ORACLE®

COMMERCE

Version 11.1

Platform Upgrade and Migration Guide

11.0 to 11.1

Platform Upgrade and Migration Guide – 11.0 to 11.1

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1 Introduction

This guide describes how to upgrade from ATG 11.0 to Oracle Commerce Platform 11.1. It is written for programmers, DBAs, site administrators, and partners.

Before you begin migration:

1. 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.
2. Review the Migration Overview chapter.

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

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

Important: You must upgrade your entire Oracle Commerce Platform installation; you cannot upgrade only part of it. Oracle does not support running different versions of Oracle Commerce Platform products together. For example, using the 11.1 platform with an older version of Commerce Service Center is not supported. The platform and all applications must have the same version number.

The CIM Migration Tool

Much of the migration process is performed by the Configuration and Installation Manager (CIM) Migration Tool, which automates schema and data migration based on your current installation and your installed migration kits.

New in Oracle Commerce 11.1

For information on the features in this release, refer to the *Oracle Commerce Version 11.1 What's New Reference* knowledge article on My Oracle Support.

Product Name Changes

Some product names have changed in this release. The following table shows the old and new names.

Old Name	New Name	Notes
Oracle ATG Web Commerce	Oracle Commerce Platform	Includes all ATG products. Does not include Oracle Commerce Guided Search (Endeca) products.
ATG platform	Core Platform	Includes the Dynamo Application Framework, Personalization, and Scenarios modules
ATG Commerce	Core Commerce	The commerce module, also referred to as DCS

2 Migration Overview

To migrate from ATG 11.0 to Oracle Commerce Platform 11.1, follow these steps:

1. Review Pre-Migration Task Checklist.
2. Install Oracle Commerce Platform 11.1.
3. Run the CIM Migration Tool.
4. Complete Manual Migration Tasks.
5. Complete Application-Specific Post Migration Steps.
6. Complete Migration Testing.

Each of these steps is detailed in the following chapters.

3 Pre-Migration Task Checklist

Before starting migration, complete these tasks:

1. Back up your Oracle Commerce Platform 11.0 database.
2. Back up all of your `Publishing` and `PublishingAgent` directories --for example, these CIM-generated directories under `<ATG11dir>/home/servers/`:
   - `atg_publishing_lockserver/Publishing`
   - `atg_production_lockserver/PublishingAgent`

   You should also back up the `<ATG11dir>/home/Publishing` 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 `loadAllAvailable` method on all loaders in `/atg/reporting/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.
8. If you are using an MSSQL database, delete all MSSQL script files that contain international data. For example:

   `<ATGdir>\migration\11.0to11.1\ARF\DW\base\sql\db_components\mssql\arf_rpd_i18n_init_XXX.sql`

   Alternatively, you can leave a single script file for each language, assuming that your database is capable of supporting that language.

Note: In addition to the tasks listed here, some applications may have their own requirements. Before starting the migration, check the instructions for each installed application, under Application-Specific Post Migration Steps.

4 Install Oracle Commerce Platform 11.1

The next step in the migration process is to install the Oracle Commerce Platform 11.1 product, obtain the resources required for the migration process, and configure your environment.

1. Install Oracle Commerce Platform 11.1 as directed in the *Oracle Commerce Installation and Configuration Guide*.
2. Download the migration kits necessary for your products, available on the My Oracle Support Web site.

   If you are using Commerce Service Center modules, download `OCServiceCenter111MigrationKit` in addition to the `OCPlatform111MigrationKit`.

   Copy the files to `<ATGdir>` and unpack the kits, which creates the `<ATGdir>\migration` directory.

   Note: If you use both the Platform and the Service modules, you must unpack both kits before starting your schema migration since both the modules are migrated in one step.
3. Copy your existing configuration files and application modules to the Oracle Commerce Platform 11.1 installation. Update application code as necessary to conform to new Oracle Commerce Platform 11.1 functionality. For more information, see the Application-Specific Post Migration Steps chapter.

   Note: Commerce Reference Store and the reference applications do not migrate.
4. Copy the directories listed from your ATG 11.0 installation into your Oracle Commerce Platform 11.1 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 11.0 installation to your Oracle Commerce Platform 11.1 installation.

Version Compatibility

Before you begin installation of Oracle Commerce Platform 11.1, see the Oracle Commerce Supported Environments document in the My Oracle Support knowledge base (https://support.oracle.com/).

5 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.

No Data Migration in this Release

Note that the data migration function is not part this release (ATG 11.0 to Oracle Commerce Platform 11.1). Running the CIM data migration option will not perform a data migration action.

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 `ATG11.1` installation folder.

Note: You must have installed an older Oracle Commerce Platform 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 the 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:

```
cim.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\11.0to11.1
```

If you have unpacked the migration kit to `<ATGdir>\migration\11.0to11.1` you can use the unqualified CIM command:

```
cim.sh|bat -migration
```

Otherwise, specify the kit location. For example:

```
cim.sh|bat -migration -migrationpath \oracle\migration\11.0to11.1
```

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 them in a 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, for example:

```
=======CIM MAIN MENU============================================================
enter [h]Help, [q]Quit to exit


Choose the task you want to perform:


  [1]  Configure OPSS Security – Done
  [2]  Server Instance Configuration – Done
```

```
  [3]  Application Assembly & Deployment – Done
  [R]  Set the Administrator Password – Done
  [A]  Select Application Server - Done (Websphere)
 *[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]  11.0 -> 11.1

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, for example:

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

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

  [1]  Oracle Commerce Platform -
       Includes, optionally, data warehouse components

 *[2]  Oracle Commerce Site Administration -
       Includes Commerce Platform and Content Administration

  [3]  Oracle Commerce Platform-Guided Search Integration -
       Includes Commerce Platform. Select this option when Commerce Guided
       Search is used.

 *[4]  Oracle Commerce Core Commerce -
       Includes Commerce Platform and Content Administration. Optional: data
       warehouse components, Preview and Merchandising UI
```

```
  [5]  Oracle Commerce WebCenter Sites Extensions -
       Includes Commerce Platform and Commerce CAS Reader.

 *[6]  Content Administration -
       Includes Oracle Commerce Platform.  Optional: Preview

  [7]  Oracle Commerce CAS Reader -
       Includes Commerce Platform. Select this option when Commerce Platform
       is used to import data to Commerce CAS.

  [8]  Oracle Commerce 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 Datasource` 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 Datasource` 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`

- `Cleanup Schema` – In this step, run the schema cleanup scripts for the product combinations you are configuring.

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 a 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.

Note that the data migration function is not part this release (ATG 11.0 to Oracle Commerce Platform 11.1). Running the CIM data migration option will not perform a data migration action.

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.

Note that the data migration function is not part this release (ATG 11.0 to Oracle Commerce Platform 11.1). Running the CIM data migration option will not perform a data migration action.

6 Manual Migration Tasks

There are some migration tasks which are not performed by the CIM Migration Tool. You must manually perform these after running the CIM Migration Tool to complete the update process.

Updating View Mappings

Many Oracle Commerce Platform 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 after completing the steps below.

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

```
$class=atg.service.jdbc.FakeXADataSource
driver=oracle.jdbc.OracleDriver
URL=jdbc:oracle:thin:@your_host_name:1521:utf8112
user=username
password=password
```

If you use switching data sources, configure the following files:

- `FakeXADataSource_switchA.properties` to refer to your `SwitchingA` schema.
- `FakeXADataSource_switchB.properties` to refer to your `SwitchingB` schema.
- `SwitchingDataSourceA.properties` to refer to your `FakeXADataSource_switchA.properties` file.
- `SwitchingDataSourceB.properties` to refer to your `FakeXADataSource_switchB.properties` file.

For example:

```
$class=atg.service.jdbc.MonitoredDataSource
dataSource=/atg/dynamo/service/jdbc/FakeXADataSource_switchA
```

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

```
/bin/startSQLRepository -m BIZUI –repository
/atg/web/viewmapping/ViewMappingRepository –import
"<ATGdir>/home/../BIZUI/install/data/viewmapping.xml"

bin/startSQLRepository -m BCC -repository
/atg/web/viewmapping/ViewMappingRepository -import
"<ATGdir>/home/../BCC/install/data/viewmapping.xml"

bin/startSQLRepository -m ContentMgmt-UI –repository
/atg/web/viewmapping/ViewMappingRepository –import
"<ATGdir>/home/../ContentMgmt-UI/install/data/viewmapping.xml"

bin/startSQLRepository -m DPS-UI -repository
/atg/web/viewmapping/ViewMappingRepository -import
"<ATGdir>/home/../DPS-UI/AccessControl/install/data/viewmapping.xml"

bin/startSQLRepository -m DPS-UI –repository
/atg/web/viewmapping/ViewMappingRepository –import
"<ATGdir>/home/../DPS-UI/AccessControl/SSO/install/data/viewmapping.xml"

bin/startSQLRepository -m DPS-UI -repository
/atg/web/viewmapping/ViewMappingRepository -import "<ATGdir>/home/../DPS-
UI/install/data/viewmapping.xml"

bin/startSQLRepository -m AssetUI -repository
/atg/web/viewmapping/ViewMappingRepository -import
"<ATGdir>/home/../AssetUI/install/data/viewmapping.xml"

bin/startSQLRepository -m AssetUI -repository
/atg/web/viewmapping/ViewMappingRepository -import
"<ATGdir>/home/../AssetUI/install/data/assetManagerViews.xml"

bin/startSQLRepository -m SiteAdmin.Versioned -repository
/atg/web/viewmapping/ViewMappingRepository -import
"<ATGdir>/home/../SiteAdmin/Versioned/install/data/viewmapping.xml"

bin/startSQLRepository -m DPS-UI.Versioned -repository
/atg/web/viewmapping/ViewMappingRepository -import "<ATGdir>/home/../DPS-
UI/Versioned/install/data/viewmapping.xml"

bin/startSQLRepository -m DPS-UI.Versioned -repository
/atg/web/viewmapping/ViewMappingRepository -import "<ATGdir>/home/../DPS-
UI/Versioned/install/data/examples.xml"

bin/startSQLRepository -m DCS-UI -repository
/atg/web/viewmapping/ViewMappingRepository -import "<ATGdir>/home/../DCS-
UI/install/data/viewmapping.xml"

bin/startSQLRepository -m DCS-UI.Versioned -repository
/atg/web/viewmapping/ViewMappingRepository -import "<ATGdir>/home/../DCS-
UI/Versioned/install/data/viewmapping.xml"

bin/startSQLRepository -m DCS-UI.SiteAdmin.Versioned -repository
/atg/web/viewmapping/ViewMappingRepository -import "<ATGdir>/home/../DCS-
UI/SiteAdmin/Versioned/install/data/viewmapping.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 view mapping components specifically for preview and require the preview layer. (For more information, see Migration Testing.)

```
bin/startSQLRepository -m DPS-UI -repository
/atg/web/viewmapping/ViewMappingRepository -import "<ATGdir>/home/../DPS-
UI/install/data/viewmapping_preview.xml"
```

```
bin/startSQLRepository -m SiteAdmin.Versioned -repository
/atg/web/viewmapping/ViewMappingRepository -import
"<ATGdir>/home/../SiteAdmin/Versioned/install/
data/viewmapping_preview.xml"
```

```
bin/startSQLRepository -m DCS-UI -repository
/atg/web/viewmapping/ViewMappingRepository -import "<ATGdir>/home/../DCS-
UI/install/data/viewmapping_preview.xml"
```

7 Application-Specific Post Migration Steps

After completing all tasks described in previous sections, review these migration steps for specific 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:

ATG Content Administration Notes

Oracle Commerce Platform Notes

Oracle Commerce Core Commerce Notes

Oracle Commerce Core Platform

Oracle Commerce Core Platform, Oracle Commerce Core Commerce, and Oracle Commerce Reference Store

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 Oracle Commerce Platform 11.1 and upgrade database schemas on production and Content Administration servers, you must migrate the versioned file assets:

1. Delete the Oracle Commerce Platform 11.1 `versionFileStore` directory:

   `<ATG11.1dir>/home/Publishing/versionFileStore`

2. Replace this directory by copying the corresponding Oracle Commerce Platform 11.0 `versionFileStore` directory:

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

Oracle Commerce Platform Notes

If you install Oracle Commerce Platform 11.1 and upgrade database schemas on production and ATG Content Administration servers, and deploy project or perform a full deployment, the deployment may fail in the BCC, displaying this error in BCC Console:

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

What You Should Do

You must migrate your versioned file assets as follows:

1. Delete the Oracle Commerce Platform 11.1 `versionFileStore` directory:

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

2. Replace this directory by copying the corresponding Oracle Commerce Platform 11.0 `versionFileStore` directory:

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

Oracle Commerce Core Commerce Notes

Information relating to Core Commerce is discussed in the following section.

Associating Organization with order.java

The `Order.java` interface has been modified to support the ability for an order to be saved in the context of the organization, adding setter and getter methods for `organizationId`.

What You Should Do

If you have a class that implements `Order.java`, you should implement getter and setter methods for the property `organizationId`.

Atg.commerce.order.Order Interface Changes

The `atg.commerce.order.Order` interface has been updated to support the underlying item descriptor changes. The following was added:

```
getQuoteInfo(), setQuoteInfo(Repository pQuoteInfo), getActiveQuoteId(),
setActiveQuoteId(String pActiveQuoteId)
```

What you should do

Any implementers of this Order interface need to support these new method definitions.

Atg.commerce.order.Order Interface Changes

To prevent persisting empty orders, `getTransientData()` was added to the `atg.commerce.order.Order` interface.

What you should do

If you have a class that implements `Order.java` you should implement getter and setter methods for the property `transientData`.

Interface ShippingGroupPropertyContainer Utilized

In prior releases a data match was based solely on the email address of the Shipping Groups. In this release the code has been changed to require that all properties in the `PropertyContainer` list match.

Prior releases could also declare a match based solely on `location-Id.` The code has been changed to compare `location-Id` and the name of the person picking up the goods to declare a match.

What you should do

If you want to preserve the older mechanism, override `doPropertiesMatch().`

Organization Properties

A new property, `currentOrganization,` was added to the user profile in the Core Commerce DCS layer.

Motorprise, the B2B reference application, defines a user profile property of the same name (`currentOrganization`) in its layer.

What you should do

If you have based your storefront implementation on Motorprise and had kept the `currentOrganization` property, your implementation will now be in conflict with the new DCS layer property. Additionally, the property defined in the `MotorpriseJSP` layer has been renamed to `adminOrganization`. In either case, you will need to review your code implementation.

PersistEmptyOrders property

A `PersistEmptyOrders` property was added to the `ShoppingCart` component in Oracle Commerce Platform 11.1. The new property, when used in conjunction with `PersistOrders` and `PersistOrdersForAnonymousUsers`, allows you to turn off empty order persistence for logged-in users, anonymous users, or both. The property is useful for sites where storing empty orders may have little business value, for example sites that handle large numbers of anonymous visitors.

What you should do

If you want to return to the 11.0 functionality you need to set `PersistEmptyOrders` to true on the `ShoppingCart` component to save empty orders to the database.

Organizations and Incomplete Orders

If you are using organizations, and need to have incomplete orders accessible to shoppers, you must perform the following steps.

What you should do

After you have completed migration, execute the following SQL statement:

```
update dcspp_order
set organization_id = (select max(organization) from dps_user_org where
dps_user_org.user_id = dcspp_order.profile_id)
where dcspp_order.state = 'INCOMPLETE' and dcspp_order.submitted_date is null;
```

Oracle Commerce Core Platform

Issues relating to Core Platform are discussed in the following section.

Oracle Commerce Platform-Guided Search Integration

A default setting for the `EndecaIndexingOutputConfig.replaceWithTypePrefixes` property of "." has been added. Default item descriptor names are prefixed to output names for properties defined in `Output Configs` where they are not explicitly defined. In prior releases nothing was prefixed by default to the property output names.

What you should do

If you have defined `Output Configs` without explicitly defining output-name for properties the default, note that now the default will be `<itemDescriptor name>.<property name>`. If you have not set the `replaceWithTypePrefixes` property or explicitly defined output names for all properties, you should review your code.

Commerce SSO

`PassportServlet.java` has been moved from:

```
//product/DPS/main/Java/atg/userprofiling/sso/PassportServlet.java
```

to

```
//product/DPS/main/Java/atg/userprofiling/passportsso/PassportServlet.java
```

What you should do

If you reference this class in any component, you will need to change it to use the new package path.

ItemLookupDroplet

If you use a custom component based directly on the `ItemLookupDroplet` class (`$class=atg.repository.servlet.ItemLookupDroplet`), and you are using it to retrieve an item from repository item that has the `context-membership-property` attribute on its item descriptor, look-ups may no longer find the specified item. The `ItemLookupDroplet` class now has the ability, which is enabled out of the box, to filter out found items that are inappropriate for the current site context. It uses the `context-membership-property` attribute to do this site filtering. Out of the box, the catalog repository uses this attribute, so custom components that access the catalog repository may experience this behavior (note that the content management repository also uses the `context-membership-property` attribute but it is new for version 11.1, so no migration is required). For more details on `ItemLookupDroplet` site filtering functionality, see the *Page Developer's Guide*.

What you should do

Set your custom component's `filterBySite` property to false to disable site filtering.

Oracle Commerce Core Platform, Oracle Commerce Core Commerce, and Oracle Commerce Reference Store

Issues relating to Core Platform, Core Commerce, and CRS are discussed in the following section.

Oracle Commerce Platform-Guided Search Integration

The output-name of the `$docId` property has been changed to `record.id`.

In prior releases this was `record.spec` in DAF and `common.id` in CRS.

This has been defined in `ApplicationConfiguration` and all other code references this (except the Deployment Template). The need to define this property in all definition files has also been removed, since it is automatically generated for all document-level items.

What you should do

If you require a different output name you will need to set the `recordIdName` property on `ApplicationConfiguration`. You should review your Indexing Output Config (IOC) definition files since they may also need to be updated.

Oracle Commerce Platform-Guided Search Integration

The output-name of the `$itemDescriptor.itemDescriptorName` property has been changed from `item.type` to `record.type` and is now only populated with the `itemDescriptor` of the primary item type. In prior releases it was populated with `itemDescriptor` of all related items unless suppressed.

What you should do

If you require a different output name for the `$itemDescriptor.itemDescriptorName` property you will need to set the `recordTypeName` property on `ApplicationConfiguration`. If you require `itemDescriptor` of related items you will need to explicitly define these in the IOC. Suppression of `$itemDescriptor.itemDescriptorName` in IOC definition files should also be removed.

Oracle Commerce Platform-Guided Search Integration

The output-name of the `$repository.repositoryName` property has been changed from to `record.source.` In prior releases `repositoryName` was prefixed with the `itemDescriptor` name. The property is now only populated with the `repositoryName` of the primary item type. In prior releases it was populated with `repositoryName` of all related items unless suppressed.

What you should do

If you require a different output name for the `$repository.repositoryName` property you will need to set the `recordSourceName` property on `ApplicationConfiguration`. If you require `repositoryName` of related items you will need to explicitly define these in the IOC. Suppression of `$repository.repositoryName` in IOC definition files will also need to be removed.

Configuration for filtering

Configuration for filtering by site context-membership has moved from the DCS module to the DAS module. From

```
//product/DCS/main/Java/atg/commerce/catalog/custom/CatalogItemLookupDroplet.java
```

to

```
//product/DAS/main/Java/atg/repository/servlet/ItemLookupDroplet.java.
```

Filtering of site context-membership is now on by default. In prior releases it was only switched on in `CatalogItemLookupDroplet.java`.

What you should do

If you currently use `ItemLookupDroplet` on repository items that have context-membership defined, you will need to set the `filterBySite` property or param to false if you do not want context-membership to take effect.

Commerce Single-Sign On (SSO) Issues

If you implemented Commerce SSO functionality, the Commerce SSO selection will not be retained after you complete the CIM migration. To ensure the Commerce SSO functionality:

1. Complete the CIM migration
2. Manually configure the publishing server by completing the file edits in the section that follows.
3. Run the CIM Migration tool again, making sure to select the Commerce SSO option.

Files to Create After Completing CIM Migration

After you complete the CIM migration, create this file with the following content:

localconfig\atg\userprofiling\sso\LightWeightSSOTools.properties

```
ssoServerPort=8380
ssoServerHost=localhost
```

Files to Change After Completing CIM Migration

Edit the following files after you complete the CIM migration.

localconfig\moduleList.properties

Edit the `moduleList.properties` file to add `ContentMgmt.Versioned` and `ContentMgmt.Endeca.Index.Versioned` to the file:

```
modules=DCS-UI.Versioned, BIZUI, PubPortlet, DafEar.Admin, ContentMgmt.Versioned,
DCS-UI.SiteAdmin.Versioned, SiteAdmin.Versioned, DCS.Versioned, DCS-UI,
Store.EStore.Versioned, Store.Storefront, ContentMgmt.Endeca.Index.Versioned,
DCS.Endeca.Index.Versioned, Store.Endeca.Index.Versioned,
```

```
DCS.Endeca.Index.SKUIndexing, Store.EStore.International.Versioned,
Store.Endeca.International, ARF.base
```

localconfig\atg\web\assetmanager\userprofiling\NonTransientAccessController.properties

Edit the `NonTransientAccessController.properties` file after you complete the CIM migration to make these changes:

```
$class=atg.userprofiling.sso.NonTransientAccessController
lightweightSSOTools=/atg/userprofiling/sso/LightweightSSOTools
```

localconfig\atg\userprofiling\InternalProfileFormHandler.properties

Edit the `InternalProfileFormHandler.properties` file after you complete the CIM migration to make this change:

```
logoutSuccessURL^=/atg/userprofiling/sso/LightweightSSOTools.logoutSuccessURL
```

localconfig\atg\remote\controlcenter\service\ControlCenterService.properties

Edit the `ControlCenterService.properties` file after you complete the CIM migration to make this change:

```
logoutSuccessURL^=/atg/userprofiling/sso/LightweightSSOTools.logoutSuccessURL
```

localconfig\atg\dynamo\servlet\dafpipeline\DynamoHandler.properties

Edit the `DynamoHandler.properties` file after you complete the CIM migration to make this change:

```
insertableServlets+=/atg/dynamo/servlet/dafpipeline/LightweightSSOServlet
```

Files to Remove After Completing CIM Migration

Remove the following files after you complete the CIM migration:

```
localconfig\atg\userprofiling\commercesso\CommerceSSOTools.properties
localconfig\atg\dynamo\servlet\dafpipeline\CommerceSSOServlet.properties
```

Commerce Service Center Issues

Issues relating to Commerce Service Center are discussed in the following section.

Text Search Issues in Commerce Service Center after migration

There may be issues with text search in Commerce Service Center after the migration is completed.

What you should do

A new property, `indexingSession`, must be added to the `ProfileOutputConfig` and `OrderOutputConfig` files:

```
<Dynamo_Home>\servers\<AgentServer>\localconfig\atg\commerce\textsearch\OrderOutputConfig.properties
```

```
<Dynamo_Home>\servers\<AgentServer>\localconfig\atg\userprofiling\textsearch\ProfileOutputConfig.properties
```

For example, to use a DB2 database, this value for the property should be added:

```
indexingSession^=/atg/userprofiling/textsearch/indexing/session/IndexingSessions.db2
```

In Commerce Service Center Product Catalogs Do Not Display

In Commerce Service Center product catalogs may not display after migration.

What you should do

You need to create a `DefaultFileStoreFactory.properties` file with the `configurationPath` property for your publishing, production and agent server instances. Add this file here:

```
<DYNAMO_ROOT>/home/servers/<server>/localconfig/atg/endeca/assembler/cartridge/manager/DefaultFileStoreFactory.properties
```

The value for the `configurationPath` property:

```
configurationPath=<ENDECA_ROOT>/Apps/CRS/data/workbench/application_export_archive/CRS
```

Note: You must use UNIX-style forward slashes in the path even on Windows installations.

8 Post-Migration Task Checklist

After migration is complete, perform the following tasks:

1. If you use ATG Content Administration, you must update view mappings to receive user interface updates. See the Updating View Mappings section.
2. If you use 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.
3. Clear browser caches.
4. Clear the application server cache.

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

   `/work/jboss.web/localhost`
5. It is good practice to review any existing scenarios and restart them if appropriate.
6. Test the upgraded platform and applications (see Migration Testing).

9 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/viewmapping_preview.xml`, `SiteAdmin/Versioned/install/data/viewmapping_preview.xml`, and `DCS-UI/install/data/viewmapping_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 Oracle Commerce 11.1 Business Control Center, verify that you can view:
   - All internal users created in Oracle Commerce Platform 11.0
   - All assets created in Oracle Commerce Platform 11.0
4. Confirm that the Oracle Commerce Platform 11.1 production server contains all assets that were accessible on the Oracle Commerce Platform 11.0 platform.
5. Create some test projects and 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.