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COMMERCE

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Platform Upgrade and Migration Guide

Platform Upgrade and Migration Guide

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1 Introduction

This guide describes how to upgrade from Oracle ATG Web Commerce 10.2 or later versions to Oracle Commerce Platform 11.3.2. It is written for programmers, DBAs, site administrators, and partners.

Before you begin the migration process:

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\ATG11.3.2`, but this location can vary in your installation.

For detailed information about Oracle Commerce Platform products, refer to 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 portions of it. Oracle does not support running different versions of Oracle Commerce Platform products together. For example, using the 11.3.2 Oracle Commerce Platform with an older version of Commerce Service Center is not supported. The platform and all applications must have the same release number.

If you are performing a migration over more than two releases, you need to review any exported scripts and logs for any errors after each migration.

The CIM Migration Tool

If you are upgrading from 11.3.1 to 11.3.2, there is no need to use the CIM migration tool. If you are upgrading from pre 11.3.1, you can still use the CIM migration tool. See the version of the migration guide for your version.

New in Oracle Commerce 11.3.2

For information on the features in this release, refer to the Oracle Commerce Version 11.3.2 What's New Reference knowledge article on My Oracle Support.

2 Migration Overview

To migrate from Oracle ATG Web Commerce 10.2 or later to Oracle Commerce Platform 11.3.2, you perform the following steps:

1. Complete the [Pre-Migration Task Checklist](#).
2. [Install Oracle Commerce Platform 11.3.2](#).
3. Complete [Application-Specific Post-Migration Steps](#).
4. 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 database.
2. Back up all of your **Publ i shi ng** and **Publ i shi ngAgent** directories --for example, these CIM-generated directories under `<ATG11di 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 `<ATG11di 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 Oracle Commerce servers.
6. Shut down any search engines your environment uses.
7. Remove Oracle Commerce 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 requirements. Before starting the migration, review the instructions for each installed application, under [Application-Specific Post Migration Steps](#).

4 Install Oracle Commerce Platform 11.3.2

The next steps in the migration process are to install Oracle Commerce Platform 11.3.2, obtain the resources required for the migration process, and configure your environment.

1. Install Oracle Commerce Platform 11.3.2 as directed in the Platform Installation and Configuration Guide.

If you are migrating from releases earlier than 10.2, download the required migration kits for each of those releases and migrate them separately until you have migrated to release 10.2. Copy these files to <ATGdir> and unpack the kit, which creates the <ATGdir>\migration directory. See the version of the Platform Upgrade and Migration Guide for the release you are migrating. If you are migrating from 10.2 or later, you only need to download the **OCPI at form 1132 Migration Kit**.

2. If you are using an MSSQL database, delete all MSSQL script files that contain international data. For example:

Need to get the new SQL migration kits for this:

```
<ATGdir>\migration\11.0to11.3\ARF\DW\base\sql\db_components\mssql\
arf_rpd_int18n_int_XXX.sql
```

```
<ATGdir>\migration\11.2to11.3\ARF\DW\Endeca\sql\db_components\mssql\
arf_search_datawarehouse_int18n_int_XXX.sql
```

```
<ATGdir>\migration\11.2to11.3\DCS\DW\sql\db_components\mssql\
arf_dcs_int18n_int_XXX.sql
```

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

3. Copy your existing configuration files and application modules to the Oracle Commerce Platform 11.3.2 installation. Update application code as necessary to conform to new Oracle Commerce Platform 11.3.2 functionality. For more information, see the [Application-Specific Post Migration Steps](#) chapter.

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

4. If you use a Publishing Web Agent server, copy /home/PublishingWebAgent from your older (10.2-11.2) installations to your Oracle Commerce Platform 11.3.2 installation.
5. Download and apply the 11.3.1.1 install patch from the My Oracle Support site (<https://support.oracle.com/>) under the Patches and Updates tab.

Version Compatibility

Before you begin installation of Oracle Commerce Platform 11.3.2, read the Oracle Commerce Supported Environments document in the My Oracle Support knowledge base (<https://support.oracle.com/>).

5 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.

Oracle Commerce Core Commerce Notes

Migration information relating to Core Commerce is discussed in the following section.

[For bug 25786223](#)

Add Commerce Item Endpoint Additions

The Add Commerce Item endpoint will not only return a 201 response code when an item is added. If a commerce item is added to an existing item and the quantity is updated in the cart, the response code will return 200.

[For bug 2589252](#)

Update Current User Endpoint Additions

When a property is updated using the current user endpoint, the return response code is 200. When a new resource is created, such as an address, the return response code is 201.

Commerce Item Endpoint Changes

In 11.3, the add commerce item endpoint always returned a 201. Now, it has the potential to return a 200, as well as a 201.

```
(/{commerceItems}/#POST)
```

This commerce item endpoint returns a 201 response code when an item is added. Otherwise, if a commerce item ends up being merged, a 200 response code is returned.

Commerce Current User Changes

In 11.3, the current user update endpoint always returned a 201. Now, it will return with a 200 when updating properties of the current user.

`(/currentUser/#PATCH)`

This current user update endpoint returns a 200 response code when properties are updated. A 201 response is reserved for the actual creation of a new resource.

Oracle Commerce Core Platform Notes

Migration information relating to the Core Platform is discussed in the following section.

Host Header Validation

The `SecurityServlet` in the servlet pipeline will now validate the host header against a list of known hosts. Previously a list of known hosts was configured on `RedirectURLValidator`. This has been refactored so that it can be reused for validation of the host header. The configuration for the known hosts is now configured on `HostNameValidator`, and the `RedirectURLValidator` picks up the configuration from there rather than duplicating the configuration. You should move any existing configuration from `RedirectURLValidator` to `HostNameValidator` so that it can be used by both validators.

Oracle Commerce Business Control Center Notes

Migration information relating to the Business Control Center is discussed in the following section.

UI Customizations and JET

If you have written any UI customizations in the following areas, you will need to rewrite them using JET (Oracle JavaScript Extension Toolkit):

- Merchandising
- Site Administration
- Targeting and Segmentation
- Preview Users
- External Users
- Access Control

For more information about JET, see the Oracle JavaScript Extension Toolkit page, <https://www.oracle.com/webfolder/technetwork/jet/index.html>.

For instructions on how to recreate your Business Control Center customizations in JET, refer to Customizing Oracle Commerce Merchandising 11.3.2 (document ID 2620289.1) on My Oracle Support (<https://support.oracle.com/>). The document describes how to create customizations from scratch, but you can also use it for migrations as follows:

1. You can ignore any section that discusses server-side configuration as you should already have completed these steps as part of setting up your original customizations. However, it is suggested that you read the section Including Custom JET Code in the



Application, which defines how to set up the basic framework. Although this is server-side information, you should check it to ensure your environment is set up correctly.

2. Complete the steps in the sections of the document that cover client-side configuration.

6 Post-Migration Task Checklist

After all migrations are complete, perform the following tasks:

1. 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 **Product Catalog** and **Site**) are secured by default in this release.

2. Clear browser caches.
3. Clear the application server cache.

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

```
/work/jboss.web/local host
```

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

7 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.
2. Deploy the EAR files to the application server and start the production and asset management servers.
3. From the Oracle Commerce 11.3.2 Business Control Center, verify that you can view:
 - § All internal users created in Oracle Commerce Platform 11.2, or earlier releases
 - § All assets created in Oracle Commerce Platform 11.2, or earlier releases
4. Confirm that the Oracle Commerce Platform 11.3.2 production server contains all assets that were accessible on the previous releases of Oracle Commerce 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.