Oracle® Fusion Middleware

Migrating Data for Oracle Fusion Middleware Products from On-Premises to ATP-S Database

12c (12.2.1.4.0)

F49589-03

May 2023

ORACLE®

Oracle Fusion Middleware Migrating Data for Oracle Fusion Middleware Products from On-Premises to ATP-S Database, 12c (12.2.1.4.0)

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Preface

This document describes how to migrate data for Oracle Fusion Middleware 12c (12.2.1.4.0) products from on-premises database to an Oracle Autonomous Database.

- Audience
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Audience

This migration document is intended for users who need to migrate data from Oracle Fusion Middleware 12c (12.2.1.4.0) database on-premises to an Oracle Autonomous Transaction Processing-Shared (ATP-S) database in Oracle Cloud Infrastructure.

Documentation Accessibility

For information about Oracle's commitment to accessibility, visit the Oracle Accessibility Program website at http://www.oracle.com/pls/topic/lookup?ctx=acc&id=docacc.

Access to Oracle Support

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Diversity and Inclusion

Oracle is fully committed to diversity and inclusion. Oracle respects and values having a diverse workforce that increases thought leadership and innovation. As part of our initiative to build a more inclusive culture that positively impacts our employees, customers, and partners, we are working to remove insensitive terms from our products and documentation. We are also mindful of the necessity to maintain compatibility with our customers' existing technologies and the need to ensure continuity of service as Oracle's offerings and industry standards evolve. Because of these technical constraints, our effort to remove insensitive terms is ongoing and will take time and external cooperation.

Related Documents

You can access the Oracle Fusion Middleware documentation for additional information.

- For installation information, see Fusion Middleware Installation Documentation.

- For upgrade information, see Fusion Middleware 12*c* Upgrade Documentation.

- For administration-related information, see Fusion Middleware 12*c* Administration Documentation.

- For release-related information, see Fusion Middleware 12*c* Release Notes.

Conventions

The following text conventions are used in this document:

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

1

Overview

You can migrate the data from an on-premises database associated with Oracle Fusion Middleware 12.2.1.4.0 domain to an Oracle Autonomous Transaction Processing-Shared (ATP-S) database in Oracle Cloud Infrastructure.

You can gain several advantages by moving data to an Oracle Autonomous Transaction Processing-Shared (ATP-S) database.

- Why Migrate to an ATP-S database
  Migration to Oracle Autonomous Transaction Processing-Shared (ATP-S) database simplifies your database provisioning, maintenance, and management operations.
- Database Migration Terminology
- Migration Approaches
  For all Oracle Fusion Middleware products certified with ATP-S database, you can migrate data using Database Migration (DMS) service. However, if you do not have access to the DMS service, then only for Oracle Identity Governance (OIG) and Oracle Access Manager (OAM), you can migrate data using Data Pump.

Why Migrate to an ATP-S database

Migration to Oracle Autonomous Transaction Processing-Shared (ATP-S) database simplifies your database provisioning, maintenance, and management operations.

You can have your own shared infrastructure in the Oracle Cloud, a Private Database Cloud within the Oracle Public Cloud. You can run your cloud instance without sharing your hardware with other cloud users, and Oracle's cloud management software also can run on different hardware, further isolating it from security threats and malicious users.

An Oracle Fusion Middleware Infrastructure and the following Oracle Fusion Middleware products are certified with ATP-S database:

- Oracle Data Integrator
- Oracle Enterprise Data Quality
- Oracle Enterprise Scheduler
- Oracle Forms and Reports
- Oracle GoldenGate Veridata
- Oracle HTTP Server
- Oracle Identity Management Suite
  - Oracle Internet Directory
  - Oracle Access Manager
  - Oracle Identity Manager

> **✎ Note:**
>
> Oracle Identity Manager is also referred to as Oracle Identity Governance.

- Oracle Managed File Transfer
- Oracle SOA Suite and Oracle Business Process Management
- Oracle WebCenter Content
- Oracle WebCenter Portal
- Oracle WebCenter Sites
- Oracle WebLogic Server

Database Migration Terminology

The following concepts are essential for working with Database Migration.

Migration
Represents a single migration operation and contains the specifications by which the migration should run. Migration specifications include whether or not to perform bulk data copy, and/or capture ongoing changes, and the source and target database selections.

Migration Job
Represents an active or past migration execution. A migration job is created implicitly when you start a migration. A migration job is a snapshot with runtime information about the migration. You use this information to audit logs and investigate failures.

Validation Job
Validates the prerequisites and connectivity for source and target databases, Oracle GoldenGate instances, and Oracle Data Pump. A validation job is created when you evaluate the migration.

Registered Database
Represents a database instance, containing the database metadata and connection details. A data asset can have one or many connections to include all schemas within a database that need to be migrated. The registered database is also called a Connection in the APIs

Schema
Organizational concepts of databases to hold database objects such as tables, views, stored procedures, and so on.

Migration Approaches

For all Oracle Fusion Middleware products certified with ATP-S database, you can migrate data using Database Migration (DMS) service. However, if you do not have access to the DMS service, then only for Oracle Identity Governance (OIG) and Oracle Access Manager (OAM), you can migrate data using Data Pump.

See the following topics:

- Migrate Using DMS
- Migrate Using Data Pump

2

Migrate Using DMS

Migrate data from an on-premises database to an Oracle Autonomous Transaction Processing-Shared (ATP-S) database using Database Migration (DMS) service.

The topics covered in this section describe the preparation steps, the migration tasks, and the postmigration tasks.

- **Prepare to Migrate**
  Before you begin with the migration of data an on-premises database to an Oracle Autonomous Transaction Processing-Shared (ATP-S) database, you must understand the high-level migration workflow, and meet the prerequisites and perform the premigration tasks that are described in this section.

- **Migrate Your Data**
  Register source (both PDB and CDB separately) and target databases to use with Oracle Cloud Infrastructure Database Migration by creating registered database resources. Registered database resources enable networking and connectivity for the source and target databases.

- **Restoring the Schema Version Registry**
  To migrate schema version registry from an on-premises database to an Oracle Autonomous Transaction Processing-Shared (ATP-S) database, you must restore the schema version registry on your shared autonomous database.

- **Complete the Postmigration Tasks**
  After migrating data from an on-premises database to an Oracle Autonomous Transaction Processing-Shared (ATP-S) database, perform the tasks described in this section. Some of these tasks apply to specific schemas.

Prepare to Migrate

Before you begin with the migration of data an on-premises database to an Oracle Autonomous Transaction Processing-Shared (ATP-S) database, you must understand the high-level migration workflow, and meet the prerequisites and perform the premigration tasks that are described in this section.

- **Roadmap for Migrating Data to an Oracle Autonomous Transaction Processing-Shared (ATP-S) Database**
  This roadmap provides the migration workflow for migrating data from an on-premises database to an Oracle Autonomous Transaction Processing-Shared (ATP-S) database.

- **Prerequisites**
  The prerequisites to migrate data from an on-premises database to an Oracle Autonomous Transaction Processing-Shared (ATP-S) database is described in the following sections.

- **Premigration Tasks**
  Perform the following premigration tasks before you migrate data from an on-premises database to Oracle Autonomous Transaction Processing-Shared (ATP-S) database

Roadmap for Migrating Data to an Oracle Autonomous Transaction Processing-Shared (ATP-S) Database

This roadmap provides the migration workflow for migrating data from an on-premises database to an Oracle Autonomous Transaction Processing-Shared (ATP-S) database.

Table 2-1 provides the high-level steps required for migrating data to an ATP-S database, for all Oracle Fusion Middleware products that are certified with ATP-S database.

Table 2-1   Migration Roadmap

Product Name	Migration Workflow
All Oracle Fusion Middleware products except Oracle Identity and Access Management Suite of products **Note:** Before creating a backup of the schema version registry, perform the premigration tasks for Oracle Forms and Oracle GoldenGate Veridata. See Premigration Task for Oracle Forms and Premigration Task for Oracle GoldenGate Veridata.	1. Database Requirements 2. Creating Resources 3. Setting Oracle GoldenGate for Online Migrations 4. Preparing the Database for Migration 5. Creating a Backup of the Schema Version Registry 6. Creating Migration 7. Validating a Migration 8. Excluding Unsupported Objects 9. Performing Migration 10. Restoring the Schema Version Registry 11. Rewiring the Domain with the ATP-S Target Database 12. Updating the Configuration Files 13. Restarting the Servers 14. Performing Sanity Check
Oracle Identity and Access Management Suite of products	-

Table 2-1   (Cont.) Migration Roadmap

Product Name	Migration Workflow
Oracle Access Manager	1. Database Requirements
	2. Creating Resources
	3. Setting Oracle GoldenGate for Online Migrations
	4. Preparing the Database for Migration
	5. Creating a Backup of the Schema Version Registry
	6. Creating Migration
	7. Validating a Migration
	8. Excluding Unsupported Objects
	9. Performing Migration for Oracle Identity and Access Management
	10. Restoring the Schema Version Registry
	11. Updating the Configuration Files
	12. Restarting the Servers
	13. Postmigration Tasks for Oracle Access Manager
	14. Performing Sanity Check
Oracle Identity Manager	1. Database Requirements
	2. Creating Resources
	3. Setting Oracle GoldenGate for Online Migrations
	4. Preparing the Database for Migration
	5. Premigration Task for Oracle Identity Manager
	6. Creating a Backup of the Schema Version Registry
	7. Creating Migration
	8. Validating a Migration
	9. Excluding Unsupported Objects
	10. Performing Migration for Oracle Identity and Access Management
	11. Restoring the Schema Version Registry
	12. Updating the Configuration Files
	13. Restarting the Servers
	14. Postmigration Tasks for Oracle Identity Manager
	15. Performing Sanity Check

Table 2-1   (Cont.) Migration Roadmap

Product Name	Migration Workflow
Oracle Internet Directory	1. Database Requirements
	2. Creating Resources
	3. Setting Oracle GoldenGate for Online Migrations
	4. Preparing the Database for Migration
	5. Premigration Task for Oracle Internet Directory
	6. Creating a Backup of the Schema Version Registry
	7. Creating Migration
	8. Validating a Migration
	9. Performing Migration for Oracle Internet Directory
	10. Postmigration Tasks for Oracle Internet Directory
	11. Performing Sanity Check

Prerequisites

The prerequisites to migrate data from an on-premises database to an Oracle Autonomous Transaction Processing-Shared (ATP-S) database is described in the following sections.

> **Note:**
>
> Before you perform the prerequisite tasks, apply the latest bundle patches for the products, and the prerequisite patches needed for the bundle patches, if any.

- Database Requirements
- Creating Resources
- Setting Oracle GoldenGate for Online Migrations
- Preparing the Database for Migration

Database Requirements

Your source and target database environment must meet these requirements to use Oracle Cloud Infrastructure Database Migration.

Table 2-2   Database requirements

Components	Supported versions
Source Database	Oracle Database 19c

Table 2-2   (Cont.) Database requirements

Components	Supported versions
Supported Target Database Versions	Oracle Autonomous Database with Shared Exadata Infrastructure
Source Platforms	Linux-x86-64

Creating Resources

To create the resources that Oracle Cloud Infrastructure Database Migration operations depends on, see Creating Resources in *Using Oracle Cloud Infrastructure Database Migration Service*.

Setting Oracle GoldenGate for Online Migrations

Online migrations with Oracle Cloud Infrastructure Database Migration have a few additional prerequisite tasks because you must install Oracle GoldenGate Microservices, create GoldenGate users on the source database, and unlock the GoldenGate user on the target database.

- Installing Oracle GoldenGate Microservices
- Creating GoldenGate Users on the Source Database
  You must create Goldengate users on the source database as a `SYS` user with `SYSDBA` privileges.
- Creating or Unlocking the GoldenGate User on the Target Database

Installing Oracle GoldenGate Microservices

1. Deploy the "Oracle GoldenGate for Oracle - Database Migrations" image from Oracle Cloud Marketplace as follows.

   a. Log in to Oracle Cloud Marketplace.

   b. Search for the "Oracle GoldenGate for Oracle - Database Migrations" Marketplace listing.

   c. From the Marketplace search results, select the "Oracle GoldenGate for Oracle - Database Migrations" listing.

   d. Deploy the image using the instructions at Deploying Oracle GoldenGate Microservices on Oracle Cloud Marketplace in *Using Oracle GoldenGate on Oracle Cloud Marketplace*.

   > **Note:**
   >
   > For Autonomous Database Shared Infrastructure, specify the Autonomous Database target during the deployment.

2. Modify the wallet containing certificates for TLS authentication:

    a. Copy the wallet to GoldenGate instance.

```
scp -i privatekey.ssh wallet_ATPS.zip opc@oggmachine:/u02/
deployments/Target/etc
```

    b. Log in to the GoldenGate instance and unzip the wallet to the specified location.

```
/u02/deployments/Target/etc/adb
```

    c. Modify the wallet location in `sqlnet.ora` file.

```
/u02/deployments/Target/etc/adb
```

> **✏ Note:**
>
> There is one more `sqlnet.ora` file in `/u02/deployments/Target/etc/`. Ensure to delete this file and update with `sqlnet.ora` present in `/u02/deployments/Target/etc/adb`.

    d. Delete existing `tnsnames.ora` file located in `/u02/deployments/Target/etc` directory.

    e. Copy `tnsnames.ora` file from `/u02/deployments/Target/etc/adb` to `/u02/deployments/Target/etc` directory.

```
-bash-4.2$ cat sqlnet.ora
WALLET_LOCATION = (SOURCE = (METHOD = file) (METHOD_DATA =
(DIRECTORY="/u02/deployments/Target/etc/adb")))
SSL_SERVER_DN_MATCH=yes
```

3. Verify that the GoldenGate hub subnet allows ingress for port 443. See the security ingress rules in the example in *Oracle Autonomous Database on Dedicated Exadata Infrastructure*.

Creating GoldenGate Users on the Source Database

You must create Goldengate users on the source database as a `SYS` user with `SYSDBA` privileges.

1. Connect to the PDB database as `SYS as SYSDBA` user and then create a GoldenGate administration user `ggadmin` in the PDB source database.

```
CREATE USER ggadmin IDENTIFIED BY <ggadmin_password> DEFAULT
TABLESPACE users TEMPORARY TABLESPACE temp;
ALTER USER ggadmin QUOTA 100M ON USERS;
GRANT UNLIMITED TABLESPACE TO ggadmin;
GRANT CONNECT, RESOURCE TO ggadmin;
GRANT SELECT ANY DICTIONARY TO ggadmin;
GRANT CREATE VIEW TO ggadmin;
GRANT DBA to ggadmin;
```

```
GRANT EXECUTE ON dbms_lock TO ggadmin;
EXEC dbms_goldengate_auth.GRANT_ADMIN_PRIVILEGE('ggadmin');
```

2. Connect to the CDB database as `SYS as SYSDBA` user and create a different user in the CDB root as `c##ggadmin`.

```
CREATE USER c##ggadmin IDENTIFIED BY <c##ggadmin_password> DEFAULT
TABLESPACE users TEMPORARY TABLESPACE temp;
ALTER USER c##ggadmin QUOTA 100M ON USERS;
GRANT UNLIMITED TABLESPACE TO c##ggadmin;
GRANT CONNECT, RESOURCE TO c##ggadmin container=all;
GRANT SELECT ANY DICTIONARY TO c##ggadmin container=all;
GRANT CREATE VIEW TO c##ggadmin container=all;
GRANT EXECUTE ON dbms_lock TO c##ggadmin container=all;
GRANT DBA to c##ggadmin container=all;
EXEC
dbms_goldengate_auth.GRANT_ADMIN_PRIVILEGE('c##ggadmin',container=>'all');
```

Creating or Unlocking the GoldenGate User on the Target Database

Run these commands on the GoldenGate marketplace target instance to unlock the `ggadmin` user on the target database.

1. Connect to the target database as `admin`.

```
export TNS_ADMIN=/u02/deployments/Target/etc/adb
export ORACLE_HOME=/u01/app/client/oracle19
$ORACLE_HOME/bin/sqlplus admin/<admin_password>@<ATP_databasename>
```

An example of the *ATP_databasename* would be `targetatp_tp`.

2. Unlock `ggadmin`.

```
SQL> ALTER USER ggadmin IDENTIFIED BY <ggadmin_password> ACCOUNT UNLOCK;
```

3. Verify that `ggadmin` is unlocked.

```
export TNS_ADMIN=/u02/deployments/Target/etc/adb
export ORACLE_HOME=/u01/app/client/oracle19
$ORACLE_HOME/bin/sqlplus ggadmin/<ggadmin_password>@<ATP_databasename>
```

Preparing the Database for Migration

- Giving Permissions to Database Migration Users
  Add the users in charge of database migrations to the specified group and provide required permissions.

- Configuring SUDO Access
  You may need to grant certain users authority to perform operations using `sudo` on the source database servers.

- Preparing the Source Database for Migration
  Ensure to configure your source database before you start migrating data.

- Preparing the Target Database for Migration
  Ensure to configure your target database before you start migrating data.

- Accessing the Database Migration Service
  You can access Oracle Cloud Infrastructure Database Migration using the Oracle
  Cloud Interface Console (a browser based interface), REST APIs, or Oracle Cloud
  Infrastructure Software Development Kits and Command Line Interface.

- Registering Databases
  You must register source and target databases to use with Oracle Cloud
  Infrastructure Database Migration by creating registered database resources.

Giving Permissions to Database Migration Users

Add the users in charge of database migrations to the specified group and provide
required permissions.

Ensure to grant the following policies to non-admin user in tenancy before you start
data migration:

```
Allow group dmsGroup to manage odms-connection in compartment
dmsCompartment
Allow group dmsGroup to manage odms-migration in compartment
dmsCompartment
Allow group dmsGroup to manage odms-agent in compartment dmsCompartment
Allow group dmsGroup to manage odms-job in compartment dmsCompartment
Allow group dmsGroup to manage users in tenancy where all
{target.user.id='ocid1.user.oc1..aaaaaaaaqutjpgdabhqd4p4jfoyrbu6n6ihjoq
isucfqdljikengtlnlvnyq', request.operation=/*AuthToken*/}
Allow group dmsGroup to inspect users in tenancy where all
{target.user.id='ocid1.user.oc1..aaaaaaaaqutjpgdabhqd4p4jfoyrbu6n6ihjoq
isucfqdljikengtlnlvnyq'}
Allow group dmsGroup to manage tag-namespaces in compartment
dmsCompartment
Allow group dmsGroup to manage virtual-network-family in compartment
Networks
Allow group dmsGroup to manage buckets in compartment dmsCompartment
Allow group dmsGroup to manage objects in compartment dmsCompartment
Allow group dmsGroup to manage autonomous-database-family in
compartment dmsCompartment
Allow group dmsGroup to manage database-family in compartment
dmsCompartment
Allow group dmsGroup to manage instance-family in compartment
dmsCompartment
Allow group dmsGroup to manage volume-family in compartment
dmsCompartment
Allow group dmsGroup to manage goldengate-family in compartment
dmsCompartment
Allow service goldengate to manage vaults in tenancy
Allow service goldengate to manage keys in tenancy
Allow service goldengate to manage secret-family in tenancy
Allow service goldengate to manage objects in compartment
dmsCompartment
Allow group dmsGroup to manage all-resources in compartment
dmsCompartment
Allow group dmsGroup to inspect teanancies in tenancy
```

For more information about providing permissions to database migration users, see Giving Permissions to Database Migration Users in *Using Oracle Cloud Infrastructure Database Migration Service*.

Configuring SUDO Access

You may need to grant certain users authority to perform operations using `sudo` on the source database servers.

To configure `sudo` access for source database servers, see Configuring Sudo Access in *Using Oracle Cloud Infrastructure Database Migration Service*.

Preparing the Source Database for Migration

Ensure to configure your source database before you start migrating data.

1. Prepare the source database for online logical migration with a minimum of 2.1 GB `STREAMS_POOL_SIZE`.

   > **Note:**
   >
   > Offline logical migrations is not supported.

   a. Configure `STREAMS_POOL_SIZE`.

   b. Connect to CDB source database as `SYS` user and execute the following commands:

   ```
   SQL> ALTER SYSTEM SET streams_pool_size > 2 GB scope=both;
   ALTER SYSTEM SET global_names=false;
   archive log list;
   commit;
   ```

   c. Connect to PDB source database as `SYS` user and execute the following commands:

   ```
   SQL> ALTER DATABASE ADD SUPPLEMENTAL LOG DATA;
   ALTER SYSTEM SET global_names=false;
   archive log list;
   commit;
   ```

2. Enable `ARCHIVELOG` if it is not already enabled. See step 3b in Preparing the Source Database for Migration in *Using Oracle Cloud Infrastructure Database Migration Service*.

3. Enable logging.

   ```
   sqlplus > ALTER DATABASE ADD SUPPLEMENTAL LOG DATA; (execute on both cdb
   and pdb)
   sqlplus > ALTER DATABASE FORCE LOGGING;(execute only on cdb)
   ```

> **✎ Note:**
>
> To prevent migration failure in upgrade scenarios, ensure to revoke *DBA* role from a Fusion Middleware user before you start migration in PDB using the command, `SQL> revoke DBA from FMW;`. If there are any failures due to grants, see DBA Role Privileges Issue.

4. If you are using Object Storage as a data transfer medium, ensure that an export Directory Object exists and is usable by Data Pump to store generated dump files.

    a. The directory object is a file path on the source database server file system. The name needs to comply with Oracle Database directory object rules.

    b. The export Directory Object must be owned by same OS user who owns the database Oracle home.

5. Connect to the source database server.

    a. Create a new directory in source database and provide required permissions.

    b. Connect to source database PDB as `sys` user.

    > **✎ Note:**
    >
    > Ensure to verify that `ggadmin` user you created in Creating GoldenGate Users on the Source Database exist in PDB.

    ```
    CREATE OR REPLACE DIRECTORY <DPDIR> as '/u01/app/oracle/product/
    19.0.0.0/dbhome_1/rdbms/log/<DPDIR>'; (Directory Created)
    Note: Make sure that this folder structure exists.
    GRANT READ,WRITE ON DIRECTORY <DPDIR> to ggadmin; (grant
    succeeded)
    commit;
    SELECT OWNER,directory_path from dba_directories where
    directory_name like '%<DPDIR>%'; ( It should display 1 row)
    exit ;
    ```

    > **✎ Note:**
    >
    > The directory object is a file path on the source database server file system. The name needs to comply with Oracle Database directory object rules. See CREATE DIRECTORY in *SQL Language Reference*.

6. In a multitenant environment, if you are migrating a PDB, do the following:

    a. Connect to CDB source database as `SYS` user.

    b. Enable GoldenGate Replication on the CDB source database.

    ```
    sqlplus > ALTER SYSTEM SET ENABLE_GOLDENGATE_REPLICATION=TRUE
    SCOPE=BOTH;
    ```

7. Apply mandatory RDBMS patches on the source database.

Preparing the Target Database for Migration

Ensure to configure your target database before you start migrating data.

You must use only one of the database service names, *databasename*_tpurgent or *databasename*_tp, specified in tnsnames.ora. For database service name details, see Database Service Names for Autonomous Transaction Processing and Autonomous JSON Database in *Using Oracle Autonomous Database on Shared Exadata Infrastructure*.

1. Connect to target database from GoldenGate machine.

```
export TNS_ADMIN=/u02/deployments/Target/etc/adb
export ORACLE_HOME=/u01/app/client/oracle19
cd $ORACLE_HOME/bin


/sqlplus admin/<admin_password>@<ATP_databasename>
```

2. Create a role manually, if not present.

```
CREATE ROLE STBROLE;
```

3. Check the GLOBAL_NAMES parameter. If the parameter is set to true, change it to false.

```
show parameter global;
alter system set global_names=false;
```

Accessing the Database Migration Service

You can access Oracle Cloud Infrastructure Database Migration using the Oracle Cloud Interface Console (a browser based interface), REST APIs, or Oracle Cloud Infrastructure Software Development Kits and Command Line Interface.

For complete information, see Accessing Oracle Cloud Infrastructure Database Migration Service in *Using Oracle Cloud Infrastructure Database Migration Service*.

Registering Databases

You must register source and target databases to use with Oracle Cloud Infrastructure Database Migration by creating registered database resources.

To register databases, see Managing Registered Databases in *Using Oracle Cloud Infrastructure Database Migration Service*.

Premigration Tasks

Perform the following premigration tasks before you migrate data from an on-premises database to Oracle Autonomous Transaction Processing-Shared (ATP-S) database

- Premigration Task for Oracle Internet Directory
  For Oracle Internet Directory, you must perform the premigration task of disabling auto purge, before you migrate data to Oracle Autonomous Transaction Processing-Shared (ATP-S) database.

- Premigration Task for Oracle Identity Manager
  Perform the following premigration task before you migrate data to Oracle
  Autonomous Transaction Processing-Shared (ATP-S) database for Oracle Identity
  Manager.

- Premigration Task for Oracle Forms
  Perform the following premigration task before you migrate data to Oracle
  Autonomous Transaction Processing-Shared (ATP-S) database for Oracle Forms.

- Premigration Task for Oracle GoldenGate Veridata
  Perform the following premigration task before you migrate data to Oracle
  Autonomous Transaction Processing-Shared (ATP-S) databasefor Oracle
  GoldenGate Veridata.

- Creating a Backup of the Schema Version Registry
  Use the Upgrade Assistant on the on-premises host to create a backup of the
  existing schema version registry on the on-premises database.

- Creating Migration
  A migration contains the parameter settings for running a migration job with Oracle
  Cloud Infrastructure database migration.

- Validating a Migration
  Before you can run a job with a migration resource in Oracle Cloud Infrastructure
  Database Migration, the migration resource must be validated.

- Excluding Unsupported Objects
  You must specify objects to include or exclude from a migration job while you are
  creating a migration resource.

Premigration Task for Oracle Internet Directory

For Oracle Internet Directory, you must perform the premigration task of disabling auto
purge, before you migrate data to Oracle Autonomous Transaction Processing-Shared
(ATP-S) database.

To disable auto purge on the on-premises database:

1. Set the environment variables.

```
export JAVA_HOME=<JAVA_HOME>
export ORACLE_HOME=<ORACLE_HOME>
export DOMAIN_HOME=<DOMAIN_HOME>
export WL_HOME=<ORACLE_HOME>/wlserver
export PATH=$JAVA_HOME/bin:$ORACLE_HOME/bin:$ORACLE_HOME/ldap/
bin:$DOMAIN_HOME/bin:$PATH
```

2. Read the current purge config data in the source database using `ldapsearch`
   command and capture the current value of `orclpurgeenable` for all containers.

```
ldapsearch -p <nonssl_ldap_port> -D cn=orcladmin -w <password> -b
"cn=changelog
purgeconfig,cn=purgeconfig,cn=subconfigsubentry"  -s base
"objectclass=*"
ldapsearch -p <nonssl_ldap_port> -D cn=orcladmin -w <password> -b
"cn=general stats
purgeconfig,cn=purgeconfig,cn=subconfigsubentry"  -s base
"objectclass=*"
```

```
ldapsearch -p <nonssl_ldap_port> -D cn=orcladmin -w <password> -b
"cn=health stats
purgeconfig,cn=purgeconfig,cn=subconfigsubentry"  -s base  "objectclass=*"
ldapsearch -p <nonssl_ldap_port> -D cn=orcladmin -w <password> -b
"cn=perf stats
purgeconfig,cn=purgeconfig,cn=subconfigsubentry" -s base  "objectclass=*"
ldapsearch -p <nonssl_ldap_port> -D cn=orcladmin -w <password> -b
"cn=tombstone
purgeconfig,cn=purgeconfig,cn=subconfigsubentry" -s base  "objectclass=*"
ldapsearch -p <nonssl_ldap_port> -D cn=orcladmin -w <password> -b
"cn=secrefresh events
purgeconfig,cn=purgeconfig,cn=subconfigsubentry" -s base  "objectclass=*"
ldapsearch -p <nonssl_ldap_port> -D cn=orcladmin -w <password> -b
"cn=sysresource events
purgeconfig,cn=purgeconfig,cn=subconfigsubentry" -s base  "objectclass=*"
ldapsearch -p <nonssl_ldap_port> -D cn=orcladmin -w <password> -b
"cn=oidstats_config,cn=purgeconfig,cn=subconfigsubentry" -s base
"objectclass=*"
ldapsearch -p <nonssl_ldap_port> -D cn=orcladmin -w <password> -b
"cn=user statistics
purgeconfig,cn=purgeconfig,cn=subconfigsubentry" -s base  "objectclass=*"
ldapsearch -p <nonssl_ldap_port> -D cn=orcladmin -w <password> -b
"cn=bindsec stats
purgeconfig,cn=purgeconfig,cn=subconfigsubentry" -s base  "objectclass=*"
ldapsearch -p <nonssl_ldap_port> -D cn=orcladmin -w <password> -b
"cn=comparesec stats
purgeconfig,cn=purgeconfig,cn=subconfigsubentry" -s base  "objectclass=*"
ldapsearch -p <nonssl_ldap_port> -D cn=orcladmin -w <password> -b
"cn=comparefailure stats
purgeconfig,cn=purgeconfig,cn=subconfigsubentry" -s base  "objectclass=*"
```

3. Based on the current purge config captured in step 2, modify
   `original_purge_config.ldif` to save the original purge configuration.

   Example contents of `original_purge_config.ldif` file. In this example, for one of
   the entries in `original_purge_config.ldif` - `oidstats_config`, the purge
   value does not change, as it is disabled by default and has value "0".

```
dn: cn=changelog purgeconfig, cn=purgeconfig, cn=subconfigsubentry
changetype: modify
replace: orclpurgeenable
orclpurgeenable: 1

dn: cn=general stats purgeconfig,cn=purgeconfig,cn=subconfigsubentry
changetype: modify
replace: orclpurgeenable
orclpurgeenable: 1

dn: cn=health stats purgeconfig,cn=purgeconfig,cn=subconfigsubentry
changetype: modify
replace: orclpurgeenable
orclpurgeenable: 1

dn: cn=perf stats purgeconfig,cn=purgeconfig,cn=subconfigsubentry
changetype: modify
```

```
replace: orclpurgeenable
orclpurgeenable: 1

dn: cn=tombstone purgeconfig,cn=purgeconfig,cn=subconfigsubentry
changetype: modify
replace: orclpurgeenable
orclpurgeenable: 1

dn: cn=secrefresh events
purgeconfig,cn=purgeconfig,cn=subconfigsubentry
changetype: modify
replace: orclpurgeenable
orclpurgeenable: 1

dn: cn=sysresource events
purgeconfig,cn=purgeconfig,cn=subconfigsubentry
changetype: modify
replace: orclpurgeenable
orclpurgeenable: 1

dn: cn=oidstats_config,cn=purgeconfig,cn=subconfigsubentry
changetype: modify
replace: orclpurgeenable
orclpurgeenable: 0

dn: cn=user statistics
purgeconfig,cn=purgeconfig,cn=subconfigsubentry
changetype: modify
replace: orclpurgeenable
orclpurgeenable: 1

dn: cn=bindsec stats purgeconfig,cn=purgeconfig,cn=subconfigsubentry
changetype: modify
replace: orclpurgeenable
orclpurgeenable: 1

dn: cn=comparesec stats
purgeconfig,cn=purgeconfig,cn=subconfigsubentry
changetype: modify
replace: orclpurgeenable
orclpurgeenable: 1

dn: cn=comparefailure stats
purgeconfig,cn=purgeconfig,cn=subconfigsubentry
changetype: modify
replace: orclpurgeenable
orclpurgeenable: 1
```

4. Disable purging on the source database using the `ldapmodify` command and set the value of `orclpurgeenable` to "0" for all containers obtained from step 2.

```
ldapmodify  -p <nonssl_ldap_port> -D cn=orcladmin -w <password> -f
disable_purge.ldif
```

Example contents of `disable_purge.ldif` file:

```
dn: cn=changelog purgeconfig, cn=purgeconfig, cn=subconfigsubentry
changetype: modify
replace: orclpurgeenable
orclpurgeenable: 0

dn: cn=general stats purgeconfig,cn=purgeconfig,cn=subconfigsubentry
changetype: modify
replace: orclpurgeenable
orclpurgeenable: 0

dn: cn=health stats purgeconfig,cn=purgeconfig,cn=subconfigsubentry
changetype: modify
replace: orclpurgeenable
orclpurgeenable: 0

dn: cn=perf stats purgeconfig,cn=purgeconfig,cn=subconfigsubentry
changetype: modify
replace: orclpurgeenable
orclpurgeenable: 0

dn: cn=tombstone purgeconfig,cn=purgeconfig,cn=subconfigsubentry
changetype: modify
replace: orclpurgeenable
orclpurgeenable: 0

dn: cn=secrefresh events purgeconfig,cn=purgeconfig,cn=subconfigsubentry
changetype: modify
replace: orclpurgeenable
orclpurgeenable: 0

dn: cn=sysresource events purgeconfig,cn=purgeconfig,cn=subconfigsubentry
changetype: modify
replace: orclpurgeenable
orclpurgeenable: 0

dn: cn=oidstats_config,cn=purgeconfig,cn=subconfigsubentry
changetype: modify
replace: orclpurgeenable
orclpurgeenable: 0

dn: cn=user statistics purgeconfig,cn=purgeconfig,cn=subconfigsubentry
changetype: modify
replace: orclpurgeenable
orclpurgeenable: 0

dn: cn=bindsec stats purgeconfig,cn=purgeconfig,cn=subconfigsubentry
changetype: modify
replace: orclpurgeenable
orclpurgeenable: 0

dn: cn=comparesec stats purgeconfig,cn=purgeconfig,cn=subconfigsubentry
changetype: modify
replace: orclpurgeenable
```

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```
        orclpurgeenable: 0

        dn: cn=comparefailure stats
        purgeconfig,cn=purgeconfig,cn=subconfigsubentry
        changetype: modify
        replace: orclpurgeenable
        orclpurgeenable: 0
```

Premigration Task for Oracle Identity Manager

Perform the following premigration task before you migrate data to Oracle Autonomous Transaction Processing-Shared (ATP-S) database for Oracle Identity Manager.

Login to the source PDB as `ggadmin` user and grant alter session to `<schema_prefix>_SOAINFRA`.

For example:

```
grant alter session to <schema_prefix>_SOAINFRA;
```

Premigration Task for Oracle Forms

Perform the following premigration task before you migrate data to Oracle Autonomous Transaction Processing-Shared (ATP-S) database for Oracle Forms.

If user has created their own user defined schemas, run the commands listed below on the source database as a SYS user:

Example:

```
ALTER USER abc identified by <Schema_Password> account unlock;
GRANT read,write on DIRECTORY test_dir to abc;
commit;
# Export the schemas using expdp
expdp system/<SYS_PASSWORD>@<DB_SID> schemas=abc directory=test_dir
dumpfile=abc_meta.dmp logfile=abc1.log
```

If you exported your users from an on-premises database, run the commands listed below on the target database:

Example:

```
CREATE TABLESPACE "USERS";
Create user abc identified by <Schema_Password> DEFAULT TABLESPACE
USERS TEMPORARY TABLESPACE TEMP;
GRANT UNLIMITED TABLESPACE to abc;
GRANT CONNECT, create view, create table, create procedure, create
trigger, create synonym, create sequence, create type to abc;
commit;
#connect as abc user
connect abc/<password>@fmwatpdedic2_tp;
CREATE TABLE DEPT("DEPTNO" NUMBER(2,0),"DNAME" CHAR(14 BYTE),"LOC"
CHAR(13 BYTE));
```

```
CREATE TABLE EMP("EMPNO" NUMBER(4,0),"ENAME" CHAR(10 BYTE), "JOB" CHAR(9
BYTE), "MGR" NUMBER(4,0),"HIREDATE" DATE,"SAL" NUMBER(7,2),"COMM"
NUMBER(7,2), "DEPTNO" NUMBER(2,0));
commit;
# Drop the current table in the database and recreate the new table as in
the dump file using impdp
impdp admin/<admin_password>@fmwatpdedic2_tp credential=DEF_CRED_NAME /
dumpfile=https://objectstorage.us-ashburn-1.oraclecloud.com/n/atpdpreview2/b/
FormsInstallDBMigration/o/abc_meta.dmp /
TABLE_EXISTS_ACTION=REPLACE
```

Premigration Task for Oracle GoldenGate Veridata

Perform the following premigration task before you migrate data to Oracle Autonomous
Transaction Processing-Shared (ATP-S) databasefor Oracle GoldenGate Veridata.

For Oracle GoldenGate Veridata, create the following roles as a SYS user on the source
database:

```
CREATE ROLE VERIDATA_ROLE;
GRANT CREATE SESSION, CREATE TABLE, CREATE VIEW, CREATE PROCEDURE, CREATE
SYNONYM TO VERIDATA_ROLE;
GRANT VERIDATA_ROLE TO <PREFIX_GIVEN>_STB;
GRANT VERIDATA_ROLE TO <PREFIX_GIVEN>_IAU;
GRANT VERIDATA_ROLE TO <PREFIX_GIVEN>_IAU_APPEND;
GRANT VERIDATA_ROLE TO <PREFIX_GIVEN>_IAU_VIEWER;
GRANT VERIDATA_ROLE TO <PREFIX_GIVEN>_OPSS;
GRANT VERIDATA_ROLE TO <PREFIX_GIVEN>_VERIDATA;
GRANT VERIDATA_ROLE TO <PREFIX_GIVEN>_WLS;
GRANT VERIDATA_ROLE TO <PREFIX_GIVEN>_WLS_RUNTIME;
```

Creating a Backup of the Schema Version Registry

Use the Upgrade Assistant on the on-premises host to create a backup of the existing
schema version registry on the on-premises database.

To create a backup of the schema version registry:

1. Navigate to `$OH/oracle_common/upgrade/bin`.

2. Export `ORACLE_HOME=<Oracle_home>`.

3. Execute `ua -backupRegistry` on your on-premises database, to backup the existing
   schema version registry.

   ```
   ./ua -backupRegistry
   Oracle Fusion Middleware Upgrade Assistant 12.2.1.4.0
   Enter the Database Connect String(host:port/service or host:port:SID or
   TNS connect string):
   myhost.us.example.com:<port_number>/myservice.us.example.com
   Enter the DBA User Name: sys as sysdba
   Enter the DBA Password: <DBA_Password>
   ```

   The schema version registry is saved to `./registry.xml` location.

Creating Migration

A migration contains the parameter settings for running a migration job with Oracle Cloud Infrastructure database migration.

1. Log in to the Oracle GoldenGate instance.

2. Navigate to `/home/opc` to access GoldenGate credentials.

3. Create migration job using the following:

   a. Datapump via Object Storage

   b. Online Replication

   For more information, see Managing Migrations in *Using Oracle Cloud Infrastructure Database Migration Service*.

4. To find the default and temporary tables spaces for all the schemas in each product, run the following commands on the source database:

   • For all products, except Oracle Access Manager, Oracle Identity Manager, and Oracle Internet Directory:

   ```
   select username,default_tablespace,temporary_tablespace from
   dba_users;
   ```

   • For Oracle Identity Manager and Oracle Access Manager:

   ```
   select username,default_tablespace,temporary_tablespace from
   dba_users where username like '<Schema_Prefix>%';
   ```

   • For Oracle Internet Directory:

   ```
   select username,default_tablespace,temporary_tablespace from
   dba_users where username like '<Schema_Prefix>%';
   select username,default_tablespace ,temporary_tablespace from
   dba_users where username like 'ODS%';
   ```

   Map these default and temporary tablespaces obtained in this step to `DATA` and `TEMP` respectively, in the DMS user interface. For more information see Configuring Optional Initial Load Advanced Options in *Using Oracle Cloud Infrastructure Database Migration Service*.

Validating a Migration

Before you can run a job with a migration resource in Oracle Cloud Infrastructure Database Migration, the migration resource must be validated.

1. Validate migration job. For more information, see Validating a Migration in *Using Oracle Cloud Infrastructure Database Migration Service*.

   Ensure to select the following checkboxes while validating the migration job:

   • Run premigration advisor during validation.

   • Continue premigration advisor validation on error.

2. Fix issues found during validation. For more information about known issues and workarounds, see Troubleshooting ATP-S Database Migration .

Excluding Unsupported Objects

You must specify objects to include or exclude from a migration job while you are creating a migration resource.

Few data types are not supported by GoldenGate for replication purpose. These unsupported objects fail during validation phase. Few objects related to Oracle Text Search (OTS) are not supported on the Oracle Autonomous Transaction Processing-Shared (ATP-S) database. So, these unsupported objects must be excluded from online migration and later exported and imported manually using data pump. For more information, see Details of Support for Oracle Data Types and Objects in *Using Oracle GoldenGate for Oracle Database.*

Select **ALL_OBJECTS** view to display the correct **OWNER** and **OBJECT_NAME** values for any objects you want to exclude. For complete information, see Selecting Objects for Migration in *Using Oracle Cloud Infrastructure Database Migration Service.*

To exclude Oracle GoldenGate unsupported objects, see Oracle GoldenGate Unsupported Objects To Be Excluded, and to exclude the objects due to CPAT tool errors, see Objects To Be Excluded from the Migration Job due to CPAT Tool Errors.

> ✎ **Note:**
>
> After the migration is completed, for OTS, the excluded objects are regenerated dynamically.

Migrate Your Data

Register source (both PDB and CDB separately) and target databases to use with Oracle Cloud Infrastructure Database Migration by creating registered database resources. Registered database resources enable networking and connectivity for the source and target databases.

- Performing Migration
  Perform the following steps to migrate data from an on-premises database, for all Oracle Fusion Middleware products except Oracle Identity and Access Management Suite of products.

Performing Migration

Perform the following steps to migrate data from an on-premises database, for all Oracle Fusion Middleware products except Oracle Identity and Access Management Suite of products.

For Oracle Identity and Access Management Suite of products, see Performing Migration for Oracle Identity and Access Management and for Oracle Internet Directory, see Performing Migration for Oracle Internet Directory.

1. Run the migration job. For more information, see Running a Migration Job in *Using Oracle Cloud Infrastructure Database Migration Service.*

2. Pause after the *Monitor Replication Lag* phase for the transaction replication to continue during the waiting state.

3. Migrate the excluded objects manually using Oracle Data Pump `expdp` and `impdp` commands.

   See step 5 in Preparing the Source Database for Migration. For the user privileges, see Table A-1 for each product.

   To create a parameter in the `<DB $OH>` directory, see Table A-2.

4. Export all schemas at once using the `expdp` command.

   Example:

   ```
   ./expdp ggadmin/<ggadmin_password>@<PDB_connect_string>
   dumpfile=dump_tables.dmp
   logfile=<logfilename>.log directory=<DPDIR>
   parfile=<parfilename>.par full=y
   ```

   To export the MDS (Metadata Services) schema individually, run the following command:

   Example:

   ```
   ./expdp <schema_prefix>_MDS/
   <MDS_schema_password>@<PDB_connect_string> directory=<DPDIR>
   dumpfile=<dumpfilename>.dmp logfile=<logfilename>.log
   parfile=<parfilename>.par
   ```

   For the `expdp` commands for each product, see Table A-3.

5. After the export, for *MDS* schema, do the following:

   a. Generate `sqlfile` to validate the contents before executing import on ATP-S.

   ```
   impdp <schema_prefix>_MDS/
   <MDS_schema_password>@<PDB_connect_string>
   dumpfile=<dumpfilename>.dmp sqlfile=<DPDIR>:<filename>_imp.sql
   ```

   where, `dumpfilename.dmp` is the dump file from the `expdp` command of MDS schema in step 4.

   b. Execute the SQL command as a `SYS` or `ggadmin` user in PDB.

   ```
   sqlplus > select
   dbms_metadata.get_ddl('TABLE','TABLE_NAME','<schema_prefix>_MDS')
    from dual;
   ```

   > **✎ Note:**
   >
   > Verify the results of the above query with the contents of `<filename>_imp.sql` in `/u01/app/oracle/product/19.0.0.0/dbhome_1/rdbms/log/<DPDIR>`. Both the results must be same.

6. Upload the dumpfile into cloud object storage and copy the path.

7. Import the data dump file to an ATP-S database for your schemas.

   a. Set the following environment variables on the Oracle Cloud Infrastructure (OCI) host on which you have installed your Oracle Fusion Middleware product.

   ```
   cd /usr/lib/oracle/21/client64/bin
   export LD_LIBRARY_PATH=/usr/lib/oracle/21/client64/
   lib:$LD_LIBRARY_PATH
   export PATH=/usr/lib/oracle/21/client64/bin:$PATH
   export TNS_ADMIN=<ATP-S_wallet_location>
   /sqlplus /nolog
   connect admin/
   <admin_password>@<ATP_databasename>
   ```

   b. Create credentials.

   ```
   BEGIN
     DBMS_CLOUD.CREATE_CREDENTIAL(
     credential_name => '<DEF_CRED_NAME>',
     username => '<OCI_Username>',
     password => '<Your_Auth_Token_Here>'
     );
   END;
   /
   ```

   c. Remap the tablespaces using the `impdp` command.

   Example:

   ```
   impdp admin/<admin_password>@<ATP_databasename>
   credential=def_cred_name dumpfile=
   <dump_file_cloud_object_storage_location>.dmp
   REMAP_TABLESPACE=<schema_prefix>_SCHEMA:DATA
   REMAP_TABLESPACE=<schema_prefix>_IAS_TEMP:TEMP
   ```

   For the `impdp` commands for each product, see Table A-3.

   d. For *MDS*, test if the MDS purge path table is imported successfully.

   ```
   select table_name from dba_tables where owner='<schema_prefix>_MDS'
   and table_name like 'MDS_PURGE_PATHS';
   ```

You must now restore the schema version registry, rewire the domain with the target ATP-S target database that you created, update the configuration files, restart servers, and perform sanity check. See Restoring the Schema Version Registry, Rewiring the Domain with the ATP-S Target Database, Updating the Configuration Files , Restarting the Servers , and Performing Sanity Check .

- Performing Migration for Oracle Identity and Access Management
  Perform the following steps to migrate data from an on-premises database for
  Oracle Identity and Access Management products, Oracle Access Manager (OAM)
  and Oracle Identity Manager (OIM).

- Performing Migration for Oracle Internet Directory
  Perform the following steps to migrate data from an on-premises database for
  Oracle Internet Directory

Performing Migration for Oracle Identity and Access Management

Perform the following steps to migrate data from an on-premises database for Oracle
Identity and Access Management products, Oracle Access Manager (OAM) and
Oracle Identity Manager (OIM).

1. Run the migration job. For more information, see Running a Migration Job in *Using
   Oracle Cloud Infrastructure Database Migration Service*.

2. Pause after the *Monitor Replication Lag* phase for the transaction replication to
   continue during the waiting state.

3. Rewire the domain with the Oracle Autonomous Transaction Processing-Shared
   (ATP-S) database. See Rewiring the Domain with the ATP-S Target Database.

4. Stop all services related to your domain on the source database. This stops all the
   workload on the source database.

5. Migrate the excluded objects manually using Oracle Data Pump `expdp` and `impdp`
   commands.

   a. On the on-premises database, navigate to `<DB $OH>`.

   ```
   cd <DB $OH>/rdbms/log
   mkdir <DPDIR>
   ```

   b. Login to source PDB as `ggadmin` user and execute the following sql:

   ```
   CREATE OR REPLACE directory <DPDIR> as '/u01/app/oracle/product/
   19.0.0.0/dbhome_1/rdbms/log/<DPDIR>';
   SELECT OWNER,directory_path from dba_directories where
   directory_name like '<DPDIR>';
   GRANT READ,WRITE ON DIRECTORY <DPDIR> to <List_of_schemas>;
   #For the list of schemas, see Table A-1 for each product.
   ```

   c. Create a parameter file in the `<DB $OH/>`/bin directory.

   ```
   # Sample contents of par file of included tables are:
   INCLUDE=TABLE:"IN (<TABLE_NAMES>)"
   #For list of tables, see Table A-2 for each product.
   ```

6. Export all schemas at once using the `expdp` command.

   Example:

   ```
   ./expdp ggadmin/<ggadmin_password>@<PDB_connect_string>
   dumpfile=<dumpfilename>.dmp
   ```

```
logfile=<logfilename>.log directory=<DPDIR> parfile=<parfilename>.par
full=y
```

> **Note:**
>
> For OAM, you need to export only the MDS schema.

To export the MDS (Metadata Services) schema individually, run the following command:

Example:

```
./expdp <schema_prefix>_MDS/<MDS_schema_password>@<PDB_connect_string>
directory=<DPDIR> dumpfile=<dumpfilename>.dmp logfile=<logfilename>.log
parfile=<parfilename>.par
```

For the `expdp` commands for OAM and OIM, see Table A-3.

7. After the export, for *MDS* schema, do the following:

   a. Generate `sqlfile` to validate the contents before executing import on ATP-S.

      ```
      impdp <schema_prefix>_MDS/<MDS_schema_password>@<PDB_connect_string>
      dumpfile=<dumpfilename>.dmp sqlfile=<DPDIR>:<filename>_imp.sql
      ```

      where, `dumpfilename.dmp` is the dump file from the `expdp` command of MDS schema in step 6.

   b. Execute the SQL command as a `SYS` or `ggadmin` user in PDB.

      ```
      sqlplus > select
      dbms_metadata.get_ddl('TABLE','TABLE_NAME','<schema_prefix>_MDS')
      from dual;
      ```

      > **Note:**
      >
      > Verify the results of the above query with the contents of
      > `<filename>_imp.sql` in `/u01/app/oracle/product/19.0.0.0/dbhome_1/`
      > `rdbms/log/<DPDIR>`. Both the results must be same.

8. Upload the dumpfile into cloud object storage and copy the path.

9. Import the data dump file to an ATP-S database for your schemas.

   a. Set the following environment variables on the Oracle Cloud Infrastructure (OCI) host on which you have installed your Oracle Fusion Middleware product.

      ```
      cd /usr/lib/oracle/21/client64/bin
      export LD_LIBRARY_PATH=`/usr/lib/oracle/21/client64/
      lib:$LD_LIBRARY_PATH
      export PATH=/usr/lib/oracle/21/client64/bin:$PATH
      export TNS_ADMIN=<ATP-S_wallet_location>
      ```

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```
./sqlplus /nolog
connect admin/<admin_password>@<ATP_databasename>
```

b. Create credentials.

```
BEGIN
  DBMS_CLOUD.CREATE_CREDENTIAL(
  credential_name => '<DEF_CRED_NAME>',
  username => '<OCI_Username>',
  password => '<Your_Auth_Token_Here>'
  );
END;
/
```

c. Remap the tablespaces using the `impdp` command.

> **Note:**
>
> If the dump file is not accessible, then create a pre-auth request for
> the dump file. See To create a pre-authenticated request for a
> specific object in Oracle Cloud Infrastructure documentation.

Example:

```
impdp admin/<admin_password>@<ATP_database_name>
credential=def_cred_name dumpfile=
<dump_file_cloud_object_storage_location>.dmp
REMAP_TABLESPACE=<schema_prefix>_SCHEMA:DATA
REMAP_TABLESPACE=<schema_prefix>_IAS_TEMP:TEMP
```

For the `impdp` commands for OAM and OIM, see Table A-3.

d. For *MDS*, test if the MDS purge path table is imported successfully.

```
select table_name from dba_tables where
owner='<schema_prefix>_MDS' and table_name like
'MDS_PURGE_PATHS';
```

After you export and import the tables, resume the job at the *Switchover* phase. Once
the *Switchover* phase is completed, pause the job before the *Cleanup* phase.
You must now restore the schema version registry, update the configuration files,
restart servers, perform postmigration tasks for OAM and OIM, and perform sanity
check. See Restoring the Schema Version Registry, Updating the Configuration Files ,
Restarting the Servers , Postmigration Tasks for Oracle Access Manager ,
Postmigration Tasks for Oracle Identity Manager , and Performing Sanity Check .

Performing Migration for Oracle Internet Directory

Perform the following steps to migrate data from an on-premises database for Oracle
Internet Directory

1. Run the migration job. For more information, see Running a Migration Job in *Using Oracle Cloud Infrastructure Database Migration Service*.

2. Pause after the *Monitor Replication Lag* phase for the transaction replication to continue during the waiting state.

3. Stop all services related to your domain on the source database. This stops all the workload on the source database.

4. Log in to the Oracle Autonomous Transaction Processing-Shared (ATP-S) database as an *admin* user and modify the constraints present in the table using the following commands:

    a. ```
        SELECT TABLE_NAME, CONSTRAINT_NAME, CONSTRAINT_TYPE, STATUS,
        VALIDATED,
        LAST_CHANGE FROM DBA_CONSTRAINTS WHERE OWNER = 'ODS' and
        TABLE_NAME='CT_ORCLNORMDN' and status='DISABLED' and
        VALIDATED='VALIDATED';
        ```

    b.  ```
        ALTER TABLE ODS.CT_ORCLNORMDN modify constraint
        <CONSTRAINT_NAME_Obtained_From_Step a> novalidate;
        ```

Resume the job at the *Switchover* phase. Once the *Switchover* phase is completed, pause the job before the *Cleanup* phase.
You must now perform the postmigration tasks and perform sanity check. See Postmigration Tasks for Oracle Internet Directory and Performing Sanity Check .

> **Note:**
>
> After migrating data from an on-premises database, you don't need to rewire the domain with the ATP-S target database that you created as rewiring is performed as part of the postmigration tasks for Oracle Internet Directory.

Restoring the Schema Version Registry

To migrate schema version registry from an on-premises database to an Oracle Autonomous Transaction Processing-Shared (ATP-S) database, you must restore the schema version registry on your shared autonomous database.

> **Note:**
>
> The following topic is applicable when you migrate data from an on-premises database to ATP-S database using Database Migration (DMS) service.

To restore the schema version registry to your ATP-S database

1. Navigate to `$OH/oracle_common/upgrade/bin`.

2. Apply the OPatch 32089134 for `ua restoreRegistry`, and the patches 31676526 and 30540494 applicable to an Autonomous Transaction Processing database. See Applying Patches on Oracle Home in *Creating Schemas with the Repository Creation Utility*.

3. Set the following environment variable:

```
export UA_PROPERTIES="-Doracle.jdbc.fanEnabled=false"
```

If you do not set this environment variable, you will see the error, `SEVERE: attempt to configure ONS in FanManager failed with oracle.ons.NoServersAvailable: Subscription time out.`

4. Execute `ua -restoreRegistry` on the ATP-S database.

```
[opc@fmw-atps-3 bin]$ cd <OH>/oracle_common/upgrade/bin
[opc@fmw-atps-3 bin]$ export ORACLE_HOME=<OH>
[opc@fmw-atps-3 bin]$ ./ua -restoreRegistry
Oracle Fusion Middleware Upgrade Assistant 12.2.1.4.0
Enter location of Schema Version Registry backup file:
<OH>/oracle_common/upgrade/bin/registry.xml
Restoring from <OH>/oracle_common/upgrade/bin/registry.xml
Enter prefix or * for list:
<schema_prefix>
Enter the Database Connect String:
(host:port/service or host:port:SID or TNS connect string)
jdbc:oracle:thin:@<ATP_databasename>?TNS_ADMIN=<ATP-
S_wallet_location>
Enter the DBA User Name:
ADMIN
Enter the DBA Password:
<Date Time> oracle.simplefan.impl.FanManager configure
Schema Version Registry restored from <OH>/oracle_common/
upgrade/bin/registry.xml
Rows removed: 0. Rows inserted: 6
```

> **Note:**
>
> You must enter the complete location of the `registry.xml` file and pass the complete database connect string.

Complete the Postmigration Tasks

After migrating data from an on-premises database to an Oracle Autonomous Transaction Processing-Shared (ATP-S) database, perform the tasks described in this section. Some of these tasks apply to specific schemas.

> **Note:**
>
> The following topics are applicable when you migrate data from an on-premises database to ATP-S database using Database Migration (DMS) service.

- **Postmigration Tasks for Oracle Internet Directory**
  Perform the postmigration steps described in this section after migrating data from an on-premises database to an Oracle Autonomous Transaction Processing-Shared (ATP-S) database for Oracle Internet Directory (OID).

- **Postmigration Tasks for Oracle Data Integrator**
  Perform the postmigration steps described in this section after migrating data from an on-premises database to an Oracle Autonomous Transaction Processing-Shared (ATP-S) database for Oracle Data Integrator (ODI).

- **Rewiring the Domain with the ATP-S Target Database**
  You must rewire the datasources in the Oracle Fusion Middleware domain with the newly created ATP-S target database. This step is applicable for all products except Oracle Internet Directory.

- **Updating the Configuration Files**
  Follow the steps in this section to update the `config.xml` configuration file, and the Oracle Platform Security Services (OPSS) configuration files, `jps-config.xml` and `jps-config-jse.xml` files in the Oracle Cloud Infrastructure Database Migration domain host. This step is applicable for all products except Oracle Internet Directory.

- **Restarting the Servers**
  After the migration of your data from on-premises to an Oracle Autonomous Transaction Processing-Shared (ATP-S) database, restart all processes and servers, including the Administration Servers and any Managed Servers.

- **Postmigration Tasks for Oracle Access Manager**
  Perform the postmigration steps described in this section only if the default store gets updated to Embedded LDAP provided it was defined to a different Oracle Access Manager (OAM) ID Store before migration.

- **Postmigration Tasks for Oracle Identity Manager**
  Perform the postmigration steps described in this section after migrating data from an on-premises database to an Oracle Autonomous Transaction Processing-Shared (ATP-S) database for Oracle Identity Manager (OIM).

- **Performing Sanity Check**
  After the migration of data from your on-premises to an Oracle Autonomous Transaction Processing-Shared (ATP-S) database, verify the application URLs, and ensure that data is accessible from the application.

Postmigration Tasks for Oracle Internet Directory

Perform the postmigration steps described in this section after migrating data from an on-premises database to an Oracle Autonomous Transaction Processing-Shared (ATP-S) database for Oracle Internet Directory (OID).

1. Set the following environment variable before restoring registry:

   ```
   export UA_PROPERTIES= -Doracle.jdbc.fanEnabled=false
   ```

   If you do not set this environment variable, you see the error, `SEVERE: attempt to configure ONS in FanManager failed with oracle.ons.NoServersAvailable: Subscription time out.`

2. Create wallet for ATP-S database.

   a. Copy wallet files to `$OH/network/admin`.

b. Update `sqlnet.ora` file to point to your wallet location: `$OH/network/admin`.

c. Update `ojdbc.properties` by adding `SSL_SERVER_DN_MATCH=yes` at the end of the file.

3. Apply the OPatch 32089134 for `ua restoreRegistry`, and the patches 30540494 and 31676526 applicable to an Autonomous Transaction Processing database, and restore schema version registry to `TNS_ADMIN=<OH>/network/admin`. For more information, see Applying Patches on Oracle Home in *Creating Schemas with the Repository Creation Utility*.

```
[opc@fmw-atps-3 bin]$ cd <OH>/oracle_common/upgrade/bin
[opc@fmw-atps-3 bin]$ export ORACLE_HOME=<OH>
[opc@fmw-atps-3 bin]$ ./ua -restoreRegistry
Oracle Fusion Middleware Upgrade Assistant 12.2.1.4.0

Enter location of Schema Version Registry backup file:
<OH>/oracle_common/upgrade/bin/registry.xml
Restoring from <OH>/oracle_common/upgrade/bin/registry.xml

Enter prefix or * for list:
schema_prefix

Enter the Database Connect String:
(host:port/service or host:port:SID or TNS connect string)
jdbc:oracle:thin:@<ATP_databasename>?TNS_ADMIN=<$OH>/network/admin
Enter the DBA User Name:
ADMIN
Enter the DBA Password:
<Date> oracle.simplefan.impl.FanManager configure
Schema Version Registry restored from <OH>/oracle_common/
upgrade/bin/registry.xml
Rows removed: 0. Rows inserted: 6.
```

4. Update data sources xml files in the `<Domain_home>/config/jdbc/` directory:

- `opss-audit-jdbc.xml`

- `opss-datasource-jdbc.xml`

- `LocalSvcTblDataSource-jdbc.xml`

- `opss-auditview-jdbc.xml`

- `WLSSchemaDataSource-jdbc.xml`

Replace on-premises database URL in the URL property of the above xml files with ATP-S database as shown below:

```
jdbc:oracle:thin:@<entry for tns_alias in tnsnames.ora of wallet>
```

For example:

```
jdbc:oracle:thin:@(description=(retry_count=20)(retry_delay=3)
(address=(protocol=<protocol_name>)(port=<port_number>)
(host=<host_name>))
(connect_data=(service_name=<service_name>.adb.oraclecloud.com))
```

```
(security=(ssl_server_cert_dn="CN=adwc.uscom-east-1.oraclecloud.com,
OU=Oracle BMCS US, O=Oracle Corporation, L=Redwood City, ST=California,
C=US")))
```

5. Update `jps-config.xml` and `jps-config-jse.xml` files:

   a. Navigate to `$Domain_home/config/fmwconfig` directory.

   b. Replace `jdbc.url` property with the new connection string in `jps-config.xml` file.

   c. Replace `jdbc.url` and `audit.loader.jdbc.string` property with the new connection string in `jps-config-jse.xml` file.

   Here, we are providing a sample connection string for ATP-S database as an example.

```
"jdbc:oracle:thin:@(description=(retry_count=20)(retry_delay=3)
(address=(protocol=tcps)(port=1522)
(host=pwyo5vyh.adb.us-ashburn-1.oraclecloud.com))
(connect_data=(service_name=eotvufbvvdwnwko_fmwoid_tpurgent.adb.oracleclou
d.com))
(security=(ssl_server_cert_dn="CN=adwc.uscom-east-1.oraclecloud.com,
OU=Oracle BMCS US, O=Oracle Corporation, L=Redwood City,
ST=California, C=US")))"
```

> **Note:**
>
> Ensure to replace double quotes (") inside the above sample connection string with `"` as shown below:

```
"jdbc:oracle:thin:@(description=(retry_count=20)(retry_delay=3)
(address=(protocol=tcps)(port=1522)
(host=pu77bvpd.adb.us-ashburn-1.oraclecloud.com))
(connect_data=(service_name=eotvufbvvdwnwko_fmwatpsim_tp.adb.oraclecloud.c
om))
(security=(ssl_server_cert_dn=&quot;CN=adwc.uscom-east-1.oraclecloud.com,
OU=Oracle BMCS US, O=Oracle Corporation, L=Redwood City,
 ST=California, C=US&quot;)))"
```

6. Copy wallet files from `<OH>/network/admin` to `<Domain_home>/config/fmwconfig/components/OID/config` except `tnsnames.ora`.

7. Update `sqlnet.ora` to point to the new wallet location: `<Domain_home>/config/fmwconfig/components/OID/config`.

8. Replace contents of `tnsnames.ora` in `<Domain_home>/config/fmwconfig/components/OID/config` with `OIDDB=<connect string for service name of ATP-S database>`.

   For example:

```
OIDDB=(description=(retry_count=20)(retry_delay=3)
(address=(protocol=tcps)(port=1522)(host=pu77bvpd.adb.us-
ashburn-1.oraclecloud.com))
(connect_data=(service_name=eotvufbvvdwnwko_fmwatpsim_tp.adb.oraclecloud.c
```

```
om))
(security=(ssl_server_cert_dn="CN=adwc.uscom-
east-1.oraclecloud.com,
OU=Oracle BMCS US, O=Oracle Corporation, L=Redwood City,
ST=California, C=US")))
```

9. Copy all the wallet files from `<Domain_home>/config/fmwconfig/components/OID/config` to the all OID instance config locations created before migration.

   For example, if there are two instances then copy from `<Domain_home>/config/fmwconfig/components/OID/config` to the following locations:

   • `<Domain_home>/config/fmwconfig/components/OID/oid1/config` replacing `tnsnames.ora` in this location.

   • `<Domain_home>/config/fmwconfig/components/OID/oid2/config` replacing `tnsnames.ora` in this location.

10. Set `TNS_ADMIN` to `<Domain_home>/config/fmwconfig/components/OID/config` and `startnodemanager`.

11. On a separate terminal, set `TNS_ADMIN` to `<Domain_home>/config/fmwconfig/components/OID/config` and start the **Administration Server**.

12. Log in to ATP-S database as `ODS` user.

```
SQL > ALTER PACKAGE OLADD COMPILE;
SQL > @<OH>/oid/common/sql/oid/scripts/ldapxpkg.sql;
```

13. Set environment variables and run the cleanup commands.

    Assuming that user has created two `oid` instances prior to migration: `oid1` and `oid2`, perform the steps shown in the following example:

```
[opc@fmw-atps-3 bin]$ export JAVA_HOME=<JAVA_HOME>
[opc@fmw-atps-3 bin]$ export ORACLE_HOME=<ORACLE_HOME>
[opc@fmw-atps-3 bin]$ export DOMAIN_HOME=<DOMAIN_HOME>
[opc@fmw-atps-3 bin]$ export WL_HOME=<Oracle_home>/wlserver
[opc@fmw-atps-3 bin]$ export
PATH=$JAVA_HOME/bin:$ORACLE_HOME/bin:$ORACLE_HOME/ldap/
bin:$DOMAIN_HOME/bin:$PATH
[opc@fmw-atps-3 bin]$ export INSTANCE_NAME=oid1
[opc@fmw-atps-3 bin]$ export COMPONENT_NAME=oid1
[opc@fmw-atps-3 bin]$ oidctl connect=oiddb cleanup
[opc@fmw-atps-3 bin]$ oidctl connect=oiddb cleanup
[opc@fmw-atps-3 bin]$ export COMPONENT_NAME=oid2
[opc@fmw-atps-3 bin]$ oidctl connect=oiddb cleanup
[opc@fmw-atps-3 bin]$ oidctl connect=oiddb cleanup
```

> **Note:**
>
> Perform the cleanup two times for each instance. If you face any issues in running `oid` cleanup, see Issues in running `oid` cleanup.

14. Use the WLST online command to start `oid` instance.

    For example:

    ```
    start('oid1')
    ```

15. Restore the original values of *orclpurgeenable* using `ldapmodify` command and the
    `original_purge_config.ldif`.

    ```
    ldapmodify -p <nonssl_ldap_port> -D cn=orcladmin -w <password> -f
    original_purge_config.ldif
    ```

    Example contents of `original_purge_config.ldif` file:

    ```
    dn: cn=changelog purgeconfig, cn=purgeconfig, cn=subconfigsubentry
    changetype: modify
    replace: orclpurgeenable
    orclpurgeenable: 1

    dn: cn=general stats purgeconfig,cn=purgeconfig,cn=subconfigsubentry
    changetype: modify
    replace: orclpurgeenable
    orclpurgeenable: 1

    dn: cn=health stats purgeconfig,cn=purgeconfig,cn=subconfigsubentry
    changetype: modify
    replace: orclpurgeenable
    orclpurgeenable: 1

    dn: cn=perf stats purgeconfig,cn=purgeconfig,cn=subconfigsubentry
    changetype: modify
    replace: orclpurgeenable
    orclpurgeenable: 1

    dn: cn=tombstone purgeconfig,cn=purgeconfig,cn=subconfigsubentry
    changetype: modify
    replace: orclpurgeenable
    orclpurgeenable: 1

    dn: cn=secrefresh events purgeconfig,cn=purgeconfig,cn=subconfigsubentry
    changetype: modify
    replace: orclpurgeenable
    orclpurgeenable: 1

    dn: cn=sysresource events purgeconfig,cn=purgeconfig,cn=subconfigsubentry
    changetype: modify
    replace: orclpurgeenable
    orclpurgeenable: 1

    dn: cn=oidstats_config,cn=purgeconfig,cn=subconfigsubentry
    changetype: modify
    replace: orclpurgeenable
    orclpurgeenable: 0
    ```

ORACLE

```
dn: cn=user statistics
purgeconfig,cn=purgeconfig,cn=subconfigsubentry
changetype: modify
replace: orclpurgeenable
orclpurgeenable: 1

dn: cn=bindsec stats purgeconfig,cn=purgeconfig,cn=subconfigsubentry
changetype: modify
replace: orclpurgeenable
orclpurgeenable: 1

dn: cn=comparesec stats
purgeconfig,cn=purgeconfig,cn=subconfigsubentry
changetype: modify
replace: orclpurgeenable
orclpurgeenable: 1

dn: cn=comparefailure stats
purgeconfig,cn=purgeconfig,cn=subconfigsubentry
changetype: modify
replace: orclpurgeenable
orclpurgeenable: 1
```

You must now perform sanity check. See Performing Sanity Check .

Postmigration Tasks for Oracle Data Integrator

Perform the postmigration steps described in this section after migrating data from an on-premises database to an Oracle Autonomous Transaction Processing-Shared (ATP-S) database for Oracle Data Integrator (ODI).

Change the work repository connection URL setting in ODI Studio by connecting to the master repository and changing the work repository details.

1. Connect to the Master repository with valid credentials.

2. To open the work repository, click **Topology** and then click **WORK_REPO**.

3. Click **Connection Information** of the Work repository and update the connection string.

   Example connection string:

   ```
   jdbc:oracle:thin:@<<connect_name>?TNS_ADMIN=/home/opc/WalletDB
   ```

4. Save and test the connection.

5. In the Login screen, choose the Work repository and proceed with login.

Rewiring the Domain with the ATP-S Target Database

You must rewire the datasources in the Oracle Fusion Middleware domain with the newly created ATP-S target database. This step is applicable for all products except Oracle Internet Directory.

To rewire the domain:

1. Log in to the WebLogic console.

2. Under **Services**, click **Datasources**.

3. Update all the data sources connect string with ATP-S database connection string.

   The connect sting format is `jdbc:oracle:thin:@TNS_alias?`
   `TNS_ADMIN=<path_of_the_wallet_files, ojdbc.properties, and tnsnames.ora>`

Updating the Configuration Files

Follow the steps in this section to update the `config.xml` configuration file, and the Oracle Platform Security Services (OPSS) configuration files, `jps-config.xml` and `jps-config-jse.xml` files in the Oracle Cloud Infrastructure Database Migration domain host. This step is applicable for all products except Oracle Internet Directory.

1. To update the `config.xml` file:

   a. Navigate to the directory, `$DOMAINHOME/config` on the OCI domain host.

   b. If the RDBMS security store is enabled in the on-premises domain, update the `config.xml` file in one of the following ways:

   - In the WebLogic Server Administration Console, go to **Security Realms**, select the *RealmName*, click **RDBMS Security Store**, and update the RDBMS connection configuration.

   - Use the WebLogic Scripting Tool (WLST).

     > **Note:**
     >
     > For `sec:connection-url`, update `jdbc:oracle:thin:@@//`
     > `dbserver:listener_port/DB_ServiceName` with the new database
     > location, `jdbc:oracle:thin:@TNS_alias?`
     > `TNS_ADMIN=<path_of_the_wallet_files, ojdbc.properties, and`
     > `tnsnames.ora>`.

     Example command to update the `config.xml` file:

     ```
     store = realm.getRDBMSSecurityStore()
     store.setUsername('<Db_SchemaUser>')
     store.setPassword('<Db_SchemaPassword>')
     store.setConnectionURL('jdbc:oracle:thin:@TNS_alias?
     TNS_ADMIN=<path_of_the_wallet_files, ojdbc.properties, and
     tnsnames.ora>')
     store.setDriverName('<driverName>')
     ```

     Example of `config.xml` after update:

     ```
     <sec:rdbms-security-store>
         <sec:username><Db_SchemaUser></sec:username>
         <sec:password-encrypted><Db_SchemaPassword></sec:password-
     encrypted>
         <sec:connection-url>jdbc:oracle:thin:@TNS_alias?
     TNS_ADMIN=<path_of_the_wallet_files, ojdbc.properties, and
     tnsnames.ora>
     ```

```
        <sec:driver-name><driverName></sec:driver-name>
    </sec:rdbms-security-store>
```

2. To update the `jps-config.xml` and `jps-config-jse.xml` files:

   a. Navigate to `$DOMAINHOME/config/fmwconfig` directory on the OCI domain host.

   b. In the `jps-config.xml`, replace `jdbc.url` property with the new connection string.

   ```
   jdbc:oracle:thin:@TNS_alias?TNS_ADMIN=<path_of_the_wallet_files,
   ojdbc.properties, and tnsnames.ora>
   ```

   Example:

   ```
   jdbc:oracle:thin:@fmwatpsim_tp?TNS_ADMIN=/home/opc/
   ```

   c. In the `jps-config-jse.xml`, replace `jdbc.url` and `audit.loader.jdbc.string` property with the new connection string.

   During migration, if you have changed the OPSS password in your Oracle Autonomous Transaction Processing-Shared (ATP-S) database, execute the following WebLogic Scripting Tool (WLST) commands in offline mode:

   ```
   cd <Domain_Home>/oracle_common/common/bin./wlst.sh

   Initializing WebLogic Scripting Tool (WLST) ...Jython scans all
   the jar files it can find at first startup.
   Depending on the system, this process may take a few minutes to
   complete, and WLST may not return a prompt right away.
   Welcome to WebLogic Server Administration Scripting Shell Type
   help() for help on available commands

   modifyBootStrapCredential(jpsConfigFile="<Domain_Home>/config/
   fmwconfig/jps-config-jse.xml",
   username="<Prefix>_OPSS", password="<New_Password>")
   ```

3. Save the changes.

   You must now restart the servers. See Restarting the Servers . This step is applicable for all products except Oracle Internet Directory.

Restarting the Servers

After the migration of your data from on-premises to an Oracle Autonomous Transaction Processing-Shared (ATP-S) database, restart all processes and servers, including the Administration Servers and any Managed Servers.

> **✎ Note:**
>
> This step is applicable for all products except Oracle Internet Directory

See Starting and Stopping Administration and Managed Servers and Node Manager in *Administering Oracle Fusion Middleware*.

For Oracle Access Manager, benign error messages are displayed. See Error when restarting servers.

Postmigration Tasks for Oracle Access Manager

Perform the postmigration steps described in this section only if the default store gets updated to Embedded LDAP provided it was defined to a different Oracle Access Manager (OAM) ID Store before migration.

Before you perform the postmigration tasks, you must restore the schema version registry, update the configuration files, and restart the servers. See Restoring the Schema Version Registry, Updating the Configuration Files , and Starting and Stopping Administration and Managed Servers and Node Manager.

1. Set the following environment variables:

```
$ORACLE_HOME = Set to the OAM Oracle Home location
$DOMAIN_HOME = Set to the OAM Domain Home location
$DB_ORACLE_HOME = Set to the Database Oracle Home location
$JAVA_HOME = Set to the JAVA location
```

> **✎ Note:**
>
> These environment variables may have to be changed to meet specific environments needs if the database is not on the same machine where the OAM server is installed. In such cases, the `$DB_ORACLE_HOME` path cannot be used to locate the `ojdbc8.jar`.

2. Export `oam-config.xml` file from the on-premises database.

```
<JAVA_HOME>/bin/java -cp <ORACLE_HOME>/idm/oam/server/tools/config-
utility/config-utility.jar:<ORACLE_HOME>/oracle_common/modules/
oracle.jdbc/ojdbc8.jar
oracle.security.am.migrate.main.ConfigCommand $DOMAIN_HOME export
<FILE_LOCATION>/prop.properties
Sep 22, 2017 1:59:40 PM
oracle.security.am.migrate.main.command.CommandFactory getCommand
INFO: executable operation: export
oam.exportDirPath=<DIRECTORY_PATH>
oam.exportedFile=oam-config.xml
oam.operation.time=2077
```

The `oam-config.xml` file exported to the `<FILE_LOCATION>` directory.

3. Check for the system and default stores in the exported `oam-config.xml` file and match with the changes made in the console before upgrade.

> **Note:**
>
> Do not modify the version of the `oam-config.xml` file.

4. Import the updated `oam-config.xml` file back to the database.

```
<JAVA_HOME>/bin/java -cp <ORACLE_HOME>/idm/oam/server/tools/config-
utility/config-utility.jar:<ORACLE_HOME>/oracle_common/modules/
oracle.jdbc/ojdbc8.jar
oracle.security.am.migrate.main.ConfigCommand <DOMAIN_HOME> import
<FILE_LOCATION>/prop.properties
Sep 22, 2017 3:12:51 PM
oracle.security.am.migrate.main.command.CommandFactory getCommand
INFO: executable operation: import
Sep 22, 2017 3:12:53 PM
oracle.security.am.migrate.util.ConfigFileUtil replaceValue
INFO: 70 will be replaced by 71
Sep 22, 2017 3:12:54 PM
oracle.security.am.migrate.operation.ImportConfigOperation invoke
INFO: imported config file version to database:71
oam.importDirPath=<DIRECTORY_PATH>
oam.importedFile=oam-config.xml
oam.importedVersion=71
oam.operation.time=2217
```

You must now perform sanity check. See Performing Sanity Check .

Postmigration Tasks for Oracle Identity Manager

Perform the postmigration steps described in this section after migrating data from an on-premises database to an Oracle Autonomous Transaction Processing-Shared (ATP-S) database for Oracle Identity Manager (OIM).

Before you perform the postmigration tasks, you must restore the schema version registry, update the configuration files, and restart the servers. See Restoring the Schema Version Registry, Updating the Configuration Files , and Starting and Stopping Administration and Managed Servers and Node Manager.

1. Log in to Oracle Identity Manager `sysadmin` console.

2. Create the following configuration properties:

    • **Property Name:** Hierarchical Attributes Support for Entitlements

    • **Keyword:** Catalog.HierarchicalAttributesOfEntitlement

    • **Value:** False

3. Restart the OIM server.

You must now perform sanity check. See Performing Sanity Check .

Performing Sanity Check

After the migration of data from your on-premises to an Oracle Autonomous Transaction Processing-Shared (ATP-S) database, verify the application URLs, and ensure that data is accessible from the application.

After you perform sanity check:

- For Oracle Identity and Access Management Suite of products, Oracle Access Manager, Oracle Identity Manager, and Oracle Internet Directory - Resume the paused job at the *Cleanup* phase and complete migration.

- For other Oracle Fusion Middleware products - Resume the job at the *Switchover* phase, complete the *Switchover* phase and *Cleanup* phase, and complete migration.

3
Migrate Using Data Pump

Migrate data from an on-premises database to an Oracle Autonomous Transaction Processing-Shared (ATP-S) database using Data Pump for Oracle Identity Governance (OIG) and Oracle Access Manager (OAM) products only.

- Performing Migration for Oracle Identity Governance
  Perform the following steps to migrate data from an on-premises database for Oracle Identity Governance (OIG) using Data Pump.
- Performing Migration for Oracle Access Manager
  Perform the following steps to migrate data from an on-premises database for Oracle Access Manager (OAM) using Data Pump.

Performing Migration for Oracle Identity Governance

Perform the following steps to migrate data from an on-premises database for Oracle Identity Governance (OIG) using Data Pump.

> **Note:**
>
> Oracle Identity Governance (OIG) is also referred to as Oracle Identity Manager (OIM).

1. Start SQL*Plus.

   ```
   sqlplus
   ```

2. Connect to the database as *SYS* user with the *SYSDBA* privilege.

   ```
   CONNECT sys/<password> AS SYSDBA
   ```

3. Create a new directory on the database server.

   For example, create the directory, `/scratch/OIM/exportdb`, using the following command:

   ```
   CREATE DIRECTORY exportdb AS '/scratch/OIM/exportdb';
   ```

4. Verify if the directory you created in step 3 is created.

   ```
   CONNECT SYS/<password>
   SELECT directory_name, directory_path FROM dba_directories;
   ```

For example:

```
SELECT exportdb, '/scratch/OIM/exportdb' FROM dba_directories;
```

5. Stop OIM and SOA managed servers.

   See Starting and Stopping Managed Servers in *Administering Oracle Fusion Middleware*.

6. Stop the SOA queues.

```
Connect SOAINFRA_user/<password>;
#get the list of all queues
SELECT name,enqueue_enabled,dequeue_enabled FROM USER_QUEUES where
queue_type ='NORMAL_QUEUE';
```

   To stop all queues, use PL/SQL advance queuing operation.

   Example command:

```
BEGIN
DBMS_AQADM.STOP_QUEUE ('AIA_CAVSCALLBACKJMSQ');
DBMS_AQADM.STOP_QUEUE ('IP_IN_QUEUE');
DBMS_AQADM.STOP_QUEUE ('IP_OUT_QUEUE');
DBMS_AQADM.STOP_QUEUE ('EDN_EVENT_QUEUE');
DBMS_AQADM.STOP_QUEUE ('EDN_OAOO_QUEUE');
DBMS_AQADM.STOP_QUEUE ('EDN_AQJMS_TOPIC');
DBMS_AQADM.STOP_QUEUE ('TASK_NOTIFICATION_Q');
DBMS_AQADM.STOP_QUEUE ('OSB_FTP_TRANSPORT');
DBMS_AQADM.STOP_QUEUE ('OSB_SFTP_TRANSPORT');
DBMS_AQADM.STOP_QUEUE ('OSB_EMAIL_TRANSPORT');
DBMS_AQADM.STOP_QUEUE ('OSB_FILE_TRANSPORT');
DBMS_AQADM.STOP_QUEUE ('OSB_REPORTING_PROVIDER');
DBMS_AQADM.STOP_QUEUE ('OSB_REPORTING_ERROR');
DBMS_AQADM.STOP_QUEUE ('OSB_REPORTING_PURGE');ST
DBMS_AQADM.STOP_QUEUE ('B2B_BAM_QUEUE');
END;
/
```

7. Identify the DBMS_SCHEDULER jobs that are running.

```
#Connect as OIM User
/sqlplus /nolog
SQL> connect OIM_OIM /<password>@<SID>
# Identify the DBMS_SCHEDULER jobs that are running.
SELECT job_name,session_id,running_instance,elapsed_time FROM
user_scheduler_running_jobs;
```

8. If there are any running jobs, wait for the jobs to complete or stop the jobs (Catalog sync and ADF related jobs) gracefully using the following command:

```
BEGIN
   DBMS_SCHEDULER.stop_job('REBUILD_OPTIMIZE_CAT_TAGS');
   END;
   /
```

```
===
   BEGIN
   DBMS_SCHEDULER.stop_job('FAST_OPTIMIZE_CAT_TAGS');
   END;
  /
===
   BEGIN
   DBMS_SCHEDULER.stop_job('PURGE_ADF_BC_TXN_TABLE');
   END;
   /
```

9. For MDS, grant the exempt access policy privilege.

> **Note:**
>
> MDS has Virtual Private Database (VPD) based access policies. So, when you use Data Pump export for MDS, the `ORA-39181` error is displayed in the log output. If you grant exempt access policy, this error is not displayed.

```
CONNECT sys/<password> AS SYSDBA
GRANT EXEMPT ACCESS POLICY TO SYSTEM;
```

10. Exit SQL using the `exit` command.

11. (*Optional*): Shutdown and start the database server.

```
shutdown immediate
startup
```

12. Set the environment variables on the on-premises database host.

```
setenv ORACLE_HOME <DB_$OH>
setenv ORACLE_SID <SID>
setenv PATH $ORACLE_HOME/bin:$PATH
```

where `DB_$OH` is the Oracle_Home of the database and `SID` is the service ID of the database.

13. Export all OIM schemas at once using the `expdp` command.

```
expdp sys/<password>@orcl DIRECTORY=exportdb
SCHEMAS=DEV_STB, DEV_OIM, DEV_UMS, DEV_SOAINFRA, DEV_MDS, DEV_OPSS,
DEV_IAU, DEV_WLS, DEV_IAU_APPEND, DEV_IAU_VIEWER, DEV_WLS_RUNTIME
DUMPFILE=exportdbfull.dmp PARALLEL=4 LOGFILE=exportdbfull.log JOB_NAME=
exportjobfull EXCLUDE=STATISTICS
```

If the schema size is large, you can run the `expdp` command to export each schema individually.

For example, you can export the schema `DEV_OIM` as follows:

```
expdp sys/<password>@orcl DIRECTORY=exportdb SCHEMAS=DEV_OIM
DUMPFILE=DEV_OIM.dmp PARALLEL=4 LOGFILE=exortdevoim.log JOB_NAME=
exportdevoim EXCLUDE=STATISTICS
```

14. Export the `SCHEMA_VERSION_REGISTRY` view and its underlying tables from the `SYSTEM` schema using the Upgrade Assistant.

   a. Navigate to `$OH/oracle_common/upgrade/bin`.

   b. Export `ORACLE_HOME=<Oracle_home>`.

   c. Execute `ua -backupRegistry` on your on-premises database, to backup the existing schema version registry.

```
./ua -backupRegistry
Oracle Fusion Middleware Upgrade Assistant 12.2.1.4.0
Enter the Database Connect String(host:port/service or
host:port:SID or TNS connect string):
<databaseHost>:<listenerPort>/<OIG DB Service Name>
Enter the DBA User Name: sys as sysdba
Enter the DBA Password: <DBA_Password>
```

   The schema version registry is saved to `./registry.xml` location.

15. After the export is successful, perform the following steps:

   a. Get the list of OIM Schema and the dependent schemas.

   b. Get the list of default, temporary tablespace name of OIM Schema, and the names of any other tablespace involved in OIM Schema objects.

```
SELECT DISTINCT tablespace_name,owner FROM dba_segments
WHERE owner IN
('DEV_STB','DEV_OIM','DEV_UMS','DEV_SOAINFRA','DEV_MDS','DEV_OPSS
','DEV_IAU','DEV_WLS', 'DEV_IAU_APPEND', 'DEV_IAU_VIEWER')
```

   c. Retrieve system grants for all schemas.

```
SELECT DBMS_METADATA.GET_GRANTED_DDL ('SYSTEM_GRANT','DEV_OIM')
FROM DUAL;
```

   d. Retrieve object grants for all schemas.

```
SELECT DBMS_METADATA.GET_GRANTED_DDL ('OBJECT_GRANT','DEV_OIM')
FROM DUAL;
```

16. Upload the data dump file to Oracle Cloud Infrastructure (OCI) Object Storage. See Upload the Export Files to Cloud Object Storage in *Oracle Autonomous Database on Dedicated Exadata Infrastructure*.

17. Create the credentials for OCI authentication.

```
BEGIN
  DBMS_CLOUD.CREATE_CREDENTIAL(
    credential_name => 'DEF_CRED_NAME',
```

```
        username => 'ADMIN',
        password => '<admin_password>'
    );
END;
/
```

18. Import the data dump file to the ATP-S database for your schemas.

> **Note:**
>
> If the dump file is not accessible, then create a pre-auth request for the dump file. See To create a pre-authenticated request for a specific object in Oracle Cloud Infrastructure documentation.

Example command:

```
impdp ADMIN/<password>@<SID> credential=DEF_CRED_NAME dumpfile=https://
objectstorage.us-ashburn-1.oraclecloud.com/n/idmocicloudacct/b/OIG/o/
exportdbfull.dmp
REMAP_TABLESPACE=DEV_OIM:DATA REMAP_TABLESPACE=DEV_IAS_UMS:DATA
REMAP_TABLESPACE=DEV_IAS_OPSS:DATA
REMAP_TABLESPACE=DEV_IAU:DATA REMAP_TABLESPACE=DEV_MDS:DATA
REMAP_TABLESPACE=DEV_SOAINFRA:DATA
REMAP_TABLESPACE=DEV_STB:DATA REMAP_TABLESPACE=DEV_WLS:DATA
REMAP_TABLESPACE=DEV_WLS_RUNTIME:DATA
REMAP_TABLESPACE=DEV_IAS_TEMP:TEMP REMAP_TABLESPACE=DEV_OIM_TEMP:TEMP
```

If the schema size is large, you can run the `impdp` command to import each schema individually.

For example, you can import the schema `DEV_OIM_TEMP` as follows:

```
impdp ADMIN/<password>@<SID> credential=DEF_CRED_NAME
dumpfile=https://objectstorage.us-ashburn-1.oraclecloud.com/n/
idmocicloudacct/b/OIG/o/exportdevoim.dmp REMAP_TABLESPACE=DEV_OIM:DATA
REMAP_TABLESPACE=DEV_OIM_TEMP:TEMP
```

19. Import the `SCHEMA_VERSION_REGISTRY` view to the `SYSTEM` schema.

    a. Download and apply the OPatch 32089134 for `ua restoreRegistry` to your OIG Middleware Home location.

    b. Upload the `registry.xml` you created in step 14 to the `<OIG_OH>/oracle_common/upgrade/bin` directory in your OCI environment.

    c. Set the following environment variable:

    ```
    export UA_PROPERTIES="-Doracle.jdbc.fanEnabled=false"
    ```

d. Navigate to the `<OIG_OH>/oracle_common/upgrade/bin` directory and run the `ua -restoreRegistry` on the ATP-S database.

```
./ua -restoreRegistry
Oracle Fusion Middleware Upgrade Assistant 12.2.1.4.0
Enter location of Schema Version Registry backup file:
<OH>/oracle_common/upgrade/bin/registry.xml
Restoring from <OH>/oracle_common/upgrade/bin/registry.xml
Enter prefix or * for list:
<schema_prefix>
Enter the Database Connect String:
(host:port/service or host:port:SID or TNS connect string)
jdbc:oracle:thin:@(description= (retry_count=20)(retry_delay=3)
(address=(protocol=<protocol_name)
(port=<port_number>)(host=<host_name>))
(connect_data=(service_name=<service_name>.adb.oraclecloud.com))
(security=(ssl_server_cert_dn="CN=adwc.uscom-
east-1.oraclecloud.com, OU=Oracle BMCS US, O=Oracle Corporation,
L=Redwood City, ST=California, C=US")))
Enter the DBA User Name:
ADMIN
Enter the DBA Password:
<DBA_Password>
Schema Version Registry restored from <OH>/oracle_common/
upgrade/bin/registry.xml
Rows removed: 0. Rows inserted: 6
```

To view the definition of the public synonym for `schema_version_registry`, on the Workspace home page, click **SQL Workshop** and **Object Browser**, and then select `schema_version_registry`.

20. After the import is successful, perform the following steps:

a. Get the list of invalid schema objects.

```
SELECT owner,object_type,object_name, status FROM dba_objects
WHERE status = 'INVALID'
AND owner in
('DEV_SOAINFRA','DEV_UMS','DEV_MDS','DEV_STB','DEV_OPSS','DEV_IAU
','DEV_WLS','DEV_OIM') ORDER BY owner, object_type, object_name;
```

b. Compile invalid schema objects.
Example command:

```
EXEC DBMS_UTILITY.compile_schema(schema => 'DEV_OIM',
compile_all => false);
```

c. Start the `SOAINFRA DBMS` Queues.

```
Connect SOAINFRA_user/<password>;
#get the list of all queues
SELECT name FROM USER_QUEUES where queue_type='NORMAL_QUEUE';
```

Start the queues one by one using the following command:

```
BEGIN
DBMS_AQADM.START_QUEUE ('OSB_FTP_TRANSPORT');
END;
/
```

You must now rewire the domain to point to Oracle Autonomous Transaction Processing-Shared (ATP-S) database. See Rewiring the Domain with the ATP-S Database.

• Rewiring the Domain with the ATP-S Database
  You must rewire the data sources in the Oracle Fusion Middleware domain with the newly created Oracle Autonomous Transaction Processing-Shared (ATP-S) database.

Rewiring the Domain with the ATP-S Database

You must rewire the data sources in the Oracle Fusion Middleware domain with the newly created Oracle Autonomous Transaction Processing-Shared (ATP-S) database.

1. Access the WebLogic Console.

2. Locate the Change Center and click **Lock & Edit** to lock the editable configuration hierarchy for the domain.

3. Under **Domain Structure**, expand **Services**, and then click **Data Sources**.

4. Click the data source name and under **Connection Pool**, configure the data source as follows:

   a. In the **URL** field, update the connection string to the ATP-S database.
      Example connection string:

      ```
      jdbc:oracle:thin:@(description= (retry_count=20)(retry_delay=3)
      (address=(protocol=<protocol_name)
      (port=<port_number>)(host=<host_name>))
      (connect_data=(service_name=<service_name>.adb.oraclecloud.com))
      (security=(ssl_server_cert_dn="CN=adwc.uscom-east-1.oraclecloud.com,
      OU=Oracle BMCS US, O=Oracle Corporation, L=Redwood City,
      ST=California, C=US")))
      ```

      You must use the database service name, `<databasename>_tpurgent` or `<databasename>_tp`, specified in `tnsnames.ora`. For service name details, see Database Service Names for Autonomous Transaction Processing and Autonomous JSON Database in *Using Oracle Autonomous Database on Shared Exadata Infrastructure*.

   b. In the **Properties** field, add the trust keystore properties as follows:

      ```
      javax.net.ssl.trustStore=<wallet_truststore.jks_location>
      javax.net.ssl.trustStorePassword=<truststore_password>
      javax.net.ssl.keyStore=<wallet_keystore.jks_location>
      javax.net.ssl.keyStorePassword=<keystore_password>
      ```

   c. Save the changes

5. Repeat step 4 to update all data sources.

6. Test the database connection.

   a. Access the Enterprise Manager Console.

   b. Under **WebLogic Domain**, click **JDBC Data Sources**.

   c. Click the data source name and under **Connection Pool**, verify if the Database URL and Properties are updated as in step 4.

   d. Click **Test Database Connection**.

7. Repeat step 6 to test all data sources.

8. Update the **DirectDB URL** in the Enterprise Manager console. This step is optional and is required if you are using a DirectDB connection.

   a. Under **WebLogic Domain**, click **System MBean Browser**.

   b. Navigate to **Application Defined MBeans** > **oracle.iam** > **Server: oim_server1** > **Application: oim** > **XMLConfig** > **Config** > **XMLConfig.DirectDBConfig** > **DirectDB**, and do the following:

   > **Note:**
   >
   > If `oracle.iam` is not displayed, start the Oracle Identity Manager (OIM) server. See Starting and Stopping Managed Servers in *Administering Oracle Fusion Middleware*.

   • On the **Attributes** tab, for **URL**, update the value of the Direct DB config URL as in the following example:

   ```
   jdbc:oracle:thin:@(description= (retry_count=20)
   (retry_delay=3)(address=(protocol=<protocol_name>)
   (port=<port_number>)(host=<host_name>))
   (connect_data=(service_name=<service_name>.adb.oraclecloud.co
   m))
   (security=(ssl_server_cert_dn="CN=adwc.uscom-
   east-1.oraclecloud.com, OU=Oracle BMCS US, O=Oracle
   Corporation, L=Redwood City, ST=California, C=US")))
   ```

   • Under **DirectDB**, navigate to **XMLConfig.DirectDBConfig.SSLConfig** > **SSLConfig**, and on the **Attributes** tab, update the values for **DBTrustStoreType** and **DBTrustStorePasswordKey**. The value for **DBTrustStoreType** should be updated to the full path of the wallet `truststore.jks` file.

9. Update the `jps-config.xml` and `jps-config-jse.xml` files.

   a. Navigate to `$DOMAINHOME/config/fmwconfig` directory on the OIM domain host.

   b. In the `jps-config.xml` file, under `property name="trust.token.IncludeCertificate" value="true"`, replace `jdbc.url` with the connection string to the ATP-S database. Example connection string:

   ```
   <property name=jdbc.url value= 'jdbc:oracle:thin:@(description=
   (retry_count=20)(retry_delay=3)
   ```

```
(address=(protocol=<protocol_name>)
(port=<port_number>)(host=<host_name>))
(connect_data=(service_name=<service_name>.adb.oraclecloud.com))
(security=(ssl_server_cert_dn="CN=adwc.uscom-east-1.oraclecloud.com,
OU=Oracle BMCS US, O=Oracle Corporation, L=Redwood City,
ST=California, C=US")))'>
```

c. In the `jps-config.xml`, file, under `property name="trust.token.IncludeCertificate" value="true"`, add the trust keystore properties as follows:

```
<property name="javax.net.ssl.trustStore"
value="<wallet_truststore.jks_location>"/>
<property name="javax.net.ssl.trustStorePassword"
value="<truststore_password>"/>
<property name="javax.net.ssl.keyStore"
value="<wallet_keystore.jks_location>"/>
<property name="javax.net.ssl.keyStorePassword"
value="<keystore_password>"/>
```

d. Save the changes in the `jps-config.xml` file.

e. In the `jps-config-jse.xml` file, replace `jdbc.url` and `audit.loader.jdbc.string` `property` with the new connection string as in step 9b.

f. In the `jps-config-jse.xml` file, add the trust keystore properties as in step 9c.

g. Save the changes in the `jps-config-jse.xml` file.

You must now restart the servers. See Starting and Stopping Managed Servers in *Administering Oracle Fusion Middleware*.

Performing Migration for Oracle Access Manager

Perform the following steps to migrate data from an on-premises database for Oracle Access Manager (OAM) using Data Pump.

1. Start SQL*Plus.

```
sqlplus
```

2. Connect to the database as *SYS* user with the *SYSDBA* privilege.

```
CONNECT sys/<password> AS SYSDBA
```

3. Get the list of OAM schema users.

```
Select owner,comp_id,version,status from schema_version_registry where
owner like '<Schema_Prefix>%';
```

Example command output:

```
ATPS_IAU      IAU           12.2.1.2.0     VALID
ATPS_IAU_APPEND     IAU_APPEND    12.2.1.2.0     VALID
```

```
ATPS_IAU_VIEWER        IAU_VIEWER     12.2.1.2.0    VALID
ATPS_MDS               MDS            12.2.1.3.0    VALID
ATPS_OAM               OAM            12.2.1.3.0    VALID
ATPS_OPSS              OPSS           12.2.1.0.0    VALID
ATPS_STB               STB            12.2.1.3.0    VALID
ATPS_WLS               WLS            12.2.1.0.0    VALID
```

4. Get the list of OAM schema users with its associated default and temporary tablespace.

```
Select owner,comp_id,version,status from schema_version_registry
where owner like '<Schema_Prefix>%';
```

Example command output:

```
ATPS_OPSS         ATPS_IAS_OPSS      ATPS_IAS_TEMP
ATPS_IAU              ATPS_IAU              ATPS_IAS_TEMP
ATPS_IAU_APPEND       ATPS_IAU              ATPS_IAS_TEMP
ATPS_IAU_VIEWER       ATPS_IAU              ATPS_IAS_TEMP
ATPS_MDS              ATPS_MDS              ATPS_IAS_TEMP
ATPS_STB              ATPS_STB              ATPS_IAS_TEMP
ATPS_WLS_RUNTIME      ATPS_WLS              ATPS_IAS_TEMP
ATPS_WLS              ATPS_WLS              ATPS_IAS_TEMP
ATPS_OAM              ATPS_OAM              ATPS_OAM_TEMP
```

5. On your on-premises database, unlock the schemas for all the schema users from step 4 and commit the changes.

```
ALTER USER <Schema_Prefix_User> IDENTIFIED BY <Schema_Password>
account unlock;
commit;
```

6. Create a new directory on the database server.

For example, create the directory, `/scratch/OAM/oamatps`, using the following command:

```
CREATE OR REPLACE DIRECTORY oamatps AS '/scratch/oam';
```

7. Grant access to all users you identified in step 4 to the database directory.

```
GRANT read, write ON DIRECTORY oamatps TO <Schema_Prefix_User>;
commit;
```

For example:

```
Grant read,write on directory oamatps to
ATPS_WLS_RUNTIME,ATPS_IAU,ATPS_IAU_APPEND,ATPS_IAU_VIEWER,ATPS_OPSS,
ATPS_MDS,ATPS_STB,ATPS_WLS,ATPS_OAM;
commit;
```

8. Export all OAM schemas at once using the `expdp` command.

Example command:

```
expdp sys/<password>@orcl
DIRECTORY=exportdb SCHEMAS=DEV_STB, DEV_OIM, DEV_UMS, DEV_SOAINFRA,
DEV_MDS, DEV_OPSS, DEV_IAU, DEV_WLS, DEV_IAU_APPEND, DEV_IAU_VIEWER,
DEV_WLS_RUNTIME
DUMPFILE=exportdbfull.dmp PARALLEL=4 LOGFILE=exportdbfull.log
```

If the schema size is large, you can run the `expdp` command to export each schema individually.

For example, you can export the schema `DEV_STB` as follows:

```
expdp sys/<password>@orcl DIRECTORY=exportdb SCHEMAS=DEV_STB
DUMPFILE=DEV_STB.dmp PARALLEL=4 LOGFILE=exortdevoim.log
```

9. Upload the data dump file to Oracle Cloud Infrastructure Object Storage. See Upload the Export Files to Cloud Object Storage in *Oracle Autonomous Database on Dedicated Exadata Infrastructure*.

10. To access the dump files during import, create a pre-auth request for the dump file, and note down the URL. See To create a pre-authenticated request for a specific object in Oracle Cloud Infrastructure documentation.

11. Connect to the ATP-S database using on-premises database client.

```
export ORACLE_HOME=<Oracle_Home>
./sqlplus /nolog
SQL> connect ADMIN/<admin_password>@<ATP_databasename>
```

12. Create the credentials for OCI authentication.

```
BEGIN
  DBMS_CLOUD.CREATE_CREDENTIAL(
    credential_name => 'DEF_CRED_NAME',
    username => 'xx@oracle.com',
    password => '<OCI_Auth_Token>'
  );
END;
/
```

13. Import the data dump file to the ATP-S database for your schemas.

```
impdp ADMIN/<admin_password>@<ATP_databasename> credential=DEF_CRED_NAME
dumpfile=<dump_file_cloud_object_storage_location>.dmp
REMAP_TABLESPACE=<schema_prefix>_SCHEMA:DATA
REMAP_TABLESPACE=<schema_prefix>_SCHEMA_TEMP:TEMP
```

Example command:

```
impdp ADMIN/<admin_password>@<ATP_databasename> credential=DEF_CRED_NAME
dumpfile= https://objectstorage.us-ashburn-1.oraclecloud.com/p/
izPjJpSvZP_LONAVxZ_sItknpaYv9BBg7mRsxC3slycpvoLL6UiLMuDwa7RVLSGi/n/
```

```
idmocicloudacct/b/OIG/o/IAU_APPEND.dmp
REMAP_TABLESPACE=ATPS_IAU:DATA REMAP_TABLESPACE=ATPS_IAS_TEMP:TEMP
```

14. Grant unlimited amount of disk space in the tablespaces to all users from step 4.

For example, grant unlimited tablespace to `ATPS_IAU` user as follows:

```
Grant unlimited tablespace to ATPS_IAU;
commit;
```

You must now rewire the datasources in the Oracle Fusion Middleware domain to point to Oracle Autonomous Transaction Processing-Shared (ATP-S) database. See Rewiring the Domain with the ATP-S Database.

• Rewiring the Domain with the ATP-S Database
  You must rewire the data sources in the Oracle Fusion Middleware domain with the newly created Oracle Autonomous Transaction Processing-Shared (ATP-S) database.

Rewiring the Domain with the ATP-S Database

You must rewire the data sources in the Oracle Fusion Middleware domain with the newly created Oracle Autonomous Transaction Processing-Shared (ATP-S) database.

1. Access the WebLogic Console.

2. Locate the Change Center and click **Lock & Edit** to lock the editable configuration hierarchy for the domain.

3. Under **Domain Structure**, expand **Services**, and then click **Data Sources**.

4. Click the data source name and under **Connection Pool**, configure the data source as follows:

a. In the **URL** field, update the connection string to the ATP-S database. The connection string format is `jdbc:oracle:thin:@TNS_alias?` `TNS_ADMIN=<path_of_the_wallet_files, ojdbc.properties, and tnsnames.ora>`

For example:

```
jdbc:oracle:thin:@(description= (retry_count=20)(retry_delay=3)
(address=(protocol=tcps)
(port=<port_number>)(host=<host_name>))
(connect_data=(service_name=<service name>))
(security=(ssl_server_cert_dn="<completeDN>")))
```

b. In the **Properties** field, add the trust keystore properties as follows:

```
javax.net.ssl.trustStore=<wallet_truststore.jks_location>
javax.net.ssl.trustStorePassword=<truststore_password>
javax.net.ssl.keyStore=<wallet_keystore.jks_location>
javax.net.ssl.keyStorePassword=<keystore_password>
```

c. Save the changes.

5. Repeat step 4 to update all data sources.

6. Test the database connection.

   a. Access the Enterprise Manager Console.

   b. Under **WebLogic Domain**, click **JDBC Data Sources**.

   c. Click the data source name and under **Connection Pool**, verify if the Database URL and Properties are updated as in step 4.

   d. Click **Test Database Connection**.

7. Repeat step 6 to test all data sources.

8. Update the `jps-config.xml` and `jps-config-jse.xml` files.

   a. Navigate to `$DOMAINHOME/config/fmwconfig` directory on the OIM domain host.

   b. In the `jps-config.xml` file, under `property name="trust.token.IncludeCertificate" value="true"`, replace `jdbc.url` with the connection string to the ATP-S database.
      Example connection string:

      ```
      <property name=jdbc.url value='jdbc:oracle:thin:@(description=
      (retry_count=20)(retry_delay=3)(address=(protocol=tcps)
      (port=<port_number>)(host=<host_name>))
      (connect_data=(service_name=<service_name>))
      (security=(ssl_server_cert_dn="<completeDN>")))'/>
      ```

   c. In the `jps-config.xml`, file, under `property name="trust.token.IncludeCertificate" value="true"`, add the trust keystore properties as follows:

      ```
      <property name="javax.net.ssl.trustStore"
      value="<wallet_truststore.jks_location>"/>
      <property name="javax.net.ssl.trustStorePassword"
      value="<truststore_password>"/>
      <property name="javax.net.ssl.keyStore"
      value="<wallet_keystore.jks_location>"/>
      <property name="javax.net.ssl.keyStorePassword"
      value="<keystore_password>"/>
      ```

   d. Save the changes in the `jps-config.xml` file.

   e. In the `jps-config-jse.xml` file, replace `jdbc.url` and `audit.loader.jdbc.string` `property` with the new connection string as in step 8b.

   f. In the `jps-config-jse.xml` file, add the trust keystore properties as in step 8c.

   g. Save the changes in the `jps-config-jse.xml` file.

You must now restart the servers. See Starting and Stopping Managed Servers in *Administering Oracle Fusion Middleware*.

4

Troubleshooting ATP-S Database Migration

Learn to troubleshoot any issues you might encounter as part of the migration process.

- Troubleshooting Database Migration When Using DMS
- Troubleshooting Database Migration When Using Data Pump

Troubleshooting Database Migration When Using DMS

When you are migrating from other Oracle Databases to Oracle Autonomous Database, refer Notes for Users Migrating from Other Oracle Databases in *Using Oracle Autonomous Database on Shared Exadata Infrastructure*.

- **DBA Role Privileges Issue**
  Migration fails when user is granted DBA privileges as the role used in the source database is not available in the target database and the error `ORA-39083: Object type ROLE_GRANT failed to create with error ORA-01924: role 'DBA' not granted or does not exist` is displayed.

- **Browse Option Fails in OID**
  In Oracle Internet Directory (OID), when creating a new user if you try to use the browse button to select a path, an unresolvable error might occur.

- **Premigration Errors**
  Troubleshoot the errors you receive during the validation phase, when migrating data from an on-premises database to an Oracle Autonomous Transaction Processing-Shared (ATP-S) database.

- **Migration Errors**
  Troubleshoot the errors you receive while migrating data from an on-premises database to an Oracle Autonomous Transaction Processing-Shared (ATP-S) database.

- **Postmigration Errors**
  Troubleshoot the errors you receive after migrating data from an on-premises database to an Oracle Autonomous Transaction Processing-Shared (ATP-S) database.

DBA Role Privileges Issue

Migration fails when user is granted DBA privileges as the role used in the source database is not available in the target database and the error `ORA-39083: Object type ROLE_GRANT failed to create with error ORA-01924: role 'DBA' not granted or does not exist` is displayed.

To fix the role privileges issue, do the following:

1. Execute the following SQL on the source database:

   ```
   revoke <role> from <username>
   ```

Example:

```
revoke DBA from FMW
```

2. Resume migration on DMS.

Browse Option Fails in OID

In Oracle Internet Directory (OID), when creating a new user if you try to use the browse button to select a path, an unresolvable error might occur.

To resolve this issue, do one of the following:

- Manually type the path detail and click **Next**.
- Use the command-line tool **ldapadd** to add entries to the directory

Premigration Errors

Troubleshoot the errors you receive during the validation phase, when migrating data from an on-premises database to an Oracle Autonomous Transaction Processing-Shared (ATP-S) database.

For premigration errors displayed during the *Validation* phase, see Tables B-1, B-2, and B-3 in Oracle GoldenGate Unsupported Objects and Objects in CPAT Tool Errors.

Validation fails for Oracle Text DR$ index table

As the DR$ index tables are secondary objects, you cannot export these objects during migration, but you must export the table with it's index definition (original table). When you import these tables, the index is recreated and the secondary objects are created. So, validation of these objects in the source database fails, in DMS.

As a workaround, exclude the failed DR$ objects from migration before you proceed with the migration process. Postmigration these objects get recreated in the ATP-S database.

Migration Errors

Troubleshoot the errors you receive while migrating data from an on-premises database to an Oracle Autonomous Transaction Processing-Shared (ATP-S) database.

Import log error in Oracle Identity Manager

For Oracle Identity Manager (OIM), the following error is displayed in the import log, and this error can be ignored.

```
24-NOV-21 15:52:44.782: ORA-39083: Object type
PROCOBJ:"NV6_SOAINFRA"."AQ$_EDN_EVENT_QUEUE_TABLE_V" failed to create
with error:
ORA-24166: evaluation context NV6_SOAINFRA.AQ$_EDN_EVENT_QUEUE_TABLE_V
has errors"
```

Import log for Oracle Internet Directory

For Oracle Internet Directory (OID), the following warning is displayed in the import log. This warning is benign and can be ignored.

```
ORA-39082: Object type PACKAGE BODY:"ODS"."MANAGEHIQ" created with
compilation warnings
```

Postmigration Errors

Troubleshoot the errors you receive after migrating data from an on-premises database to an Oracle Autonomous Transaction Processing-Shared (ATP-S) database.

Error migrating schemas

After you migrate an on-premises database to an ATP-S database for the Oracle Fusion Middleware products, during the migration of WLS schemas, you might receive the following error:"`ORA-00001: Unique constraint`" Error customer should truncate data from `tables`.

This error occurs, if the `LAST_NUMBER` of sequence `SEQ_WLS_HVST_RECORDID` in source database is greater than `LAST_NUMBER` of sequence `SEQ_WLS_HVST_RECORDID` in target database.

To fix the issue, do the following:

*   Alter and restart the sequence with number >= last number in source database.

    ```
    SQL> ALTER SEQUENCE <schema_prefix>_WLS.SEQ_WLS_HVST_RECORDID restart
    start with <<LAST_NUMBER_of_sequence_SEQ_WLS_HVST_RECORDID>;
    ```

*   Migrate the schemas, use the following commands in SQL*Plus to truncate data from the WebLogic Server database tables:

    ```
    DELETE from ACTIVE;
    DELETE from CHECKPOINTDATA;
    DELETE from EXECUTIONINSTANCEDATA;
    DELETE from JOBINSTANCEDATA;
    DELETE from JOBSTATUS;
    DELETE from STEPEXECUTIONINSTANCEDATA;
    DELETE from STEPSTATUS;
    DELETE from WEBLOGIC_TIMERS;
    DELETE from WL_SERVLET_SESSIONS;
    DELETE from WLS_EVENTS;
    DELETE from WLS_HVST;
    ```

Error restarting the servers

For Oracle Access Manager, the following errors are displayed on restarting the servers. These error messages are benign and can be ignored.

1. `[partition-id: 0] [partition-name: DOMAIN] > <BEA-000000>`
    `<Request to processartifacts failed.`

```
Context=OAM_CONTEXT java.lang.Exception: No file found
with the name /config/fmwconfig/oauth.xml in database.
at
oracle.security.am.artifacts.store.DBArtifactStore.read(DBArtifactSt
ore.java:191)
at
oracle.security.am.artifacts.processor.DBToFileArtifactProcessor.pro
cessRequest(DBToFileArtifactProcessor.java:78)
```

2. ```
Context=OAM_CONTEXT
java.lang.Exception: No file found with the name /config/fmwconfig/
oic_rp.xml
in database.
at
oracle.security.am.artifacts.store.DBArtifactStore.read(DBArtifactSt
ore.java:191)
at
oracle.security.am.artifacts.processor.DBToFileArtifactProcessor.pro
cessReques
t
```

3. ```
Context=OAM_CONTEXT
<84579d79-4cd7-45bf-b105-a8b08f4c5680-00000009>
<1632901333560><[severity-value: 8] [rid: 0] [partition-id: 0]
[partition-name: DOMAIN] >
<BEA-000000> <Request to process artifacts failed.
at
oracle.security.am.artifacts.store.DBArtifactStore.read(DBArtifactSt
ore.java:191)
at java.lang.Exception: No file found with the name /config/
fmwconfig/idaas.xmlin database.
```

4. ```
<528afb44-5de6-464b-b059-0f872e0139ff-00001fbd> <1631015303075>
<[severity-value: 8] [rid: 0] [partition-id: 0] [partition-name:
DOMAIN] >
<BEA-000000> <This resource already exists, within domain "testwg".
oracle.security.am.common.policy.admin.impl.PolicyValidationExceptio
n:
OAMSSA-06289: This resource already exists, within domain "testwg".
at partition-id: 0] [partition-name: DOMAIN]>
```

5. ```
60098:Faces lifecycle receives unhandled exceptions in phase
INVOKE_APPLICATION 5 javax.faces.el.EvaluationException:
java.lang.NullPointerException
at <3d56ab11-4a44-4847-a807-ba6dc771f38a-0004e4a3> <1632897060940>
<[severity-value: 8] [rid: 0] [partition-id: 0] [partition-name:
DOMAIN] >
<BEA-101017> <[ServletContext@1114167768[app:oam_server module:oam
path:null
spec-version:3.1]]
```

6. ```
Root cause of ServletException.
java.lang.NoClassDefFoundError: oracle/igf/ids/
```

```
LDAPConnectionException
at
oracle.security.am.engines.common.identity.provider.impl.IdentityProviderI
mpl.
locateUser(IdentityProviderImpl.java:1468)
at
oracle.security.am.engines.common.identity.provider.impl.OracleUserIdentit
yPro
vider.locateUser(OracleUserIdentityProvider.java:526)
at
84579d79-4cd7-45bf-b105-a8b08f4c5680-00000162> <1632902625446>
```

7. <[severity-value: 16] [rid: 0] [partition-id: 0] [partition-name: DOMAIN]
```
>
<ADFC-50023> <ADFc: Attempt to release viewport 'ga1qt8dou_0' threw an
exception.
oracle.adf.controller.ControllerException: ADFC-12014: Attempted access
to an
object that has already been released, object type:
'oracle.adfinternal.controller.state.RootViewPortContextImpl'.
at
partition-id: 0] [partition-name: DOMAIN] > <BEA-240003> <Administration
Console encountered the following error: java.lang.NoSuchMethodError:
org.glassfish.jersey.internal.LocalizationMessages.WARNING_PROPERTIES()Lja
va/l
ang/String;
at
org.glassfish.jersey.internal.config.SystemPropertiesConfigurationModel.ge
tPro
pe
```

**FirstSiteII not supported for ATP-S database migration**

After migrating an on-premises database to an Oracle Autonomous Transaction Processing (ATP-S) database, for Oracle WebCenter Sites, installing and configuring FirstSiteII sample site, and creating and editing a Promotion Asset is not supported.

**Issues in running `oid` cleanup**

For Oracle Internet Directory , if you face any errors during cleanup, instead of step 14 in Postmigration Tasks for Oracle Internet Directory, do the following:

1. Start all existing `oid` instances created before migration.

2. Stop all existing `oid` instances created before migration.

3. Stop node manager.

4. Stop the Administration server.

5. Start the Administration server.

6. Start the Node manager.

7. Start all existing `oid` instances created before migration

# Troubleshooting Database Migration When Using Data Pump

Learn to troubleshoot any issues you might encounter when you migrate data for Oracle Identity Governance (OIG) and Oracle Access Manager (OAM) using data pump.

- Catalog Search Not Working
  In Oracle Identity Governance (OIG), catalog search does not display any results.

- Unable to Export Large Number of Artifacts From the Sysadmin Console
  When Oracle HTTP Server (OHS) server is used at the front end to access web applications, and you retrieve large number of resource entities, such as role artifacts, from the Sysadmin console using the Deployment Manager, the UI times out and does not return any results.

## Catalog Search Not Working

In Oracle Identity Governance (OIG), catalog search does not display any results.

To resolve this issue:

1. Log in to Oracle Identity `sysadmin` console.

2. Under **System Configuration**, click **Configuration Properties**.

3. In the left pane of the **System Configuration** section, from the **Actions** menu, select **Create** Alternatively, you can click the create icon on the toolbar.
   The Create System Property page appears.

4. Enter the following values:

   - **Name**: `Hierarchical Attributes Support for Entitlements`

   - **Keyword**: `Catalog.HierarchicalAttributesOfEntitlement`

   - **Value**: `false`

5. Click **Save**.

## Unable to Export Large Number of Artifacts From the Sysadmin Console

When Oracle HTTP Server (OHS) server is used at the front end to access web applications, and you retrieve large number of resource entities, such as role artifacts, from the Sysadmin console using the Deployment Manager, the UI times out and does not return any results.

The workaround is to perform the search based on type and name, and limit the results, instead of trying to retrieve all data at once.

# A
# User Privileges, Parameter File Contents, and Expdp and Impdp Commands for Excluded Objects

For objects that are excluded from the online DMS migration job and need to be exported and imported manually using offline `expdp` and `impdp` commands, you must know the user privileges and the contents of the parameter file of the excluded objects.

The following tables lists the privileges to be provided to users and the contents of the parameter file for excluded objects that need to be migrated manually outside of the online DMS tool, and the `expdp` and the `impdp` commands that must be used for this manual migration.

**User Privileges for Excluded Objects**

Table A-1 lists the privileges to be provided to users when you need to manually migrate the excluded objects.

> **Note:**
>
> The following table lists the sample privileges to be provided to users for excluded objects. Based on your setup, provide the privileges to users for any additional schemas, if required.

**Table A-1    User Privileges for Excluded Objects**

| Product | User privileges for Excluded Objects |
| --- | --- |
| Oracle Identity Manager (OIM) | `grant read,write on directory <DPDIR> to <schema_prefix>_MDS,<schema_prefix>_UMS, <schema_prefix>_OIM,<schema_prefix>_SOAINFRA;` |
| Oracle Access Manager (OAM) | `grant read,write on directory <DPDIR> to <schema_prefix>_MDS` |
| Oracle Internet Directory (OID) | NA |
| SOA/Oracle Business Process Management (BPM) | NA |

**Table A-1    (Cont.) User Privileges for Excluded Objects**

| Product | User privileges for Excluded Objects |
|---|---|
| SOA/Oracle Business Activity Monitoring (BAM) | A user that has been granted privileges, which are not supported by Oracle Autonomous Transaction Processing-Shared (ATP-S) database, should be revoked before migration, and equivalent privileges should be granted in the target database post migration. |

**Table A-1    (Cont.) User Privileges for Excluded Objects**

| Product | User privileges for Excluded Objects |
|---|---|
| Oracle Enterprise Scheduler (ESS) | |
| | `grant execute on DBMS_LOCK to <SCHEMA_OWNER>;`<br>`grant execute on UTL_FILE to <SCHEMA_OWNER>;`<br>`grant execute on UTL_RAW to <SCHEMA_OWNER>;`<br>`grant execute on DBMS_LOB to <SCHEMA_OWNER>;`<br>`grant execute on DBMS_SCHEDULER to <SCHEMA_OWNER>;`<br>`grant execute on DBMS_XMLDOM to <SCHEMA_OWNER>;`<br>`grant execute on DBMS_APPLICATION_INFO to <SCHEMA_OWNER>;`<br>`grant execute on DBMS_UTILITY to <SCHEMA_OWNER>;`<br>`grant execute on DBMS_SESSION to <SCHEMA_OWNER>;`<br>`grant execute on DBMS_OUTPUT to <SCHEMA_OWNER>;`<br>`grant execute on SYS.DBMS_ASSERT to <SCHEMA_OWNER>;`<br>`grant select on sys.v_$instance to <SCHEMA_OWNER>;`<br>`grant select on sys.gv_$instance to <SCHEMA_OWNER>;`<br>`grant select on sys.v_$session to <SCHEMA_OWNER>;`<br>`grant select on sys.gv_$session to <SCHEMA_OWNER>;`<br>`grant select on sys.v_$parameter to <SCHEMA_OWNER>;`<br>`grant create any job to <SCHEMA_OWNER>;`<br>`grant create job to <SCHEMA_OWNER>;`<br>`grant manage scheduler to <SCHEMA_OWNER>;`<br>`grant select on dba_scheduler_jobs to <SCHEMA_OWNER>;`<br>`grant select on dba_scheduler_job_run_details to <SCHEMA_OWNER>;`<br>`grant select on dba_scheduler_running_jobs to <SCHEMA_OWNER>;`<br>`grant select on` |

**Table A-1    (Cont.) User Privileges for Excluded Objects**

| Product | User privileges for Excluded Objects |
|---|---|
| | `dba_scheduler_job_classes to`<br>`<SCHEMA_OWNER>;` |
| Oracle Managed File Transfer (MFT) | NA |
| Oracle WebCenter Portal (WCP) | |
| | `grant read,write on directory`<br>`<DPDIR> to <schema_prefix>_WEBCENTER`<br>`<schema_prefix>_MDS;` |
| Oracle WebCenter Content (WCC) | Excluded objects get generated dynamically |
| Oracle WebCenter Sites (WCS) | NA |

**Parameter File Contents for Excluded Objects**

Table A-2 lists the tables that must be excluded from the online DMS migration job and migrated outside of DMS using Data pump commands. These tables are listed in the parameter file (`parfile`), which is passed as a parameter to the `expdp` command.

The `INCLUDE` parameter specifies the tables to be included in the `expdp` command.

> **✎ Note:**
>
> The following table provides sample tables listed in the parameter file. Based on your setup, provide any additional tables, if required.

**Table A-2    Parameter File Contents for Excluded Objects**

| Product/Component | Parameter File Contents |
|---|---|
| Oracle Identity Manager (OIM) | INCLUDE=TABLE:"IN('MDS_PURGE_PATHS','ORASDPMAPPDEFRCVT1','ORASDPMENGINECMDT','ORASDPMENGINESNDT1','ORASDPMENGINERCVT1','ORASDPMWSRCVT1','ORASDPMDRIVERDEFSNDT1','ORASDPMENGINEPENDRCVQT','AIA_CAVSCALLBACKJMSQTAB','IP_QTAB','AQ$_IP_QTAB_S','AQ$_IP_QTAB_T','AQ$_IP_QTAB_H','AQ$_IP_QTAB_L','AQ$_IP_QTAB_G','AQ$_IP_QTAB_I','AQ$_EDN_EVENT_QUEUE_TABLE_S','AQ$_EDN_EVENT_QUEUE_TABLE_T','AQ$_EDN_EVENT_QUEUE_TABLE_H','AQ$_EDN_EVENT_QUEUE_TABLE_L','AQ$_EDN_EVENT_QUEUE_TABLE_G','AQ$_EDN_EVENT_QUEUE_TABLE_I','AQ$_EDN_OAOO_DELIVERY_TABLE_S','AQ$_EDN_OAOO_DELIVERY_TABLE_T','AQ$_EDN_OAOO_DELIVERY_TABLE_H','AQ$_EDN_OAOO_DELIVERY_TABLE_L','AQ$_EDN_OAOO_DELIVERY_TABLE_G','AQ$_EDN_OAOO_DELIVERY_TABLE_I','AQ$_EDN_AQJMS_TOPIC_TABLE_S','AQ$_EDN_AQJMS_TOPIC_TABLE_T','AQ$_EDN_AQJMS_TOPIC_TABLE_H','AQ$_EDN_AQJMS_TOPIC_TABLE_L','AQ$_EDN_AQJMS_TOPIC_TABLE_G','AQ$_EDN_AQJMS_TOPIC_TABLE_I','SYS_IOT_OVER_xxxxxx','SYS_IOT_OVER_xxxxxx','SYS_IOT_OVER_xxxxxx','SYS_IOT_OVER_xxxxxx','EDN_EVENT_QUEUE_TABLE','EDN_OAOO_DELIVERY_TABLE','EDN_AQJMS_TOPIC_TABLE','TASK_NOTIFICATION_Q_T','RUPD$_MFT_SOURCE_MESSAGE','RUPD$_MFT_TRANSFER_INSTANCE','RUPD$_MFT_TARGET_INSTANCE','RUPD$_MFT_TARGET_MESSAGE','RUPD$_MFT_DATA_STORAGE','OSB_FTP_TRANSPORT_TBL','OSB_SFTP_TRANSPORT_TBL','OSB_EM |

**Table A-2    (Cont.) Parameter File Contents for Excluded Objects**

| Product/Component | Parameter File Contents |
| --- | --- |
| | `AIL_TRANSPORT_TBL','OSB_FILE_TRANSPOR`<br>`T_TBL','OSB_REPORTING_TBL','OSB_REPOR`<br>`TING`<br>`_ERROR_TBL','OSB_PURGE_TBL','TEMP_FLO`<br>`WID_PURGE_GLB','TEMP_CUBE_INSTANCE_GL`<br>`B','`<br>`TEMP_DOCUMENT_CI_REF_GLB','TEMP_DOCUM`<br>`ENT_DLV_MSG_REF_GLB','TEMP_BRDECISION`<br>`_INS`<br>`TANCE_GLB','TEMP_WFTASK_PURGE_GLB','T`<br>`EMP_MEDIATOR_DEFERRED_GLB','TEMP_MEDI`<br>`ATOR`<br>`_RESEQUENCER_GLB','UPGRADE_CURRENT_SE`<br>`QUENCE_TEMP','TEMP_UPGRADE_ECID','TEM`<br>`P_UP`<br>`GRADE_CI','TEMP_UPGRADE_DLV_MSG','TEM`<br>`P_UPGRADE_DLV_ECID_MAP','TEMP_UPGRADE`<br>`_WKI`<br>`TM_CI','TEMP_UPGRADE_WFTASK','TEMP_UP`<br>`GRADE_BRDECISION','TEMP_UPGRADE_MI','`<br>`TEMP`<br>`_UPGRADE_MCI','TEMP_UPGRADE_MCDV','TE`<br>`MP_UPGRADE_CPST_INST','B2B_BAM_QTAB',`<br>`'OIM`<br>`_TMP_MLS_TABLE','OIM_TMP_RECON_MLS_TA`<br>`BLE','COUN_LOG_TAB','TEMP_REC_TABLE',`<br>`'TEM`<br>`P_REC_TAB','TEMP_REC_TAB_1','TEMP_REC`<br>`_TAB_2','TEMP_REC_DYNAMIC','TEMP_TABL`<br>`E','`<br>`TEMP_TABLES_TO_DROP','TEMP_ORGANIZATI`<br>`ON_USERS','ORG_AVAILABLE_ROLES','RECO`<br>`N_AC`<br>`COUNT_OLDSTATE','RECON_UGP_OLDSTATE',`<br>`'RECON_USER_OLDSTATE','REQUEST_ENTITY`<br>`_ATT`<br>`R_VALUES')"` |
| Oracle Access Manager (OAM) | `INCLUDE=TABLE:"IN (select table_name`<br>`from user_tables`<br>`where table_name='MDS_PURGE_PATHS'`<br>`and temporary = 'Y')"` |
| Oracle Internet Directory (OID) | NA |

**Table A-2    (Cont.) Parameter File Contents for Excluded Objects**

| Product/Component | Parameter File Contents |
|---|---|
| SOA/Oracle Business Process Management (BPM) | INCLUDE=TABLE:"IN('MDS_PURGE_PATHS','ORASDPMAPPDEFRCVT1', 'ORASDPMENGINECMDT','ORASDPMENGINESNDT1','ORASDPMENGINERCVT1', 'ORASDPMWSRCVT1','ORASDPMDRIVERDEFSNDT1', 'ORASDPMENGINEPENDRCVQT','AIA_CAVSCALLBACKJMSQTAB', 'IP_QTAB','AQ$_IP_QTAB_S','AQ$_IP_QTAB_T', 'AQ$_IP_QTAB_H','AQ$_IP_QTAB_L','AQ$_IP_QTAB_G', 'AQ$_IP_QTAB_I','AQ$_EDN_EVENT_QUEUE_TABLE_S', 'AQ$_EDN_EVENT_QUEUE_TABLE_T','AQ$_EDN_EVENT_QUEUE_TABLE_H', 'AQ$_EDN_EVENT_QUEUE_TABLE_L','AQ$_EDN_EVENT_QUEUE_TABLE_G', 'AQ$_EDN_EVENT_QUEUE_TABLE_I','AQ$_EDN_OAOO_DELIVERY_TABLE_S', 'AQ$_EDN_OAOO_DELIVERY_TABLE_T', 'AQ$_EDN_OAOO_DELIVERY_TABLE_H', 'AQ$_EDN_OAOO_DELIVERY_TABLE_L','AQ$_EDN_OAOO_DELIVERY_TABLE_G', 'AQ$_EDN_OAOO_DELIVERY_TABLE_I','AQ$_EDN_AQJMS_TOPIC_TABLE_S', 'AQ$_EDN_AQJMS_TOPIC_TABLE_T','AQ$_EDN_AQJMS_TOPIC_TABLE_H', 'AQ$_EDN_AQJMS_TOPIC_TABLE_L','AQ$_EDN_AQJMS_TOPIC_TABLE_G', 'AQ$_EDN_AQJMS_TOPIC_TABLE_I','SYS_IOT_OVER_78024', 'SYS_IOT_OVER_77858','SYS_IOT_OVER_77962','EDN_EVENT_QUEUE_TABLE', 'EDN_OAOO_DELIVERY_TABLE','SYS_IOT_OVER_77991', 'EDN_AQJMS_TOPIC_TABLE','TASK_NOTIFICATION_Q_T', 'RUPD$_MFT_SOURCE_MESSAGE','RUPD$_MFT_TRANSFER_INSTANCE', 'RUPD$_MFT_TARGET_INSTANCE','RUPD$_MFT_TARGET_MESSAGE', 'RUPD$_MFT_DATA_STORAGE','OSB_FTP_TRANSPORT_TBL', 'OSB_SFTP_TRANSPORT_TBL','OSB_EMAIL_TRANSPORT_TBL', 'OSB_FILE_TRANSPORT_TBL','OSB_REPORTING_TBL', |

**Table A-2    (Cont.) Parameter File Contents for Excluded Objects**

| Product/Component | Parameter File Contents |
| --- | --- |
| | `'OSB_REPORTING_ERROR_TBL','OSB_PURGE_` `TBL','TEMP_FLOWID_PURGE_GLB',` `'TEMP_CUBE_INSTANCE_GLB','TEMP_DOCUME` `NT_CI_REF_GLB',` `'TEMP_DOCUMENT_DLV_MSG_REF_GLB','TEMP` `_BRDECISION_INSTANCE_GLB',` `'TEMP_WFTASK_PURGE_GLB','TEMP_MEDIATO` `R_DEFERRED_GLB',` `'TEMP_MEDIATOR_RESEQUENCER_GLB','UPGR` `ADE_CURRENT_SEQUENCE_TEMP',` `'TEMP_UPGRADE_ECID','TEMP_UPGRADE_CI'` `,'TEMP_UPGRADE_DLV_MSG',` `'TEMP_UPGRADE_DLV_ECID_MAP','TEMP_UPG` `RADE_WKITM_CI',` `'TEMP_UPGRADE_WFTASK','TEMP_UPGRADE_B` `RDECISION',` `'TEMP_UPGRADE_MI','TEMP_UPGRADE_MCI',` `'TEMP_UPGRADE_MCDV',` `'TEMP_UPGRADE_CPST_INST','B2B_BAM_QTA` `B','CLUSTER_NODE')",PROCOBJ` |

**Table A-2    (Cont.) Parameter File Contents for Excluded Objects**

| Product/Component | Parameter File Contents |
| --- | --- |
| SOA/Oracle Business Activity Monitoring (BAM) | |
| | `INCLUDE=TABLE:"IN('MDS_PURGE_PATHS','ORASDPMAPPDEFRCVT1','ORASDPMENGINECMDT','ORASDPMENGINESNDT1','ORASDPMENGINERCVT1','ORASDPMWSRCVT1','ORASDPMDRIVERDEFSNDT1','ORASDPMENGINEPENDRCVQT','AIA_CAVSCALLBACKJMSQTAB','IP_QTAB','AQ$_IP_QTAB_S','AQ$_IP_QTAB_T','AQ$_IP_QTAB_H','AQ$_IP_QTAB_L','AQ$_IP_QTAB_G','AQ$_IP_QTAB_I','AQ$_EDN_EVENT_QUEUE_TABLE_S','AQ$_EDN_EVENT_QUEUE_TABLE_T','AQ$_EDN_EVENT_QUEUE_TABLE_H','AQ$_EDN_EVENT_QUEUE_TABLE_L','AQ$_EDN_EVENT_QUEUE_TABLE_G','AQ$_EDN_EVENT_QUEUE_TABLE_I','AQ$_EDN_OAOO_DELIVERY_TABLE_S','AQ$_EDN_OAOO_DELIVERY_TABLE_T','AQ$_EDN_OAOO_DELIVERY_TABLE_H','AQ$_EDN_OAOO_DELIVERY_TABLE_L','AQ$_EDN_OAOO_DELIVERY_TABLE_G','AQ$_EDN_OAOO_DELIVERY_TABLE_I','AQ$_EDN_AQJMS_TOPIC_TABLE_S','AQ$_EDN_AQJMS_TOPIC_TABLE_T','AQ$_EDN_AQJMS_TOPIC_TABLE_H','AQ$_EDN_AQJMS_TOPIC_TABLE_L','AQ$_EDN_AQJMS_TOPIC_TABLE_G','AQ$_EDN_AQJMS_TOPIC_TABLE_I','SYS_IOT_OVER_78024','SYS_IOT_OVER_77858','SYS_IOT_OVER_77962','EDN_EVENT_QUEUE_TABLE','EDN_OAOO_DELIVERY_TABLE','SYS_IOT_OVER_77991','EDN_AQJMS_TOPIC_TABLE','TASK_NOTIFICATION_Q_T','RUPD$_MFT_SOURCE_MESSAGE','RUPD$_MFT_TRANSFER_INSTANCE','RUPD$_MFT_TARGET_INSTANCE','RUPD$_MFT_TARGET_MESSAGE','RUPD$_MFT_DATA_STORAGE','OSB_FTP_TRANSPORT_TBL','OSB_SFTP_TRANSPORT_TBL','OSB_EMAIL_TRANSPORT_TBL','OSB_FILE_TRANSPORT_TBL','OSB_REPORTING_TBL',` |

**Table A-2    (Cont.) Parameter File Contents for Excluded Objects**

| Product/Component | Parameter File Contents |
|---|---|
| | `'OSB_REPORTING_ERROR_TBL','OSB_PURGE_`<br>`TBL','TEMP_FLOWID_PURGE_GLB',`<br>`'TEMP_CUBE_INSTANCE_GLB','TEMP_DOCUME`<br>`NT_CI_REF_GLB',`<br>`'TEMP_DOCUMENT_DLV_MSG_REF_GLB','TEMP`<br>`_BRDECISION_INSTANCE_GLB',`<br>`'TEMP_WFTASK_PURGE_GLB','TEMP_MEDIATO`<br>`R_DEFERRED_GLB',`<br>`'TEMP_MEDIATOR_RESEQUENCER_GLB','UPGR`<br>`ADE_CURRENT_SEQUENCE_TEMP',`<br>`'TEMP_UPGRADE_ECID','TEMP_UPGRADE_CI'`<br>`,'TEMP_UPGRADE_DLV_MSG',`<br>`'TEMP_UPGRADE_DLV_ECID_MAP','TEMP_UPG`<br>`RADE_WKITM_CI',`<br>`'TEMP_UPGRADE_WFTASK','TEMP_UPGRADE_B`<br>`RDECISION',`<br>`'TEMP_UPGRADE_MI','TEMP_UPGRADE_MCI',`<br>`'TEMP_UPGRADE_MCDV',`<br>`'TEMP_UPGRADE_CPST_INST','B2B_BAM_QTA`<br>`B','CLUSTER_NODE')",PROCOBJ` |
| Oracle Enterprise Scheduler (ESS) | `INCLUDE=TABLE:"IN('ESS_TEMP_REQID')"`<br><br>If the domain contains SOA, SOA excluded tables must also be included |
| Oracle Managed File Transfer (MFT) | `INCLUDE=TABLE:"IN('RUPD$_MFT_SOURCE_M`<br>`ESSAGE',`<br>`'RUPD$_MFT_TRANSFER_INSTANCE',`<br>`'RUPD$_MFT_TARGET_INSTANCE',`<br>`'RUPD$_MFT_TARGET_MESSAGE',`<br>`'RUPD$_MFT_DATA_STORAGE')"` |
| Oracle WebCenter Portal (WCP) | `INCLUDE=TABLE:"IN (select table_name`<br>`from user_tables`<br>`where table_name='WC_AS_ARCHIVE_TMP'`<br>`and temporary = 'Y')"` |
| Oracle WebCenter Content (WCC) | NA |
| Oracle WebCenter Sites (WCS) | NA |

**Table A-2    (Cont.) Parameter File Contents for Excluded Objects**

| Product/Component | Parameter File Contents |
|---|---|
| Metadata Services (MDS) | `INCLUDE=TABLE:"IN (select table_name from user_tables where table_name='MDS_PURGE_PATHS' and temporary = 'Y')"` |

**Expdp and Impdp Commands for Excluded Objects**

Table A-3 lists the `expdp` and `impdp` commands to manually migrate the excluded objects listed in Table A-2

> **✎ Note:**
>
> The following table lists the sample `expdp` and `impdp` commands to manually migrate the excluded objects. For any additional schemas in your setup, update the commands, if required.

**Table A-3    Expdp and Impdp Commands for Excluded Objects**

| Product/Component | Expdp and Impdp Commands |
|---|---|
| Oracle Identity Manager (OIM) | |
| | `./expdp ggadmin/`<br>`<ggadmin_password>@<PDB_connect_st`<br>`ring> directory=<DPDIR>`<br>`dumpfile=<dumpfilename>.dmp`<br>`logfile=<logfilename>.log`<br>`parfile=<parfilename>.par full=y` |
| | `./impdp ADMIN/`<br>`<admin_password_for_ATP-`<br>`S_DB>@<ATP_databasename>`<br>`credential=DEF_CRED_NAME`<br>`dumpfile=<dump_file_cloud_object_s`<br>`torage_location>.dmp`<br>`REMAP_TABLESPACE=<schema_prefix>_O`<br>`IM:DATA`<br>`REMAP_TABLESPACE=<schema_prefix>_I`<br>`AS_UMS:DATA`<br>`REMAP_TABLESPACE=<schema_prefix>_I`<br>`AS_OPSS:DATA`<br>`REMAP_TABLESPACE=<schema_prefix>_I`<br>`AU:DATA`<br>`REMAP_TABLESPACE=<schema_prefix>_M`<br>`DS:DATA`<br>`REMAP_TABLESPACE=<schema_prefix>_S`<br>`OAINFRA:DATA`<br>`REMAP_TABLESPACE=<schema_prefix>_S`<br>`TB:DATA`<br>`REMAP_TABLESPACE=<schema_prefix>_W`<br>`LS:DATA`<br>`REMAP_TABLESPACE=<schema_prefix>_I`<br>`AS_TEMP:TEMP`<br>`REMAP_TABLESPACE=<schema_prefix>_O`<br>`IM_TEMP:TEMP` |

**Table A-3    (Cont.) Expdp and Impdp Commands for Excluded Objects**

| Product/Component | Expdp and Impdp Commands |
|---|---|
| Oracle Access Manager (OAM) | `./expdp <schema_prefix>_MDS/`<br>`<MDS_schema_password>@<PDB_connect`<br>`_string> directory=<DPDIR>`<br>`dumpfile=<dumpfilename>.dmp`<br>`logfile=<logfilename>.log`<br>`parfile=<parfilename>.par`<br><br><br>`./impdp admin/`<br>`<admin_password_for_ATP-`<br>`S_DB>@<ATP_databasename>`<br>`credential=DEF_CRED_NAME`<br>`dumpfile=<dump_file_cloud_object_s`<br>`torage_location>.dmp` |
| Oracle Internet Directory (OID) | NA |
| SOA/Oracle Business Process Management (BPM) | `./expdp ggadmin/`<br>`<ggadmin_password>@<PDB_connect_st`<br>`ring> dumpfile=dump_tables.dmp`<br>`logfile=<logfilename>.log`<br>`directory=<DPDIR> full=y`<br>`parfile=<parfilename>.par`<br><br><br>`./impdp admin/`<br>`<admin_password_for_ATP-`<br>`S_DB>@<ATP_databasename>`<br>`credential=def_cred_name`<br>`dumpfile=<dump_file_cloud_object_s`<br>`torage_location>.dmp`<br>`REMAP_TABLESPACE=PKBPM1_IAS_OPSS:D`<br>`ATA`<br>`REMAP_TABLESPACE=PKBPM1_IAS_UMS:DA`<br>`TA`<br>`REMAP_TABLESPACE=PKBPM1_IAU:DATA`<br>`REMAP_TABLESPACE=PKBPM1_MDS:DATA`<br>`REMAP_TABLESPACE=PKBPM1_SOAINFRA:D`<br>`ATA`<br>`REMAP_TABLESPACE=PKBPM1_STB:DATA`<br>`REMAP_TABLESPACE=PKBPM1_WLS:DATA`<br>`REMAP_TABLESPACE=PKBPM1_IAS_TEMP:T`<br>`EMP` |

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**Table A-3    (Cont.) Expdp and Impdp Commands for Excluded Objects**

| Product/Component | Expdp and Impdp Commands |
|---|---|
| SOA/Oracle Business Activity Monitoring (BAM) | `./expdp ggadmin/`*`<ggadmin_password>`*`@`*`<PDB_connect_st ring>`* `dumpfile=`*`<dumpfilename>`*`.dmp logfile=`*`<logfilename>`*`.log directory=`*`<DPDIR>`* `full=y parfile=`*`<parfilename>`*`.par`<br><br>`./impdp admin/`*`<admin_password_for_ATP-S_DB>`*`@`*`<ATP_databasename>`* `credential=def_cred_name dumpfile=`*`<dump_file_cloud_object_s torage_location>`*`.dmp REMAP_TABLESPACE=PKBPM1_IAS_OPSS:D ATA REMAP_TABLESPACE=PKBPM1_IAS_UMS:DA TA REMAP_TABLESPACE=PKBPM1_IAU:DATA REMAP_TABLESPACE=PKBPM1_MDS:DATA REMAP_TABLESPACE=PKBPM1_SOAINFRA:D ATA REMAP_TABLESPACE=PKBPM1_STB:DATA REMAP_TABLESPACE=PKBPM1_WLS:DATA REMAP_TABLESPACE=PKBPM1_IAS_TEMP:T EMP` |

**Table A-3    (Cont.) Expdp and Impdp Commands for Excluded Objects**

| Product/Component | Expdp and Impdp Commands |
|---|---|
| Oracle Enterprise Scheduler (ESS) | `./expdp ggadmin/`<br>`<`*`ggadmin_password`*`>@<`*`PDB_connect_st`*<br>*`ring`*`> dumpfile=<`*`dumpfilename`*`>.dmp`<br>`logfile=<`*`logfilename`*`>.log`<br>`directory=<`*`DPDIR`*`> full=y`<br>`parfile=<`*`parfilename`*`>.par`<br><br>For PROCOBJ objects, use the following `expdp` command<br><br>`./expdp sys/`<br>`<`*`sys_password`*`>@<`*`PDB_connect_string`*<br>`> as sysdba`<br>`dumpfile=<`*`procobjObject_dumpfilena`*<br>*`me`*`>.dmp`<br>`logfile=<`*`procobjObject_logfilename`*<br>`>.log directory=<`*`DPDIR`*`> full=y`<br>`INCLUDE=PROCOBJ INCLUDE=GRANT`<br>`INCLUDE=ROLE_GRANT`<br><br><br>`./impdp admin/`<br>`<`*`admin_password_for_ATP-`*<br>*`S_DB`*`>@<`*`ATP_databasename`*`>`<br>`credential=def_cred_name`<br>`dumpfile=<`*`dump_file_cloud_object_s`*<br>*`torage_location`*`>.dmp`<br>`REMAP_TABLESPACE=PKESS1_ESS:DATA`<br>`REMAP_TABLESPACE=PKESS1_IAS_OPSS:D`<br>`ATA`<br>`REMAP_TABLESPACE=PKESS1_IAS_UMS:DA`<br>`TA`<br>`REMAP_TABLESPACE=PKESS1_IAU:DATA`<br>`REMAP_TABLESPACE=PKESS1_MDS:DATA`<br>`REMAP_TABLESPACE=PKESS1_SOAINFRA:D`<br>`ATA`<br>`REMAP_TABLESPACE=PKESS1_STB:DATA`<br>`REMAP_TABLESPACE=PKESS1_WLS:DATA`<br>`REMAP_TABLESPACE=PKESS1_IAS_TEMP:T`<br>`EMP`<br><br>For PROCOBJ objects, use the following `impdp` command<br><br>`./impdp admin/`<br>`<`*`admin_password_for_ATP-`*<br>*`S_DB`*`>@<`*`ATP_databasename`*`>` |

**Table A-3    (Cont.) Expdp and Impdp Commands for Excluded Objects**

| Product/Component | Expdp and Impdp Commands |
|---|---|
| | `credential=def_cred_name`<br>`dumpfile=<`*`dump_file_cloud_object_s`*<br>*`torage_location_procobjObject>`*`.dmp` |
| Oracle Managed File Transfer (MFT) | `./expdp ggadmin/`<br>`<`*`ggadmin_password`*`>@<`*`PDB_connect_st`*<br>*`ring`*`> dumpfile=<`*`dumpfilename`*`>.dmp`<br>`logfile=<`*`logfilename`*`>.log`<br>`directory=<`*`DPDIR`*`>`<br>`parfile=<`*`parfilename`*`>.par`<br><br>`./impdp admin/`<br>`<`*`admin_password_for_ATP-`*<br>*`S_DB`*`>@<`*`ATP_databasename`*`>`<br>`credential=def_cred_name`<br>`dumpfile=<`*`dump_file_cloud_object_s`*<br>*`torage_location`*`>.dmp`<br>`REMAP_TABLESPACE=PKMFT1_ESS:DATA`<br>`REMAP_TABLESPACE=PKMFT1_IAS_OPSS:D`<br>`ATA`<br>`REMAP_TABLESPACE=PKMFT1_IAS_UMS:DA`<br>`TA`<br>`REMAP_TABLESPACE=PKMFT1_IAU:DATA`<br>`REMAP_TABLESPACE=PKMFT1_MDS:DATA`<br>`REMAP_TABLESPACE=PKMFT1_MFT:DATA`<br>`REMAP_TABLESPACE=PKMFT1_STB:DATA`<br>`REMAP_TABLESPACE=PKMFT1_WLS:DATA`<br>`REMAP_TABLESPACE=PKMFT1_IAS_TEMP:T`<br>`EMP` |

**Table A-3    (Cont.) Expdp and Impdp Commands for Excluded Objects**

| Product/Component | Expdp and Impdp Commands |
| --- | --- |
| Oracle WebCenter Portal (WCP) | |
| | `./expdp `*`<schema_prefix>`*`_Webcenter/`*`<Webcenter_schema_password>`*`@`*`<PDB_connect_string>`*` directory=`*`<DPDIR>`*` dumpfile=`*`<dumpfilename>`*`.dmp logfile=`*`<logfilename>`*`.log parfile=`*`<parfilename>`*`.par` |
| | `./impdp admin/`*`<admin_password_for_ATP-S_DB>`*`@`*`<ATP_databasename>`*` credential=DEF_CRED_NAME dumpfile=`*`<dump_file_cloud_object_storage_location>`*`.dmp` |
| Oracle WebCenter Content (WCC) | NA |
| Oracle WebCenter Sites (WCS) | NA |
| Metadata Services (MDS) | |
| | `./expdp `*`<schema_prefix>`*`_MDS/`*`<MDS_schema_password>`*`@`*`<PDB_connect_string>`*` directory=`*`<DPDIR>`*` dumpfile=`*`<dumpfilename>`*`.dmp logfile=`*`<logfilename>`*`.log parfile=`*`<parfilename>`*`.par` |
| | `./impdp admin/`*`<admin_password_for_ATP-S_DB>`*`@`*`<ATP_databasename>`*` credential=DEF_CRED_NAME dumpfile=`*`<dump_file_cloud_object_storage_location>`*`.dmp` |

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# B

# Oracle GoldenGate Unsupported Objects and Objects in CPAT Tool Errors

In Oracle Autonomous Transaction Processing-Shared (ATP-S) database migration using Database Migration (DMS) service, the Oracle GoldenGate unsupported objects, and some objects that cause errors in the CPAT tool need to be excluded from the migration job.

The following tables provide information for the Oracle Fusion Middleware products, wherever applicable.

**Oracle GoldenGate Unsupported Objects To Be Excluded**

The Oracle GoldenGate unsupported objects need to be excluded from the migration job as these objects fail during the validation phase in ATP-S migration. Table B-1 lists the Oracle GoldenGate unsupported objects that need to be excluded from the migration job. For excluded tables listed with "xxxxxx" in the table name, replace "xxxxxx" with the numeric value in your specific schema table name.

> **Note:**
>
> When excluding tables with "$", use the backslash (\) escape character. For example, `DR\$FT_IDCTEXT1\$U`.
> The following table lists sample Oracle GoldenGate unsupported objects to be excluded from the migration job. Based on your setup, provide any additional GoldenGate unsupported objects, if required.

**Table B-1    Oracle GoldenGate Unsupported Objects To Be Excluded**

| Product/Component | Unsupported Objects |
|---|---|
| Metadata Services (MDS) | `MDS.MDS_PURGE_PATHS` |

**Table B-1    (Cont.) Oracle GoldenGate Unsupported Objects To Be Excluded**

| Product/Component | Unsupported Objects |
|---|---|
| SOA for Oracle Identity Manager (OIM) | |
| | SOAINFRA.AIA_CAVSCALLBACKJMSQTAB |
| | SOAINFRA.IP_QTAB |
| | SOAINFRA.AQ$_IP_QTAB_S |
| | SOAINFRA.AQ$_IP_QTAB_T |
| | SOAINFRA.AQ$_IP_QTAB_H |
| | SOAINFRA.AQ$_IP_QTAB_L |
| | SOAINFRA.SYS_IOT_OVER_xxxxx |
| | SOAINFRA.AQ$_IP_QTAB_G |
| | SOAINFRA.AQ$_IP_QTAB_I |
| | SOAINFRA.EDN_EVENT_QUEUE_TABLE |
| | SOAINFRA.AQ$_EDN_EVENT_QUEUE_TABLE_S |
| | SOAINFRA.AQ$_EDN_EVENT_QUEUE_TABLE_T |
| | SOAINFRA.AQ$_EDN_EVENT_QUEUE_TABLE_H |
| | SOAINFRA.AQ$_EDN_EVENT_QUEUE_TABLE_L |
| | SOAINFRA.SYS_IOT_OVER_xxxxx |
| | SOAINFRA.AQ$_EDN_EVENT_QUEUE_TABLE_G |
| | SOAINFRA.AQ$_EDN_EVENT_QUEUE_TABLE_I |
| | SOAINFRA.AQ$_EDN_OAOO_DELIVERY_TABLE_S |
| | SOAINFRA.AQ$_EDN_OAOO_DELIVERY_TABLE_T |
| | SOAINFRA.AQ$_EDN_OAOO_DELIVERY_TABLE_H |
| | SOAINFRA.AQ$_EDN_OAOO_DELIVERY_TABLE_L |
| | SOAINFRA.SYS_IOT_OVER_xxxxx |
| | SOAINFRA.AQ$_EDN_OAOO_DELIVERY_TABLE_G |
| | SOAINFRA.AQ$_EDN_OAOO_DELIVERY_TABLE_I |
| | SOAINFRA.EDN_AQJMS_TOPIC_TABLE |
| | SOAINFRA.AQ$_EDN_AQJMS_TOPIC_TABLE_S |
| | SOAINFRA.AQ$_EDN_AQJMS_TOPIC_TABLE_T |
| | SOAINFRA.AQ$_EDN_AQJMS_TOPIC_TABLE_H |
| | SOAINFRA.AQ$_EDN_AQJMS_TOPIC_TABLE_L |
| | SOAINFRA.SYS_IOT_OVER_xxxxx |
| | SOAINFRA.AQ$_EDN_AQJMS_TOPIC_TABLE_G |
| | SOAINFRA.AQ$_EDN_AQJMS_TOPIC_TABLE_I |
| | SOAINFRA.TASK_NOTIFICATION_Q_T |
| | SOAINFRA.RUPD$_MFT_SOURCE_MESSAGE |
| | SOAINFRA.RUPD$_MFT_TRANSFER_INSTANCE |
| | SOAINFRA.RUPD$_MFT_TARGET_INSTANCE |
| | SOAINFRA.RUPD$_MFT_TARGET_MESSAGE |
| | SOAINFRA.RUPD$_MFT_DATA_STORAGE |
| | SOAINFRA.OSB_SFTP_TRANSPORT_TBL |
| | SOAINFRA.OSB_EMAIL_TRANSPORT_TBL |
| | SOAINFRA.OSB_FILE_TRANSPORT_TBL |
| | SOAINFRA.OSB_REPORTING_TBL |
| | SOAINFRA.OSB_REPORTING_ERROR_TBL |
| | SOAINFRA.OSB_PURGE_TBL |
| | SOAINFRA.TEMP_FLOWID_PURGE_GLB |
| | SOAINFRA.TEMP_CUBE_INSTANCE_GLB |
| | SOAINFRA.TEMP_DOCUMENT_CI_REF_GLB |
| | SOAINFRA.TEMP_DOCUMENT_DLV_MSG_REF_GLB |

**Table B-1    (Cont.) Oracle GoldenGate Unsupported Objects To Be Excluded**

| Product/Component | Unsupported Objects |
| --- | --- |
| | `SOAINFRA.TEMP_BRDECISION_INSTANCE_GLB` |
| | `SOAINFRA.TEMP_WFTASK_PURGE_GLB` |
| | `SOAINFRA.TEMP_MEDIATOR_DEFERRED_GLB` |
| | `SOAINFRA.TEMP_MEDIATOR_RESEQUENCER_GLB` |
| | `SOAINFRA.UPGRADE_CURRENT_SEQUENCE_TEMP` |
| | `SOAINFRA.TEMP_UPGRADE_ECID` |
| | `SOAINFRA.TEMP_UPGRADE_CI` |
| | `SOAINFRA.TEMP_UPGRADE_DLV_MSG` |
| | `SOAINFRA.TEMP_UPGRADE_DLV_ECID_MAP` |
| | `SOAINFRA.TEMP_UPGRADE_WKITM_CI` |
| | `SOAINFRA.TEMP_UPGRADE_WFTASK` |
| | `SOAINFRA.TEMP_UPGRADE_BRDECISION` |
| | `SOAINFRA.TEMP_UPGRADE_MI` |
| | `SOAINFRA.TEMP_UPGRADE_MCI` |
| | `SOAINFRA.TEMP_UPGRADE_MCDV` |
| | `SOAINFRA.TEMP_UPGRADE_CPST_INST` |
| | `SOAINFRA.B2B_BAM_QTAB` |
| | `SOAINFRA.OSB_FTP_TRANSPORT_TBL` |
| | `SOAINFRA.EDN_OAOO_DELIVERY_TABLE` |
| Oracle Identity Manager (OIM) | |
| | `OIM.DR$CAT_TAGS$I` |
| | `OIM.DR$CAT_TAGS$K` |
| | `OIM.DR$CAT_TAGS$N` |
| | `OIM.DR$CAT_TAGS$U` |
| | `OIM.DR$CAT_TAGS$S` |
| | `OIM.OIM_TMP_MLS_TABLE` |
| | `OIM.OIM_TMP_RECON_MLS_TABLE` |
| | `OIM.COUN_LOG_TAB` |
| | `OIM.TEMP_REC_TABLE` |
| | `OIM.TEMP_REC_TAB` |
| | `OIM.TEMP_REC_TAB_1` |
| | `OIM.TEMP_REC_TAB_2` |
| | `OIM.TEMP_REC_DYNAMIC` |
| | `OIM.TEMP_TABLE` |
| | `OIM.TEMP_TABLES_TO_DROP` |
| | `OIM.TEMP_ORGANIZATION_USERS` |
| | `OIM.CATALOG_HIERARCHICAL_ATTR_EVAL` |

**Table B-1   (Cont.) Oracle GoldenGate Unsupported Objects To Be Excluded**

| Product/Component | Unsupported Objects |
|---|---|
| SOA/Oracle Business Process Management | SOAINFRA.AIA_CAVSCALLBACKJMSQTAB<br>SOAINFRA.IP_QTAB<br>SOAINFRA.AQ$_IP_QTAB_S<br>SOAINFRA.AQ$_IP_QTAB_T<br>SOAINFRA.AQ$_IP_QTAB_H<br>SOAINFRA.AQ$_IP_QTAB_L<br>SOAINFRA.SYS_IOT_OVER_xxxxx<br>SOAINFRA.AQ$_IP_QTAB_G<br>SOAINFRA.AQ$_IP_QTAB_I<br>SOAINFRA.EDN_EVENT_QUEUE_TABLE<br>SOAINFRA.AQ$_EDN_EVENT_QUEUE_TABLE_S<br>SOAINFRA.AQ$_EDN_EVENT_QUEUE_TABLE_T<br>SOAINFRA.AQ$_EDN_EVENT_QUEUE_TABLE_H<br>SOAINFRA.AQ$_EDN_EVENT_QUEUE_TABLE_L<br>SOAINFRA.SYS_IOT_OVER_xxxxx<br>SOAINFRA.AQ$_EDN_EVENT_QUEUE_TABLE_G<br>SOAINFRA.AQ$_EDN_EVENT_QUEUE_TABLE_I<br>SOAINFRA.EDN_OAOO_DELIVERY_TABLE<br>SOAINFRA.AQ$_EDN_OAOO_DELIVERY_TABLE_S<br>SOAINFRA.AQ$_EDN_OAOO_DELIVERY_TABLE_T<br>SOAINFRA.AQ$_EDN_OAOO_DELIVERY_TABLE_H<br>SOAINFRA.AQ$_EDN_OAOO_DELIVERY_TABLE_L<br>SOAINFRA.SYS_IOT_OVER_xxxxx<br>SOAINFRA.AQ$_EDN_OAOO_DELIVERY_TABLE_G<br>SOAINFRA.AQ$_EDN_OAOO_DELIVERY_TABLE_I<br>SOAINFRA.EDN_AQJMS_TOPIC_TABLE<br>SOAINFRA.AQ$_EDN_AQJMS_TOPIC_TABLE_S<br>SOAINFRA.AQ$_EDN_AQJMS_TOPIC_TABLE_T<br>SOAINFRA.AQ$_EDN_AQJMS_TOPIC_TABLE_H<br>SOAINFRA.AQ$_EDN_AQJMS_TOPIC_TABLE_L<br>SOAINFRA.SYS_IOT_OVER_xxxxx<br>SOAINFRA.AQ$_EDN_AQJMS_TOPIC_TABLE_G<br>SOAINFRA.AQ$_EDN_AQJMS_TOPIC_TABLE_I<br>SOAINFRA.TASK_NOTIFICATION_Q_T<br>SOAINFRA.RUPD$_MFT_SOURCE_MESSAGE<br>SOAINFRA.RUPD$_MFT_TRANSFER_INSTANCE<br>SOAINFRA.RUPD$_MFT_TARGET_INSTANCE<br>SOAINFRA.RUPD$_MFT_TARGET_MESSAGE<br>SOAINFRA.RUPD$_MFT_DATA_STORAGE<br>SOAINFRA.OSB_FTP_TRANSPORT_TBL<br>SOAINFRA.OSB_SFTP_TRANSPORT_TBL<br>SOAINFRA.OSB_EMAIL_TRANSPORT_TBL<br>SOAINFRA.OSB_FILE_TRANSPORT_TBL<br>SOAINFRA.OSB_REPORTING_TBL<br>SOAINFRA.OSB_REPORTING_ERROR_TBL<br>SOAINFRA.OSB_PURGE_TBL<br>SOAINFRA.TEMP_FLOWID_PURGE_GLB<br>SOAINFRA.TEMP_CUBE_INSTANCE_GLB |

**Table B-1    (Cont.) Oracle GoldenGate Unsupported Objects To Be Excluded**

| Product/Component | Unsupported Objects |
| --- | --- |
| | SOAINFRA.TEMP_DOCUMENT_CI_REF_GLB<br>SOAINFRA.TEMP_DOCUMENT_DLV_MSG_REF_GLB<br>SOAINFRA.TEMP_BRDECISION_INSTANCE_GLB<br>SOAINFRA.TEMP_WFTASK_PURGE_GLB<br>SOAINFRA.TEMP_MEDIATOR_DEFERRED_GLB<br>SOAINFRA.TEMP_MEDIATOR_RESEQUENCER_GLB<br>SOAINFRA.UPGRADE_CURRENT_SEQUENCE_TEMP<br>SOAINFRA.TEMP_UPGRADE_ECID<br>SOAINFRA.TEMP_UPGRADE_CI<br>SOAINFRA.TEMP_UPGRADE_DLV_MSG<br>SOAINFRA.TEMP_UPGRADE_DLV_ECID_MAP<br>SOAINFRA.TEMP_UPGRADE_WKITM_CI<br>SOAINFRA.TEMP_UPGRADE_WFTASK<br>SOAINFRA.TEMP_UPGRADE_BRDECISION<br>SOAINFRA.TEMP_UPGRADE_MI<br>SOAINFRA.TEMP_UPGRADE_MCI<br>SOAINFRA.TEMP_UPGRADE_MCDV<br>SOAINFRA.TEMP_UPGRADE_CPST_INST<br>SOAINFRA.B2B_BAM_QTAB<br>SOAINFRA.CLUSTER_NODE |

**Table B-1    (Cont.) Oracle GoldenGate Unsupported Objects To Be Excluded**

| Product/Component | Unsupported Objects |
|---|---|
| SOA/Oracle Business Activity Monitoring (BAM) | SOAINFRA.AIA_CAVSCALLBACKJMSQTAB<br>SOAINFRA.IP_QTAB<br>SOAINFRA.AQ$_IP_QTAB_S<br>SOAINFRA.AQ$_IP_QTAB_T<br>SOAINFRA.AQ$_IP_QTAB_H<br>SOAINFRA.AQ$_IP_QTAB_L<br>SOAINFRA.SYS_IOT_OVER_xxxxx<br>SOAINFRA.AQ$_IP_QTAB_G<br>SOAINFRA.AQ$_IP_QTAB_I<br>SOAINFRA.EDN_EVENT_QUEUE_TABLE<br>SOAINFRA.AQ$_EDN_EVENT_QUEUE_TABLE_S<br>SOAINFRA.AQ$_EDN_EVENT_QUEUE_TABLE_T<br>SOAINFRA.AQ$_EDN_EVENT_QUEUE_TABLE_H<br>SOAINFRA.AQ$_EDN_EVENT_QUEUE_TABLE_L<br>SOAINFRA.SYS_IOT_OVER_xxxxx<br>SOAINFRA.AQ$_EDN_EVENT_QUEUE_TABLE_G<br>SOAINFRA.AQ$_EDN_EVENT_QUEUE_TABLE_I<br>SOAINFRA.EDN_OAOO_DELIVERY_TABLE<br>SOAINFRA.AQ$_EDN_OAOO_DELIVERY_TABLE_S<br>SOAINFRA.AQ$_EDN_OAOO_DELIVERY_TABLE_T<br>SOAINFRA.AQ$_EDN_OAOO_DELIVERY_TABLE_H<br>SOAINFRA.AQ$_EDN_OAOO_DELIVERY_TABLE_L<br>SOAINFRA.SYS_IOT_OVER_xxxxx<br>SOAINFRA.AQ$_EDN_OAOO_DELIVERY_TABLE_G<br>SOAINFRA.AQ$_EDN_OAOO_DELIVERY_TABLE_I<br>SOAINFRA.EDN_AQJMS_TOPIC_TABLE<br>SOAINFRA.AQ$_EDN_AQJMS_TOPIC_TABLE_S<br>SOAINFRA.AQ$_EDN_AQJMS_TOPIC_TABLE_T<br>SOAINFRA.AQ$_EDN_AQJMS_TOPIC_TABLE_H<br>SOAINFRA.AQ$_EDN_AQJMS_TOPIC_TABLE_L<br>SOAINFRA.SYS_IOT_OVER_xxxxx<br>SOAINFRA.AQ$_EDN_AQJMS_TOPIC_TABLE_G<br>SOAINFRA.AQ$_EDN_AQJMS_TOPIC_TABLE_I<br>SOAINFRA.TASK_NOTIFICATION_Q_T<br>SOAINFRA.RUPD$_MFT_SOURCE_MESSAGE<br>SOAINFRA.RUPD$_MFT_TRANSFER_INSTANCE<br>SOAINFRA.RUPD$_MFT_TARGET_INSTANCE<br>SOAINFRA.RUPD$_MFT_TARGET_MESSAGE<br>SOAINFRA.RUPD$_MFT_DATA_STORAGE<br>SOAINFRA.OSB_FTP_TRANSPORT_TBL<br>SOAINFRA.OSB_SFTP_TRANSPORT_TBL<br>SOAINFRA.OSB_EMAIL_TRANSPORT_TBL<br>SOAINFRA.OSB_FILE_TRANSPORT_TBL<br>SOAINFRA.OSB_REPORTING_TBL<br>SOAINFRA.OSB_REPORTING_ERROR_TBL<br>SOAINFRA.OSB_PURGE_TBL<br>SOAINFRA.TEMP_FLOWID_PURGE_GLB<br>SOAINFRA.TEMP_CUBE_INSTANCE_GLB |

**Table B-1    (Cont.) Oracle GoldenGate Unsupported Objects To Be Excluded**

| Product/Component | Unsupported Objects |
|---|---|
| | `SOAINFRA.TEMP_DOCUMENT_CI_REF_GLB`<br>`SOAINFRA.TEMP_DOCUMENT_DLV_MSG_REF_GLB`<br>`SOAINFRA.TEMP_BRDECISION_INSTANCE_GLB`<br>`SOAINFRA.TEMP_WFTASK_PURGE_GLB`<br>`SOAINFRA.TEMP_MEDIATOR_DEFERRED_GLB`<br>`SOAINFRA.TEMP_MEDIATOR_RESEQUENCER_GLB`<br>`SOAINFRA.UPGRADE_CURRENT_SEQUENCE_TEMP`<br>`SOAINFRA.TEMP_UPGRADE_ECID`<br>`SOAINFRA.TEMP_UPGRADE_CI`<br>`SOAINFRA.TEMP_UPGRADE_DLV_MSG`<br>`SOAINFRA.TEMP_UPGRADE_DLV_ECID_MAP`<br>`SOAINFRA.TEMP_UPGRADE_WKITM_CI`<br>`SOAINFRA.TEMP_UPGRADE_WFTASK`<br>`SOAINFRA.TEMP_UPGRADE_BRDECISION`<br>`SOAINFRA.TEMP_UPGRADE_MI`<br>`SOAINFRA.TEMP_UPGRADE_MCI`<br>`SOAINFRA.TEMP_UPGRADE_MCDV`<br>`SOAINFRA.TEMP_UPGRADE_CPST_INST`<br>`SOAINFRA.B2B_BAM_QTAB`<br>`SOAINFRA.CLUSTER_NODE` |
| Oracle Enterprise Scheduler (ESS) | `ESS.ESS_TEMP_REQID` |
| Oracle Managed File Transfer (MFT) | `MFT.RUPD$_MFT_SOURCE_MESSAGE`<br>`MFT.RUPD$_MFT_TRANSFER_INSTANCE`<br>`MFT.RUPD$_MFT_TARGET_INSTANCE`<br>`MFT.RUPD$_MFT_TARGET_MESSAGE`<br>`MFT.RUPD$_MFT_DATA_STORAGE` |
| User Messaging Service (UMS) | `UMS.ORASDPMENGINERCVT1`<br>`UMS.ORASDPMWSRCVT1`<br>`UMS.ORASDPMDRIVERDEFSNDT1`<br>`UMS.ORASDPMENGINEPENDRCVQT`<br>`UMS.ORASDPMAPPDEFRCVT1`<br>`UMS.ORASDPMENGINECMDT`<br>`UMS.ORASDPMENGINESNDT1` |
| Oracle WebCenter Portal (WCP) | `WCP_WEBCENTER.WC_AS_ARCHIVE_TMP` |

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**Table B-1    (Cont.) Oracle GoldenGate Unsupported Objects To Be Excluded**

| Product/Component | Unsupported Objects |
|---|---|
| Oracle WebCenter Content (WCC) | |
| | `WC_OCS.DR$XDONTSHOWINLISTSC7BBF_ZFT$I`<br>`WC_OCS.DR$XDONTSHOWINLISTSC7BBF_ZFT$K`<br>`WC_OCS.DR$XDONTSHOWINLISTSC7BBF_ZFT$N`<br>`WC_OCS.DR$XDONTSHOWINLISTSC7BBF_ZFT$U`<br>`WC_OCS.DR$XWEBSITES_DOCMETA_ZFT$I`<br>`WC_OCS.DR$XWEBSITES_DOCMETA_ZFT$K`<br>`WC_OCS.DR$XWEBSITES_DOCMETA_ZFT$N`<br>`WC_OCS.DR$XWEBSITES_DOCMETA_ZFT$U`<br>`WC_OCS.DR$FT_IDCTEXT1$I`<br>`WC_OCS.DR$FT_IDCTEXT1$K`<br>`WC_OCS.DR$FT_IDCTEXT1$N`<br>`WC_OCS.DR$FT_IDCTEXT1$U`<br>`WC_OCS.DR$FT_IDCTEXT1$S`<br>`WC_OCS.DR$FT_IDCTEXT2$I`<br>`WC_OCS.DR$FT_IDCTEXT2$K`<br>`WC_OCS.DR$FT_IDCTEXT2$N`<br>`WC_OCS.DR$FT_IDCTEXT2$U`<br>`WC_OCS.DR$FT_IDCTEXT2$S` |
| Oracle Enterprise Data Quality (EDQ) | |
| | `EDQ_STAGING` |
| | Owner is `SCHEMA_PREFIX_EDQSTAGING`, object name is ".*", and object type should be *ALL*. |

**Objects To Be Excluded from the Migration Job due to CPAT Tool Errors**

The check names in the CPAT tool like `gg_not_unique`, `has_tables_with_xmltype_column`, `has_refs_to_restricted_packages`, and `has_xmlschema_objects` list errors in the CPAT tool. Some of these objects need to be excluded from the migration job and some need not be excluded from the migration job. Table B-2 lists the objects that cause errors in the CPAT tool and need to be excluded from the migration job. However, even after excluding these objects, you see the same errors in the CPAT tool, and these errors can be ignored.

> ✎ **Note:**
>
> The following table lists the sample objects to be excluded from the migration job due to CPAT tool errors for the applicable Oracle Fusion Middleware products, only.

**Table B-2    Objects To Be Excluded from the Migration Job due to CPAT Tool Errors**

| Product/Component | GG_not_unique Tables | Tables with xmltype Column | Objects with Reference to restricted_packages | xmlschema Objects |
|---|---|---|---|---|
| Oracle Identity Manager (OIM) | `OIM.ORG_AVAILABLE_ROLES` `OIM.RECON_ACCOUNT_OLDSTATE` `OIM.RECON_UGP_OLDSTATE` `OIM.RECON_USER_OLDSTATE` `OIM.REQUEST_ENTITY_ATTR_VALUES` | `OIM.CATALOG_HIERARCHICAL_ATTR` | `OIM PIN_OBJ PROCEDURE,` `OIM PIN_SP PROCEDURE` | `http://localhost/public/xsd/hierarchicalEntitlement.xsd` When excluding in the DMS user interface, enter as: Action: `Exclude` Owner: `.*` Name: `.*` Object type: `XMLSCHEMA` |

**Objects Not To Be Excluded From the Migration Job**

The check names, `gg_not_unique` and `has_refs_to_restricted_packages` list errors in the CPAT tool. However, some of these objects need not be excluded from the migration job, and any errors related to these objects in the CPAT tool can be ignored. Table B-3 lists the objects that need not be excluded from the migration job. Any errors displayed in the CPAT tool can be ignored.

> **Note:**
>
> The following table lists the sample objects not to be excluded from the migration job for the applicable Oracle Fusion Middleware products, only.

**Table B-3    Objects Not To Be Excluded From the Migration Job**

| Product/Component | GG_not_unique Tables Not To Be Excluded from the Migration Job | Objects with Reference to Restricted Packages Not To Be Excluded from the Migration Job |
|---|---|---|
| WebLogic Services | `WLS.CHECKPOINTDATA` `WLS.WLS_EVENTS` | None |
| Common Infrastructure Services (STB) | `STB.COMPONENT_SCHEMA_INFO` | None |

**Table B-3    (Cont.) Objects Not To Be Excluded From the Migration Job**

| Product/Component | GG_not_unique Tables Not To Be Excluded from the Migration Job | Objects with Reference to Restricted Packages Not To Be Excluded from the Migration Job |
| --- | --- | --- |
| IAU/Oracle Platform Security Services (OPSS) | `IAU.IAU_BASE`<br>`IAU.OAM`<br>`IAU.OHSCOMPONENT`<br>`IAU.OIF`<br>`IAU.STS`<br>`IAU.XMLPSERVER` | None |
| SOA for Oracle Identity Manager (OIM) | `SOAINFRA.BRDECISIONUNITOFWORK`<br>`SOAINFRA.COMPOSITE_INSTANCE_FAULT`<br>`SOAINFRA.COMPOSITE_SENSOR_VALUE`<br>`SOAINFRA.EDN_EVENT_ERROR_STORE`<br>`SOAINFRA.EDN_LOG_MESSAGES`<br>`SOAINFRA.EIS_CONNECTION_DOWN_TIME`<br>`SOAINFRA.MEDIATOR_CASE_DETAIL`<br>`SOAINFRA.MEDIATOR_PAYLOAD`<br>`SOAINFRA.NOTIFTRACKERATTACHMENTS`<br>`SOAINFRA.REFERENCE_INSTANCE`<br>`SOAINFRA.REJECTED_MESSAGE`<br>`SOAINFRA.SCA_SENSOR_VALUE`<br>`SOAINFRA.WFATTACHMENT`<br>`SOAINFRA.WFMESSAGEATTRIBUTE` | None |
| Oracle Access Manager (OAM) | You can ignore any errors in the CPAT tool. So, you need not exclude these objects. | You can ignore any errors in the CPAT tool. So, you need not exclude these objects. |
| Oracle Identity Manager (OIM) | `OIM.ARCH_CERT_CONFIG`<br>`OIM.ARCH_JOB_HISTORY`<br>`OIM.ARCH_RECON_EXCEPTIONS`<br>`OIM.ARCH_REQUEST_BED`<br>`OIM.ARCH_REQUEST_ENTITY_DATA`<br>`OIM.ARCH_REQUEST_HISTORY`<br>`OIM.ARCH_REQUEST_TA`<br>`OIM.CERT_CONFIG`<br>`OIM.CONNECTOR_UPGRADE`<br>`OIM.MASTER_TEMPLATE`<br>`OIM.OFFLINE_PRG_CMN_METADATA_DDL`<br>`OIM.OIA_DC_SESSION_DETAILS`<br>`OIM.OSI_RESTORE`<br>`OIM.SCH_RESTORE` | None |

**Table B-3    (Cont.) Objects Not To Be Excluded From the Migration Job**

| Product/Component | GG_not_unique Tables Not To Be Excluded from the Migration Job | Objects with Reference to Restricted Packages Not To Be Excluded from the Migration Job |
| --- | --- | --- |
| Oracle Internet Directory | ODS.DS_BATTRSTORE<br>ODS.P1_DS_BATTRSTORE | LDAP_PLUGIN |
| SOA/Oracle Business Process Management | BRDECISIONUNITOFWORK<br>COMPOSITE_INSTANCE_FAULT<br>COMPOSITE_SENSOR_VALUE<br>EDN_EVENT_ERROR_STORE<br>EDN_LOG_MESSAGES<br><br>EIS_CONNECTION_DOWN_TIME<br>MEDIATOR_CASE_DETAIL<br>MEDIATOR_PAYLOAD<br><br>NOTIFTRACKERATTACHMENTS<br>REFERENCE_INSTANCE<br>REJECTED_MESSAGE<br><br>SCA_SENSOR_VALUE<br><br>WFATTACHMENT<br><br>WFMESSAGEATTRIBUTE | None |

**Table B-3    (Cont.) Objects Not To Be Excluded From the Migration Job**

| Product/Component | GG_not_unique Tables Not To Be Excluded from the Migration Job | Objects with Reference to Restricted Packages Not To Be Excluded from the Migration Job |
|---|---|---|
| SOA/Oracle Business Activity Monitoring (BAM) | `BRDECISIONUNITOFWORK` `COMPOSITE_INSTANCE_FAULT` `COMPOSITE_SENSOR_VALUE` `EDN_EVENT_ERROR_STORE` `EDN_LOG_MESSAGES` `EIS_CONNECTION_DOWN_TIME` `MEDIATOR_CASE_DETAIL` `MEDIATOR_PAYLOAD` `NOTIFTRACKERATTACHMENTS` `REFERENCE_INSTANCE` `REJECTED_MESSAGE` `SCA_SENSOR_VALUE` `WFATTACHMENT` `WFMESSAGEATTRIBUTE` | None |
| Oracle Managed File Transfer (MFT) | `EIS_CONNECTION_DOWN_TIME` | None |
| Oracle Enterprise Data Quality | `DN_TASKSTATUS(EDQCONFIG)` `DN_RESULTSSTORE(EDQRESULTS)` | None |
| Oracle GoldenGate Veridata | You can ignore any errors in the CPAT tool. So, you need not exclude these objects. | None |

# C

# Consolidated List of Excluded Tables, Packages, and Schemas

In Oracle Autonomous Transaction Processing-Shared (ATP-S) database migration using Database Migration (DMS) service, some tables, packages, and XML schemas need to be excluded from the DMS migration job.

**Consolidated List of Tables, and Packages and XML Schemas to Exclude in DMS User Interface**

Table C-1 provides the list of objects to be excluded in the DMS user interface, which is the consolidated list of objects in Table B-1 and Table B-2.

For excluded tables listed with "xxxxxx"in their table name below, replace "xxxxxx" with the numeric value in your specific schema table name.

> ✎ **Note:**
>
> When excluding tables with "$", use the backslash (\) escape character. For example, `DR\$FT_IDCTEXT1\$U`.
> The table provides sample information for the Oracle Fusion Middleware products, wherever applicable. Based on your setup, provide any additional objects, if required.

**Table C-1    Consolidated List of Tables, and Packages and XML Schemas to Exclude in DMS User Interface**

| Product | Excluded Tables | Excluded Packages and XML Schemas |
|---|---|---|
| Oracle Access Manager (OAM) | Tables: <br> **Metadata Services** <br><br> `MDS.MDS_PURGE_PATHS` | NA |

**Table C-1 (Cont.) Consolidated List of Tables, and Packages and XML Schemas to Exclude in DMS User Interface**

| Product | Excluded Tables | Excluded Packages and XML Schemas |
|---|---|---|
| Oracle Identity Manager (OIM) | Tables:<br>**Metadata Services**<br><br>`MDS.MDS_PURGE_PATHS`<br><br>**User Messaging Service**<br><br>`UMS.ORASDPMENGINERCVT1`<br>`UMS.ORASDPMWSRCVT1`<br>`UMS.ORASDPMDRIVERDEFSNDT1`<br>`UMS.ORASDPMENGINEPENDRCVQT`<br>`UMS.ORASDPMAPPDEFRCVT1`<br>`UMS.ORASDPMENGINECMDT`<br>`UMS.ORASDPMENGINESNDT`<br><br>**SOAINFRA**<br><br>`SOAINFRA.TEMP_CUBE_INSTANCE_GLB`<br>`SOAINFRA.TEMP_DOCUMENT_CI_REF_GLB`<br>`SOAINFRA.TEMP_DOCUMENT_DLV_MSG_REF_GLB`<br>`SOAINFRA.TEMP_BRDECISION_INSTANCE_GLB`<br>`SOAINFRA.TEMP_WFTASK_PURGE_GLB`<br>`SOAINFRA.TEMP_MEDIATOR_DEFERRED_GLB`<br>`SOAINFRA.TEMP_MEDIATOR_RESEQUENCER_GLB`<br>`SOAINFRA.TEMP_FLOWID_PURGE_GLB`<br>`SOAINFRA.B2B_BAM_QTAB`<br>`SOAINFRA.RUPD$_MFT_DATA_STORAGE`<br>`SOAINFRA.OSB_FTP_TRANSPORT_TBL`<br>`SOAINFRA.OSB_SFTP_TRANSPORT_TBL`<br>`SOAINFRA.OSB_EMAIL_TRANSPORT_TBL`<br>`SOAINFRA.AIA_CAVSCALLBACKJMSQTAB`<br>`SOAINFRA.OSB_PURGE_TBL`<br>`SOAINFRA.OSB_FILE_TRANSPORT_TBL`<br>`SOAINFRA.OSB_REPORTING_TBL`<br>`SOAINFRA.OSB_REPORTING_ERROR_TBL`<br>`SOAINFRA.IP_QTAB`<br>`SOAINFRA.AQ$_IP_QTAB_S`<br>`SOAINFRA.AQ$_IP_QTAB_T`<br>`SOAINFRA.AQ$_IP_QTAB_H`<br>`SOAINFRA.AQ$_IP_QTAB_L`<br>`SOAINFRA.AQ$_IP_QTAB_G`<br>`SOAINFRA.AQ$_IP_QTAB_I`<br>`SOAINFRA.EDN_EVENT_QUEUE_TABLE`<br>`SOAINFRA.AQ$_EDN_EVENT_QUEUE_TABLE_S`<br>`SOAINFRA.AQ$_EDN_EVENT_QUEUE_TABLE_T`<br>`SOAINFRA.AQ$_EDN_EVENT_QUEUE_TABLE_H` | **Packages:**<br>OIM<br><br>`OIM.PIN_OBJ`<br>`OIM.PIN_SP`<br><br>**XML Schemas:**<br>OIM<br>`http://localhost/`<br>`public/xsd/`<br>`hierarchicalEntitlem`<br>`ent.xsd`<br><br>When excluding in the DMS user interface, enter as:<br>Action: `Exclude`<br>Owner: `.*`<br>Name: `.*`<br>Object type: `XMLSCHEMA` |

**Table C-1   (Cont.) Consolidated List of Tables, and Packages and XML Schemas to Exclude in DMS User Interface**

| Product | Excluded Tables | Excluded Packages and XML Schemas |
|---|---|---|
| | SOAINFRA.AQ$_EDN_EVENT_QUEUE_TABLE_L | |
| | SOAINFRA.AQ$_EDN_EVENT_QUEUE_TABLE_G | |
| | SOAINFRA.AQ$_EDN_EVENT_QUEUE_TABLE_I | |
| | SOAINFRA.EDN_OAOO_DELIVERY_TABLE | |
| | SOAINFRA.AQ$_EDN_OAOO_DELIVERY_TABLE_S | |
| | SOAINFRA.AQ$_EDN_OAOO_DELIVERY_TABLE_T | |
| | SOAINFRA.AQ$_EDN_OAOO_DELIVERY_TABLE_H | |
| | SOAINFRA.AQ$_EDN_OAOO_DELIVERY_TABLE_L | |
| | SOAINFRA.AQ$_EDN_OAOO_DELIVERY_TABLE_G | |
| | SOAINFRA.AQ$_EDN_OAOO_DELIVERY_TABLE_I | |
| | SOAINFRA.EDN_AQJMS_TOPIC_TABLE | |
| | SOAINFRA.AQ$_EDN_AQJMS_TOPIC_TABLE_S | |
| | SOAINFRA.AQ$_EDN_AQJMS_TOPIC_TABLE_T | |
| | SOAINFRA.AQ$_EDN_AQJMS_TOPIC_TABLE_H | |
| | SOAINFRA.AQ$_EDN_AQJMS_TOPIC_TABLE_L | |
| | SOAINFRA.AQ$_EDN_AQJMS_TOPIC_TABLE_G | |
| | SOAINFRA.AQ$_EDN_AQJMS_TOPIC_TABLE_I | |
| | SOAINFRA.TASK_NOTIFICATION_Q_T | |
| | SOAINFRA.RUPD$_MFT_SOURCE_MESSAGE | |
| | SOAINFRA.RUPD$_MFT_TRANSFER_INSTANCE | |
| | SOAINFRA.RUPD$_MFT_TARGET_INSTANCE | |
| | SOAINFRA.RUPD$_MFT_TARGET_MESSAGE | |
| | SOAINFRA.UPGRADE_CURRENT_SEQUENCE_TEMP | |
| | SOAINFRA.TEMP_UPGRADE_ECID | |
| | SOAINFRA.TEMP_UPGRADE_CI | |
| | SOAINFRA.TEMP_UPGRADE_DLV_MSG | |
| | SOAINFRA.TEMP_UPGRADE_DLV_ECID_MAP | |
| | SOAINFRA.TEMP_UPGRADE_WKITM_CI | |
| | SOAINFRA.TEMP_UPGRADE_WFTASK | |
| | SOAINFRA.TEMP_UPGRADE_BRDECISION | |
| | SOAINFRA.TEMP_UPGRADE_MI | |
| | SOAINFRA.TEMP_UPGRADE_MCI | |
| | SOAINFRA.TEMP_UPGRADE_MCDV | |
| | SOAINFRA.TEMP_UPGRADE_CPST_INST | |
| | SOAINFRA.SYS_IOT_OVER_xxxx | |
| | SOAINFRA.SYS_IOT_OVER_xxxx | |
| | SOAINFRA.SYS_IOT_OVER_xxxx | |
| | SOAINFRA.SYS_IOT_OVER_xxxx | |
| | **Oracle Identity Manager** | |
| | OIM.DR$CAT_TAGS$I | |
| | OIM.DR$CAT_TAGS$K | |
| | OIM.DR$CAT_TAGS$N | |
| | OIM.DR$CAT_TAGS$U | |
| | OIM.DR$CAT_TAGS$S | |

**Table C-1    (Cont.) Consolidated List of Tables, and Packages and XML Schemas to Exclude in DMS User Interface**

| Product | Excluded Tables | Excluded Packages and XML Schemas |
|---------|-----------------|-----------------------------------|
| | OIM.OIM_TMP_MLS_TABLE<br>OIM.OIM_TMP_RECON_MLS_TABLE<br>OIM.COUN_LOG_TAB<br>OIM.TEMP_REC_TABLE<br>OIM.TEMP_REC_TAB<br>OIM.TEMP_REC_TAB_1<br>OIM.TEMP_REC_TAB_2<br>OIM.TEMP_REC_DYNAMIC<br>OIM.TEMP_TABLE<br>OIM.TEMP_TABLES_TO_DROP<br>OIM.TEMP_ORGANIZATION_USERS<br>OIM.CATALOG_HIERARCHICAL_ATTR_EVAL<br>OIM.ORG_AVAILABLE_ROLES<br>OIM.RECON_ACCOUNT_OLDSTATE<br>OIM.RECON_UGP_OLDSTATE<br>OIM.RECON_USER_OLDSTATE<br>OIM.REQUEST_ENTITY_ATTR_VALUES<br>OIM.CATALOG_HIERARCHICAL_ATTR | |

**Table C-1   (Cont.) Consolidated List of Tables, and Packages and XML Schemas to Exclude in DMS User Interface**

| Product | Excluded Tables | Excluded Packages and XML Schemas |
|---|---|---|
| SOA/Oracle Business Process Management | SOAINFRA.AIA_CAVSCALLBACKJMSQTAB<br>SOAINFRA.IP_QTAB<br>SOAINFRA.AQ$_IP_QTAB_S<br>SOAINFRA.AQ$_IP_QTAB_T<br>SOAINFRA.AQ$_IP_QTAB_H<br>SOAINFRA.AQ$_IP_QTAB_L<br>SOAINFRA.SYS_IOT_OVER_xxxxx<br>SOAINFRA.AQ$_IP_QTAB_G<br>SOAINFRA.AQ$_IP_QTAB_I<br>SOAINFRA.EDN_EVENT_QUEUE_TABLE<br>SOAINFRA.AQ$_EDN_EVENT_QUEUE_TABLE_S<br>SOAINFRA.AQ$_EDN_EVENT_QUEUE_TABLE_T<br>SOAINFRA.AQ$_EDN_EVENT_QUEUE_TABLE_H<br>SOAINFRA.AQ$_EDN_EVENT_QUEUE_TABLE_L<br>SOAINFRA.SYS_IOT_OVER_xxxxx<br>SOAINFRA.AQ$_EDN_EVENT_QUEUE_TABLE_G<br>SOAINFRA.AQ$_EDN_EVENT_QUEUE_TABLE_I<br>SOAINFRA.EDN_OAOO_DELIVERY_TABLE<br>SOAINFRA.AQ$_EDN_OAOO_DELIVERY_TABLE_S<br>SOAINFRA.AQ$_EDN_OAOO_DELIVERY_TABLE_T<br>SOAINFRA.AQ$_EDN_OAOO_DELIVERY_TABLE_H<br>SOAINFRA.AQ$_EDN_OAOO_DELIVERY_TABLE_L<br>SOAINFRA.SYS_IOT_OVER_xxxxx<br>SOAINFRA.AQ$_EDN_OAOO_DELIVERY_TABLE_G<br>SOAINFRA.AQ$_EDN_OAOO_DELIVERY_TABLE_I<br>SOAINFRA.EDN_AQJMS_TOPIC_TABLE<br>SOAINFRA.AQ$_EDN_AQJMS_TOPIC_TABLE_S<br>SOAINFRA.AQ$_EDN_AQJMS_TOPIC_TABLE_T<br>SOAINFRA.AQ$_EDN_AQJMS_TOPIC_TABLE_H<br>SOAINFRA.AQ$_EDN_AQJMS_TOPIC_TABLE_L<br>SOAINFRA.SYS_IOT_OVER_xxxxx<br>SOAINFRA.AQ$_EDN_AQJMS_TOPIC_TABLE_G<br>SOAINFRA.AQ$_EDN_AQJMS_TOPIC_TABLE_I<br>SOAINFRA.TASK_NOTIFICATION_Q_T<br>SOAINFRA.RUPD$_MFT_SOURCE_MESSAGE<br>SOAINFRA.RUPD$_MFT_TRANSFER_INSTANCE<br>SOAINFRA.RUPD$_MFT_TARGET_INSTANCE<br>SOAINFRA.RUPD$_MFT_TARGET_MESSAGE<br>SOAINFRA.RUPD$_MFT_DATA_STORAGE<br>SOAINFRA.OSB_FTP_TRANSPORT_TBL<br>SOAINFRA.OSB_SFTP_TRANSPORT_TBL<br>SOAINFRA.OSB_EMAIL_TRANSPORT_TBL<br>SOAINFRA.OSB_FILE_TRANSPORT_TBL<br>SOAINFRA.OSB_REPORTING_TBL<br>SOAINFRA.OSB_REPORTING_ERROR_TBL<br>SOAINFRA.OSB_PURGE_TBL | NA |

**Table C-1    (Cont.) Consolidated List of Tables, and Packages and XML Schemas to Exclude in DMS User Interface**

| Product | Excluded Tables | Excluded Packages and XML Schemas |
|---|---|---|
| | SOAINFRA.TEMP_FLOWID_PURGE_GLB<br>SOAINFRA.TEMP_CUBE_INSTANCE_GLB<br>SOAINFRA.TEMP_DOCUMENT_CI_REF_GLB<br>SOAINFRA.TEMP_DOCUMENT_DLV_MSG_REF_GLB<br>SOAINFRA.TEMP_BRDECISION_INSTANCE_GLB<br>SOAINFRA.TEMP_WFTASK_PURGE_GLB<br>SOAINFRA.TEMP_MEDIATOR_DEFERRED_GLB<br>SOAINFRA.TEMP_MEDIATOR_RESEQUENCER_GLB<br>SOAINFRA.UPGRADE_CURRENT_SEQUENCE_TEMP<br>SOAINFRA.TEMP_UPGRADE_ECID<br>SOAINFRA.TEMP_UPGRADE_CI<br>SOAINFRA.TEMP_UPGRADE_DLV_MSG<br>SOAINFRA.TEMP_UPGRADE_DLV_ECID_MAP<br>SOAINFRA.TEMP_UPGRADE_WKITM_CI<br>SOAINFRA.TEMP_UPGRADE_WFTASK<br>SOAINFRA.TEMP_UPGRADE_BRDECISION<br>SOAINFRA.TEMP_UPGRADE_MI<br>SOAINFRA.TEMP_UPGRADE_MCI<br>SOAINFRA.TEMP_UPGRADE_MCDV<br>SOAINFRA.TEMP_UPGRADE_CPST_INST<br>SOAINFRA.B2B_BAM_QTAB<br>SOAINFRA.CLUSTER_NODE<br>PROCOBJ | |

**Table C-1    (Cont.) Consolidated List of Tables, and Packages and XML Schemas to Exclude in DMS User Interface**

| Product | Excluded Tables | Excluded Packages and XML Schemas |
| --- | --- | --- |
| SOA/Oracle Business Activity Monitoring (BAM) | SOAINFRA.AIA_CAVSCALLBACKJMSQTAB<br>SOAINFRA.IP_QTAB<br>SOAINFRA.AQ$_IP_QTAB_S<br>SOAINFRA.AQ$_IP_QTAB_T<br>SOAINFRA.AQ$_IP_QTAB_H<br>SOAINFRA.AQ$_IP_QTAB_L<br>SOAINFRA.SYS_IOT_OVER_xxxxx<br>SOAINFRA.AQ$_IP_QTAB_G<br>SOAINFRA.AQ$_IP_QTAB_I<br>SOAINFRA.EDN_EVENT_QUEUE_TABLE<br>SOAINFRA.AQ$_EDN_EVENT_QUEUE_TABLE_S<br>SOAINFRA.AQ$_EDN_EVENT_QUEUE_TABLE_T<br>SOAINFRA.AQ$_EDN_EVENT_QUEUE_TABLE_H<br>SOAINFRA.AQ$_EDN_EVENT_QUEUE_TABLE_L<br>SOAINFRA.SYS_IOT_OVER_xxxxx<br>SOAINFRA.AQ$_EDN_EVENT_QUEUE_TABLE_G<br>SOAINFRA.AQ$_EDN_EVENT_QUEUE_TABLE_I<br>SOAINFRA.EDN_OAOO_DELIVERY_TABLE<br>SOAINFRA.AQ$_EDN_OAOO_DELIVERY_TABLE_S<br>SOAINFRA.AQ$_EDN_OAOO_DELIVERY_TABLE_T<br>SOAINFRA.AQ$_EDN_OAOO_DELIVERY_TABLE_H<br>SOAINFRA.AQ$_EDN_OAOO_DELIVERY_TABLE_L<br>SOAINFRA.SYS_IOT_OVER_xxxxx<br>SOAINFRA.AQ$_EDN_OAOO_DELIVERY_TABLE_G<br>SOAINFRA.AQ$_EDN_OAOO_DELIVERY_TABLE_I<br>SOAINFRA.EDN_AQJMS_TOPIC_TABLE<br>SOAINFRA.AQ$_EDN_AQJMS_TOPIC_TABLE_S<br>SOAINFRA.AQ$_EDN_AQJMS_TOPIC_TABLE_T<br>SOAINFRA.AQ$_EDN_AQJMS_TOPIC_TABLE_H<br>SOAINFRA.AQ$_EDN_AQJMS_TOPIC_TABLE_L<br>SOAINFRA.SYS_IOT_OVER_xxxxx<br>SOAINFRA.AQ$_EDN_AQJMS_TOPIC_TABLE_G<br>SOAINFRA.AQ$_EDN_AQJMS_TOPIC_TABLE_I<br>SOAINFRA.TASK_NOTIFICATION_Q_T<br>SOAINFRA.RUPD$_MFT_SOURCE_MESSAGE<br>SOAINFRA.RUPD$_MFT_TRANSFER_INSTANCE<br>SOAINFRA.RUPD$_MFT_TARGET_INSTANCE<br>SOAINFRA.RUPD$_MFT_TARGET_MESSAGE<br>SOAINFRA.RUPD$_MFT_DATA_STORAGE<br>SOAINFRA.OSB_FTP_TRANSPORT_TBL<br>SOAINFRA.OSB_SFTP_TRANSPORT_TBL<br>SOAINFRA.OSB_EMAIL_TRANSPORT_TBL<br>SOAINFRA.OSB_FILE_TRANSPORT_TBL<br>SOAINFRA.OSB_REPORTING_TBL<br>SOAINFRA.OSB_REPORTING_ERROR_TBL<br>SOAINFRA.OSB_PURGE_TBL | NA |

**Table C-1    (Cont.) Consolidated List of Tables, and Packages and XML Schemas to Exclude in DMS User Interface**

| Product | Excluded Tables | Excluded Packages and XML Schemas |
|---|---|---|
| | `SOAINFRA.TEMP_FLOWID_PURGE_GLB`<br>`SOAINFRA.TEMP_CUBE_INSTANCE_GLB`<br>`SOAINFRA.TEMP_DOCUMENT_CI_REF_GLB`<br>`SOAINFRA.TEMP_DOCUMENT_DLV_MSG_REF_GLB`<br>`SOAINFRA.TEMP_BRDECISION_INSTANCE_GLB`<br>`SOAINFRA.TEMP_WFTASK_PURGE_GLB`<br>`SOAINFRA.TEMP_MEDIATOR_DEFERRED_GLB`<br>`SOAINFRA.TEMP_MEDIATOR_RESEQUENCER_GLB`<br>`SOAINFRA.UPGRADE_CURRENT_SEQUENCE_TEMP`<br>`SOAINFRA.TEMP_UPGRADE_ECID`<br>`SOAINFRA.TEMP_UPGRADE_CI`<br>`SOAINFRA.TEMP_UPGRADE_DLV_MSG`<br>`SOAINFRA.TEMP_UPGRADE_DLV_ECID_MAP`<br>`SOAINFRA.TEMP_UPGRADE_WKITM_CI`<br>`SOAINFRA.TEMP_UPGRADE_WFTASK`<br>`SOAINFRA.TEMP_UPGRADE_BRDECISION`<br>`SOAINFRA.TEMP_UPGRADE_MI`<br>`SOAINFRA.TEMP_UPGRADE_MCI`<br>`SOAINFRA.TEMP_UPGRADE_MCDV`<br>`SOAINFRA.TEMP_UPGRADE_CPST_INST`<br>`SOAINFRA.B2B_BAM_QTAB`<br>`SOAINFRA.CLUSTER_NODE`<br>`PROCOBJ` | |
| Oracle Enterprise Scheduler (ESS) | `ESS.ESS_TEMP_REQID`<br>`PROCOBJ` | NA |
| Oracle Managed File Transfer (MFT) | `MFT.RUPD$_MFT_SOURCE_MESSAGE`<br>`MFT.RUPD$_MFT_TRANSFER_INSTANCE`<br>`MFT.RUPD$_MFT_TARGET_INSTANCE`<br>`MFT.RUPD$_MFT_TARGET_MESSAGE`<br>`MFT.RUPD$_MFT_DATA_STORAGE` | NA |
| Oracle Enterprise Data Quality (EDQ) | `EDQ_STAGING` | When excluding in the DMS user interface, enter as:<br><br>Action: `Exclude`<br><br>Owner: `<`*`schema_prefix`*`>_edqstaging`<br><br>Name: `.*`<br><br>Object type: `ALL` |