERATED FOR ACCESS POLICY DISABLE |
| 32881765 | RESOURCE HISTORY NOT LOADING WITH LOAD BALANCER URL IN OIG 12CPS4 CLUSTER ENV |
| 32984575 | UNABLE TO CREATE THE APPLICATION INSTANCE FOR DBUM CONNECTOR |

## Resolved Issues in OIM BUNDLE PATCH 12.2.1.4.210428

Applying this bundle patch resolves the issues described in Table 1-11.

**Table 1-11 Resolved Issues in OIM BUNDLE PATCH 12.2.1.4.210428**

| Bug Number | Description |
|---|---|
| 16755363 | IDMUPG:PS5-PS6:OIM UPGRADE SCRIPT THROWS NPE AFTER APPLYING PATCH 16609934 |
| 25386874 | ER: NEED CONSISTENCY IN INTEGRATED OIM AND OAM FOR LANGUAGE PREFERENCE |
| 28819255 | CREATION OF THOUSANDS OF UNEXPLAINED UPDATE TASKS |
| 29973037 | OIM 11.1.2.3.X AUDIT - UPA TABLE IS NOT RECORDING DELTA INFORMATION PROPERLY |
| 30013863 | CAN'T CHANGE/UPDATE ATTRIBUTES ON AOB SCHEMA |
| 30054791 | ADMIN ROLE ACCESS POLICY VIEWER ALLOWS USER TO START CHANGING |
| 30107277 | CONNECTOR UNINSTALLATION FROM AOB DELETES ADAPTERS AS WELL. |
| 30110645 | AOB: REMOVAL OF A CHILD FORM REMOVES TASKS FROM OTHER APPLICATIONS |

Table 1-11 (Cont.) Resolved Issues in OIM BUNDLE PATCH 12.2.1.4.210428

| Bug Number | Description |
|---|---|
| 30141533 | CREATE ADMIN ROLE ERROR |
| 30155470 | OIG 12.2.1.3.190624 REST API REQUESTS RETURNING ERROR WITH CUSTOM COMPOSITE |
| 30201821 | [ROLECERT]: PROXY USER SHOULD BE CERTIFIED BY THE CERTIFIER'S MANAGER |
| 30265046 | OIG SUBMIT BUTTON OF IDENTITY FIRST LOGIN PAGE SHOULD BE THE LAST READING ORDER |
| 30272992 | FEW REQUESTS MOVED TO FAILED STATUS WITH AUTO APPROVAL WORKFLOW |
| 30465556 | CERTIFICATION FAILS IF CATEGORY_COUNT_OPTION IS TO 1 OR 0 |
| 30581388 | ADVANCED SEARCH WITH CHECKBOXES LEADS TO ERROR: JAVA.LANG.BOOLEAN CANNOT BE CAST |
| 30586440 | NPE ERRORS WHILE CREATE ADMIN ROLE ERROR |
| 30628628 | PROCESS PENDING ROLE GRANTS WHEN ROLE IS DELETED |
| 30674852 | ROLE CERTIFICATION FAILS USING ACCESS POLICY WITH MULTIPLE APPLICATION INSTANCES WITH THE SAME ENDPOINT |
| 30719311 | PASSWORD POLICY RULE "MINIMUM PASSWORD AGE (DAYS)" IS NOT HIGHLIGHTED |
| 30773475 | OIM ORGANIZATION GETTING DISABLED INTERMITTENTLY IN PRODUCTION . |
| 30844901 | PRE-POPULATING ATTRIBUTES NOT WORKING FOR USERS IMPORTED VIA BULK LOAD UTILITY |
| 30901352 | SCIM DOES NOT RETURN CORRECT USERS WHEN USING ENDPOINT /IAM/GOVERNANCE/SCIM/V1/U |
| 30908422 | ROLE CATEGORY CONSIDERED DUPLICATE IN UI |
| 31060268 | OIG12C: ALLOWS YOU TO UPDATE AN EXISTING AP AND ADD 2ND APP FOR SAME RO |
| 31342188 | USER IS NOT CREATING IN LDAP POST SOA APPROVAL |
| 31353225 | FILTER IN SSO FULL AND INCREMENTAL RECON JOB DOES NOT WORK. |

**Table 1-11 (Cont.) Resolved Issues in OIM BUNDLE PATCH 12.2.1.4.210428**

| Bug Number | Description |
|---|---|
| 31397729 | DIAG:QUARTZTRIGGERLISTENER.TRIGGERMISFIRED DOES NOT DISPLAY TRIGGER NAME |
| 31467891 | ACCESS POLICY EVALUATION INITIATES PROCESS TASKS FOR NULL CHECKBOX VALUES |
| 31525878 | OIM 12C SSO USER TARGET RECON OVERWRITING "ORGANIZATION NAME" VALUE WITH "XELLERATE USERS" DEFAULT VALUE |
| 31576436 | EVENTFAILEDEXCEPTION AND REQUESTSERVICEEXCEPTION IS SEEN IN THE LOG AFTER THE REQUEST STATUS TASK IS EXPIRED |
| 31592160 | TRACK: OIM DATA PURGE JOB FAILS WHILE PURGING THE RECON DATA FROM RA TABLES |
| 31626677 | OIMDBPLUGIN NOT INTERPRETING ESCAPED PARENTHESIS IN GROUP NAMES IN LDAP QUERY CORRECTLY |
| 31634715 | OIM 12.2.1.4.0:OIG RCU SQL MODIFICATIONS REQUIRED TO SUPPORT OIG DB ON ATP-D AND ATP-S |
| 31656655 | MISSING REQESTER ID LEADS TO REQUEST FAIL |
| 31637673 | VIEW FORM OR EDIT FORM IS BLANK FROM OPEN TASKS PAGE |
| 31683884 | "FOR REPORTEES" OPTION IS NOT TRANSALATED TO BROSWER LANAGUGE |
| 31732078 | IAM-3054101 : THE LOGGED-IN USER DOES NOT HAVE VIEWSEARCHENTITY PERMISSION |
| 31748217 | ADF: ACCESS POLICY APPLICATION FORM FORCING TO ENTER AS FIRST VALUE THE FIELD MARKED AS ACCOUNT DISCRIMINATOR BEFORE ANY LOOKUP |
| 31765258 | UPDATING CERTIFICATION LINE ITEM USING REST RETURN HTTP ERROR 500 "GETSINGLERESULT() DID NOT RETRIEVE ANY ENTITIES." |
| 31786528 | POST PROCESS ENVENT HANDLER NOT TRIGGERING ADD ROLE TO USER TASK ON SSO TARGET |
| 31821244 | ADDING ENTITLEMENT TO ACCESS POLICY AND EVALUATING TRIGGERS UPDATE TO PROC FORM. |

**Table 1-11 (Cont.) Resolved Issues in OIM BUNDLE PATCH 12.2.1.4.210428**

| Bug Number | Description |
|---|---|
| 31828240 | PASSWORD CHANGED ON AD IS NOT PROPOGATING TO OTHER TARGET USING AD PWD SYNC |
| 31838518 | AUTOMATICALLY UNLOCK USER SCHEDULE JOB RESETS OBLOGINTRYCOUNT BUT NOT OBLOCKEDON |
| 31883989 | ADD SUPPORT FOR ONE-HOP UPGRADE FROM 11GR2PS3 TO 12CPS4 |
| 31903352 | OIM HANDLING OF DISABLED USERS IN WORKFLOWS |
| 31916340 | LDAPCONTAINERRULES.XML NOT HONORING CREATE AND MODIFY OPERATIONS MOVING USER BACK TO DEFAULT OU |
| 31922997 | PUMA:UNABLE TO PROVISION/REVOKE ENTITLEMENT FROM FLAT FILE DISCONNECTED APP |
| 31928115 | SSO INCREMENTAL RECON CAUSES OBPASSWORDEXPIRYDATE TO DECREASE BY ONE DAY |
| 31936434 | HTTP 403 WHEN EDITING AN IT RESOURCE OR INSTALL A CONNECTOR |
| 31941035 | EXCEPTIONS ARE LOGGED DURING EXECUTION OF SCRIPT OIMBULKLOAD FOR AOB |
| 31944823 | CREATE INSTANCE FROM ACTION MENU FOR FLAT FILLE CONNECTOR CREATES APP WITH APP_INSTANCE_IS_SOFT_DELETE SET TO 1 |
| 31984036 | CANNOT DISABLE OBJECT INSTANCE AS IT IS ALREADY DISABLED |
| 31988157 | REJECTED TASK ASSIGNED DATE CHANGES IF TASK IS ASSIGNED TO USER OR GROUP |
| 31988511 | REQUEST ID AFTER BEING APPROVED IS CREATED AGAIN UNDER PENDING APPROVAL |
| 32012695 | 12C ACCOUNTS BULK LOAD FROM DB TO AOB APPINST FAILS WITH: JAVA.LANG.REFLECT.INVOCATIONTARGETEXCEPTION |
| 32016431 | UNABLE TO CHANGE FLAT FILE DURING FLAT FILE APPLICATION INSTANCE CREATION |

**Table 1-11 (Cont.) Resolved Issues in OIM BUNDLE PATCH 12.2.1.4.210428**

| Bug Number | Description |
|---|---|
| 32018230 | DISAPPEARING REPORTS IN BI PUBLISHER - ONLY IDENTITY AUDIT REPORTS SHOW WHEN UI |
| 32065363 | PREVENT SELF CERTIFICATION IS NOT WORKING ON REASSIGNMENT OF ENT TYPE CERT |
| 32086855 | CERTIFICATION ROLE POLICY TAB ENTITLEMENT URL SHOW NO ENTITLEMENT DETAILS |
| 32119749 | BPEL TASK MAPPING GET ERASED WHEN THE COMPOSITE IS INVOKED |
| 32178264 | "BULK LOAD POST PROCESS" JOB SETTING DIFFERENT PWDS FOR OIM USER -VS- SSOTARGET |
| 32180926 | SOD CHECK NOT REQUIRED FOR OIM ROLES |
| 32285418 | TRACK REQUEST FOR REPORTEES NOT TRANSLATED TO POLISH |
| 32307183 | 12C PS4 UPG DOESN'T UPDATE OIM-CONFIG.XML OR WORKFLOWS WITH VERSION6 DEFAULT COMPOSITES |
| 32322591 | AUTO-LOGIN FUNCTIONALITY NOT WORKING FOR OIM OAM INTEGRATED ENVIRONMENT |
| 32364874 | "TEST CONNECTION" FAILS WHEN OIM UI IS LAUNCHED WITH NON .COM OR .EDU URL |
| 32386512 | PRE-UPGRADE REPORT SHOWS "OBSELETE" REPORTS NO LONGER REQUIRED. |
| 32393962 | SSOTARGET PROVISIONING TRANSFORMATION SCRIPT TRUNCATING DATE CAUSING INCONSISTENCY BETWEEN USR_PWD_EXPIRE_DATE AND OBPASSWORDEXPIRYDATE |
| 32400979 | CERTIFYING ACCESS POLICY ATTACHED TO ROLE VIA REST THROWS JAVA.LANG.NULLPOINTEREXCEPTION HTTP ERROR CODE 500 |
| 32429894 | PROB IN SAVING "ORGANIZATION NAME" AS RECONCILIATION RULE UNDER AD GROUP IN DC |
| 32485920 | CERTIFICATION TASK ASSIGNED ONLY TO PROXY OF MANAGER OF MANAGER DISABLED BUT NOT TO MANAGER OF MANAGER DISABLED |
| 32497804 | RESOURCE HISTORY - DATE ASSIGNED FIELD SHOWS IN GMT TIMEZONE |

**Table 1-11 (Cont.) Resolved Issues in OIM BUNDLE PATCH 12.2.1.4.210428**

| Bug Number | Description |
|---|---|
| 32513700 | INCONSISTENCY DATE FORMAT BETWEEN TRACK REQUESTS AND REQUEST DETAILS FOR REQUESTED DATE FIELD |
| 32527571 | WRONG KEY WHEN FETCH THE ERROR MESSAGE TRIGGERS MISSINGRESOURCEEXCEPTION |
| 32534109 | CAN'T CHANGE/UPDATE ATTRIBUTES ON AOB SCHEMA |
| 32535086 | ORGANIZATION SEARCH IS NOT WORKING FOR END USER OTHER THAN XELSYSADM |
| 32549885 | BUG IN ACCESSPOLICYSERVICE API, FUNCTION GETACCESSPOLICY LIMIT TO 1024 |
| 32582603 | ROLE CERTIFICATION COMPLETION THROWS EXCEPTION WHEN USING ACCESS POLICY WITH MULTIPLE APP INSTANCES WITH THE SAME ENDPOINT |
| 32631765 | DATE ASSIGNED COLUMN ONLY THE DATE IS DISPLAYED, TIMESTAMP MISSING |

## Resolved Issues in OIM BUNDLE PATCH 12.2.1.4.210112

Applying the bundle patch resolves the issues described in Table 1-12.

**Table 1-12 Resolved Issues in OIM BUNDLE PATCH 12.2.1.4.210112**

| Bug Number | Description |
|---|---|
| 25790911 | JAVA SCHEDULERSERVICE:GETLASTHISTORYOFJOB API CAUSING OUT OF SEQUENCE ISSUES WITH RAC DB |
| 27511207 | ACCOUNT END-DATE IS NOT CLEARED POST ENABLING THE ACCOUNT |
| 28025965 | LIBRARIES (.JAR)FOR MANAGED BEANS AND TASK FLOWS ARE MISSING IN 12C |
| 28361656 | EMPEMPLOYMENT.STARTDATE INVALIDDATAFORMATEXCEPTION |
| 28374155 | 12C SCIM API RETURNS ITEMSPERPAGE INSTEAD OF TOTALRESULTS |
| 30446841 | IDENTITY AUDIT RULES CONTAINING SPECIAL CHARACTERS DO NOT RAISE POLICY VIOLATION |
| 30484714 | REFRESHROW ISSUE WITH OJDBC8 |
| 30587375 | DEADLOCK CAUSING STUCK THREADS |
| 30517242 | OIMADMINPASSWD_WLS.SH FAILS ON IBM AIX WITH IBM JAVA JRE |

Table 1-12 (Cont.) Resolved Issues in OIM BUNDLE PATCH 12.2.1.4.210112

| Bug Number | Description |
|---|---|
| 30808736 | RECONCILIATION OF A USER STATUS FROM ACTIVE DIRECTORY DOES NOT SET OBUSERACCOUNTCONTROL IN LDAP |
| 30835811 | APPROVAL CHILD TASKS STATUS DOES NOT SHOW WITH BROWSER IN ITALIAN LANGUAGE |
| 30883086 | UNSUPPORTEDOPERATIONEXCEPTION ON MODIFYING USER WHEN USING UDF NUMBER IN ROLE MEMBERSHIP RULE |
| 30932205 | OIM REQUEST FAILED WITH MESSAGE IAM-2050126 : INVALID OUTCOME COM.ORACLE.BPEL.CLIENT.BPELFAULT |
| 30992823 | Fix for Bug 30992823 |
| 31161987 | PASSWORD RESET IN MYINFORMATION SUBMIT BUTTON |
| 31373822 | NEED SPECIAL HANDLING OF INT ON FORM WHEN NO VALUE PASSED |
| 31420786 | ACCESS POLICY DOES NOT REMOVE ENTITLEMENT WHEN 2 CHILDFORMS ARE UPDATED TOGETHER |
| 31530459 | IPV6: PURGECACHE UTILITY IS NOT WORKING WITH IPV6 ENABLED SETUP |
| 31645106 | HARVESTED ENTS INCLUDED WHEN ENTITLEMENTS PROVISIONED BY AP UNCHECKED |
| 31622015 | WRONG NUMBER OF ROWS DISPLAYED ON THE CERTIFICATION TABLE |
| 31641120 | CONFIG UPGRADE FAILING IF SCHEMA SUFFIX OTHER THAN _OIM USED |
| 31668539 | EVALUATE USER ACCESS POLICY JOB STUCK AND CAUSING OIM SERVER TO GO INTO WARNING |
| 31678727 | OAM OIM 12CPS3 USER IS SHOWING STATUS AS UNLOCKED IN OIM CONSOLE EVEN IT IS LOCKED |
| 31723765 | DISABLEPOWEREDBYHEADER, SOAPRESTART BOOTSTARP FAILED WITH LOCALSVCTBLDATASOURCE DS ERROR |
| 31956134 | ATTEMPT TO PACK THE DOMAIN AFTER 12.2.1.3 UPGRADE FAILS DUE TO COMPONENT VERSION MISMATCHES |
| 31969309 | FIX FAIL BUG 31180365 ON 12CPS4 BP |
| 31979466 | PUMA: ACCOUNT CHOOSER POPUP DURING CHECKOUT KEEPS EXPANDING TILL REACH THE WINDOW LENGTH |
| 32085862 | FAILED TO REGISTER LIBRARY EXTENSION-NAME: ORACLE.IDM.IDS.CONFIG.UI: MUST PROVIDE SPECIFICATION-VERSION FOR LIBRARY |
| 32254565 | WHEN USER HAS NO ACCOUNT, CALL MADE TO INVOKE TRIGGERPOSTPROCESSHANDLER FAILS |
| 32102761 | PRE UPGARDE REPORT FAILS IF STAGING-MODE IS EMPTY |
| 32103803 | UPGRADE WITH REMOVED ITR PASSWORDS LEAD TO POST CREATE EVENT HANDLER KEEPS TRIGGERING |

## Resolved Issues in OIM BUNDLE PATCH 12.2.1.4.201011

Applying this bundle patch resolves the issues described in Table 1-13.

**Table 1-13    Resolved Issues in OIM BUNDLE PATCH 12.2.1.4.201011**

| Bug Number | Description |
|---|---|
| 26308544 | DELETED ENTITLEMENTS IN ACCESS POLICY ARE NOT REMOVED IN TARGET APPLICATION |
| 29404814 | CERTIFYING 20K USERS WITH 20K ACCOUNTS AND 100K ENTITLEMENTS FAILS IN SELF-SERVICE |
| 29603087 | SELF REGISTRATION DOES NOT TRIGGER ROLE MEMEBERSHIP |
| 30062969 | TRUSTED RECON OF MANAGER DOES NOT PROPAGATE TO SSOTARGET |
| 30145982 | 12C ACCOUNTS BULK LOAD TO AOB APPINST FAILS: "ONE OR MORE INPUT REQUIRED PARAM.<br>**Note:**<br>See #unique_65 for information about the input required for loading account data by using the Bulk Load Utility. |
| 30202020 | [ROLECERT]: NO CERTIFICATION TASK CREATED FOR PROXY USER'S MANAGER |
| 30239831 | CONT: ADAPTER FACTORY GENERATING INVALID JAVA CODE. |
| 30414695 | ISSUE WITH OFFLINE CERTIFICATION COMMENTS FIELD LENGTH WHEN UPDATING FROM EXCEL |
| 30500178 | XL.CATALOGSEARCHRESULTCAP NOT ONLY AFFECT THE UI BUT ALSO INTERNAL PROCESSING |
| 30546975 | WHILE WITHDRAWING A REQUEST, THE CONFIRMATION BOX IS APPEARING WITH A BIG DIALOG |

Table 1-13 (Cont.) Resolved Issues in OIM BUNDLE PATCH 12.2.1.4.201011

| Bug Number | Description |
|---|---|
| 30716490 | UNABLE TO PROCESS BATCH UPDATE IF ANY SSOTARGET IN PROVISIONING STATUS FOR USER |
| 30717640 | RULEENGINEEXCEPTION: INVALID RULE EXPRESSION - NOT_IN |
| 30717793 | CLONED DISCONNECTED PROVISIONING COMPOSITE FAILS AT ASSIGNREQUESTINPUT STAGE |
| 30738489 | REQUESTS/PENDING REQUESTS GET ERROR IF SECOND MANAGER IS DISABLED |
| 30838859 | [ROLECERT]: FUTURE STARTING PROXY USER RECEIVES CERTIFICATION |
| 30865103 | DELETE TASK NOT TRIGGERED ON ATTRIBUTE SET AS NOT ENTITLEMENT IN CHILD FORM |
| 30865689 | ISSUE AUDIT MESSAGES JOB DOES NOT PROCESS AUD_JMS - ORA-01403: NO DATA FOUND |
| 30866653 | ACCESS DENIED ERROR WHEN CALLING CREATEITRESOURCEINSTANCE FROM SCHEDULED TASK |
| 30893984 | APPLICATION INSTANCE SORT ORDER IN USER CERTIFICATION NOT ALPHABETICAL |
| 30910129 | DUPLICATE ACCESS POLICY NAME ERROR NOT CLEAR |
| 30925400 | CRYPTIC ERROR MESSAGE WHEN REQUEST FAILS |
| 30930007 | EXPERIENCING VERY SLOW PERFORMANCE WHEN SCANNING SOD POLICIES WITH 4.5K RULES. |
| 30942250 | CREATE ADMIN ROLE THROWS: JBO-29000: UNEXPECTED EXCEPTION CAUGHT: JAVA.LANG.NULLPOINTEREXCEPTION |
| 30977436 | USER ASSIGNED TO A ROLE WITH THE "+" CHAR IN THE NAME CAN'T ACCESS WORKLISTAPP |

Table 1-13    (Cont.) Resolved Issues in OIM BUNDLE PATCH 12.2.1.4.201011

| Bug Number | Description |
|---|---|
| 30978612 | AP HARVESTING SYNC ATTRIBUTES/ ENTITLEMENTS TO MATCH WITH THE ACCESS POLICY<br>**Note:**<br>See Access Policy Harvesting to Enable Account Data Update for information about the XL.APHarvesting.AllowAccountDataUpdate system property for enabling account data update. |
| 31057153 | OIM 12C SSOTARGET APPLICATION PROFILE MODIFY NOT TAKING PATH IN LDAPCONTAINERRULES |
| 31111401 | ADMIN ROLE: JUMPING FROM SUMMARY PAGE BACK TO FIRST PAGE RESULTS IN LOST DATA |
| 31114189 | INTEGER FIELDS WITH NO VALUE DEFAULTING TO 0 FOR APPS CREATED USING AOB |

Table 1-13 (Cont.) Resolved Issues in OIM BUNDLE PATCH 12.2.1.4.201011

| Bug Number | Description |
|---|---|
| 31162758 | OIM 12C SSO USER TARGET RECON OVERWRITING ROLE VALUE SAVED ON OIM USER WITH DEFAULT VALUE<br>**Note:**<br>See Steps to Map the Role and employee Type Attributes for information about the manual steps required for the bug fix to work. |
| 31177214 | UNABLE TO ADD EMPLOYEE TYPE AS DISPLAY DATA IN THE INFORMATION WINDOW |
| 31180365 | UPGRADE FROM 11.1.2.3 TO 12.2.1.3: STRINGINDEXOUTOFBOUNDSEXCEPTION: STRING INDEX OUT OF RANGE: -19 |
| 31193971 | ENTITLEMENT CERTIFICATIONS ARE NOT GETTING GENERATED FOR SOME OF THE CERTIFIERS. |
| 31202544 | NON REQUESTABLE ROLES INCONSISTENT BEHAVIOR IN CERT DEFN "CONTENT SELECTION" |
| 31254720 | DIAG: POOR LOGGING IN OIMDATAPROVIDER |
| 31292576 | PASSWORD CHANGE FLOW ISSUES AFTER FIX 30809484 |
| 31316925 | ENT CERT SHOULD BE CREATED FOR CERTIFIER FOR REMAING ENT WHICH ARE CORRECT |
| 31351771 | INCONSISTENT VALUES IN THE REQUEST STATUS FILTER FROM TRACK REQUESTS PAGE |

**Table 1-13 (Cont.) Resolved Issues in OIM BUNDLE PATCH 12.2.1.4.201011**

| Bug Number | Description |
|---|---|
| 31375771 | SSO TARGET APPLICATION FAILS TO GET PROVISIONED WITH MANAGER ATTRIBUTE. |
| 31434988 | ENT_ASSIGN_HIST DOESN'T SAY IF THE ENTITLEMENT WAS PROVISIONED OR INPROGRESS |
| 31464420 | DISABLE USER TASK IS GETTING TRIGGERED FOR PROVISIONING ACCOUNTS |
| 31555186 | CERTIFY OIM OAM INTEGRATION ON SOLARIS |
| 31605168 | INTEROP: UPDATING ROLE NAME IN TARGET LDAP AND RECONCILE DID NOT UPDATE THE ENTILEMENTS IN INTEROP ENV<br>**Note:**<br>See Revoking Membership Does Not Work for the known issue about the bug fix. |
| 31605187 | INTEROP:SSO FULL USER RECON DID NOT UPDATE WITH LAST TOKEN VALUE<br>**Note:**<br>See SSO Full User Reconciliation for the manual steps required for the bug fix to work. |

Table 1-13 (Cont.) Resolved Issues in OIM BUNDLE PATCH 12.2.1.4.201011

| Bug Number | Description |
|---|---|
| 31670117 | INTEROP: ERROR COMING ON MODIFYING ROLE IN INTEROP AD ENVIRONMENT |

## Resolved Issues in OIM BUNDLE PATCH 12.2.1.4.200624

Applying this bundle patch resolves the issues described in Table 1-14.

Table 1-14 Resolved Issues in OIM BUNDLE PATCH 12.2.1.4.200624

| Bug Number | Description |
|---|---|
| 29055661 | PASSWORD POLICY DOES NOT MATCH BETWEEN OIM AND AD CAUSING ISSUES DURING PASSWORD SYNC |
| 30007378 | REASSIGN THE REVIEWER ON CERTIFICATION FAILED ON PREVENTING SELF CERTIFICATION |
| 30097140 | SLOWNESS OPENING USER DETAILS ADMIN ROLES TAB |
| 30153927 | APPROVAL DETAILS INCORRECT AFTER REVOKING ROLE BY XELSYSADMIN AND ANOTHER USER |
| 30216857 | SETCHALLENGERESPONSESFORLOGGEDINUSER - CHALLENGE QUESTIONS PROVIDED ARE NOT DEFI |
| 30343249 | WHILE DELETING ORGANIZATION USERS REMAIN IN ACTIVE STATE |
| 30343784 | ACCESS POLICY NOT REVOKING ENTITLEMENTS ON ALREADY DISABLED USERS |
| 30376706 | ROLEMANAGER GRANTROLE SQLEXCEPTION: EXCEEDED MAXIMUM VARRAY LIMIT |
| 30391615 | ROLE WITH RULE FOR DATE FIELD IS NOT ASSIGNED TO USER |
| 30420218 | OIM/OAM INTEGRATION USER SESSION LOST AFTER ANY USER DATA EDITED |
| 30439939 | AP HARVESTING DOES NOT WORK FOR RESROUCES WITH MULTIPLE PROVISIONING WORKFLOWS |
| 30506899 | DELETE RECONCILIATION LEAVES PROVISIONING OPEN TASKS IN LIMBO STATE. |
| 30517366 | DELEGATE THE REVIEWER ON CERTIFICATION FAILED ON PREVENTING SELF CERTIFICATION |
| 30757297 | DISCONNECTED APPLICATION NOT TRIGGERING UPDATE TASK ON CHILD FORM |
| 30788834 | DIAG: NEED SOME TRACE LOGGING IN THE SCIM FUNTIONALITY |
| 30896936 | PUMA: CUSTOM MESSAGE NOT DISPLAYED WHEN COMPLETING MANUAL TASK |
| 31184149 | PERFORMANCE ISSUE IN OIMDATAPROVIDER.GETARRAYFORHIERAR |

**Table 1-14 (Cont.) Resolved Issues in OIM BUNDLE PATCH 12.2.1.4.200624**

| Bug Number | Description |
|---|---|
| 31477738 | UNABLE TO CREATE RULE MEMBERSHIP WITH DATE DATA TYPE |

## Resolved Issues in OIM BUNDLE PATCH 12.2.1.4.200505

Applying this bundle patch resolves the issues described in Table 1-15.

**Table 1-15 Resolved Issues in OIM BUNDLE PATCH 12.2.1.4.200505**

| Bug Number | Description |
|---|---|
| 27074256 | OIM-OAM-OID: SSO USER FULL RECONCILIATION DO NOT DELETE USER |
| 27216374 | OIM-OAM-AD: SSO GROUP HIERARCHY SYNC FULL RECON DO NOT WORK |
| 30257502 | USER SESSION IS NOT TERMINATED IN UPGRADED 12CPS4 ENV |
| 30327749 | ROLES CREATED IN OIM ARE SHOWN AS ENTITLEMENT IN CATALOG SEARCH |
| 30330170 | LDAP USER DELETE RECON JOB NOT AVAILABLE |
| 30330745 | ISSUE WITH USER-ROLE MEMBERSHIP RECON |
| 30354276 | REMOVE LDAPSYNC RELATED JOBS IN CONNECTOR BASED 12CPS4 OAM-OIG ENV |
| 30555995 | SSOTARGET AND SSOTRUSTED-FOR-SSOTARGET SHOULD NOT BE AVAILABLE FOR OTHER OIM OPERATIONS SUCH AS REQUEST |
| 30654239 | USER NOT SEEN IN USER CONTAINER AFTER APPROVING THE USER REG REQUEST IN ROLLING UPG ENV(11G-12CPS3-12CPS4)) |
| 30654620 | USER NOT SHOWN AS LOCKED IN OIM AFTER PROVIDING WRONG PASSWORDS IN ROLLING UPG ENV(11G-12CPS3-12CPS4) |
| 30654852 | ROLE CREATED IN OIM IS NOT SEEN IN LDAP IN ROLLING UPG ENV(11G-12CPS3-12CPS4) |
| 30655208 | ROLE CREATED IN OUD IS NOT SEEN IN OIM IN ROLLING UPG ENV (11G-12CPS3-12CPS4) |
| 30655442 | SESSION TERMINATION FAILING IN ROLLING UPG ENV (11G-12CPS3-12CPS4) |
| 30655935 | ROLLING UPG(11G-12CPS3-12CPS4): SSOTARGET APP INSTANCE DOES NOT HAVE ANY ENTITLEMENTS IN 12CPS4 |
| 30855442 | NOT ABLE TO ADD MEMBER IN EXISTING ROLES IN AD ROLLING UPGRADE ENV (11G-12CPS3-12CPS4) |
| 30855747 | CAN NOT ADD ROLE HIERARCHY FOR EXISTING ROLES IN AD ROLLING UPGRADE ENV(11G-12CPS3-12CPS4) |

**Table 1-15 (Cont.) Resolved Issues in OIM BUNDLE PATCH 12.2.1.4.200505**

| Bug Number | Description |
|---|---|
| 30855892 | CAN NOT DELETE EXISTING ROLES IN AD ROLLING UPGRADE ENV(11G-12CPS3-12CPS4) |
| 30857219 | SSO GROUP HIERARCHY SYNC FULL RECONCILIATION JOB AND SSO GROUP HIERARCHY SYNC INCREMENTAL RECONCILIATION JOB FAILING IN AD ROLLING UPGRADE ENV |
| 30864002 | EXECUTION OF SSO GROUP HIERARCHY SYNC FULL RECONCILIATION IS SHOWN AS FAILED IN OUD BASED ROLLING UPGRADE ENV |
| 30864119 | EXECUTION OF SSO GROUP MEMBERSHIP FULL RECONCILIATION IS SHOWN AS FAILED IN OUD BASED ROLLING UPGRADE ENV |
| 30868468 | MODIFICATIONS TO NEWLY CREATED USER IS FAILING IN AD ROLLING UPGRADE ENV |
| 31190098 | INTEROP OIM_OAM_OUD IS BROKEN AFTER APPLYING PATCH 31178096 |
| 31198576 | TC_CB_SAFE_BUG20134996_DIFFCASEINGROUPLOOKUP_XEL SYSADM.DIF IN LRG_OIM_12CPS4_DB_CUSTOMER_1 TOPO |

## Resolved Issues in OIM BUNDLE PATCH 12.2.1.4.200206

Applying this bundle patch resolves the issues described in Table 1-16.

**Table 1-16 Resolved Issues in OIM BUNDLE PATCH 12.2.1.4.200206**

| Bug Number | Description |
|---|---|
| 29942217 | IMPLEMENT BLIND/FILTERED SEARCH "FOR A REPORTEE" FOR A MANAGER |
| 29972923 | STEPS TO ROLLBACK AUTOCOMMITED DDL OPERATIONS IN DB |
| 30325576 | PARTIAL FIX FOR BUG 28777983 |
| 30680152 | ORGANIZATION SEARCH IN TRACK REQUESTS PAGE: ALL REQUESTS NOT DISPLAYED FOR ORGANIZATION NAME SEARCH IF NUMBER OF REQUESTS GREATER THAN 25 |
| 30680286 | ORGANIZATION SEARCH IN TRACK REQUESTS PAGE: DOES NOT EQUAL OPERATOR NOT WORKING AS EXPECTED |
| 30717520 | ORGANIZATION SEARCH IN TRACK REQUESTS PAGE: BENEFICIARY NAME NOT LISTED |

## Known Issues and Workarounds

Known issues and their workarounds in Oracle Identity Governance Release 12.2.1.4.0 are described in the Oracle Identity Governance 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/en/middleware/idm/suite/12.2.1.4/idmrn/index.html

> **Note:**
>
> Some known issues listed in the Release Notes for Oracle Identity Management may have been resolved by this Bundle Patch (OIM BUNDLE PATCH 12.2.1.4.210708). Compare the issues listed in Resolved Issues of this document when reviewing the *Release Notes for Oracle Identity Management*.

This section describes the issues and workarounds in this BP release of Oracle Identity Governance:

- Members Tab in Admin Role Freezes While Searching
- Revoke Multiple Entitlements Using Rest API
- Adding Missing ObjectClasses With OID
- Entitlement Type Not Available for Certification Reports
- Errors Related to the For Reportees Feature
- Identity Self Service and Identity System Administration Not Accessible
- Revoking Membership Does Not Work
- Upgrade Assistant Fails With StringIndexOutOfBoundsException
- Error on Running Bulk Load on ATP-D Setup

## Members Tab in Admin Role Freezes While Searching

Issue:

The **Members** tab in the Admin Role freezes while you are trying to search for users and add them.

Resolution:

When this issue appears, the ADF patch 34247006 is required to resolve this issue.

## Revoke Multiple Entitlements Using Rest API

While revoking multiple entitlements, a request gets created automatically if you use the REST client such as POSTMAN.

To view the request, navigate to Pending Approvals. If you approve the request without visiting the Pending Approvals section, the entitlements gets revoked. Select the specific request which opens the Request Details page.

An error, `ORA-00911: invalid character` is displayed and the entitlements are removed from the cart.

## Adding Missing ObjectClasses With OID

As a workaround for the bug 33541821, while running `OIGOAMIntegration.sh` for adding the missing ObjectClasses with OID *only*, if you encounter the following error, then re-run the command and add the missing objectClasses.

Context Initialization Error

Solution:uncomment line number 227 in `_OIGOAMIntegration.sh:`

read `-p "Enter OID's ORACLE_HOME": ORACLE_HOME`

> **Note:**
>
> You have to input the OID MW_HOME from the command line.

## Entitlement Type Not Available for Certification Reports

In this patch, the feature **Entitlement Type** is introduced. The Certification UI and the Certification report does not display **Entitlement Type** details.

## Errors Related to the For Reportees Feature

While using the Organization Name search criteria, at least one direct reportee should be associated with the organization. When organization name outside the reportee's organization is entered, the following error message is displayed:

```
IAM-2053037 : An error occurred while searching for the reportees as the
organization name is invalid or not associated with any reportee (This is
EXPECTED). Atleast 1 direct reportee should belong to the org name being
searched.
```

The total number of direct reportees and indirect reportees must not exceed 1000. For Reportees does not work if number of direct reportees and indirect reportees are more than 1000, and the following error message is displayed:

```
"IAM-2053036 : An error occurred while searching for the reportees as the
reportee size exceeded the limit 1,200. Please retry with other search criteria"
```

## Identity Self Service and Identity System Administration Not Accessible

After applying this bundle patch, OIG server deployments for Identity Self Service and Identity System Administration fails with `oracle.iam.ui.view` and `oracle.iam.ui.model` applications.

When you apply the bundle patch and update the Oracle Identity Governance web applications, the OIG system libraries `oracle.iam.ui.model(1.0,11.1.1.5.0)` and `oracle.iam.ui.view(11.1.1,11.1.1)` goes to the Prepared state. The `oracle.iam.console.identity.self-service.ear` and `oracle.iam.console.identity.sysadmin.ear` are referencing these two libraries, and therefore, cause the deployment failure.

To workaround this issues, manually delete the `oracle.iam.ui.model(1.0,11.1.1.5.0)` and `oracle.iam.ui.view(11.1.1,11.1.1)` libraries from deployments, and redeploy them in WebLogic Server Administration Console. To do so:

1. In WebLogic Server Administration Console, go to **Deployments**, and click **Lock and Edit**.
2. Select the **oracle.iam.ui.model(1.0,11.1.1.5.0)** library, and click **Delete**. Do the same for the **oracle.iam.ui.view(11.1.1,11.1.1)** library.
3. Click **Activate Changes**.
4. In Deployments, click **Lock and Edit**.
5. Click **Install**, install the `oracle.iam.ui.model(1.0,11.1.1.5.0)` as a library by following all the default settings, and select the OIM cluster/server as the target. Click **Finish and Save**. Repeat for the same for the `oracle.iam.ui.view(11.1.1,11.1.1)` library.
6. Click **Activate Changes**. The libraries are running in Active state.
7. In Deployments, click **Lock and Edit**, and then click the **Control** tab.
8. Select **oracle.iam.console.identity.sysadmin.ear**, which is in the Prepared state, and then select **Start / Serving all requests**.
9. Select **oracle.iam.console.identity.self-service.ear**, which is in the Prepared state, and then select **Start / Serving all requests**.
10. After the two applications go to the Active state, click **Release configuration**.

After the referenced libraries and the `oracle.iam.console.identity.self-service.ear` and `oracle.iam.console.identity.sysadmin.ear` applications go to the Active state, the system is up and running.

## Revoking Membership Does Not Work

As part of the bug fix for 31605168, the entitlements are now updated with new role names, but the revoking of membership is not working.

## Upgrade Assistant Fails With StringIndexOutOfBoundsException

Running the Upgrade Assistant for upgrading Oracle Identity Manager 11*g* Release 2 (11.1.2.3.0) to Oracle Identity Governance 12c (12.2.1.4) fails with the following error:

```
[2020-04-14T16:03:48.087-04:00] [Framework] [ERROR] [] [upgrade.Framework] [tid:
XX] [ecid: XXXX] [[
  java.lang.StringIndexOutOfBoundsException: String index out of range: -19
  at java.lang.String.substring(String.java:1967)
  at oracle.iam.oimupgrade.mrua.OIMMRUA.readiness(OIMMRUA.java:345)
  at oracle.ias.update.plugin.Plugin.readiness(Plugin.java:595)
  at oracle.ias.update.plan.PlanStep.readiness(PlanStep.java:730)
  at 
oracle.ias.update.PhaseProcessor$ReadinessProcessor.runStepPhase(PhaseProcessor.j
ava:873)
  at oracle.ias.update.PhaseProcessor.runStep(PhaseProcessor.java:369)
  at 
oracle.ias.update.PhaseProcessor$ExtendedRunnable.run(PhaseProcessor.java:1058)
  at 
java.util.concurrent.ThreadPoolExecutor.runWorker(ThreadPoolExecutor.java:1149)
  at 
java.util.concurrent.ThreadPoolExecutor$Worker.run(ThreadPoolExecutor.java:624)
  at java.lang.Thread.run(Thread.java:748)
]]
```

The issue takes place during the MDS backup. The cause of the error is the MDS JDBC URL used, which is in the form:

```
jdbc:oracle:thin:@(DESCRIPTION=(LOAD_BALANCE=on)(ADDRESS=(PROTOCOL=TCP)
(HOST=xxxx)(PORT=1521))(ADDRESS=(PROTOCOL=TCP)(HOST=xxxx)
      (PORT=1521))(CONNECT_DATA=(SERVER=DEDICATED)(SERVICE_NAME=xxxx)
(FAILOVER_MODE=(TYPE=select)(METHOD=basic))))
```

The upgrade tool does not expect complex URLs with something before the address field.

To workaround this issue, remove `(LOAD_BALANCE=ON)` from the JDBC URL.

## Error on Running Bulk Load on ATP-D Setup

When you run the Bulk Load utility on ATP-D by using wallet, the utility exits with the following error:

```
./oim_blkld_usr_load.sh: line 260: /home/opc/db18c/bin/sqlplus: Permission denied
./oim_blkld_usr_load.sh: line 311: /home/opc/db18c/bin/sqlplus: Permission denied
./oim_blkld_usr_load.sh: line 336: /home/opc/db18c/bin/sqlplus: Permission denied
./oim_blkld_usr_load.sh: line 361: /home/opc/db18c/bin/sqlplus: Permission denied
./oim_blkld_usr_load.sh: line 386: /home/opc/db18c/bin/sqlplus: Permission denied
./oim_blkld_usr_load.sh: line 411: /home/opc/db18c/bin/sqlplus: Permission denied
./oim_blkld_usr_load.sh: line 436: /home/opc/db18c/bin/sqlplus: Permission denied
./oim_blkld_usr_load.sh: line 462: /home/opc/db18c/bin/sqlplus: Permission denied
./oim_blkld_usr_load.sh: line 486: /home/opc/db18c/bin/sqlplus: Permission denied
```

To workaround this issue:

1. Log in to Oracle WebLogic Administration Console as an administrator.
2. Click **Services**, **Datasources**.
3. Select the **oimOperationsDB** datasource.
4. Click **Connection Pool**, and check the URL value. It is similar to the following:

```
jdbc:oracle:thin:@(DESCRIPTION=(CONNECT_TIMEOUT=120)(RETRY_COUNT=20)
(RETRY_DELAY=3)(TRANSPORT_CONNECT_TIMEOUT=3)(ADDRESS_LIST=(LOAD_BALANCE=on)
(ADDRESS=(PROTOCOL=TCP)(HOST=abc.example.com)(PORT=1521)))
(CONNECT_DATA=(SERVICE_NAME=db.example.com)))
```

5. Use the hostname, port, and service name from the URL value to run the Bulk Load utility.

## Related Documents

For more information, see the following resources:

- Oracle Fusion Middleware Documentation

  This contains documentation for all Oracle Fusion Middleware 12*c* products.

- Oracle Technology Network

  This site contains additional documentation that is not included as part of the documentation libraries.

## Documentation Accessibility

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Oracle Fusion Middleware Oracle Identity Governance Bundle Patch Readme, OIM BUNDLE PATCH 12.2.1.4.230708
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