

# Oracle Identity Governance Bundle Patch Readme

This document is intended for users of OIM Bundle Patch 12.2.1.3.210329. It contains the following sections:

### Note:

For issues documented after the release of this OIM BUNDLE PATCH 12.2.1.3.210329, see My Oracle Support Document 2568304.1, Oracle Fusion Middleware 12.2.1.3.0 Known Issues (Doc ID 2568304.1) at the following URL:  
<https://support.oracle.com>

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## 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.

- [Bundle Patch](#)
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### 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 12.2.1.3.0 installation.

### Note:

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

- Download the latest version of OPatch. The OPatch version for this bundle patch is 13.9.4.2.5. However, 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 12.2.1.3.210329 patch 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 rollback to the previous release.

- [Understanding the Process Sequence With an Example](#)
- [Stage 1: 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 Oracle Identity Governance server, WebLogic Admin Server, and SOAMmanaged Server.
2. Run 'Opatch apply' on ORACLE\_HOME\_A. See [Stage 1: Patching the Oracle Binaries \(OPatch Stage\)](#) for more information.
3. Run 'Opatch apply' on ORACLE\_HOME\_B. See [Stage 1: 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.

## Stage 1: 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 p32695742_122130_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 p32695742_122130_Generic.zip
```

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

```
cd PATCH_TOP/32695742
```

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

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

6. Apply the bundle patch to the ORACLE\_HOME using the following command for Oracle Identity Governance:

```
opatch apply
```

 **Note:**

- Ensure the OPatch executables appear in your system PATH.
- 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.

## 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/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
<code>ant_home</code>	Location of the ANT installation. It is usually under <code>MW_HOME</code> .	For Linux: <code>\$MW_HOME/oracle_common/modules/thirdparty/org.apache.ant/1.9.8.0.0/apache-ant-1.9.8/</code> For Windows: <code>%MW_HOME%\oracle_common\modules\thirdparty\org.apache.ant\1.9.8.0.0\apache-ant-1.9.8\</code>
<code>java_home</code>	Location of the JDK/JRE installation that is being used to run the Oracle Identity Governance domain.	For Linux: <code>\$MW_HOME/oracle_common/jdk/</code> For Windows: <code>%MW_HOME%\oracle_common\jdk\</code>
<code>mw_home</code>	Location of the middleware home location on which Oracle Identity Governance is installed.	For Linux: <code>/u01/Oracle/Middleware</code> For Windows: <code>C:\Oracle\MW_HOME\</code>
<code>oim_oracle_home</code>	Location of the Oracle Identity Governance installation.	For Linux: <code>\$MW_HOME/idm</code> For Windows: <code>%MW_HOME%\idm</code>
<code>oim_username</code>	Oracle Identity Governance username.	System administrator username
<code>oim_password</code>	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.	N/A
<code>oim_serverurl</code>	URL to navigate to Oracle Identity Governance.	<code>t3://oimhost.example.com:14000</code>

**Table 1-1 (Cont.) Parameters of the patch\_oim\_wls.profile File**

Parameter	Description	Sample Value
soa_home	Location of the SOA installation.	For Linux: \$MW_HOME/soa For Windows: %MW_HOME%\soa
weblogic.server.dir	Directory on which WebLogic server is installed.	For Linux: \$MW_HOME/wlserver For Windows: %MW_HOME%\wlserver
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.	N/A
soa_host	Listen address of the SOA Managed Server, or the hostname on which the SOA Managed Server is listening. <b>Note:</b> 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 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.	N/A
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



**Table 1-1 (Cont.) Parameters of the patch\_oim\_wls.profile File**

Parameter	Description	Sample Value
opss_customizations_present	Enables customizations related to authorization or custom task flow. Set this value to true to enable customization.	true
mdsDB.user	MDS schema user	DEV_MDS
mdsDB.password	MDS schema password. If this line is commented out, then password will be prompted.	N/A
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
wls_serverurl	URL to navigate to WLS Console	t3:// wlshost.example.com:7001

 **Note:**

Updated 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 Server, 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 Server on WebLogic:

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

For LINUX or Solaris:

```
setenv PATH $JAVA_HOME/bin:$PATH
```

For Microsoft Windows:

```
set JAVA_HOME=VALUE_OF_JAVA_HOME
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 in domain home:

```
IAMGovernanceDomain/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.

- Ignore the following exception traces in the patch\_oim\_wls.log file:

```
[java] Aug 11, 2015 3:45:28 AM  
oracle.jdbc.driver.OracleDriver registerMBeans  
[java] WARNING: Error while registering Oracle JDBC  
Diagnosability MBean.  
[java] java.security.AccessControlException: access  
denied (javax.management.MBeanTrustPermission register)  
[java] at  
java.security.AccessControlContext.checkPermission(AccessCon  
trolContext.java:374)
```

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

- 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.

## 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/32695742
```

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

```
opatch rollback -id 32695742
```

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](#).

## 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 12.2.1.3.210329](#)
- [Postinstallation Configuration](#)
- [Updating Oracle Identity Governance Web Applications](#)

## Installing a New Oracle Identity Governance Instance with OIM Bundle Patch 12.2.1.3.210329

Perform the following steps to apply the bundle patch to a new Oracle Identity Governance instance. You can perform the same steps for clustered deployments.

 **Note:**

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

1. Install Oracle WebLogic Server. See *Installing and Configuring Oracle Identity and Access Management* at the following URL:  
<https://docs.oracle.com/en/middleware/idm/suite/12.2.1.3/inoam/index.html>
2. Create the Oracle Identity Governance database schema. See *Installing and Configuring Oracle Identity and Access Management*.
3. Install SOA and Oracle Identity Governance. See *Installing and Configuring Oracle Identity and Access Management*.
4. Apply patch using Opatch, as described in [Stage 1: Patching the Oracle Binaries \(OPatch Stage\)](#).

 **Note:**

If you are creating a new environment, then it is recommended that this step is performed before creating or extending the domain with Oracle Identity Governance.

5. Create domain by launching configuration wizard as specified in the *Installing and Configuring Oracle Identity and Access Management*.
6. Before starting the WebLogic Admin Server and SOA Server on Microsoft Windows, edit the startWeblogic.cmd file, and replace:

```
call "%COMMON_ORACLE_HOME%\bin\wlst.cmd"  
%COMMON_ORACLE_HOME%\tools\configureSecurityStore.py -d  
%DOMAIN_HOME% -m validate
```

With the following:

```
call "FULL_PATH_TO_WLST_SCRIPT\wlst.cmd"  
%COMMON_ORACLE_HOME%\tools\configureSecurityStore.py -d  
%DOMAIN_HOME% -m validate
```

Here, an example for *FULL\_PATH\_TO\_WLST\_SCRIPT* can be *MW\_HOME\oracle\_common\common\bin\*.

7. Start the WebLogic Admin Server and SOA Server.
8. Use Oracle Universal Installer to configure Oracle Identity Governance by running `config.sh`.
9. Stop and restart the WebLogic Admin Server and SOA Server.

10. Fill in the `patch_oim_wls.profile` file by referring to [Stage 2: Filling in the patch\\_oim\\_wls.profile File](#).
11. Run `patch_oim_wls.sh` (on UNIX) and `patch_oim_wls.bat` (on Microsoft Windows) to complete patching the domain. This step must be run on the `ORACLE_HOME` directory of the Oracle Identity Governance Managed Server. For more information, see [Stage 3: Patching the Oracle Identity Governance Managed Servers \(patch\\_oim\\_wls Stage\)](#).

 **Note:**

Before running the `patch_oim_wls` script, make sure that WebLogic Admin server and SOA servers are in running state.

12. Stop and restart the WebLogic Admin Server, SOA Server, and Oracle Identity Governance server.

## Postinstallation Configuration

After installing a new Oracle Identity Governance instance with OIM Bundle Patch 12.2.1.3.210329, 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](#).

## Configuring Oracle Identity Governance-Oracle Access Manager Integration (Optional)

This bundle patch release supports integration of Oracle Identity Governance (OIG) and Oracle Access Manager (OAM) using Connectors. For more information see, [Integrating Oracle Identity Governance and Oracle Access Manager Using LDAP Connectors](#) in *Integration Guide for Oracle Identity Management Suite*.

## 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.

## IP Filter Related Updates

IP Filter (IPF) related updates are not part of the Oracle Identity Governance bundle patch release. For instructions on how to download and applying the IPF one-off bundle patch, see [My Oracle Support document ID 2383246.1](#).



# 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 (bug 25695572) in this bundle patch. For the bug fix 25695572 to work:

1. Manually copy the contents of `$PATCH_DIRECTORY/files/oracle.oim.server/12.2.1.3.0/oracle.oim.symbol/server/reports/oim_product_BIPReports_12c.zip/*` directory to the `$BI_DOMAIN_HOME/bidata/components/bipublisher/repository/Reports/` directory.
2. Restart the BI server.

## Internet Explorer 11 Certification

This bundle patch is certified with Microsoft Internet Explorer 11. To use Oracle Identity Governance with Internet Explorer 11, download and apply ADF patch 29620828 from My Oracle Support web site at:

<https://support.oracle.com>

For information about this patch, see Tech Note *OIG 12c certification with IE11 browser (Doc ID 2556385.1)* at My Oracle Support web site at:

<https://support.oracle.com>

## Bulk Load Utility for Loading Accounts

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) permissions 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.

## Access Policy Harvesting for Direct Provisioned and Request Created Accounts

As a fix for bug# 27599841, you can link access policies to accounts created by request and to accounts that are provisioned directly.

To enable linking access policies to accounts created by request, set the values of `XL.APHarvestRequestAccount`, `XL.AllowAPHarvesting`, and `XL.AllowAPBasedMultipleAccountProvisioning` system properties to `TRUE`.

To enable linking access policies to accounts that are provisioned directly, set the values of `XL.APHarvestDirectProvisionAccount`, `XL.AllowAPHarvesting`, and `XL.AllowAPBasedMultipleAccountProvisioning` system properties to `TRUE`.

## 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`.

## Major Enhancements

The following are the major enhancements up to Release 12.2.1.3.210329:

- [Major Enhancements in Release 12.2.1.3.210329](#)
- [Major Enhancements in Release 12.2.1.3.190109](#)
- [Major Enhancements in Release 12.2.1.3.180713](#)

### Major Enhancements in Release 12.2.1.3.210329

When users are disabled, Oracle Identity Governance handles tasks without losing the assignments although the target assignee of the task being initiated is already disabled, or the current assignee of the pending tasks is being disabled. The type of tasks can be one of request/approval task, identity audit (IDA) scan violation, or certification. See [Use Cases for Disabled or Deleted Proxy Users](#) in *Administering Oracle Identity Governance* for more information.

### Major Enhancements in Release 12.2.1.3.190109

A new parameter, *opss\_customizations\_present* is introduced which controls the seeding of data from *jazn-data.xml* to OPSS database through post patch automation script. The default value of this parameter is *false*. If this parameter is set to *false*, then data from *jazn-data.xml* in the Bundle Patch is seeded to the OPSS database through post patch automation script.

If the environment contains customizations to workflows or custom task flows, then set the value of *opss\_customizations\_present* to *true* and then, manually seed the data from *jazn-data.xml* into OPSS database . For instructions see, [My Oracle Support document ID 2472116.1](#).

## Major Enhancements in Release 12.2.1.3.180713

In the Self Service Roles page, when you create a UDF to add a Checkbox type attribute in the Catalog Attributes tab, the Apply button is enabled when navigating between the attributes tab of the role. To overcome this issue, a new change listener `catReqBean.checkBoxChangeListener` is introduced in this bundle patch release.

## Resolved Issues

The following section lists the issues resolved in OIM Bundle Patch 12.2.1.3.210329:

- [Resolved Issues in OIM Bundle Patch 12.2.1.3.210329](#)
- [Resolved Issues in OIM Bundle Patch 12.2.1.3.210107](#)
- [Resolved Issues in OIM Bundle Patch 12.2.1.3.201006](#)
- [Resolved Issues in OIM Bundle Patch 12.2.1.3.200627](#)
- [Resolved Issues in OIM Bundle Patch 12.2.1.3.0 \(ID:200108.2108\)](#)
- **[Resolved Issues in Release 12.2.1.3.190624](#)**
- [Resolved Issues in Release 12.2.1.3.190109](#)
- [Resolved Issues in Release 12.2.1.3.180920](#)
- [Resolved Issues in Release 12.2.1.3.180713](#)
- [Resolved Issues in Release 12.2.1.3.180413](#)
- [Resolved Issues in Release 12.2.1.3.180109](#)

## Resolved Issues in OIM Bundle Patch 12.2.1.3.210329

Applying this bundle patch resolves the issues described in [Table 1-2](#).

**Table 1-2 Resolved Issues in OIM Bundle Patch 12.2.1.3.210329**

<b>Bug Number</b>	<b>Description</b>
16755363	IDMUPG:PS5-PS6:OIM UPGRADE SCRIPT THROWS NPE AFTER APPLYING PATCH 16609934
28027119	REVOKELDAPENTITLEMENTPOSTPROCES SHANDLER FAILING WHILE PARSING THE ENT NAME
28583697	INABILITY TO ADD COMMENTS FOR APPROVALS IN REST API
28608373	OIG 12C REST SEARCH SERVICE DOES NOT LIST THE USER.
28819255	CREATION OF THOUSANDS OF UNEXPLAINED UPDATE TASKS
28974361	COM.ORACLE.CIE.SERVICE-TABLE-SCHEMA LIBRARY ERROR AFTER 19C UPGRADE ON LATEST IDM
30054791	ADMIN ROLE ACCESS POLICY VIEWER ALLOWS USER TO START CHANGING
30141533	CREATE ADMIN ROLE ERROR
30272992	FEW REQUESTS MOVED TO FAILED STATUS WITH AUTO APPROVAL WORKFLOW
30586440	NPE ERRORS WHILE CREATE ADMIN ROLE ERROR
30674852	ROLE CERTIFICATION FAILS USING ACCESS POLICY WITH MULTIPLE APPLICATION INSTANCES WITH THE SAME ENDPOINT
30773475	OIM ORGANIZATION GETTING DISABLED INTERMITTENTLY IN PRODUCTION .
30959040	IMPORT OF THE EXPORTED ACCESS POLICY ASSIGNS TO DIFFERENT APPLICATION INSTANCE
31070814	OIM DATA PURGE JOB FAILS WHILE PURGING THE RECON DATA FROM RA TABLES
31467891	ACCESS POLICY EVALUATION INITIATES PROCESS TASKS FOR NULL CHECKBOX VALUES
31626677	OIMDBPLUGIN NOT INTERPRETING ESCAPED PARENTHESIS IN GROUP NAMES IN LDAP QUERY CORRECTLY
31838518	AUTOMATICALLY UNLOCK USER SCHEDULE JOB RESETS OBLOGINTRYCOUNT BUT NOT OBLOCKEDON
31855240	ACCESS POLICY CACHE IS NOT UPDATED AFTER A CHANGES

**Table 1-2 (Cont.) Resolved Issues in OIM Bundle Patch 12.2.1.3.210329**

Bug Number	Description
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
31941035	EXCEPTIONS ARE LOGGED DURING EXECUTION OF SCRIPT OIMBULKLOAD FOR AOB
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.INVOCATIONTARGET EXCEPTION
32485920	CERTIFICATION TASK ASSIGNED ONLY TO PROXY OF MANAGER OF MANAGER DISABLED BUT NOT TO MANAGER OF MANAGER DISABLED
32523570	ACTION COMMENTS DUPLICATED FOR REJECT,ESCALATE OPERATIONS DURING APPROVALS THROUGH REST API

## Resolved Issues in OIM Bundle Patch 12.2.1.3.210107

Applying this bundle patch resolves the issues described in [Table 1-3](#).

**Table 1-3 Resolved Issues in OIM Bundle Patch 12.2.1.3.210107**

Bug Number	Description
24512950	OIM 11.1.2.2.6 - UPGRADE TASK FOR 2ND DISCONNECTED APPLICATIONS NOT TRIGGERED
25790911	JAVA SCHEDULERSERVICE:GETLASTHISTORYOFJOB API CAUSING OUT OF SEQUENCE ISSUES WITH RAC DB
26380382	HETEROGENEOUS REQUEST DETAILS PAGE PERFORMANCE ISSUE FOR 100+ CHILD REQUESTS
27177000	STRESS:OIM RECON JOB IS NOT PROCESSING REQUESTS/ EVENTS WHEN RESTART OIM SERVERS
27511207	ACCOUNT END-DATE IS NOT CLEARED POST ENABLING THE ACCOUNT

**Table 1-3 (Cont.) Resolved Issues in OIM Bundle Patch 12.2.1.3.210107**

<b>Bug Number</b>	<b>Description</b>
27599841	WE ARE LOOKING TO MODIFY ROLE REVOCATIONS TO DE-PROVISION ALL ACCESS
27692108	OIM 11G TO 12 G UPGRADE UNIQUE CONSTRAINT (DEV_OIM.UK_ENTITY_TYPE) VIOLATED
28025965	LIBRARIES (.JAR)FOR MANAGED BEANS AND TASK FLOWS ARE MISSING IN 12C
28209451	NLS: NON-ENGLISH USER CAN NOT VIEW CONTENT/ PERFORM ACTION OF USER CERTIFICATION
28338775	ADFCONTEXT LEAK COMING FROM ORACLE.RULES
28361656	EMPEMPLOYMENT.STARTDATE INVALIDDATAFORMATEXCEPTION
28374155	12C SCIM API RETURNS ITEMSPERPAGE INSTEAD OF TOTALRESULTS
28415601	CONDITION MODIFIEDUSER.CURRENTVALUE.IDENTITYSTATUS IS IDENTITYSTATUS.ACTIVE ISSU
28944383	PROV TASK REST API TO UPDATE NOTE AND RESPONSE
29133050	PROVISIONING FAILING WITH NULL ERROR IF ITRESOURCE HAS ENCRYPTED FIELD
29502576	NULLPOINTEREX WHEN CERTIFICATION TASK EXPIRES FOR A ROLE CERTIFIER RECIPIENT
29744520	CUSTOM PASSWORD VALIDATION EVENT HANDLER MESSAGE DOES NOT WORK ON THE MY INFO
29945486	CONTINUATION OF BUG 29635993 - EXCESSIVE TIME ON CALLS TO /IDENTITY CONTEXT
30446841	IDENTITY AUDIT RULES CONTAINING SPECIAL CHARACTERS DO NOT RAISE POLICY VIOLATION
30484714	REFRESHROW ISSUE WITH OJDBC8
30587375	DEADLOCK CAUSING STUCK THREADS
30808736	RECONCILIATION OF A USER STATUS FROM ACTIVE DIRECTORY DOES NOT SET OBUERACCOUNTCONTROL 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
30910129	DUPLICATE ACCESS POLICY NAME ERROR NOT CLEAR
30932205	OIM REQUEST FAILED WITH MESSAGE IAM-2050126 : INVALID OUTCOME COM.ORACLE.BPEL.CLIENT.BPELFAULT
30978612	AP HARVESTING SYNC ATTRIBUTES/ENTITLEMENTS TO MATCH WITH THE ACCESS POLICY
30992823	Fix for Bug 30992823
31161987	PASSWORD RESET IN MYINFORMATION SUBMIT BUTTON

**Table 1-3 (Cont.) Resolved Issues in OIM Bundle Patch 12.2.1.3.210107**

Bug Number	Description
31193971	ENTITLEMENT CERTIFICATIONS ARE NOT GETTING GENERATED FOR SOME OF THE CERTIFIERS.
31316925	ENT CERT SHOULD BE CREATED FOR CERTIFIER FOR REMAING ENT WHICH ARE CORRECT
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
31645106	HARVESTED ENTS INCLUDED WHEN ENTITLEMENTS PROVISIONED BY AP UNCHECKED
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
31956134	ATTEMPT TO PACK THE DOMAIN AFTER 12.2.1.3 UPGRADE FAILS DUE TO COMPONENT VERSION MISMATCHES
32102761	PRE UPGARDE REPORT FAILS IF STAGING-MODE IS EMPTY
32103803	UPGRADE WITH REMOVED ITR PASSWORDS LEAD TO POST CREATE EVENT HANDLER KEEPS TRIGGERING
32103891	IPF.JAR INCORRECT IN DOMAIN_HOME/CONFIG/CONFIG.XML

## Resolved Issues in OIM Bundle Patch 12.2.1.3.201006

Applying this bundle patch resolves the issues described in [Table 1-4](#).

**Table 1-4 Resolved Issues in OIM Bundle Patch 12.2.1.3.201006**

Bug Number	Description
26308544	DELETED ENTITLEMENTS IN ACCESS POLICY ARE NOT REMOVED IN TARGET APPLICATION
26355008	GETTING ERROR MESSAGE ON SEARCH ENTITLEMENT ON REQUEST PAGE
26452240	AP HARVEST NOT WORKING FOR RECONCILED ENTITLEMENTS FOR ACCOUNT PROV BY AP
26498488	ENTS BY AP HARVESTED INCLUDED WHEN ENTITLEMENTS PROVISIONED BY ACCESS POLICY UNCHECK
26498535	ONLY HIGH-RISK ENTITLEMENTS OUTSIDE ROLES SELECTED BUT CERT SHOW MID RISK ENTS




**Table 1-4 (Cont.) Resolved Issues in OIM Bundle Patch 12.2.1.3.201006**

<b>Bug Number</b>	<b>Description</b>
26572790	PREVENTIVE SOD NOT TRIGGERED WHEN A ROLE WITH AP AND STANDALONE ENT IN SAME CART
26950406	TRACK REQUESTS BENEFICIARY AND REQUESTER WRONG LAYOUT
27157083	UNLOCK ACCOUNT THROWS POP-UP ERROR WITH PREVIOUS USER SELECTION
27267069	UNABLE TO FILTER ROLE MEMBERS IF THERE ARE MORE THAN 28 IN ROLE.
27531372	REQUEST JUSTIFICATION IS GETTING DELETED IN IE11 UPDATING REQUEST FORM
28433121	VARIABLES ARE NOT BEING RESOLVED IN OIM OOTB NOTIFICATIONS
29404814	CERTIFYING 20K USERS WITH 20K ACCOUNTS AND 100K ENTITLEMENTS FAILS IN SELF-SERVICE
29476323	OIM 12C SSOTARGET APPLICATION ORGANIZATION MODIFY NOT TAKING PATH IN LDAPCONTAINERRULES
29603087	SELF REGISTRATION DOES NOT TRIGGER ROLE MEMEBERSHIP
29657726	Fix for Bug 29657726
30062969	TRUSTED RECON OF MANAGER DOES NOT PROPAGATE TO SSOTARGET

**Table 1-4 (Cont.) Resolved Issues in OIM Bundle Patch 12.2.1.3.201006**

Bug Number	Description
30145982	12C ACCOUNTS BULK LOAD TO AOB APPINST FAILS: "ONE OR MORE INPUT REQUIRED PARAM..
30202020	[ROLECERT]: NO CERTIFICATION TASK CREATED FOR PROXY USER'S MANAGER
30239831	CONT: ADAPTER FACTORY GENERATING INVALID JAVA CODE.
30278057	ORGANIZATION NAME IS CHANGED CAPS WHILE SEARCHING IT IN ORGANIZATION TILE
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
30716490	UNABLE TO PROCESS BATCH UPDATE IF ANY SSOTARGET IN PROVISIONING STATUS FOR USER
30717640	RULEENGINEEXCEPTION: INVALID RULE EXPRESSION - NOT_IN

 **Note:**


See [Bulk Load Utility for Loading Accounts](#) for information about the input required for loading account data by using the Bulk Load Utility.

**Table 1-4 (Cont.) Resolved Issues in OIM Bundle Patch 12.2.1.3.201006**

<b>Bug Number</b>	<b>Description</b>
30738489	REQUESTS/PENDING REQUESTS GET ERROR IF SECOND MANAGER IS DISABLED
30838859	[ROLECERT]: FUTURE STARTING PROXY USER RECEIVES CERTIFICATION
30843613	APP INSTANCE DOES NOT APPEAR IN CART IF IS_REQUESTABLE IS 0 FOR AN ENDUSER
30865103	DELETE TASK NOT TRIGGERED ON ATTRIBUTE SET AS NOT ENTITLEMENT IN CHILD FORM
30925400	CRYPTIC ERROR MESSAGE WHEN REQUEST FAILS
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
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 1-4 (Cont.) Resolved Issues in OIM Bundle Patch 12.2.1.3.201006**

Bug Number	Description
31162758	OIM 12C SSO USER TARGET RECON OVERWRITING ROLE VALUE SAVED ON OIM USER WITH DEFAULT VALUE
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
31254720	DIAG: POOR LOGGING IN OIMDATAPROVIDER
31292576	PASSWORD CHANGE FLOW ISSUES AFTER FIX 30809484
31351771	INCONSISTENT VALUES IN THE REQUEST STATUS FILTER FROM TRACK REQUESTS PAGE
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
31441427	UPG DOESN'T UPDATE OIM-CONFIG.XML OR WORKFLOWS WITH VERSION6 DEFAULT COMPOSITES

 **Note:**  
See [Steps to Map the Role and employee Type Attributes](#) for information about the manual steps required for the bug fix to work.

**Table 1-4 (Cont.) Resolved Issues in OIM Bundle Patch 12.2.1.3.201006**

Bug Number	Description
31449106	ACCESS POLICY ADDING UNTOCHED BOOLEAN FIELDS AS 0 IN POF TABLE ON SAVING APPLICATION
31464420	DISABLE USER TASK IS GETTING TRIGGERED FOR PROVISIONING ACCOUNTS

## Resolved Issues in OIM Bundle Patch 12.2.1.3.200627

Applying this bundle patch resolves the issues described in [Table 1-5](#).

**Table 1-5 Resolved Issues in OIM Bundle Patch 12.2.1.3.200627**

Bug Number	Description
21054580	NO OPTION TO CLOSE TABS OPENED VIA DIRECT URLS
25418103	END USER NOT ABLE TO SUBMIT ANOTHER REQUEST FOR A FAILED ADD ENTITLEMENT REQUEST
28644113	TRIED TO CREATE UDF ROLE AND PUSH TO OUD BUT FAILED
29044697	OIM 12C UPGRADE BOOTSTRAP FAILURE WITH DISABLE POWERED BY HEADER FOR OIM FAILED
29427738	MANAGER DOES NOT HAVE PROXY ON THE DAY PROXY IS REMOVED
29758939	CHANGING GRANT DATES IN APPROVAL WITHOUT CLICKING UPDATE ALLOWED TO PROCEED
29772810	OIM12C: REQUEST STATUS SHOULD BE DISPLAYED AS EXPIRED NOT FAILED WHEN TASK IS EXPIRED
30005722	OIG12C: PERFORMANCE ISSUE WITH LARGE LOOKUPS IN ACCESS POLICIES WITH CHILDS
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 DEFINED
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

**Table 1-5 (Cont.) Resolved Issues in OIM Bundle Patch 12.2.1.3.200627**

<b>Bug Number</b>	<b>Description</b>
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
30632245	REST API : REVOKE ENTITLEMENT FOR INVALID USER ERROR MESSAGE CORRECTION
30717793	CLONED DISCONNECTED PROVISIONING COMPOSITE FAILS AT ASSIGNREQUESTINPUT STAGE
30757297	DISCONNECTED APPLICATION NOT TRIGGERING UPDATE TASK ON CHILD FORM
30788834	DIAG: NEED SOME TRACE LOGGING IN THE SCIM FUNTIONALITY
30866653	ACCESS DENIED ERROR WHEN CALLING CREATEITRESOURCEINSTANCE FROM SCHEDULED TASK
30896936	PUMA: CUSTOM MESSAGE NOT DISPLAYED WHEN COMPLETING MANUAL TASK
30959255	OIM 12C UPGRADE: ERRORS WHEN OIM APPLICATIONS FAIL TO DEPLOY (DOC ID 2389943.1)
31184149	PERFORMANCE ISSUE IN OIMDATAPROVIDER.GETARRAYFORHIERAR
31243937	POOR RESPONSE TIME ON HOMEPAGE CAUSED BY THE SOACALLS FOR THE COUNTERS DISPLAYED

## Resolved Issues in OIM Bundle Patch 12.2.1.3.0 (ID:200108.2108)

Applying this bundle patch resolves the issues described in .

**Table 1-6 Resolved Issues in OIM Bundle Patch 12.2.1.3.0 (ID:200108.2108)**

<b>Bug Number</b>	<b>Description</b>
26859255	OIM SELF SERVICE - OOTB FIELD PRECISION EXCEPTION
27580895	CONNECTION LEAK IN OIMPOSTCONFIGMANAGER.CONFIG.OIMCONFIGURATION.LOADCON FIGURATIO
28048402	UPGRADE ASSISTANT FAILS AT EXAMINE STEP - UPGRADE OF DOMAIN COMPONENT
28126864	NOTIFICATION EMAIL SUBJECT LINE NOT DISPLAYING PROPERLY IF \$USERLOGINID IS USED

**Table 1-6 (Cont.) Resolved Issues in OIM Bundle Patch 12.2.1.3.0  
(ID:200108.2108)**

<b>Bug Number</b>	<b>Description</b>
28375545	DIAG: CATCH ALL DETAILED EXCEPTIONS IF POSSIBLE TO SHOW THE CAUSES
28563380	DOBPROVISIONINGUTIL.POPULATEENTITLEMENTINSTANCES DEADLOCK IN OIM 11.1.2.3.180331
28777983	Fix for Bug 28777983
28919213	DIAG: HANDLE THE EXCEPTION PROPERLY IN INITPOSTCONFIGTASKS
28930943	CHANGING BROWSER LANGUAGE MODIFIES PROVISIONED DATE FORMAT TO DD/MM/YYYY
29042515	AFTER APPLYING OCT 2018 BP, THEN IAM-40600010 ERRORS IS FOUND FOR PROVISIONING.
29227955	ERROR MESSAGE CONTAINS NULL INSTEAD OF CERTIFIER NAME WHEN USING PROXY
29272568	SORT ORDER IN USER CERTIFICATION NOT ALPHABETIC FOR ENTITLEMENTS WITH CERTIFIABLE CAT UDF
29311886	ROLE CERTIFICATION: IDENTITY STATUS NOT POPULATED
29339597	PREVENT SELF CERTIFICATION [ROLE] IS NOT WORKING AS EXPECTED WHEN THERE IS A PROXY USER
29361127	EDIT MODE ROLE MEMBERSHIP RULE CONDITION IS DISPLAYED AS UNKNOWN
29430550	MANAGER SELECTING FOR REPORTEES IN TRACK REQUESTS CAUSES OIM TO BECOME UNSTABLE
29455507	OIM 12C REST SUPPORT FOR CORS
29472570	CUSTOMIZATION LOST PATCHING FROM 11.1.2.3.160419 TO 11.1.2.3.190103
29554380	OAM/OIM/LOUD 12C INTEGRATION OBLOCKEDON WRONG FORMAT
29555940	SSO INTEGRATED ENVIRONMENT - ORCLACTIVESTARTDATE, ORCLACTIVEENDDATE
29641875	OAM/OIM 12C INTEGRATION: SSO RECON WRONG DATE FORMAT
29656504	CONNECTOR AOB ON WIONDOWS IS FAILING WITH "COULD NOT CREATE THE TMP DIRECTORY"
29742938	REST API: REVOKE ENTITLEMENTS FROM USER
29900727	AD FORM `USER MUST CHANGE PASSWORD AT NEXT LOGON; CHECK BOX IS ALWAYS CHECKED
29908447	Fix for Bug 29908447
29942217	IMPLEMENT BLIND/FILTERED SEARCH "FOR A REPORTEE" FOR A MANAGER
29966832	ERROR SEEN IN SELF CERTIFICATION [ROLE] CASE EVEN THOUGH ROLE CERTIFICATION IS CREATED
29967546	REQUEST STATUS STUCK IN "REQUEST APPROVED FULFILLMENT PENDING"
29972923	STEPS TO ROLLBACK AUTOCOMMITTED DDL OPERATIONS IN DB

**Table 1-6 (Cont.) Resolved Issues in OIM Bundle Patch 12.2.1.3.0 (ID:200108.2108)**

Bug Number	Description
30007320	NPE IN ROLECERTIFICATIONHELPERIMPL.CREATEROLECERTIFICATION
30105406	ENH DOMAIN UPGRADE STAGE DELETES SOA CLUSTER
30119475	ENH OIM 12C UPGRADE - NOT GETTING FULL VIEW OF IMPORT/EXPORT PAGE
30325576	PARTIAL FIX FOR BUG 28777983
30679886	DEPLOYMENT CHECKER RESULTS ARE UNEXPECTED WITH 12CPS3 PATCH
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

## Resolved Issues in Release 12.2.1.3.190624

Applying this bundle patch resolves the issues listed in [Table 1-7](#).

**Table 1-7 Resolved Issues in Release 12.2.1.3.190624**

Bug Number	Description
25695572	ENTITLEMENT NAME IS MISSING IN REQUEST SUMMARY REPORT FOR REVOKE ENTITLEMENT TYPES Note: See <a href="#">Copying the Oracle Identity Governance Reports ZIP Directory</a> for information about copying the Oracle Identity Governance reports ZIP file for the bug fix to work.
26135785	NOTIFICATION TEMPLATE SHOULD SUPPORT EMAIL TEXTS OF SIZE > 4000
27601939	DIAG: LOGGING FOR OIM SERVER DOES NOT START UP BECAUSE OF INVALID CREDENTIALS
27738259	AFTER APPLYING PATCH 22005210 DATA IN HISTORY TAB SHOWS ESCAPING CHARS
27810515	LINKS IN OIM APPROVAL EMAILS NOT WORKING
28144322	DIAG: UPLOADJAR SHOULD THROW CORRECT ERROR INSTEAD OF NPE
28144399	DIAG: DOWNLOADJARS SHOULD THROW CORRECT ERROR INSTEAD OF NPE
28201867	DELETING APPINSTANCE DELETES ROLES THAT SHARE ENTITY_KEY WITH ENT DELETED



**Table 1-7 (Cont.) Resolved Issues in Release 12.2.1.3.190624**

<b>Bug Number</b>	<b>Description</b>
28222151	DIAG: NEED DIAGNOSTIC IN ICFCOMMON CONFIGURATION SETUP
28527669	DC FAILED TO CREATE RECON PROFILE:ATTRIB NOT PRESENT IN ENTITYDEFINITION OF USER
28553584	DIAG: IMPROVE THE MESSAGE TO PROVIDE MORE USEFUL DATA
28577886	INCREASE FIELD LENGTH OF SCHEMA ATTRIBUTE FOR AN APPLICATION
28642312	LOADFROMURL TAG IS NOT WORKING FOR TEST CONNECTION IN AOB TEMPLATE
28650960	CERTIFYING 20K USERS WITH 20K ACCOUNTS AND 100K ENTITLEMENTS FAILS
28674046	REVOKE MANUAL FULFILLMENT TASKS ARE TRIGGERING MULTIPLE TIMES
28674152	DEPLOYMENT MANAGER ISSUE IMPORTING HUGE DATA
28715293	MINIMUM CHALLENGE QUESTIONS ERROR IS NOT LOCALIZED
28737144	OIM 12C -IT RESOURCE VALUES ENCRYPTED AFTER EXPORTING AOB APP INSTANCE FROM DM
28770544	CUSTOM UI CALL TO CREATE-USER-TF DOES NOT RETURN TO CALLING PAGE CORRECTLY
28777965	Fix for Bug 28777965
28872568	ORGANIZATIONS CREATED IN OIM DO NOT SHOW AS AN ATTRIBUTE IN OUD
28879742	REVOKE FUTURE_GRANT ENTITLEMENTS FAILS IN OIG 12C WITH OID 12C AOB CONNECTOR
28939483	IMPROPER ERROR MESSAGES IN LDAP CREATE/DELETE/MODIFY ORCHESTRATION HANDLERS
28992260	EXCEPTION RAISED DURING ROLE PROVISIONING WHEN ENTITLEMENTS HAVE SIMILAR NAMES
29012343	REST API RETURNS WRONG ENTITYID FOR ENTITLEMENT IN REVOKE ENTITLEMENT REQUEST
29029439	USER SEARCH FAILS WITH ERROR "EXCEEDED MAXIMUM VARRAY LIMIT"
29217761	MEMORY LEAK WHEN CALLING PROVISIONINGSERVICE.GETACCOUNTSPROVISIONEDTOUSER() API
29260747	ROLE HISTORY TAB SHOWS ESCAPING CHARS
29351177	ENTITLEMENT CERTIFICATION WITH CRITERIA: INDEXOUTOFBOUNDSEXCEPTION: INDEX: 0, SIZE: 0
29390412	RE-CREATE ROLE FAILURE IN OIM/OAM INTEGRATED ENVIRONMENT
29409849	FUTURE DATED USER CAN NOT BE PROVISIONED FUTURE DATED ROLE

**Table 1-7 (Cont.) Resolved Issues in Release 12.2.1.3.190624**

Bug Number	Description
29753875	FUTURE ROLE GRANT START DATE CANNOT BE MODIFIED TO CURRENT FOR DISABLED UNTIL START DATE USER

## Resolved Issues in Release 12.2.1.3.190109

Applying this bundle patch resolves the issues listed in [Table 1-8](#):

**Table 1-8 Resolved Issues in Release 12.2.1.3.190109**

Bug Number	Description
26556110	PROCESS TASK EMAIL NOTIFICATION RESPONSE CODE AND RESPONSE DESCRIPTION NOT MATCH
26860614	Fix for Bug 26860614
26935701	USER CERTIFICATION REVOKED ACCOUNTS SHOULD NOT BE SHOWN
27337702	OIM_ORACLE_HOME/SERVER/PLATFORM/DIRECTORY MISSING FROM 12C BINARY
27479814	TARGET ACCOUNT SELECTION LIMITED TO 300 VALUES
27486132	BACKPORT OF 25948984 TO PS3
27498869	FETCHED SIZE UPDATE BREAKS ADDING MEMBERS TO ROLE
27607542	UDF DISAPPEAR FROM CERTIFICATION USER CRITERIA
27624103	SPMLWS DISCLOSES PASSWORD OF USER RESET IN AD INCASE OF SUCESS/ FAILURE
27675628	CREATING USERS WITH SCIM IN POPULATED ORGANIZATIONS TAKE A LONG TIME
27733085	MEMBERSHIP RULE UI SUPPORT FOR LOGICAL OPERATORS SUPPORTED BY JAVA API
27763398	STRESS:OIM SQLEXCEPTION SEEN WHILE APPROVING MODIFY ROLE REQUEST
27806960	PERFORMANCE ISSUE ON ORGANIZATION TAB
27828814	"APPLY" BUTTON GETTING ENABLED THOUGH NO CHANGES DONE TO ROLE ATTRIBUTES

**Table 1-8 (Cont.) Resolved Issues in Release 12.2.1.3.190109**

<b>Bug Number</b>	<b>Description</b>
27931832	THE LOGGED-IN USER 1 DOES NOT HAVE ADDROLEMEMBERSHIPS PERMISSION ON ROLE
27986715	MULTIPLE CHANGE TASKS ARE GETTING TRIGGERED INSTEAD OF ONE CHANGE TASK
28056465	WITHDRAWING A PARENT REQUEST OF THE HETEROGENOUS REQUEST
28142729	ORA-00917: MISSING COMMA AFTER APPLYING PATCH 26165573 MONTHS AGO
28238704	SECURITY ANSWERS ARE ALLOWED DUPLICATE WHEN "ALLOW DUPLICATE RESPONSE" UNCHECKED
28297906	ROLE NOT ADDED BY MEMBERSHIP RULE AFTER BEING REMOVED.
28316082	MYINFO_SAME_VALUE_MODIFY NOT CUSTOMIZABLE
28354933	STEPS TO ROLLBACK BUG 27098131 - ENTITLEMENTS OUTSIDE ROLES OPTION NOT SHOWING
28366280	WHEN A USER IS CREATED, OIM DOES NOT ASSIGN ROLE TO USER WITH RULE MEMBERSHIP
28369024	BOOTSTRAP FAILURE, ORA-00942
28542619	CONNECTION LEAK IN DOBPROVISIONINGUTIL.POPULATEENTITLEMENTINSTANCES IN 12CPS3
28891498	PROBLEM REVOKING ACCOUNT WITH REJECTED TASKS
28961310	ADVANCED ROLE SEARCH GIVING INCORRECT RESULTS WITH LATEST PATCH
29006080	CHANGE IN ROLE ASSIGNMENT BEHAVIOR FROM BUG 28366280
29044105	ALL USERS UNDER CHILD ORGANIZATION NOT RETRIEVED WITH SCIM

## Resolved Issues in Release 12.2.1.3.180920

Applying this bundle patch resolves the issues listed in [Table 1-9](#):

**Table 1-9 Resolved Issues in Release 12.2.1.3.180920**

<b>Bug Number</b>	<b>Description</b>
26418875	GETTING INCORRECT OUTPUT FOR PROCESS RESPONSE DESC VALUE IN EMAIL NOTIFICATION
26663859	USER CERTIFICATION FAILS WITH NPE WITHOUT CREATING ANY TASKS
26670135	ACCOUNTS IN WAITING STATUS CAUSE IDA SCAN "ORA-00903: INVALID TABLE NAME" ERROR
26785853	REQUESTS ARE GOING IN TO POST OPERATION PROCESSING INITIATED STATUS
26865173	TARGET TRUSTED RECON FAILED WITH OOTB TIME ZONE ATTRIBUTE
26935680	CREATE USERS CERTIFICATION TASKS FOR THOSE USERS WITH DISABLED MANAGER
26957145	Fix for Bug 26957145
27024554	IDENTITY AUDIT SCAN PICKING DISABLED POLICIES
27241253	OIM USERS PAGE DOES NOT REFRESH PROPERLY WHEN USING COLUMN SORT AND ADVANCING
27302510	OST_KEY IS WRONGLY MAPPED AFTER AD TARGET RECON UPDATE
27311536	Fix for Bug 27311536
27581965	MERGING 27282628 TO MAIN - STARTSOA3_R1 BLOCK SPRING JARS ISSUE
27617132	ACCOUNT CERTIFICATION DEFAULT SORTING IS NOT ALPHABETICAL
27624252	JBO-25020 ERROR WHEN TRYING TO SEARCH FOR AN ENTITLEMENT IN THE CATALOG
27626291	ERROR CLASSNOTFOUNDEXCEPTION DURING EXECUTION OF CUSTOM PLUGINS
27629691	UNNECESSARY UPDATE PROVISIONING TASKS ARE BEING TRIGGERED FOR DISCONNECTED APP
27656612	CONNECTION LEAK IN ORACLE.IAM.PROVISIONING.SCHEDULETASKS.USERPROCESSTHREAD .<INIT

**Table 1-9 (Cont.) Resolved Issues in Release 12.2.1.3.180920**

<b>Bug Number</b>	<b>Description</b>
27712069	MULTIPLE REDUNDANT CALLS TO OIM EJBS DURING LOAD OF MY INFORMATION PAGE
27771411	AOB: NO VALIDATION CHECK FOR UDF EXISTENCE AGAINST THE ATTRIBUTE USIND IN ICR
27777600	MANUAL FULLFILMENT IS NOT GETTING TRIGGERED FOR ENTITLEMENT VIA ACCESS POLICY
27779926	PROVISIONING DOES NOT WORK AFTER ACCOUNT WAS REVOKED TWICE
27817160	COM.THORTECH.XL.DATAACCESS.TCDATA SETEXCEPTION COLUMN 'UD_XXX' NOT FOUND
27833180	USER CERTIFICATION LAST DECISION REVOKED
27860018	BULK LOAD ROLEMEMBERSHIP SHOWING ZERO RECORDS PROCESSED EVEN THOUGH SUCCESSFULLY
27920700	Fix for Bug 27920700
27927397	PROVISIONING ENGINE FAILS TO PROCESS USER ATTRIBUTE CHANGE
28031831	AOB:APP CREATION FAILING ON MAPPING SAME ID ATT TO MULTIPLE ACCOUNT ATT
28155722	VALUES ARE NOT REFRESHED CORRECTLY IN "DETAILED INFORMATION" TAB
28186972	COLUMN USR_AUTOMATICALLY_DELETE_ON IS NOT CLEARED AFTER ENABLING THE USER
28239186	AOB:UPGRADE- INCORRECT MASTER TEMPLATE STORED IN CASE OF MULTIPLE TEMPLATES
28377433	AOB: AUDIT DATA NOT GETTING GENERATED FOR ANY OPERATION PERFORMED AGAINST APP
28433832	PROCESS TASKS ARE NOT TRIGGERED WHEN THERE ARE DUPLICATE ENTRIES IN LOOKUP

## Resolved Issues in Release 12.2.1.3.180713

Applying this bundle patch resolves the issues listed in [Table 1-10](#):

**Table 1-10 Resolved Issues in Release 12.2.1.3.180713**

<b>Bug Number</b>	<b>Description</b>
27000479	JAVA.LANG.NOCLASSDEFFOUNDEERROR: COM/ORACLE/OIM/GCP/ RESOURCECONNECTION/RESOURCECO
27067961	ENTITLEMENTS OUTSIDE ROLES OPTION NOT WORKING WITH DISPLAYNAME TRAILING SPACES
27078300	ENTITLEMENTS OUTSIDE ROLES CERT OPTION NOT TAKING INTO ACCOUNT INDIRECT ROLES
27098131	ENTITLEMENTS OUTSIDE ROLES OPTION NOT SHOWING APPLICATION INSTANCE
27100241	UNABLE TO DISPLAY DATA IN THE INFORMATION WINDOW
27177740	CLEAR TEXT PASSWORD CAUSING SRGSECHECK/PSWDCHECK DIF (40+)
27181614	SCIM - CREATE USER FAILS IF ACTIVE ATTRIBUTE IS INCLUDED IN THE REQUEST
27196097	ROLE HIERARCHY TAB NOT SHOWING ALL PARENT ROLES
27273838	ROLE CAN'T BE ASSIGNED TO A DISABLED USER, IF UNCHECK GRANT DURATION CHECKBOX
27350190	ADD CONNECTOR VERSION PARAMETER TO AUTOMATION SCRIPT
27366933	REGRESSION FOR BUG 27040809
27423854	INCORRECT DEFAULT LOCATION OF CONNECTOR BUNDLE IN SSOINTG- CONFIG.PROPERTIES
27423992	SSOINTG-CONFIG.PROPERTIES SHOULD BE IGNORED WHEN RUNNING A SINGLE COMMAND
27438385	BI REPORT ORPHANED ACCOUNT SUMMARY NOT WORKING
27439501	PREUPGRADE ADMIN USERS UNABLE TO EDIT IT RESOURCES AFTER UPGRADE
27466871	ATTRIBUTE MODIFICATION INCONSISTENT FOR MYPROFILE AND USERS SECTION
27558461	OIM UNEXPECTED REVOKE ROLES
27564325	REGRESSION FOR PSE 27542629 FOR BASE BUG 27139050 ON TOP OF 11.1.2.3.170718OIMBP
27567365	CONFIGURELDAPCONNECTOR.SH FAILS - INVALID VERSION

**Table 1-10 (Cont.) Resolved Issues in Release 12.2.1.3.180713**

Bug Number	Description
27567443	ERROR IAM-3040026 OCCURES WHENEVER THE CHOOSEN QUESTIONS IS INTERNATIONALIZED
27617274	PARAMETER OIM_SERVER_NAME MISSING IN CONFIG FILE
27626487	NO ATTRIBUTE ORACLECONTEXT IN AD SHOULD NOT BE AN ERROR
27638151	ADMISSINGOBJECTCLASSES HAS NO CONFIG FILE AND ASSUMES CONNECTION PARAMETERS
27638236	CONFIGURESSOINTEGRATION FAILS - COMMAND NOT FOUND
27697060	NO ATTRIBUTE SYSTEMIDPOLICY IN AD SHOULD NOT BE AN ERROR
27712164	OIM-OAM: IDM STAGE 8 SHIPHOME CAN NOT RUN OIGOAMINTEGRATION.SH
27719473	CONFIGURESSOINTEGRATION DOES NOT RETURN WRONG STATUS WHEN IDENTITY SERVER DOWN
27762094	WEBLOGIC_IDM DID NOT ADD IN IDM ADMINISTRATORS GROUP WHEN PREPAREIDSTORE FOR AD
27772143	ICONS MISSING FROM UI CONSOLE
27799154	OIM_SERVER_NAME VALUE IS NOT EFFECTIVE
27806091	OIM-OAM-AD: CONFIGURELDAPCONNECTOR FAILED WITH FILENOTFOUNDEXCEPTION
27939257	USRPROCESSTRIGGER IS GETTING NULL POINTER EXCEPTION

## Resolved Issues in Release 12.2.1.3.180413


Applying this bundle patch resolves the issues listed in [Table 1-11](#):

**Table 1-11 Resolved Issues in Release 12.2.1.3.180413**

Bug Number	Description
25323654	AOB: TEST CONNECTION IS SUCCESS EVEN IF INVALID VALUES IN BASIC CONFIG

**Table 1-11 (Cont.) Resolved Issues in Release 12.2.1.3.180413**

Bug Number	Description
25996056	NOTSERIALIZABLEEXCEPTION EXCEPTIONS BEING LOGGED WHEN ACCESSING WORKFLOW
26165573	EXTENSION TO THE FOLLOWING BUG 25727240 (REFRESH MATERIALIZED VIEW)
26186971	Fix for Bug 26186971
26188366	Fix for Bug 26188366
26288324	THE ENTITLEMENT GETPROVISIONED EVEN IF GRANT END DATE IS PASSED AT APPROVE TIME
26427097	DELETING APP INSTANCE RESULTS IN JAVA.LANG.STRINGINDEXOUTOFBOUNDS EXCEPTION
26474713	AOB: PROVIDE FEATURE TO ADD NEW CONFIGURATION PROPERTIES IN ADVANCED SETTINGS
26500524	AOB: SAP AC UM AND UME FORM FIELDS ARE UPDATED BLANK AFTER RUN USER RECON
26522972	AOB: REVOKE ACCOUNT IS NOT WORKING IN SAP AC UM & UME
26616250	TARGET USER RECON IS FAILING FOR CI BASED INSTALLATION

 **Note:**  
For manual steps on how to apply changes done for Bug Fix 26165573, see [My Oracle Support document ID 2383245.1](#).



**Table 1-11 (Cont.) Resolved Issues in Release 12.2.1.3.180413**

<b>Bug Number</b>	<b>Description</b>
26681376	PUBLISH IN TOP AND SUB ORGANIZATIONS BY OIM API IS TAKING LONG TIME
26729272	NOTSERIALIZABLEEXCEPTION RETURNVALUEROW WHILE EDIT WORKFLOW RULES IN OIM CLUSTER
26932665	DEPENDENT REQUEST DETAILS NOT VISIBLE DUE TO SCROLLBAR MISSING
26967104	AOB: DISPLAY NAME OPTION NOT COMING WHILE ADDING NEW ADVANCED CONFIG ATTRIBUTE
26967178	AOB: OPTION NOT COMING TO ADD ADV CONFIG ATTRIBUTE IF NO ATT EXISTS IN TEMPLATE
26982896	MANAGER INFORMATION SHOWING BLANK IN USER CERTIFICATION ON THE UI
27025473	LIGHT WEIGHT AUDIT PUREGE - REMOVE AUDIT LOG ENTRIES JOB IS RUNNING TOO LONG
27026427	KSS NOT UPDATED FROM DEFAULT-KEYSTORE.JKS BREAKS JWT
27113693	UPGRADE ASSISTANT READINESS CHECK FAILED DUE TO OIM 11.1.1.3.0 TEMPLATE
27119830	RECONFIG DOMAIN DOESN'T TAKE OIM 11.1.1.X VERSION APPS INTO CONSIDERATION
27145500	ERROR DUE TO CHANGES IN "SOA_OIM_LOOKUPDB" DATASOURCE IN 12CPS3
27166581	RESOURCE HISTORY SHOWS INCORRECT ENTITLEMENT NAME AFTER BP 26858666 (OCT-17)
27168000	LIBRARY ORACLE.IDM.IPF WAS TARGETED TO OIM AND SOA CLUSTER INSTEAD OF ADMINERVE
27200817	SEARCH SELECTIONS DO NOT WORK FOR CREATE/MANAGE USER IF CLICK BACK TO USERS LIST
27279346	AOB: APPLICATION CREATION FAILING WITH USER NOT HAVING SYSTEM ADMIN PERMISSION
27384225	AFTER APPLYING OCTOBER BP POLICY VIOLATIONS IS NOT DETECTING ANY VIOLATIONS

**Table 1-11 (Cont.) Resolved Issues in Release 12.2.1.3.180413**

Bug Number	Description
27510030	POLICY VIOLATION NOT THROWN FOR DISABLED ACCOUNT
27564429	AOB: SAP UM USER DELETE RECON IS NOT WORKING IN 12C WITH LATEST BP
27567130	CONFIGURELDAPCONNECTOR.SH FAILS

## Resolved Issues in Release 12.2.1.3.180109

Applying this bundle patch resolves the issues listed in [Table 1-12](#).

**Table 1-12 Resolved Issues in Release 12.2.1.3.180109**

Bug Number	Description
23110063	IMPLEMENTATION OF BULK ATTRIBUTES UPDATE FOR AN ACCOUNT IMPACTS OTHER ACCOUNTS
23337308	CERTIFICATION COLUMN NAME "CREATED BY" AND "UPDATED BY" DISPLAYS USR_KEY
25540355	PS3PARITY:"USER TYPE" VALUE DOESN'T GET SELECTED ON FIRST ATTEMPT
26164709	LOG4J.JAR NOT UPDATED IN SETENV.BAT
26434476	WAITING ON ENTITLEMENT STATUS, PATCH 25292874
26592805	USERS SHOULD NOT BE ABLE TO REVOKE ENT THAT IS PART OF ROLE FROM THEIR MY ACCESS
26615293	SEARCH ON CERTIFICATION DEFINITION CONTENT SELECTION PAGE RETURNS ONLY 28 ROLES
26625354	CERTIF ROLE POLICY TAB CATALOG INFO ENTITLEMENT URL SHOW NO ENTITLEMENT DETIALS
26639196	REPLACE EXISTING SEARCH IN CERT. DEF FLOW RESULTS IN ERROR PAGE AND NPE
26732357	CERTIFCATION RESET STATUS CAUSING NPE
26808282	DATASOURCE CONNECTION LEAK AFTER BUG 20293874
26811926	LIBRARIES FOR MANAGED BEANS AND TASK FLOWS ARE MISSING IN 12C

**Table 1-12 (Cont.) Resolved Issues in Release 12.2.1.3.180109**

<b>Bug Number</b>	<b>Description</b>
26863966	SEARCH RETURNS REQUESTS FOR REPORTEES AND NON-REPORTEES FOR R2PS2
26895672	OAM_OIM_OVD_OID_UPG: USER CREATION IS FAILED
27025966	THIS IS THE TRACKER BUG FOR EPIC OIM-11380
27037128	Fix for Bug 27037128
27110896	BE CONSISTENT WITH SPECIFYING PARAMETERS IN OAM/OIM INTEGRATION
27112593	ERROR WHEN GETTING CONNECTOR SERVER DETAILS BY NON SYSTEM ADMINISTRATOR
27119849	NLS : ISSUE WHILE SETTING CHALLENGE QUESTIONS WHEN FIRST LOGIN
27133948	OIM-OAM-OD: ADMIN FAILED TO UNLOCK A SELF LOCKED ACCOUNT
27139528	Fix for Bug 27139528
27175826	OIM-OAM-AD: CONFIGURELDAPCONNECTOR FAILED CONNECTOR PACKAGE IS NOT AVAILABLE
27203691	OIM-OAM-OD: SSO GROUP MEMBERSHIP INCREMENTAL RECONCILIATION DO NOT WORK
27298564	REPLACE EXISTING SEARCH IN CERT DEF FLOW RESULTING CERT IS NOT GETTING GENERATED
27300245	OIM-OAM-OID: USER SESSION IS NOT TERMINATED WHEN IT IS DELETED BY ADMIN
27313843	12C BP01: USER SESSION IS NOT TERMINATED WHEN IT IS LOCKED OR DISABLED BY ADMIN

## Known Issues and Workarounds

Known issues and their workarounds in Oracle Identity Governance Release 12.2.1.3 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/middleware/12213/idmsuite/IDMRN/toc.htm>

 **Note:**

Some known issues listed in the Release Notes for Oracle Identity Management may have been resolved by this Bundle Patch (OIM Bundle Patch 12.2.1.3.210329). 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:

- [LDAP User Create and Update Reconciliation Job Fails in Integrated and Upgraded Environment](#)
- [IT Resource Password is Updated as Null](#)
- [Recommendations for Upgrade](#)
- [Oracle Identity Governance Server URL is Inaccessible After Rollback](#)
- [Role Hierarchy Tab Shows Only 301 Roles](#)
- [Customizing the Fetch Size in Add Members Tab of Roles Page Results in Search Issue](#)
- [Manual Update of Refreshing Materialized View Fails](#)
- [Identity Self Service and Identity System Administration are Inaccessible After Upgrading OPatch Version](#)
- [Errors Related to the For Reportees Feature](#)
- [Identity Self Service and Identity System Administration Not Accessible](#)

## LDAP User Create and Update Reconciliation Job Fails in Integrated and Upgraded Environment

### Issue

Impacted Releases: 12c Release (12.2.1.3.0)

When Oracle Identity Governance Release 11.1.2.3 deployment is integrated with Oracle Access Management, libOVD, and Oracle Unified Directory, and upgraded to Release 12c (12.2.1.3.0), the LDAP User Create and Update Reconciliation scheduled job run fails with the following error when a new user is created and its status is set to locked in the system:

```
[2017-06-05T23:39:53.833-07:00] [oim_server1] [ERROR] []
[oracle.iam.ldapsync.schedulertasks.user] [tid: OIMQuartzScheduler_Worker-8]
[userId: oiminternal] [ecid: b2fc7981-724e-474c-b009-8a5e2d915d52-000008e9,0]
[APP: oim] [partition-name: DOMAIN] [tenant-name: GLOBAL] An error occurred
while processing the data that is retrieved from LDAP to create a
reconciliation event.[]
oracle.iam.ldapsync.exception.ReconEventCreationException:
```

```

Thor.API.Exceptions.tcAPIException: Exception occurred while inserting data
into table RA_LDAPUSER due to java.sql.SQLException: execute, Exception =
null
    at
oracle.iam.ldapsync.schedulertasks.user.LDAPUserChangesReconTask.createUserReco
nciliationEvent(LDAPUserChangesReconTask.java:435)
    at
oracle.iam.ldapsync.schedulertasks.user.LDAPUserChangesReconTask.processResult(
LDAPUserChangesReconTask.java:179)
    at
oracle.iam.ldapsync.schedulertasks.user.LDAPUserChangesReconTask.execute(LDAPUS
erChangesReconTask.java:132)
    ...
Caused by: Thor.API.Exceptions.tcAPIException: Exception occurred while
inserting data into table RA_LDAPUSER due to java.sql.SQLException: execute,
Exception = null
    at
oracle.iam.reconciliation.impl.ReconOperationsServiceImpl.createReconciliation
Event(ReconOperationsServiceImpl.java:431)
    at
oracle.iam.reconciliation.impl.ReconOperationsServiceImpl.createReconciliation
Event(ReconOperationsServiceImpl.java:418)
    ...
Caused by: oracle.iam.reconciliation.exception.ReconciliationException:
Exception occurred while inserting data into table RA_LDAPUSER due to
java.sql.SQLException: execute, Exception = null
    at
oracle.iam.reconciliation.impl.ReconOperationsServiceImpl$1.process(ReconOpera
tionsServiceImpl.java:489)
    at
oracle.iam.reconciliation.impl.ReconOperationsServiceImpl$1.process(ReconOpera
tionsServiceImpl.java:467)
    at
oracle.iam.platform.tx.OIMTransactionCallback.doInTransaction(OIMTransactionCa
llback.java:13)
    at
oracle.iam.platform.tx.OIMTransactionCallback.doInTransaction(OIMTransactionCa
llback.java:6)
    at
org.springframework.transaction.support.TransactionTemplate.execute(Transactio
nTemplate.java:130)
    at
oracle.iam.platform.tx.OIMTransactionManager.executeTransaction(OIMTransaction
Manager.java:47)
    at
oracle.iam.reconciliation.impl.ReconOperationsServiceImpl.reconEvent(ReconOper
ationsServiceImpl.java:467)
    at
oracle.iam.reconciliation.impl.ReconOperationsServiceImpl.createReconciliation
Event(ReconOperationsServiceImpl.java:406)
    at
oracle.iam.reconciliation.impl.ReconOperationsServiceImpl.createReconciliation
Event(ReconOperationsServiceImpl.java:429)
    ... 44 more
Caused by: oracle.iam.platform.utils.SuperRuntimeException:
java.sql.SQLException: execute, Exception = null
    at
oracle.iam.reconciliation.dao.event.EventMgmtDao.create(EventMgmtDao.java:244)

```

```

        at
oracle.iam.reconciliation.impl.ReconOperationsServiceImpl$1.process(ReconOperationsServiceImpl.java:478)
        ... 52 more
Caused by: java.sql.SQLException: execute, Exception = null
        at
weblogic.jdbc.wrapper.JDBCWrapperImpl.invocationExceptionHandler(JDBCWrapperImpl.java:143)
        at
weblogic.jdbc.wrapper.Statement.invocationExceptionHandler(Statement.java:142)

        at
weblogic.jdbc.wrapper.PreparedStatement.invocationExceptionHandler(PreparedStatement.java:100)
        at
weblogic.jdbc.wrapper.PreparedStatement.execute(PreparedStatement.java:125)
        at
oracle.iam.reconciliation.dao.event.EventMgmtDao.create(EventMgmtDao.java:234)

        ... 53 more
Caused by: java.lang.NullPointerException
        at
oracle.jdbc.driver.OracleSql.setNamedParameters(OracleSql.java:174)
        at
oracle.jdbc.driver.OracleCallableStatement.execute(OracleCallableStatement.java:4229)
        at
oracle.jdbc.driver.OraclePreparedStatementWrapper.execute(OraclePreparedStatementWrapper.java:1080)
        at
weblogic.jdbc.wrapper.PreparedStatement.execute(PreparedStatement.java:119)
        ... 54 more

```

## Workaround

As a workaround to this issue, before running the LDAP User Create and Update Reconciliation scheduled job:

1. Login to My Oracle Support website at:  
<https://support.oracle.com>
2. Search and download JDBC patch p26400304\_122130\_Generic.zip.
3. Apply the JDBC patch.
4. Run the LDAP User Create and Update Reconciliation scheduled job.

## IT Resource Password is Updated as Null

### Issue

Impacted Releases: 12c Release (12.2.1.3.0)

When Oracle Identity Governance is upgraded from Release 11g (11.1.2.3.0) to Release 12c (12.2.1.3.0), password of IT resources like Directory Server, Email Provider Definition - UMS, and OIA-ITRes are updated in Credential Store (CSF) as Null. This causes LDAP operations associated with these IT resources to fail.

## Workaround

After upgrade, bring OIG Server up and immediately reset password for these IT resources types, Directory Server, Email Provider Definition - UMS, and OIA-ITRes.

To reset the IT resources password:

1. Login to Oracle Identity System Administration.
2. Locate the IT Resource for which you want to reset the password.
3. For Directory Server edit the **Admin Password** parameter value and for Email Provider Definition - UMS and OIA-ITRes edit the **Password** parameter value.

For detailed steps on how to search and modify IT Resources parameters, see [Managing IT Resources](#) in *Administering Oracle Identity Governance*.

## Recommendations for Upgrade

Few upgrade bugs are resolved in this bundle patch release, 27113693, 27119830, 27145500, and 27168000. See [Resolved Issues in Release 12.2.1.3.180413](#).

Pre-upgrade report will be generated if any of the issue stated in above bugs exists in a Oracle Identity Manager 11gR2PS3 setup prior to upgrading it to Oracle Identity Governance 12.2.1.3.0 version. For automated fix of these upgrade bugs, please apply the Bundle Patch Release 12.2.1.3.180413 binaries on top of Oracle Identity Governance 12.2.1.3.0 binaries and then proceed with Oracle Identity Governance 12.2.1.3.0 upgrade process. Steps for manual fix are present in pre-upgrade reports.

## Oracle Identity Governance Server URL is Inaccessible After Rollback

### Issue

Impacted Releases: 12c Release (12.2.1.3.0)

When Oracle Identity Governance Bundle Patch is rolled back, the previous version of Oracle Identity Governance is restored. When you try to access the OIG Server URL it is inaccessible as the `/db/oim-config.xml` file is overwritten.

### Workaround

Workaround for this problem is to restore the base version of the `/db/oim-config.xml` file. For example, if you want to rollback Oracle Identity Governance Bundle Patch 12.2.1.3.180413, then before rollback, import the Oracle Identity Governance

12.2.1.3.0 base version `/db/oim-config.xml` file from the backup created before applying the Oracle Identity Governance Bundle Patch 12.2.1.3.180413. Then rollback the bundle patch.

## Role Hierarchy Tab Shows Only 301 Roles

### Issue

Impacted Releases: 12c Release (12.2.1.3.180713)

In the Role Hierarchy page, the Define Role Hierarchies panel shows only 301 roles.

## Customizing the Fetch Size in Add Members Tab of Roles Page Results in Search Issue

### Issue

Impacted Releases: 12c Release (12.2.1.3.190109)

When customizing the Add Members tab in Roles page, if the Fetch Size field is modified and the fetch size range is set to more than 25, then the search operation does not function as expected.

### Workaround

To workaround this issue, make sure to set the fetch size value below 25.

## Refresh Materialized View Scheduled Job Fails

### Issue

Impacted Releases: 12c Release (12.2.1.3.190109)

When you run the Refresh Materialized View scheduled job manually by following steps in [My Oracle Support document ID 2383245.1](#), the process fails.

### Workaround

To workaround this issue, execute the below steps:

1. Download the patch.
2. Unzip the patch  
to `<patchid>/files/oracle.oim.server/12.2.1.3.0/oracle.oim.symbol/server/db/oim/oracle/Upgrade/oim12cps3/list/Eval_trigger.sql`
3. Login into OIM DB.



4. Execute the sql `Eval_trigger.sql`
5. Restart the OIM Server.

## Identity Self Service and Identity System Administration are Inaccessible After Upgrading OPatch Version

After upgrading the OPatch version from 13.9.2.0.0 to 13.9.4.0.0, Identity Self Service and Identity System Administration cannot be accessed because of a mismatch in the versions of the `com.oracle.cie.com*.jar` file.

For more information about this issue and a workaround, see Tech Note *OIM 12c: OIM Consoles Do Not Come Up After Upgrading OPatch Version From 13.9.2.0.0 to 13.9.4.0.0 Due to com.oracle.cie.com\*.jar (Doc ID 2535244.1)* at the My Oracle Support web site at:

<https://support.oracle.com>

## 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 workaroud 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.

## Related Documents

For more information, see the following resources:

- [Oracle Fusion Middleware Documentation](#)  
This contains documentation for all Oracle Fusion Middleware 12c products.
- [Oracle Technology Network](#)  
This site contains additional documentation that is not included as part of the documentation libraries.

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Oracle® Fusion Middleware Oracle Identity Governance Bundle Patch Readme, OIM Bundle Patch 12.2.1.3.210329

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