

Oracle® Fusion Middleware

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



14c (14.1.2.0.0)

F85522-01

December 2024

The Oracle logo, consisting of the word "ORACLE" in white, uppercase, sans-serif font, centered within a solid red square.

ORACLE®

Oracle Fusion Middleware Migrating Data for Oracle Fusion Middleware Products from On-Premises to ATP-S Database, 14c (14.1.2.0.0)

F85522-01

Copyright © 2022, 2024, Oracle and/or its affiliates.

Primary Author: Oracle Corporation

This software and related documentation are provided under a license agreement containing restrictions on use and disclosure and are protected by intellectual property laws. Except as expressly permitted in your license agreement or allowed by law, you may not use, copy, reproduce, translate, broadcast, modify, license, transmit, distribute, exhibit, perform, publish, or display any part, in any form, or by any means. Reverse engineering, disassembly, or decompilation of this software, unless required by law for interoperability, is prohibited.

The information contained herein is subject to change without notice and is not warranted to be error-free. If you find any errors, please report them to us in writing.

If this is software, software documentation, data (as defined in the Federal Acquisition Regulation), or related documentation that is delivered to the U.S. Government or anyone licensing it on behalf of the U.S. Government, then the following notice is applicable:

U.S. GOVERNMENT END USERS: Oracle programs (including any operating system, integrated software, any programs embedded, installed, or activated on delivered hardware, and modifications of such programs) and Oracle computer documentation or other Oracle data delivered to or accessed by U.S. Government end users are "commercial computer software," "commercial computer software documentation," or "limited rights data" pursuant to the applicable Federal Acquisition Regulation and agency-specific supplemental regulations. As such, the use, reproduction, duplication, release, display, disclosure, modification, preparation of derivative works, and/or adaptation of i) Oracle programs (including any operating system, integrated software, any programs embedded, installed, or activated on delivered hardware, and modifications of such programs), ii) Oracle computer documentation and/or iii) other Oracle data, is subject to the rights and limitations specified in the license contained in the applicable contract. The terms governing the U.S. Government's use of Oracle cloud services are defined by the applicable contract for such services. No other rights are granted to the U.S. Government.

This software or hardware is developed for general use in a variety of information management applications. It is not developed or intended for use in any inherently dangerous applications, including applications that may create a risk of personal injury. If you use this software or hardware in dangerous applications, then you shall be responsible to take all appropriate fail-safe, backup, redundancy, and other measures to ensure its safe use. Oracle Corporation and its affiliates disclaim any liability for any damages caused by use of this software or hardware in dangerous applications.

Oracle®, Java, MySQL, and NetSuite are registered trademarks of Oracle and/or its affiliates. Other names may be trademarks of their respective owners.

Intel and Intel Inside are trademarks or registered trademarks of Intel Corporation. All SPARC trademarks are used under license and are trademarks or registered trademarks of SPARC International, Inc. AMD, Epyc, and the AMD logo are trademarks or registered trademarks of Advanced Micro Devices. UNIX is a registered trademark of The Open Group.

This software or hardware and documentation may provide access to or information about content, products, and services from third parties. Oracle Corporation and its affiliates are not responsible for and expressly disclaim all warranties of any kind with respect to third-party content, products, and services unless otherwise set forth in an applicable agreement between you and Oracle. Oracle Corporation and its affiliates will not be responsible for any loss, costs, or damages incurred due to your access to or use of third-party content, products, or services, except as set forth in an applicable agreement between you and Oracle.

Contents

Preface

Audience	v
Documentation Accessibility	v
Diversity and Inclusion	v
Related Documents	v
Conventions	vi

1 Overview

Why Migrate to an ATP-S database	1-1
Database Migration Terminology	1-2
Migration Approaches	1-2

2 Migrate Using DMS

Prepare to Migrate	2-1
Roadmap for Migrating Data to an Oracle Autonomous Transaction Processing-Shared (ATP-S) Database	2-2
Prerequisites	2-2
Database Requirements	2-3
Creating Resources	2-3
Setting Oracle GoldenGate for Online Migrations	2-3
Preparing the Database for Migration	2-5
Premigration Tasks	2-9
Premigration Task for Oracle Forms	2-9
Premigration Task for Oracle GoldenGate Veridata	2-10
Creating a Backup of the Schema Version Registry	2-11
Creating Migration	2-11
Validating a Migration	2-12
Excluding Unsupported Objects	2-12
Migrate Your Data	2-12
Performing Migration	2-13
Restoring the Schema Version Registry	2-15
Complete the Postmigration Tasks	2-16

Postmigration Tasks for Oracle Data Integrator	2-16
Rewiring the Domain with the ATP-S Target Database	2-17
Updating the Configuration Files	2-17
Restarting the Servers	2-18
Performing Sanity Check	2-19

3 Troubleshooting ATP-S Database Migration

Troubleshooting Database Migration When Using DMS	3-1
DBA Role Privileges Issue	3-1
Premigration Errors	3-2
Migration Errors	3-2
Postmigration Errors	3-2

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

B Oracle GoldenGate Unsupported Objects and Objects in CPAT Tool Errors

C Consolidated List of Excluded Tables, Packages, and Schemas

Preface

This document describes how to migrate data for Oracle Fusion Middleware 14c (14.1.2.0.0) products from on-premises database to an Oracle Autonomous Database.

- [Audience](#)
- [Documentation Accessibility](#)
- [Diversity and Inclusion](#)
- [Related Documents](#)
- [Conventions](#)

Audience

This migration document is intended for users who need to migrate data from Oracle Fusion Middleware 14c (14.1.2.0.0) 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

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

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 14c Upgrade Documentation.
- For administration-related information, see Fusion Middleware 14c Administration Documentation.
- For release-related information, see Fusion Middleware 14c 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.
<i>italic</i>	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 14.1.2.0.0 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](#)
Essential concepts for working with Database Migration.
- [Migration Approaches](#)
For all Oracle Fusion Middleware products certified with ATP-S database, you can migrate data using Database Migration (DMS) service. You can migrate data using Data Pump if you do not have access to the DMS service.

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 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

Essential concepts 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. You can migrate data using Data Pump if you do not have access to the DMS service.

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 .	<ol style="list-style-type: none">1. Database Requirements2. Creating Resources3. Setting Oracle GoldenGate for Online Migrations4. Preparing the Database for Migration5. Creating a Backup of the Schema Version Registry6. Creating Migration7. Validating a Migration8. Excluding Unsupported Objects9. Performing Migration10. Restoring the Schema Version Registry11. Rewiring the Domain with the ATP-S Target Database12. Updating the Configuration Files13. Restarting the Servers14. 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
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='ocidl.user.ocl..aaaaaaaaqutjpgdabhqd4p4jfoyrbu6n6ihjoqisucfqd
ljikengtlnlvnyq', request.operation=/*AuthToken*/}
Allow group dmsGroup to inspect users in tenancy where all
{target.user.id='ocidl.user.ocl..aaaaaaaaqutjpgdabhqd4p4jfoyrbu6n6ihjoqisucfqd
ljikengtlnlvnyq'}
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. 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 [MDW Database Service Names for Autonomous 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 *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 *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 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) database for 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 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) database for 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:

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

Map these default and temporary tablespaces obtained in this step to `DATA` and `TEMP` respectively, in the DMS user interface. For more information, see *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 Oracle 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.

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=<logfilefilename>.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=<logfilefilename>.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_databasesname>
```

- 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_databasesname>
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](#).

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_databasesname>?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 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.
- [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.
- [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.
- [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 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.

To rewire the domain:

1. Log into the WebLogic Remote Console.
2. Navigate to **Services** and select **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.

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 Remote Console, navigate to **Security > Realms**, 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.

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.

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

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

3

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 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.
- [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.

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 its 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.

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 \geq 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;
```

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.

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
SOA/Oracle Business Process Management (BPM)	NA
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)	<pre> grant execute on DBMS_LOCK to <SCHEMA_OWNER>; grant execute on UTL_FILE to <SCHEMA_OWNER>; grant execute on UTL_RAW to <SCHEMA_OWNER>; grant execute on DBMS_LOB to <SCHEMA_OWNER>; grant execute on DBMS_SCHEDULER to <SCHEMA_OWNER>; grant execute on DBMS_XMLDOM to <SCHEMA_OWNER>; grant execute on DBMS_APPLICATION_INFO to <SCHEMA_OWNER>; grant execute on DBMS_UTILITY to <SCHEMA_OWNER>; grant execute on DBMS_SESSION to <SCHEMA_OWNER>; grant execute on DBMS_OUTPUT to <SCHEMA_OWNER>; grant execute on SYS.DBMS_ASSERT to <SCHEMA_OWNER>; grant select on sys.v_\$instance to <SCHEMA_OWNER>; grant select on sys.gv_\$instance to <SCHEMA_OWNER>; grant select on sys.v_\$session to <SCHEMA_OWNER>; grant select on sys.gv_\$session to <SCHEMA_OWNER>; grant select on sys.v_\$parameter to <SCHEMA_OWNER>; grant create any job to <SCHEMA_OWNER>; grant create job to <SCHEMA_OWNER>; grant manage scheduler to <SCHEMA_OWNER>; grant select on dba_scheduler_jobs to <SCHEMA_OWNER>; grant select on dba_scheduler_job_run_details to <SCHEMA_OWNER>; grant select on dba_scheduler_running_jobs to <SCHEMA_OWNER>; grant select on </pre>

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

Product	User privileges for Excluded Objects
	dba_scheduler_job_classes to <SCHEMA_OWNER>;
Oracle Managed File Transfer (MFT)	NA
Oracle WebCenter Portal (WCP)	grant read,write on directory <DPDIR> to <schema_prefix>_WEBCENTER <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
SOA/Oracle Business Process Management (BPM)	<pre> INCLUDE=TABLE:"IN('MDS_PURGE_PATHS', ORASDPMAPPDEFRCVT1', 'ORASDPMENGINECMDT', 'ORASDPMENGINESND T1', 'ORASDPMENGINERCVT1', 'ORASDPMWSRCVT1', 'ORASDPMDRIVERDEFSND T1', 'ORASDPMENGINEPENDRCVQT', 'AIA_CAVSCAL LBACKJMSQTAB', 'IP_QTAB', 'AQ\$ IP_QTAB_S', 'AQ\$ IP_QTA B_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\$ ED N_EVENT_QUEUE_TABLE_H', 'AQ\$ EDN_EVENT_QUEUE_TABLE_L', 'AQ\$ ED N_EVENT_QUEUE_TABLE_G', 'AQ\$ EDN_EVENT_QUEUE_TABLE_I', 'AQ\$ ED N_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\$ ED N_AQJMS_TOPIC_TABLE_H', 'AQ\$ EDN_AQJMS_TOPIC_TABLE_L', 'AQ\$ ED N_AQJMS_TOPIC_TABLE_G', 'AQ\$ EDN_AQJMS_TOPIC_TABLE_I', 'SYS_IO T_OVER_78024', 'SYS_IOT_OVER_77858', 'SYS_IOT_OVER_77 962', 'EDN_EVENT_QUEUE_TABLE', 'EDN_OAOO_DELIVERY_TABLE', 'SYS_IOT_OV ER_77991', 'EDN_AQJMS_TOPIC_TABLE', 'TASK_NOTIFIC ATION_Q_T', 'RUPD\$_MFT_SOURCE_MESSAGE', 'RUPD\$_MFT _TRANSFER_INSTANCE', 'RUPD\$_MFT_TARGET_INSTANCE', 'RUPD\$_MF T_TARGET_MESSAGE', 'RUPD\$_MFT_DATA_STORAGE', 'OSB_FTP_TRA NSPORT_TBL', 'OSB_SFTP_TRANSPORT_TBL', 'OSB_EMAIL_T RANSPORT_TBL', 'OSB_FILE_TRANSPORT_TBL', 'OSB_REPORTI NG_TBL', 'OSB_REPORTING_ERROR_TBL', 'OSB_PURGE_ </pre>

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

Product/Component	Parameter File Contents
	<pre>TBL', 'TEMP_FLOWID_PURGE_GLB', 'TEMP_CUBE_INSTANCE_GLB', 'TEMP_DOCUMENT_CI_REF_GLB', 'TEMP_DOCUMENT_DLV_MSG_REF_GLB', 'TEMP_BRDECISION_INSTANCE_GLB', 'TEMP_WFTASK_PURGE_GLB', 'TEMP_MEDIATOR_DEFERRED_GLB', 'TEMP_MEDIATOR_RESEQUENCER_GLB', 'UPGRADE_CURRENT_SEQUENCE_TEMP', 'TEMP_UPGRADE_ECID', 'TEMP_UPGRADE_CI', 'TEMP_UPGRADE_DLV_MSG', 'TEMP_UPGRADE_DLV_ECID_MAP', 'TEMP_UPGRADE_WKITM_CI', 'TEMP_UPGRADE_WFTASK', 'TEMP_UPGRADE_BRDECISION', 'TEMP_UPGRADE_MI', 'TEMP_UPGRADE_MCI', 'TEMP_UPGRADE_MCDV', 'TEMP_UPGRADE_CPST_INST', 'B2B_BAM_QTAB', 'CLUSTER_NODE')", PROCOBJ</pre>

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

Product/Component	Parameter File Contents
SOA/Oracle Business Activity Monitoring (BAM)	<pre> INCLUDE=TABLE:"IN('MDS_PURGE_PATHS', ORASDPMAPPDEFRCVT1', 'ORASDPMENGINECMDT', 'ORASDPMENGINESND T1', 'ORASDPMENGINERCVT1', 'ORASDPMWSRCVT1', 'ORASDPMDRIVERDEFSND T1', 'ORASDPMENGINEPENDRCVQT', 'AIA_CAVSCAL LBACKJMSQTAB', 'IP_QTAB', 'AQ\$ IP_QTAB_S', 'AQ\$ IP_QTA B_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\$ ED N_EVENT_QUEUE_TABLE_H', 'AQ\$ EDN_EVENT_QUEUE_TABLE_L', 'AQ\$ ED N_EVENT_QUEUE_TABLE_G', 'AQ\$ EDN_EVENT_QUEUE_TABLE_I', 'AQ\$ ED N_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\$ ED N_AQJMS_TOPIC_TABLE_H', 'AQ\$ EDN_AQJMS_TOPIC_TABLE_L', 'AQ\$ ED N_AQJMS_TOPIC_TABLE_G', 'AQ\$ EDN_AQJMS_TOPIC_TABLE_I', 'SYS_IO T_OVER_78024', 'SYS_IOT_OVER_77858', 'SYS_IOT_OVER_77 962', 'EDN_EVENT_QUEUE_TABLE', 'EDN_OAOO_DELIVERY_TABLE', 'SYS_IOT_OV ER_77991', 'EDN_AQJMS_TOPIC_TABLE', 'TASK_NOTIFIC ATION_Q_T', 'RUPD\$ MFT_SOURCE_MESSAGE', 'RUPD\$ MFT _TRANSFER_INSTANCE', 'RUPD\$ MFT_TARGET_INSTANCE', 'RUPD\$ MF T_TARGET_MESSAGE', 'RUPD\$ MFT_DATA_STORAGE', 'OSB_FTP_TRA NSPORT_TBL', 'OSB_SFTP_TRANSPORT_TBL', 'OSB_EMAIL_T RANSPORT_TBL', 'OSB_FILE_TRANSPORT_TBL', 'OSB_REPORTI NG_TBL', 'OSB_REPORTING_ERROR_TBL', 'OSB_PURGE_ </pre>

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

Product/Component	Parameter File Contents
	<pre>TBL', 'TEMP_FLOWID_PURGE_GLB', 'TEMP_CUBE_INSTANCE_GLB', 'TEMP_DOCUMENT_CI_REF_GLB', 'TEMP_DOCUMENT_DLV_MSG_REF_GLB', 'TEMP_BRDECISION_INSTANCE_GLB', 'TEMP_WFTASK_PURGE_GLB', 'TEMP_MEDIATOR_DEFERRED_GLB', 'TEMP_MEDIATOR_RESEQUENCER_GLB', 'UPGRADE_CURRENT_SEQUENCE_TEMP', 'TEMP_UPGRADE_ECID', 'TEMP_UPGRADE_CI', 'TEMP_UPGRADE_DLV_MSG', 'TEMP_UPGRADE_DLV_ECID_MAP', 'TEMP_UPGRADE_WKITM_CI', 'TEMP_UPGRADE_WFTASK', 'TEMP_UPGRADE_BRDECISION', 'TEMP_UPGRADE_MI', 'TEMP_UPGRADE_MCI', 'TEMP_UPGRADE_MCDV', 'TEMP_UPGRADE_CPST_INST', 'B2B_BAM_QTAB', 'CLUSTER_NODE')", PROCOBJ</pre>
Oracle Enterprise Scheduler (ESS)	<pre>INCLUDE=TABLE:"IN('ESS_TEMP_REQID')"</pre> <p>If the domain contains SOA, SOA excluded tables must also be included</p>
Oracle Managed File Transfer (MFT)	<pre>INCLUDE=TABLE:"IN('RUPD\$_MFT_SOURCE_MESSAGE', 'RUPD\$_MFT_TRANSFER_INSTANCE', 'RUPD\$_MFT_TARGET_INSTANCE', 'RUPD\$_MFT_TARGET_MESSAGE', 'RUPD\$_MFT_DATA_STORAGE')"</pre>
Oracle WebCenter Portal (WCP)	<pre>INCLUDE=TABLE:"IN (select table_name from user_tables where table_name='WC_AS_ARCHIVE_TMP' and temporary = 'Y')"</pre>
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)	<pre>INCLUDE=TABLE:"IN (select table_name from user_tables where table_name='MDS_PURGE_PATHS' and temporary = 'Y')"</pre>

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
SOA/Oracle Business Process Management (BPM)	<pre>./expdp ggadmin/ <ggadmin_password>@<PDB_connect_string> dumpfile=dump_tables.dmp logfile=<logfile>.log directory=<DPDIR> full=y 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 REMAP_TABLESPACE=PKBPM1_IAS_OPSS:DATA REMAP_TABLESPACE=PKBPM1_IAS_UMS:DATA REMAP_TABLESPACE=PKBPM1_IAU:DATA REMAP_TABLESPACE=PKBPM1_MDS:DATA REMAP_TABLESPACE=PKBPM1_SOAINFRA:DATA REMAP_TABLESPACE=PKBPM1_STB:DATA REMAP_TABLESPACE=PKBPM1_WLS:DATA REMAP_TABLESPACE=PKBPM1_IAS_TEMP:TEMP</pre>

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

Product/Component	Expdp and Impdp Commands
SOA/Oracle Business Activity Monitoring (BAM)	<pre> ./expdp ggadmin/ <ggadmin_password>@<PDB_connect_string> dumpfile=<dumpfilename>.dmp logfile=<logfile>.log directory=<DPDIR> full=y 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 REMAP_TABLESPACE=PKBPM1_IAS_OPSS:DATA REMAP_TABLESPACE=PKBPM1_IAS_UMS:DATA REMAP_TABLESPACE=PKBPM1_IAU:DATA REMAP_TABLESPACE=PKBPM1_MDS:DATA REMAP_TABLESPACE=PKBPM1_SOAINFRA:DATA REMAP_TABLESPACE=PKBPM1_STB:DATA REMAP_TABLESPACE=PKBPM1_WLS:DATA REMAP_TABLESPACE=PKBPM1_IAS_TEMP:TEMP </pre>

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

Product/Component	Expdp and Impdp Commands
Oracle Enterprise Scheduler (ESS)	<pre data-bbox="922 346 1442 531"> ./expdp ggadmin/ <ggadmin_password>@<PDB_connect_string> dumpfile=<dumpfilename>.dmp logfile=<logfile>.log directory=<DPDIR> full=y parfile=<parfilename>.par </pre> <p data-bbox="922 583 1429 640">For PROCOBJ objects, use the following expdp command</p> <pre data-bbox="922 682 1442 961"> ./expdp sys/ <sys_password>@<PDB_connect_string> as sysdba dumpfile=<procobjObject_dumpfilename>.dmp logfile=<procobjObject_logfilename>.log directory=<DPDIR> full=y INCLUDE=PROCOBJ INCLUDE=GRANT INCLUDE=ROLE_GRANT </pre> <pre data-bbox="922 1031 1442 1566"> ./impdp admin/ <admin_password_for_ATP- S_DB>@<ATP_databasename> credential=def_cred_name dumpfile=<dump_file_cloud_object_storage_location>.dmp REMAP_TABLESPACE=PKESS1_ESS:DATA REMAP_TABLESPACE=PKESS1_IAS_OPSS:DATA REMAP_TABLESPACE=PKESS1_IAS_UMS:DATA REMAP_TABLESPACE=PKESS1_IAU:DATA REMAP_TABLESPACE=PKESS1_MDS:DATA REMAP_TABLESPACE=PKESS1_SOAINFRA:DATA REMAP_TABLESPACE=PKESS1_STB:DATA REMAP_TABLESPACE=PKESS1_WLS:DATA REMAP_TABLESPACE=PKESS1_IAS_TEMP:TEMP </pre> <p data-bbox="922 1619 1429 1675">For PROCOBJ objects, use the following impdp command</p> <pre data-bbox="922 1717 1260 1837"> ./impdp admin/ <admin_password_for_ATP- S_DB>@<ATP_databasename> credential=def_cred_name </pre>

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

Product/Component	Expdp and Impdp Commands
	<pre>dumpfile=<dump_file_cloud_object_storage_location_procobjObject>.dmp</pre>
Oracle Managed File Transfer (MFT)	<pre>./expdp ggadmin/ <ggadmin_password>@<PDB_connect_string> dumpfile=<dumpfilename>.dmp logfile=<logfile>.log directory=<DPDIR> 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 REMAP_TABLESPACE=PKMFT1_ESS:DATA REMAP_TABLESPACE=PKMFT1_IAS_OPSS:DATA REMAP_TABLESPACE=PKMFT1_IAS_UMS:DATA REMAP_TABLESPACE=PKMFT1_IAU:DATA REMAP_TABLESPACE=PKMFT1_MDS:DATA REMAP_TABLESPACE=PKMFT1_MFT:DATA REMAP_TABLESPACE=PKMFT1_STB:DATA REMAP_TABLESPACE=PKMFT1_WLS:DATA REMAP_TABLESPACE=PKMFT1_IAS_TEMP:TEMP</pre>
Oracle WebCenter Portal (WCP)	<pre>./expdp <schema_prefix>_Webcenter/ <Webcenter_schema_password>@<PDB_connect_string> directory=<DPDIR> dumpfile=<dumpfilename>.dmp logfile=<logfile>.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</pre>
Oracle WebCenter Content (WCC)	NA
Oracle WebCenter Sites (WCS)	NA

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

Product/Component	Expdp and Impdp Commands
Metadata Services (MDS)	<pre> ./expdp <schema_prefix>_MDS/ <MDS_schema_password>@<PDB_connect_st ring> directory=<DPDIR> dumpfile=<dumpfilename>.dmp logfile=<logfile>.log parfile=<parfilename>.par ./impdp admin/ <admin_password_for_ATP- S_DB>@<ATP_databasename> credential=DEF_CRED_NAME dumpfile=<dump_file_cloud_object_stor age_location>.dmp </pre>

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/Oracle Business Process Management	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.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.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_FTP_TRANSPORT_TBL 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

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

Product/Component	Unsupported Objects
	SOAINFRA.TEMP_DOCUMENT_DLV_MSG_REF_GLB
	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.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 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.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.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_FTP_TRANSPORT_TBL 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

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

Product/Component	Unsupported Objects
	SOAINFRA.TEMP_DOCUMENT_DLV_MSG_REF_GLB 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.CLUSTER_NODE
Oracle Enterprise Scheduler (ESS)	ESS.ESS_TEMP_REQID
Oracle Managed File Transfer (MFT)	MFT.RUPD\$_MFT_SOURCE_MESSAGE MFT.RUPD\$_MFT_TRANSFER_INSTANCE MFT.RUPD\$_MFT_TARGET_INSTANCE MFT.RUPD\$_MFT_TARGET_MESSAGE MFT.RUPD\$_MFT_DATA_STORAGE
User Messaging Service (UMS)	UMS.ORASDPMENGINERCVT1 UMS.ORASDPMWSRCVT1 UMS.ORASDPMDRIVERDEFSNDT1 UMS.ORASDPMENGINEPENDRCVQT UMS.ORASDPMAPPDEFRCVT1 UMS.ORASDPMENGINECMDT UMS.ORASDPMENGINESNDT1
Oracle WebCenter Portal (WCP)	WCP_WEBCENTER.WC_AS_ARCHIVE_TMP

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 WC_OCS.DR\$XDONTSHOWINLISTSC7BBF_ZFT\$K WC_OCS.DR\$XDONTSHOWINLISTSC7BBF_ZFT\$N WC_OCS.DR\$XDONTSHOWINLISTSC7BBF_ZFT\$U WC_OCS.DR\$XWEBSITES_DOCMETA_ZFT\$I WC_OCS.DR\$XWEBSITES_DOCMETA_ZFT\$K WC_OCS.DR\$XWEBSITES_DOCMETA_ZFT\$N WC_OCS.DR\$XWEBSITES_DOCMETA_ZFT\$U WC_OCS.DR\$FT_IDCTEXT1\$I WC_OCS.DR\$FT_IDCTEXT1\$K WC_OCS.DR\$FT_IDCTEXT1\$N WC_OCS.DR\$FT_IDCTEXT1\$U WC_OCS.DR\$FT_IDCTEXT1\$S WC_OCS.DR\$FT_IDCTEXT2\$I WC_OCS.DR\$FT_IDCTEXT2\$K WC_OCS.DR\$FT_IDCTEXT2\$N WC_OCS.DR\$FT_IDCTEXT2\$U 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. [#GUID-9A82DFB8-D1EB-46C0-AC3E-DC5FF7CB682D/TABLE_M4M_3RY_SSB](#) 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.

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-2](#) 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-2 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
IAU/Oracle Platform Security Services (OPSS)	IAU.IAU_BASE IAU.OAM IAU.OHSCOMPONENT IAU.OIF IAU.STS IAU.XMLPSERVER	None
SOA/Oracle Business Process Management	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 WFMESSEGEATTRIBUTE	None

Table B-2 (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 WFMESSEGEATTRIBUTE	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](#).

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
SOA/Oracle Business Process Management	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_xxxxxx 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_xxxxxx 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.SYS_IOT_OVER_xxxxxx 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_xxxxxx 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_FTP_TRANSPORT_TBL 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	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_CUBE_INSTANCE_GLB	
	SOAINFRA.TEMP_DOCUMENT_CI_REF_GLB	
	SOAINFRA.TEMP_DOCUMENT_DLV_MSG_REF_GLB	
	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.CLUSTER_NODE	
	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 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_xxxxxx 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_xxxxxx 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.SYS_IOT_OVER_xxxxxx 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_xxxxxx 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_FTP_TRANSPORT_TBL 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	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_CUBE_INSTANCE_GLB SOAINFRA.TEMP_DOCUMENT_CI_REF_GLB SOAINFRA.TEMP_DOCUMENT_DLV_MSG_REF_GLB 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.CLUSTER_NODE PROCOBJ	
Oracle Enterprise Scheduler (ESS)	ESS.ESS_TEMP_REQID PROCOBJ	NA
Oracle Managed File Transfer (MFT)	MFT.RUPD\$_MFT_SOURCE_MESSAGE MFT.RUPD\$_MFT_TRANSFER_INSTANCE MFT.RUPD\$_MFT_TARGET_INSTANCE MFT.RUPD\$_MFT_TARGET_MESSAGE MFT.RUPD\$_MFT_DATA_STORAGE	NA
Oracle Enterprise Data Quality (EDQ)	EDQ_STAGING	When excluding in the DMS user interface, enter as: Action: Exclude Owner: <schema_prefix>_edqstaging Name: .* Object type: ALL