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**COMMERCE**

Version 11.0

## ATG Upgrade and Migration Guide

**10.2 to 11.0**

**Oracle ATG  
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USA**

## **ATG Upgrade and Migration Guide -- 10.2 to 11.0**

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# 1 Introduction

This guide describes how to upgrade from Oracle ATG Web Commerce 10.2 to 11.0. It is written for programmers, DBAs, site administrators, and partners.

Before you begin migration:

1. Review the [New in Oracle ATG Web Commerce 11.0](#) chapter for information on new features.
2. Check the Supported Environments information on the My Oracle Support Web site. Make sure you are running on a supported version of your application server, JDK, database server, and JDBC driver.
3. Review the [Migration Overview](#) chapter.

This guide uses the convention <ATGdi r> to represent the root directory for ATG products. By default, the Windows installation creates the root directory C: \ATG\ATG11, but its actual location can vary according to your installation.

For detailed information about Oracle ATG Web Commerce products, see the Oracle ATG Web Commerce documentation on the Oracle Technology Network Web site.

**Important:** You must upgrade your entire Oracle ATG Web Commerce installation; you cannot upgrade only part of it. Oracle does not support running different versions of Oracle ATG Web Commerce products together. For example, using the 11.0 platform with an older version of Commerce Service Center is not supported. The platform and all applications must have the same version number.

## New In This Release – the CIM Migration Tool

In this release much of the migration process is performed by a new utility, the Configuration and Installation Manager (CIM) Migration Tool, which automates schema and data migration based on your current installation and your installed migration kits.



## 2 New in Oracle ATG Web Commerce 11.0

This chapter describes new features available in the Oracle ATG Web Commerce platform and applications.

[Oracle ATG Web Commerce Platform](#)

[Oracle ATG Web Commerce](#)

[Oracle ATG Web Commerce Reference Store](#)

[Oracle ATG Web Commerce Service Center](#)

[Oracle ATG Web Commerce Merchandising](#)

[Oracle ATG Commerce Reference Store for Mobile Web and iOS Universal Application](#)

### Oracle ATG Web Commerce Platform

This section describes new platform features.

#### Security Improvements

The Oracle ATG Web Commerce Platform includes the following security features:

- Integration of Oracle Access Management for Single Sign-On. For information on this feature, refer to the *ATG Installation and Configuration Guide*.
- A new cryptographic agility scheme for managing password hashing has been added, which makes it much easier to upgrade users to new hashing algorithms. For more information, see the Working with User Profiles chapter of the *ATG Personalization Programming Guide*.
- The Commerce Single Sign-On (SSO) feature enables the ATG Business Control Center and the Endeca Workbench to share logins, so that when a user logs into one of these environments, that user is automatically also logged into the other environment as well. See the Commerce Single Sign-On chapter of the *ATG Endeca Integration Guide*.

#### Metric Pricing and Reporting

A new Metric Pricing report is available through the Dynamo Server Admin. This allows administrators to run reports on the number of calls made to the Oracle ATG Web Commerce application. For information on this feature, refer to the *ATG Installation and Configuration Guide*.



### **ATG Search Removed**

ATG Search has been removed from all installation and migration scripts. All related DAF, Search, Versioned modules and scripts have been removed from the migration process.

### **CIM Internationalization**

CIM now supports resource bundles that allow for the use of resource strings. These strings are used to provide translation when localization settings are called. Several updates have been made to Oracle ATG Web Commerce Service Center for version 11.0. For more information on these features, refer to the *ATG Commerce Service Center Installation and Programming Guide*.

## **Oracle ATG Web Commerce**

The following promotions have been added to Oracle ATG Web Commerce:

- Group Promotion Discounts – Allows merchandisers to create a group of items that can be discounted together.
- Spend X get Y – Allows merchandisers to create promotions like Spend X and get Y for a specific price or free. When the shopper has met the conditions for the promotion and the target item(s) is not currently in their cart, the system advises the shopper that they can use the offer.
- Limited Quantity Discounts – Limits the number of times that a discount can be performed in an order. The merchandiser can select whether all items, targeted items, or up to specific items are included in the discount.
- Max # of Coupons per Order – Limits the number of coupons that can be used in an order.

## **Oracle ATG Web Commerce Service Center**

The following features have been added or modified in this release:

### **REST Web Services**

Additional REST services have been added that enable returns/exchanges, promotions, scheduled orders, agent preferences and communication with customers. For information on REST services, refer to the *ATG Web Services Guide*.

### **Removal of ATG Search**

ATG Search has been replaced with database-optimized full text SQL searches for Profile and Orders. While the underlying architecture has been modified, both the indexing and manual capabilities, as well as the user-facing functionality of searching for profiles and orders, have not changed.



## Support for New Oracle ATG Web Commerce Promotions

Commerce Service Center supports all of the new Oracle ATG Web Commerce promotions that were introduced with this release, as outlined in the Oracle ATG Web Commerce section of this guide.

## Oracle ATG Web Commerce Merchandising

The following features are new to Oracle ATG Web Commerce Merchandising for version 11.0. For more information about these features, see the *ATG Business Control Center Administration and Development Guide*, the *ATG Merchandising Guide for Business Users*, and the *ATG Merchandising Administration Guide*.

- A link in the Business Control Center lets users navigate to the Oracle Endeca Workbench home page.
- Administrators can create URLs that let users go directly to Merchandising, Site Administration, Access Control, and Targeting and Segmentation UIs, bypassing the Business Control Center home page.
- Thumbnail images identify products, SKUs, and media assets throughout the Merchandising UI, replacing the asset-type symbols that previously appeared for these assets.
- Merchandisers can now resolve conflicts in their projects while the project is still in the Author stage.
- Several usability enhancements have been added to Visual Merchandising:
  - Users who have read-only access to assets can view but not update them in both layout view and the light table.
  - Users can add assets to the asset tray from layout view.
  - Optional highlighting makes it easier to determine which assets are available to work with in layout view.
- Prices can now be exported from price lists to CSV or Microsoft Excel files. Previously, prices could only be imported.
- Pricing UIs can now be configured to better support a single-pricing strategy, simplifying price-related tasks for business users.
- Work has begun to rewrite the ATG Merchandising UI with JavaScript / HTML5 standards, using and building on top of open source technologies, including knockout, require.js, jQuery and jQuery UI.

## Oracle ATG Web Commerce Reference Store

The following features are new to Oracle ATG Web Commerce Reference Store for version 11.0. For more information about these features, see the *ATG Commerce Reference Store Overview*.

- Enhancements to keyword search to provide suggested search terms and corrections, based on what the customer types.
- An Endeca-driven brand landing page that is displayed when a customer searches for the brand or selects it during guided navigation.
- A redesigned, Endeca-driven home page.





- A store locator feature that allows customers to find stores based on their locations.
- A Search Engine Optimization implementation that uses features of both Oracle ATG Web Commerce and Oracle Endeca Commerce SEO.
- Sharing of user segments between Oracle ATG Web Commerce and Oracle Endeca Commerce.

**Note:** There is no migration path from older versions of Commerce Reference Store to version 11.0. To use version 11.0, install and configure a new instance of Commerce Reference Store using the instructions in the *ATG Commerce Reference Store Installation and Configuration Guide*.

## Oracle ATG Commerce Reference Store for Mobile Web and iOS Universal Application

Oracle ATG Web Commerce 11.0 includes Commerce Reference Store iOS Universal Application (CRS-IUA), which serves both iPhone and iPad, and the ATG Mobile Commerce Reference Store (CRS-M). For more information, see the *ATG Commerce Reference Store IUA Overview* and *ATG Commerce Reference Store Mobile Overview*.

New in this release:

- Developers drive Home page functionality using Experience Manager for CRS-M and CRS-IUA
- Product Returns functionality enables a shopper to easily initiate a return on orders in the CRS-IUA product.

**Note:** There is no migration path from older versions of Commerce Reference Store mobile products to version 11.0.



## 3 Migration Overview

To migrate from Oracle ATG Web Commerce 10.2 to Oracle ATG Web Commerce 11.0, follow these steps:

1. [Perform pre-migration tasks.](#)
2. [Install ATG 11.0.](#)
3. [Run the CIM Migration Tool.](#)
4. [Complete any manual migration tasks not completed by CIM.](#)
5. [Consider any product specific issues.](#)
6. [Perform any post-migration clean up.](#)
7. [Test your migration.](#)

Each of these steps is detailed in the following chapters.



## 4 Pre-Migration Task Checklist

Before starting migration, complete these tasks:

1. Back up your Oracle ATG Web Commerce 10.2 database.
2. Back up all of your `Publ i shi ng` and `Publ i shi ngAgent` directories --for example, these CIM-generated directories under `<ATG10di r>/home/servers/`:
  - `atg_publ i shi ng_lockserver/Publ i shi ng`
  - `atg_product i on_lockserver/Publ i shi ngAgent`You should also back up the `<ATG10di r>/home/Publ i shi ng` directory.
3. If your installation includes ATG Content Administration, complete all projects.
4. Process all reporting event logs. On the data warehouse load server, execute the `LoadAl l Avai l abl e` method on all loaders in `/atg/report i ng/datawarehouse/loaders/`.
5. Shut down all ATG servers.
6. Shut down any search engines your environment uses.
7. Remove ATG artifacts, such as server instances, EAR files, and data sources, from the application server.

**Note:** In addition to the tasks listed here, some applications may have their own pre-migration requirements. Before starting the migration, check the instructions for each installed application, under [Application-Specific Migration Issues](#).



## 5 Install ATG 11.0

The next step in the migration process is to install the ATG 11.0 product, obtain the resources required for the migration process, and configure your environment.

1. Install ATG 11.0 as directed in the *ATG Installation and Configuration Guide*.
2. Download the migration kit necessary for your products. Create the following directory and unpack the migration kit:

```
<ATGdir>/migration/10.2to11.0
```

**Note:** The migration kit META-INF files should have carriage return at every line.

3. Copy your existing configuration files and application modules to the ATG 11.0 installation. Update application code as necessary to conform to new ATG 11.0 functionality. For more information, see the [Application-Specific Migration Issues](#) chapter.

**Note:** Commerce Reference Store and the reference applications do not migrate.

4. Copy the directories listed from your ATG 10.2 installation into your ATG 11.0 installation:

```
/home/Publishing/versionFileStore  
/home/servers/atg_svcagent_lockserver/publishing  
/home/servers/atg_production_lockserver/PublishingAgent  
/home/servers/atg_svcagent_lockserver /PublishingAgent  
/home/servers/atg_staging/PublishingAgent
```

5. If you use a Publishing Web Agent server, copy `/home/PublishingWebAgent` from your ATG 10.2 installation to your ATG 11.0 installation.

## Version Compatibility

Before you begin installation of ATG 11.0, see the Oracle ATG Commerce Supported Environments Matrix document in the My Oracle Support knowledge base (<https://support.oracle.com/>).



## 6 Run the CIM Migration Tool

The CIM Migration Tool is a utility that automates schema and data migration based on your installed migration kits to apply the schema migration and data import setup.

### The importConfig Utility

Before running the CIM Migration Tool, use the `importConfig` utility to identify which products and add-ons you had selected in the previous release. Before running this utility verify that in your environment `$DYNAMO_HOME` points to your ATG11.0 installation folder.

**Note:** You must have installed an older ATG version to use the `importConfig` utility.

#### Command line usage

```
<ATGdir>\bin\importConfig.sh|bat [previous platform location]
```

#### Utility results

When you run the `importConfig` utility, this file is created:

```
<ATGdir>\CIM\data\import.xml
```

When CIM Migration Tool runs, products and add-ons from the previous installation are listed in the migration information section.

### CIM Command Line Options

Start the CIM Migration Tool from the command line. The following options are available:

```
ci.m.sh|bat [-m MODULELIST] [-debug] [-record] [-noencryption] [-batch  
inputFilePath] [-migration] [-migrationpath migrationKitsBasePath]
```

#### Migration Kit Location

The default path for the migration kits is:

```
<ATGdir>\migration\10.2to11.0
```

If you have unpacked the migration kit in `<ATGdir>\migration\10.2to11.0`, you can use the unqualified CIM command:

```
ci.m.sh|bat -migration
```

Otherwise, specify the kit location. For example:



```
ci.m.sh|bat -migration -migrationpath PATH_TO_PARENT_DIR_OF_MIG_KIT
```

**Other options**

Option	Description
- debug	Enables debug mode.
- record	Records the CIM options, as you select them. At the end, you are prompted to save the recorded file to a location.
- noencryption	Works with record option. Normally the CIM options are saved to file in encrypted form. If you use this option, it writes in readable form.
- batch	Runs the recorded file you specify automatically, without any manual intervention.
- m	Specifies specific modules, such as DAS, DPS etc.

## Starting CIM Migration

When you start CIM with the `-migration` switch, the `Migration Utility` task displays on the menu:

```
=====CIM MAIN MENU=====
```

```
enter [h]Help, [q]Quit to exit
```

Choose the task you want to perform:

- ```

[R] Set the Administrator Password - Done (pending database import)
*[A] Select Application Server
[M] Migration Utility
[C] Custom CIM Plugin Launcher
    
```

**Note:** When the `-migration` switch is used, the tasks `Product Selection` and `Database Configuration`, do not display.

Choose `M` to start the migration process. After you select `Migration Utility`, CIM displays the installed migration kits associated with the new release:




---

```
-----MIGRATION SELECTION-----
enter [h]Help, [m]Main Menu, [q]Quit to exit
```

Choose the Migration task you want to perform:

```
[1] 10.2 -> 11.0
```

Select one >

```
.>
```

---

Choose all the products and add-ons that you have installed. Then select Product Selection in menu and then select Continue on WARNING message.

**Note:** Partial migration may cause the software to malfunction and is not permitted.

If you have run the importConfig utility, products and add-ons from the previous installation are listed as selected options.

CIM then displays a list of the installed products and add-ons that can be migrated:

---

Select one or more > Choose the Migration task you want to perform:

Choose one of the following options: (\* = Currently selected)

- [1] ATG Platform -  
Includes, optionally, data warehouse components
- [2] ATG Site Administration -  
Includes ATG Platform and Content Administration
- [3] ATG-Endeca Integration :  
Includes ATG Platform. Select this option when Endeca is used.
- [4] ATG Commerce -  
Includes ATG Platform and Content Administration. Optional: data warehouse components, Preview and Merchandising UI
- [5] WebCenter Sites Extensions -  
Includes ATG Platform and Endeca Reader.
- [6] ATG Content Administration -  
Includes ATG Platform. Optional: Preview
- [7] Endeca Reader -  
Includes ATG Platform. Select this option when Endeca is used to import data to ATG.
- [8] ATG REST -



RESTful Web Services

[D] Done

Select one or more >

---

In this and the menus that follow, select the products and add-ons you would like to migrate, and the migration tool will begin to update the schema and import data to the new release.

## CIM Migration Tasks

Once the product selection is completed, CIM displays the data source selection menu. After you select a data source, the Configure Data source menu displays several migration tasks:

- Export Database Migration Script** – This required step combines the appropriate DDLs in the correct order for the migration. You must select this option before proceeding to migrate the schema. When you select this option, you are prompted for an export file path, and the Configure Data source menu will be redisplayed.

**Note:** You are prompted for a location and name for the executable file, for example: `<ATGdir>\migration\export_file.sh`. After you complete this prompt, the export to file process begins.
- Migrate Schema** – This step runs the set of migration SQL files in the correct order against the selected data source. After you have exported the database migration script, review it and make any necessary changes and then execute the migration script by selecting **Migrate Schema**.

**Note:** After executing the **Migrate Schema** step there will be an error in `cim.log` for some data sources. This is a known issue, not specific to migration.
- Import Migration Data** – This option, if applicable, runs `startSQLRepository` imports that are required to complete the migration.
- Migrate Data** – the migration tools stored along with the modules in the migration kit are called out.
- Export Database Cleanup Script** – In this step specify the location and name of the executable file. You can save the file to the migration folder, for example: `<ATGdir>\migration\clean_up_publishing.sh`

See the section [Migration Clean Up Scripts](#) for more details.
- Cleanup Schema** – In this step, run the schema cleanup scripts for the product combinations you are configuring. See the section [Migration Clean Up Scripts](#) for more details.

### **Export Database Migration Script**

The Export Database Migration Script task combines the appropriate DDLs in the correct order based on the CIM product list and saves them to the file.

Review the script and make any necessary changes. This script is annotated to indicate the functions of the migration SQL scripts and this will help you choose which SQL should be executed based on your installation and environment.





After you export the migration script you can migrate the schema.

***Migrate Schema***

The Migrate Schema task executes the set of migration SQL files in the correct order against the selected data source. The script created during the Export Database Migration Script task is used for the Migrate Schema task. After you migrate schemas, you can import migration data.

***Import Migration Data***

After you have migrated schemas, the Import Migration Data task imports migration data for the applications you are configuring.



## 7 Manual Migration Tasks

There are some migration tasks which are not performed by the CIM Migration Tool. You may want to manually perform these after running the CIM Migration Tool.

### Updating View Mappings

Many ATG user interfaces rely on view mappings. After you run the appropriate migration scripts for your environment, you must update your view mappings.

All custom view mappings must be migrated.

Before importing any view mappings, configure the data sources used by the import utility. Configure a `home/local/config/atg/dynamo/service/jdbc/FakeXADa0074aSource.properties` file to refer to your publishing schema, and another with the name `FakeXADa0074aSource_production.properties` for your production schema. An example `FakeXADa0074aSource` file that refers to the publishing schema follows:

---

```

$class=atg.service.jdbc.FakeXADa0074aSource
driver=oracle.jdbc.OracleDriver
URL=jdbc:oracle:thin:@your_host_name:1521:utl8112
user=username
password=password

```

---

If you are using switching data sources, configure the following files:

- `FakeXADa0074aSource_switchA.properties` to refer to your `SwitchingA` schema.
- `FakeXADa0074aSource_switchB.properties` to refer to your `SwitchingB` schema.
- `SwitchingDataSourceA.properties` to refer to your `FakeXADa0074aSource_switchA.properties` file.
- `SwitchingDataSourceB.properties` to refer to your `FakeXADa0074aSource_switchB.properties` file.

For example:

---

```

$class=atg.service.jdbc.MonitoredDataSource
dataSource=/atg/dynamo/service/jdbc/FakeXADa0074aSource_switchA

```

---

Run the following scripts on the Asset Management servers for all products:



```

bin/startSQLRepository -m BIZUI -repository
/atg/web/vi ewmapping/Vi ewMappi ngReposi tory -i mport
"<ATGdi r>/home/.. /BIZUI/i nstal l/data/vi ewmappi ng. xml "

bin/startSQLRepository -m BCC -repository
/atg/web/vi ewmapping/Vi ewMappi ngReposi tory -i mport
"<ATGdi r>/home/.. /BCC/i nstal l/data/vi ewmappi ng. xml "

bin/startSQLRepository -m DPS-UI -repository
/atg/web/vi ewmapping/Vi ewMappi ngReposi tory -i mport "<ATGdi r>/home/.. /DPS-
UI/AccessControl/i nstal l/data/vi ewmappi ng. xml "

bin/startSQLRepository -m DPS-UI -repository
/atg/web/vi ewmapping/Vi ewMappi ngReposi tory -i mport "<ATGdi r>/home/.. /DPS-
UI/i nstal l/data/vi ewmappi ng. xml "

bin/startSQLRepository -m AssetUI -repository
/atg/web/vi ewmapping/Vi ewMappi ngReposi tory -i mport
"<ATGdi r>/home/.. /AssetUI/i nstal l/data/vi ewmappi ng. xml "

bin/startSQLRepository -m AssetUI -repository
/atg/web/vi ewmapping/Vi ewMappi ngReposi tory -i mport
"<ATGdi r>/home/.. /AssetUI/i nstal l/data/assetManagerVi ews. xml "

bin/startSQLRepository -m SiteAdmi n. Versi oned -repository
/atg/web/vi ewmapping/Vi ewMappi ngReposi tory -i mport
"<ATGdi r>/home/.. /Si teAdmi n/Versi oned/i nstal l/data/vi ewmappi ng. xml "

bin/startSQLRepository -m DPS-UI. Versi oned -repository
/atg/web/vi ewmapping/Vi ewMappi ngReposi tory -i mport "<ATGdi r>/home/.. /DPS-
UI/Versi oned/i nstal l/data/vi ewmappi ng. xml "

bin/startSQLRepository -m DPS-UI. Versi oned -repository
/atg/web/vi ewmapping/Vi ewMappi ngReposi tory -i mport "<ATGdi r>/home/.. /DPS-
UI/Versi oned/i nstal l/data/exampl es. xml "

bin/startSQLRepository -m DCS-UI -repository
/atg/web/vi ewmapping/Vi ewMappi ngReposi tory -i mport "<ATGdi r>/home/.. /DCS-
UI/i nstal l/data/vi ewmappi ng. xml "

bin/startSQLRepository -m DCS-UI. Versi oned -repository
/atg/web/vi ewmapping/Vi ewMappi ngReposi tory -i mport "<ATGdi r>/home/.. /DCS-
UI/Versi oned/i nstal l/data/vi ewmappi ng. xml "

bin/startSQLRepository -m DCS-UI. Si teAdmi n. Versi oned -repository
/atg/web/vi ewmapping/Vi ewMappi ngReposi tory -i mport "<ATGdi r>/home/.. /DCS-
UI/Si teAdmi n/Versi oned/i nstal l/data/vi ewmappi ng. xml "

```

**Important:** Before running the `ImportDCSUI SearchCustomCatalogs` script, comment out the following:

```

bin/startSQLRepository -m DCS. Search. CustomCatalogs. Versi oned -m
DCS. Versi oned -repository /atg/search/reposi tory/Refi nementReposi tory -
i mport "${DYNAMO_HOME}/.. /DCS-UI/Search/i nstal l/data/refi nement. xml " -
workspace Refi nementReposi toryI mport: mai n -comment Global FacetDefi ni ti on

```

After making the change, run the following scripts:



```
<ATGdir>/home/.. /DCS-UI/Search/install/importDCSUISearchCustomCatalogs.sh

bin/startSQLRepository -m BIZUI -repository
/atg/web/vi ewmapping/Vi ewMappingRepository -import "${DYNAMO_HOME}/.. /DCS-
UI/Search/install/data/vi ewmapping.xml "

bin/startSQLRepository -m BIZUI -repository
/atg/web/vi ewmapping/Vi ewMappingRepository -import "${DYNAMO_HOME}/.. /DCS-
UI/Search/install/data/flex/vi ewmapping.xml "

bin/startSQLRepository -m BIZUI -repository
/atg/web/vi ewmapping/Vi ewMappingRepository -import
"${DYNAMO_HOME}/.. /AssetUI/Search/install/data/vi ewmapping.xml "
```

**Important:** Run the following three scripts only if you installed and configured a preview server on your Asset Management server. These import scripts configure some viewmapping components specifically for preview and require the preview layer. (For more information, see [Migration Testing](#).)

```
bin/startSQLRepository -m DPS-UI -repository
/atg/web/vi ewmapping/Vi ewMappingRepository -import "<ATGdir>/home/.. /DPS-
UI/install/data/vi ewmapping_preview.xml "

bin/startSQLRepository -m SiteAdmin.Versioned -repository
/atg/web/vi ewmapping/Vi ewMappingRepository -import
"<ATGdir>/home/.. /SiteAdmin/Versioned/install/
data/vi ewmapping_preview.xml "

bin/startSQLRepository -m DCS-UI -repository
/atg/web/vi ewmapping/Vi ewMappingRepository -import "<ATGdir>/home/.. /DCS-
UI/install/data/vi ewmapping_preview.xml "
```

## Migration Clean Up Scripts

Scripts are available for cleaning up the Oracle, DB2 and MSSQL database migration processes completed by the CIM Migration Tool. In the 11.0 release several database tables were removed and the cleanup script drops these tables, but the CIM Migration Tool is not able to pick up those cleanup files, and they must be removed manually. A set of batch files (bat/sh) is provided so that you can automate the cleanup process.

### Do I Need to Run these Scripts?

Since the removed tables are no longer used by ATG 11.0, if you do not drop them, functionality will not be affected. However, it is recommended that you complete this step.

**Note:** If you choose not to drop those tables, you need to change one table to change one column's nullability to NULL. This change is included in a cleanup script `arf_dcs_ddl_cleanup.sql`.

### File Locations and Descriptions

This section lists the bat/sh files with their full paths and the cleanup SQL files that they execute. Execute these files from the directories where they are located.



Locate and run the files for the products you have installed. For example, if you installed DCS Data Warehouse, you need to run `dcw_dw_search.bat`, `dcw_dw.bat`, `arf_dw_search.bat` and `arf_dw_base.bat` in this sequence. Since DCS.DW tables reference DW tables, you need to first drop DCS.DW, otherwise, you may get errors.

| File and location                                                                                                | Description                                                                                                                            |
|------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| <ATG_HOME>\migration\10.2to11.0\DCS\DW\Search\sql\db_components\<DB_VENDOR>\dcw_dw_search.bat   sh               | This file executes:<br>dcw_srch_ddl_cleanup.sql                                                                                        |
| <ATG_HOME>\migration\10.2to11.0\DCS\DW\sql\db_components\<DB_VENDOR>\dcw_dw.bat   sh                             | This file executes:<br>arf_dcw_ddl_cleanup.sql<br>You should review this file and make any changes before executing the batch/sh file. |
| <ATG_HOME>\migration\10.2to11.0\DCS\Search\Versioned\sql\db_components\<DB_VENDOR>\versioned_dcw_search.bat   sh | This file executes:<br>versioned_commerce_refinement_ddl_cleanup.sql<br>versioned_custom_catalog_refinement_ddl_cleanup.sql            |
| <ATG_HOME>\migration\10.2to11.0\ARF\DW\Search\sql\db_components\<DB_VENDOR>\arf_dw_search.bat   sh               | This file executes:<br>search_datawarehouse_view_ddl_cleanup.sql<br>search_datawarehouse_ddl_cleanup.sql                               |
| <ATG_HOME>\migration\10.2to11.0\ARF\DW\base\sql\db_components\<DB_VENDOR>\arf_dw_base.bat   sh                   | This file executes:<br>arf_ddl_cleanup.sql                                                                                             |
| <ATG_HOME>\migration\10.2to11.0\DAF\Search\Topics\sql\db_components\<DB_VENDOR>\daf_search_topics.bat   sh       | This file executes:<br>search_topics_ddl_cleanup.sql                                                                                   |

### Batch File Syntax

All cleanup batch files use the same basic syntax structure, which is detailed in this section.



**Oracle databases**

The following batch files are provided for the Oracle database installations. Follow this syntax when executing these files:

```
filename.bat |sh user- acct password tns- alias
```

| Option       | Description                     |
|--------------|---------------------------------|
| user- acct   | Name of the schema user account |
| password     | Password to the user account    |
| tns- al i as | TNS name for the database       |

**MSSQL databases**

The following batch files are provided for the MSSQL database installations. Follow this syntax when executing these files:

```
filename.bat user- acct password hostname db- schema
```

| Option     | Description                      |
|------------|----------------------------------|
| user- acct | Name of the schema user account  |
| password   | Password to the user account     |
| host name  | Host name of the database server |
| db- schema | Name of the database schema      |

**DB2 databases**

The following batch files are provided for the DB2 database installations. Follow this syntax when executing these files:

```
Filename.bat |sh user- acct password db2- alias
```

| Option     | Description                     |
|------------|---------------------------------|
| user- acct | Name of the schema user account |



|              |                                  |
|--------------|----------------------------------|
| password     | Password to the user account     |
| host name    | Host name of the database server |
| db2- al i as | TNS name for the database        |



## 8 Application-Specific Migration Issues

After completing all tasks described in previous sections, review these migration issues for specific ATG applications, beyond the migration steps described in previous chapters.

Any applications not listed here can be assumed to have no additional migration issues.

This chapter contains the following sections:

[Oracle ATG Content Administration Notes](#)

[Oracle ATG Web Commerce Notes](#)

[Oracle ATG Web Commerce Reference Store Notes](#)

[Oracle ATG Commerce Service Center Notes](#)

[Oracle ATG Core Commerce Notes](#)

### Oracle ATG Content Administration Notes

If your migration includes an installation of ATG Content Administration, you will need to perform this manual step.

#### File Asset Migration

After you install ATG 11.0 and upgrade database schemas on production and Content Administration servers, you must migrate the versioned file assets:

1. Delete the ATG 11.0 `versionFileStore` directory:  
`<ATG11.0dir>/home/Publishing/versionFileStore`
2. Replace this directory by copying the corresponding ATG 10.2 `versionFileStore` directory:  
`<ATG10.2dir>/home/Publishing/versionFileStore`

### Oracle ATG Web Commerce Notes

Two changes have been made to some occurrences of property names and parameter names, impacting some methods, from the type `atg.service.cache.Cache` and the type `atg.service.cache.AbstractCache`. Specifically, the parameter signatures of `atg.adc.pipeline.SetCategoryProcessor.pathMatchesPattern()` and `atg.adc.pipeline.PatternMappingProcessor.findMappingForPath()` changed in this release.

Classes that had a `Cache` property whose type has changed to `AbstractCache` include:





- atg.commerce.pricing.pricelists.PriceListManager
- atg.projects.store.recommendations.StoreRecommendationsConfiguration
- atg.projects.store.recommendations.processor.SetSearchTermProcessor
- atg.adc.ADCConfiguration
- atg.adc.pipeline.PageNameProcessor
- atg.adc.pipeline.SetCategoryProcessor
- atg.repository.content.ContentRepositoryService
- atg.service.filter.bean.BeanFilterRegistryImpl
- atg.service.filter.bean.XmlFilterService
- atg.commerce.inventory.CachingInventoryManager
- atg.commerce.pricing.PMDLExpressionFilterConfiguration
- atg.commerce.pricing.Qualifier
- atg.commerce.pricing.pricelists.PriceListManager
- atg.repository.RepositoryViewImpl

These changes were made to enable the use of a more concurrency-friendly `AbstractCache` implementation in the future.

**Note:** The configuration of these cache properties has not changed.

## ATG Publishing Issue

If you complete the following steps, an error may occur:

1. Install ATG10.2.
2. Select product `siteadmin` and `Commerce`.
3. Select `Add ons Merchandising UI` in CIM.
4. Create promotions.
5. Install ATG 11.0.
6. Copy the migration bundle.
7. Run `importConfig` script selecting the product and add-ons from 10.2.
8. Run the migration utility and configure the database.
9. Verify the promotions which were created on ATG10.2.
10. Deploy project or perform a full deployment.

If you complete all these steps, the deployment may fail in the BCC, displaying this error in BCC Console:

```
error preparing target: agent 'Production: ProdAgent' : ACTIVE_PREPARE :
null
```

### ***File Asset Migration Workaround***

After you install ATG 11.0 and upgrade database schemas on production and ATG Content Administration servers, you must migrate versioned file assets by:

1. Deleting the ATG 11.0 `versionFileStore` directory:
 

```
<ATG11.0dir>/home/Publishing/versionFileStore
```



2. Replacing this directory by copying the corresponding ATG 10.2 versionFileStore directory:

```
<ATG10.2dir>/home/Publishing/versionFileStore
```

## Oracle ATG Commerce Service Center Notes

### Changes to Input parameters for two REST services

In this release, input parameters have been changed for these REST services:

- `http://localhost:8280/rest/model/atg/commerce/custsvc/order/OrderSearchTreeQueryActor/search`
- `http://localhost:8280/rest/model/atg/svc/agent/ui/formhandlers/CustomerSearchTreeQueryActor/search`

The class directory structure was changed for `element-class` and `atg-rest-class-type` from the `atg.search.routing.command.search.Field` to `atg.textsearch.client.Field`.

If you are performing an order search based on `orderId`, the `name` input parameter has changed from `orderId` to `id`. Also when performing an order search, the response will now contain `customerId` instead of `firstName` and `lastName`. These properties will be returned as expected in Customer search response.

### Removal of ATG Search

It is important to note that data is not automatically migrated for profile and order searches. The removal of ATG Search means that all profile and order data needs to be re-indexed via a baseline index. For information on how to initiate a baseline index for the new Full Text Search, see the *ATG Commerce Service Center Installation and Configuration Guide*.

## Oracle ATG Core Commerce Notes

The following methods in `atg.commerce.order.purchase.PurchaseProcessHelper` have been deprecated in this release:

- `adjustItemRelationshipsForQuantityChange()`
- `increaseRelationshipQuantity()`
- `removeEntireRelationshipQuantity()`
- `decreaseRelationshipQuantity()`
- `adjustNonGiftHandlingInstructionsForQuantityDecrease()`
- `adjustNonGiftHandlingInstructionsForQuantityIncrease()`

These deprecated methods are now implemented with `atg.commerce.order.CommerceItemManager`. The deprecated method `PurchaseProcessHelper` has been changed to call the corresponding method in the `CommerceItemManager` class.



### Other Code Changes

A `GiftListManager` reference has been added to the `CommerceItemManager` class.

The method `updateOrder()` of `GiftListFormHandler` now calls the `adjustItemRelationshipsForQuantityChange` method of `CommerceItemManager`.



## 9 Post-Migration Task Checklist

After migration is complete, perform the following tasks:

3. If using ATG Content Administration, update view mappings to receive user interface updates. See the [Updating View Mappings](#) section.
4. If using ATG Content Administration, it is good practice to launch a full deployment to all workflow targets. This ensures that content is fully synchronized between the asset management server and workflow targets.

**Note:** Before launching a full deployment, remap the repositories for your site in the Content Administration Console. This step is necessary because a number of repositories (such as `ProductCatalog` and `Site`) are secured by default in this release.

5. Clear browser caches.
6. Clear the application server cache.

For example, on JBoss, empty the contents of each server directory:

```
/work/jboss.web/localhost
```

7. It is good practice to review any existing scenarios and restart them if appropriate.
8. Test the upgraded platform and applications (see [Migration Testing](#)).



# 10 Migration Testing

To verify the success of your migration production servers, follow these steps:

1. Assemble EAR files for the asset management and production servers.  
**Important:** If you installed and configured a preview server and imported preview data from `DPS-UI/install/data/viwmapping_preview.xml`, `SiteAdmin/Versioned/install/data/viwmapping_preview.xml`, and `DCS-UI/install/data/viwmapping_preview.xml`, you must assemble the versioned preview application and the Business Control Center with the `-layer Preview` switch. For more information about setting up preview, see the *Business Control Center Administration and Development Guide*.
2. Deploy the EAR files to the application server and start the production and asset management servers.
3. From the ATG 11.0 Business Control Center, verify that you can view:
  - All internal users created in ATG 10.2
  - All assets created in ATG 10.2
4. Confirm that the ATG 11.0 production server contains all assets that were accessible on the ATG 10.2 platform.
5. Create some test projects, where you add new assets and edit existing ones. Deploy these assets and verify that the deployment is successful.
6. Confirm that deployed file assets are in the correct location and behave as expected.