

**Oracle® Retail Merchandise Financial Planning
Cloud Service and Oracle® Retail Merchandise
Financial Planning Enterprise Edition Cloud
Service**

Administration Guide

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Oracle Retail Merchandise Financial Planning Cloud Service and Oracle Retail Merchandise Financial Planning Enterprise Edition Cloud Service Administration Guide, Release 19.0

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Preface

This document describes the administration tasks for Oracle Retail Merchandise Financial Planning Cloud Service and Oracle Retail Merchandise Financial Planning Enterprise Edition Cloud Service.

Audience

This document is intended for administrators.

Documentation Accessibility

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Related Documents

For more information, see the following documents in the Oracle Retail Merchandise Financial Planning Cloud Service Release 19.0 documentation set:

- *Oracle Retail Merchandise Financial Planning Cloud Service Implementation Guide*
- *Oracle Retail Merchandise Financial Planning Cloud Service Release Notes*
- *Oracle Retail Merchandise Financial Planning Cloud Service Starter Kit Guide*
- *Oracle Retail Merchandise Financial Planning Cost Cloud Service User Guide*
- *Oracle Retail Merchandise Financial Planning Retail Cloud Service User Guide*
- Oracle Retail Predictive Application Server Cloud Edition documentation set

Also, see the Oracle Retail Predictive Application Server Cloud Edition documentation set.

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An updated version of the applicable Oracle Retail document is indicated by Oracle part number, as well as print date (month and year). An updated version uses the same part number, with a higher-numbered suffix. For example, part number E123456-02 is an updated version of a document with part number E123456-01.

If a more recent version of a document is available, that version supersedes all previous versions.

Oracle Retail Documentation on the Oracle Help Center (docs.oracle.com)

Oracle Retail product documentation is available on the following web site:

<https://docs.oracle.com/en/industries/retail/index.html>

(Data Model documents can be obtained through My Oracle Support.)

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.

Administration Process

The intent of this document is to guide a Merchandise Financial Planning Cloud Service (MFP CS) Administrator to perform the recurring administrative activities for the MFP CS application. This document outlines all administration activities required to support a live MFP CS application. In some cases, the detail will be explained in this document, and in other cases, the process will be covered here and details will be explained in the *Oracle Retail Predictive Application Server Cloud Edition Administration Guide*.

The MFP CS Administrative activities can broadly be classified into two categories. This document follows these categories and provide details for the tasks within them.

Regular Activities:

- MFP Batch Task Administration
- Patch/Install Domain

Ad-hoc Activities:

- User and Role Maintenance
- Monitor Domain Performance

Regular Activities

Once a MFP CS solution is live, the Administrator is responsible for two key activities that occur on a regular basis. The first of these activities is managing the weekly/daily batch which loads and exports data required for the MFP CS users to create, manage, and share their merchandise financial plans. Internally, it also does the calculations for necessary data aggregation.

The MFP CS Admin task offers a broad range of options to the Administrator to configure the batch run and maintenance. This document also provides a concise view to the Administrator on troubleshooting when the batch fails or diagnosing rejected records, importing/exporting of data files, reading logs, and modifying the scheduled batch to work around system maintenance or patch periods. The Administrator can also decide to run the export of data exclusively without running a weekly/daily batch.

Patch uptake is another recurring task that an Administrator needs to be familiar with. This document walks through the process of taking a monthly patch and the specifics the Administrator needs to take care of.

Ad-hoc Activities

The Administrator generally comes across certain jobs on an as-needed basis. For example, the need occasionally arises to do the following:

- Add a new user who just joined the team/organization and needs to use the MFP CS application.
- Remove an existing user who has left the organization and needs to be removed from the MFP CS environment.
- Manage a user's access when the role changes within the organization.

This document describes the necessary actions to achieve this kind of request.

The Administrator can leverage the standard Online Administration Tools (OAT) tasks on an ad-hoc basis without scheduling the task daily or weekly. Ad-hoc administrative activities include properly managing the reclassification of product so that planners can continue their work without interruption, monitoring domain related information to maintain system performance, loading a hierarchy* from OAT, and so on, are several jobs the Administrator needs to perform intermittently.

*Currently, Hierarchy is also referred to as Dimension for the MFP CS application.

Oracle Support

It is requested that all retailers submit Oracle Retail Merchandise Financial Planning Cloud Service support requests through a single point-of-contact for each environment; the system administrator is usually designated to perform this role. For the maintenance of bulk user and roles, Oracle Support is a smart solution.

The link to use when submitting Service Requests (SR) is:

<https://support.oracle.com>

To learn more about how Oracle Support works, go through the following training at the My Oracle Support website:

- My Oracle Support (MOS) or Cloud Support Portal for New Users - A Getting Started Resource Center (Doc ID 1959163.1)
- How-to use My Oracle Support - Customer User Administrator (CUA) Role and Responsibilities (Doc ID 1544004.2)
- Oracle Support Accreditation - Series Index (Doc ID 1583898.1)

MFP Batch Task Administration

The Merchandising Financial Planning (MFP) Cloud Service batch task is a powerful tool provided to the Administrator to manage periodic load/export of Data/Hierarchy from the front end, eliminating the cumbersome effort of scheduling and running the batch from the back end domain server.

MFP Cloud Service uses the Oracle Retail Predictive Application Server Cloud Edition (RPASCE) Online Administration Tools to schedule RPASCE services to run batch on the Cloud. Administrative users can view the results of the scheduled services in the log on a dashboard through the RPASCE front end.

RPASCE Online Administration Tools support the scheduling of standard RPAS utilities and, in addition, scheduling application-specific services. For a detailed understanding of the Online Administration Tools, see the *Oracle Retail Predictive Application Server Cloud Edition Administration Guide*.

The following sections explain the application-specific administration tasks that are pre-configured for MFP Cloud Service. These tasks are only applicable for non-Enterprise Edition implementations.

With Enterprise Edition implementations, the Configured Batch Tasks can be fully configured by making changes to the batch control files. For information about changing the batch control files and how to upload them, see the *Oracle Retail Predictive Application Server Cloud Edition Implementation Guide*.

Non-Enterprise Edition retailers can also customize the tasks by changing the control files as part of the Extensibility framework. For allowed changes, see the *Oracle Retail Merchandise Financial Planning Cloud Service Implementation Guide*.

Application-Specific Batch Tasks

The application-specific batch tasks are a set of tasks that help the Administrator to load/export a predefined set of data and hierarchies. These tasks are found in the Online Administration Tools as Configured Batch Tasks.

Each task in turn calls predefined batch services to do the required tasks. MFP Cloud Service uses the Enterprise Edition batch framework to define the batch process.

Some tasks require input data files or hierarchy files as input. These files must be uploaded before the tasks are scheduled. Some tasks export files out of the application. Those files are copied to the SFTP export location, and Administrators can download these exported files.

The SFTP file location is a space provided to the Administrator to load import files and access exported batch files. For more information, see "[Batch File Uploads/Downloads](#)."

Administrators can set up some additional batch specific measures, such as Enable RMF CS Integration, that control the batch process in the client UI in MFP Setup -> Manage Batch -> Manage Batch.

If Bulk Data Integration (BDI) is enabled during implementation, the Batch Uses BDI flag should be enabled in the Manage Batch task. If Planning Data Storage (PDS) is enabled during implementation, the Batch Uses PDS flag is set. Based on those flags, additional steps will get executed during the batch.

The following list shows the application-specific administration tasks that are pre-configured for MFP Cloud Service under Configured Batch Tasks:

- Run Batch Measure Load Group
- Run Batch Measure Export Group
- Run Batch Calc Group
- Run Batch Task Group

These batch tasks are explained in detail in subsequent sections. There are some additional tasks available under Configured Batch Tasks which are generic RPAS-specific tasks. Details about the RPAS-specific tasks can be found in the Batch Administration section in the *Oracle Retail Predictive Application Server Cloud Edition Administration Guide*.

Run Batch Measure Load Group

This task is used to load a predefined set of measures grouped as a measure set in the batch control file `batch_loadmeas_list.txt`. These set of measures can be loaded together. Actuals Data is a named set of load measures in the batch control file. If the Administrator decides to load the measure set for Actuals Data, the Administrator needs to load data for measures which includes measures such as Ty Sales Clr R and TY Sales Clr U. All required data files must be uploaded to the SFTP location before scheduling this task. For more information, see "[Batch File Uploads/Downloads](#)." If there is no file present to load a particular measure in that measure set, it will be logged as not found and skipped.

This process will only load the data into those measures and will not run any subsequent calculations. The Administrator may need to schedule the necessary Run Batch Calc Group task after scheduling this task in order to process the loaded data.

The Predefined Measure Load Options in MFP are listed below:

- Actuals Data (load_act) - To load all the measures containing actual data as needed such as Sales, Inventory, Receipt, Shrink, and so on.
- On Order Data (load_oo) - To load only On Order data files.
- Admin Data (load_adm) - To load planning administration level data such as VAT %, Currency Conversion Rates, Week Mapping, and so on.
- RMS Forecast (load_rms) - To load transformed RMF CS interface data files.
- Translation Files (load_tran) - To load all the translation files.

For details about the list of measure files that are loaded for different measure sets and information on the data file formats, see the *Oracle Retail Merchandise Financial Planning Cloud Service Implementation Guide*.

Run Batch Measure Export Group

This task exports a predefined set of measure data into flat files. The predefined set of measures to be exported are defined in the batch control file `batch_exportmeas_list.txt`. This set of exported data can be used for integration with other applications. Typically, the data exported can be interfaced to an external database that can be used to create reports or queries by users who need Planning data. The Administrator needs to schedule the Set Export Flags under the Run Batch Calc Group task to set the required export flags before scheduling this task. Exported files for this task are put into the SFTP Export location; the Administrator can download the files from this location. For more information, see "[Batch File Uploads/Downloads](#)."

The standard exports from MFP are available to the retailer to use by any downstream applications which needs MFP plan data. Default approved plan standard exports are included as part of the daily and weekly batch.

The predefined options for these tasks are listed below:

- Merch Plan - Current Plan (mpcp)
- Merch Plan - Original Plan (mpop)
- Merch Plan - Submitted Plan (mpwa)
- Merch Plan - Working Plan (mpwp)
- Merch Target - Target Plan (mttg)
- Merch Target - Working Plan (mtwp)
- Location Plan - Current Plan (lpcp)
- Location Plan - Original Plan (lpop)
- Location Plan - Working Plan (lpwp)
- Location Target - Target Plan (lttg)
- Location Target - Working Plan (ltwp)

For details about the different versions for export, the list of measures exported in each file, and the file name and format details, see the *Oracle Retail Merchandise Financial Planning Cloud Service Implementation Guide*.

Run Batch Calc Group

This task is used to run a predefined set of all batch rules (as batch calc sets) against the domain to do the necessary data aggregation that is defined in the batch control file `batch_calc_list.txt`.

The following predefined batch calculation sets are available in MFP:

- Weekly Batch Calc (batch_week)
- Generate Forecast (batch_fcst)
- Set Export Flags (exp_set)

Weekly Batch Calc (batch_week)

This batch calc set is used to run all required batch process calculations to do the necessary data aggregation and inventory roll operations after the weekly data load. It internally runs the batch rule groups `Batch_GB`, `Batch_AggW` and `Batch_InvRoll`.

This allows the users to see actualized data for the current elapsed week such as sales, markdowns, and receipts as well as inventory for both current and recalculated for

future periods. This also allows users to see a sales forecast based on actuals that have been loaded and apply the trend to go forward weeks.

This process runs as part of a Weekly Batch. This task may be also scheduled if a retailer has data issues and needs to reload corrected actual data files in the middle of week and reprocess the week batch calculation.

Batch_GB sets the elapsed measures and runs domain calcs for the Location Target measures. Batch_AggW copies all loaded actuals into the WP and CP versions for the elapsed periods. Batch_InvRoll rolls forward the new EOP of the elapsed periods to the future BOP and EOP for both the WP and CP versions.

Generate Forecast (batch_fcst)

This batch calc set is used to generate forecast data used by MFP Cloud Service. It uses the embedded RDF forecast procedures by calling the internal configuration rule groups Batch_Fcst_G and Batch_Fcst_L. These rule groups call the embedded RDF forecast procedure to calculate the forecast for future periods of all versions using loaded actual and approved plan data. It calculates both the in-season forecast and pre-season forecast for all versions. Only one version of the forecast is shown in the workbook, based on the workbook build for in-season or pre-season. It uses the Auto-ES forecast method for Pre-Season forecasts and the Bayesian forecasting method for In-Season forecasts for all levels of plans. The customer can modify this to supported forecast methods at the department/channel level in the MFP Maintenance -> MFP Setup -> Forecast Setup view.

This process also runs as part of the regular weekly batch, but if the retailer wants to regenerate the forecast after loading corrected actuals in the middle of the week, then they can run this task.

Following is the list of forecast measures that are calculated by this process:

- Wp Fcst In Reg+Promo R
- Wp Fcst In Clr R
- Wp Fcst In Reg+Promo U
- Wp Fcst In Clr U
- Wp Fcst Pre Reg+Promo R
- Wp Fcst Pre Clr R
- Wp Fcst Pre Reg+Promo U
- Wp Fcst Pre Clr U

Set Export Flags (exp_set)

This batch calc set is used to set the necessary export flags for all standard exports used by MFP Cloud Service. The user can control the position exported for all versions by setting the administration measure addvexportb Export Mask in the Manage Export view. If the Export Elapsed Periods flag is set to false (the default), it will not export elapsed period data. This task sets export flags for each version of exports based on the Export Mask. For approved and submitted plans, the export flag is set based on the Export Mask and Approved or Submitted Info measure. For working plans, it is set based on the Export Mask and Seeded Info measures.

By default, daily and weekly batch runs these calculations before running an export. It can be turned off during the daily or weekly batch by turning off the Boolean admin measures Enable Daily Exports and Enable Weekly Exports in the Manage Batch view.

The Administrator needs to run this task only if they have changed the export settings and wants to create an on-demand plan data export.

Run Batch Task Group

This task is used to schedule a predefined set of batch tasks such as load measure, batch calc, and batch exports in a sequential order. The batch control file `batch_exec_list.txt` defines the steps in the specific order that will be executed during batch task execution. This task is used to schedule a typical daily or weekly MFP Cloud Service batch. If any task aborts, a log is created and the process terminates. This task has the option to restart from the last failed service rather than running all the completed services again.

Note: Typically, the Administrator must schedule this task within a time frame after a domain backup and when no users are logged into the domain because this task runs in domain exclusive mode. The Administrator must work with Oracle to find out the time of backups and any other jobs.

The following predefined batch sets are available:

- Daily Batch (`batch_daily`)
- Weekly Batch (`batch_weekly`)
- Transform RMS Files (`batch_rms_xform`)
- Transform RMS Warehouse Data (`batch_rms_wh`)
- Load Hierarchies (`load_hier`)
- Export All Approved Plans (`export_all`)
- Export All Working Plans (`export_wp`)
- Exports to Retail Insights (`export_ri`)
- Exports to Shared Services (`export_ss`)
- Post Build Batch (`postbuild`)

Daily Batch (`batch_daily`)

This task is used to schedule a daily plan data export and load on-order files. A retailer may need on-order on a daily basis during an open-to-buy for example.

If a daily load or export is not needed, this step can be skipped as they are scheduled in the weekly load/export process. Steps in this process are also part of the Weekly Batch, so they do not have to schedule this during weekly batch.

Also, if the retailer does not need exports on a daily basis, they can skip scheduling this process.

This task runs the following set of activities in this order:

- Run Batch Calc: Set Batch Specific Flags
- If Enable Daily Exports is set to true: Set Export Flags and Export All Plan Versions
- Measure Load: Load On Order and Process On Order
- Rebuild Dashboard

Weekly Batch (batch_weekly)

This task is used to schedule a typical weekly MFP batch, which includes loading all hierarchy files and actual data and running all batch aggregations tasks needed for inventory roll. This task is the main task that needs to be scheduled to run on a weekly basis so the Administrator can see the most up-to-date location and product structures and information. Before scheduling this task, all necessary hierarchy and data files need to be uploaded to the SFTP server. This task runs the conditional execution of different tasks based on the various batch control flags set in the application.

This task runs the following activities in this order:

- Run Batch Calc: Set Batch Specific Flags
- If Enable Weekly Exports is set to true: Set Export Flags and Export all Plan Versions
- If Enable RMF CS Integration is set to true:
 - If no PDS and no BDI (Flat file integration): Transform RMS Files
 - If PDS and no BDI: Load Dimension Data into PDS
 - Load Hierarchies
 - If no PDS and no BDI (Flat file integration): Load RMF CS Interface Files
 - If PDS and no BDI: Load Fact Data into PDS
 - Load non-RMF CS Interface Files
 - Run Batch Calc: Batch Agg for RMF CS data
 - Run Batch Calc: Transform RMF Warehouse Data
- If Enable RMF CS Integration is set to false:
 - If PDS is not enabled: Load Dimension Data
 - Load Hierarchies
 - If PDS is enabled: Load Actuals
 - If PDS is enabled: Load non-RMF CS Interface Files
 - If PDS is enabled: Batch Agg for PDS Loaded Data
- Run Batch Calc: Weekly Batch Calc
- Run Batch Calc: Generate Forecast
- Refresh All Workbooks
- Rebuild Dashboard

Transform RMS Files (batch_rms_xform)

This task is used to transform all hierarchy and data files from RMF CS to the MFP required format. This task transforms the RMF CS hierarchy and data files and also creates rms_hier.zip and rms_data.zip and copies them to the SFTP outgoing path. This task is mainly for creating the initial set of transformed RMF CS hierarchy files to build a new domain with the RMF CS hierarchy files using Self Service. The user does not need to use this task if there is no RMF CS integration.

This task runs the following activities in this order:

- Transform RMF CS Calendar Hierarchy File
- Transform RMF CS Product Hierarchy File

- Transform RMF CS Location Hierarchy File
- Transform RMF CS Currency Hierarchy File
- Transform RMF CS Inventory File
- Transform RMF CS On Order File
- Transform RMF CS Tran Data File
- Transform RMF CS Currency Conversion Rate File
- Transform RMF CS Location File

Transform RMS Warehouse Data (batch_rms_wh)

This task is used to transform the loaded RMF CS warehouse inventory, receipts, and on-order data to the mapped MFP Channels. It also spreads those warehouse metrics to stores within those channels, to be used in the Location Plan. It actually creates an internal export of loaded warehouse inventory, receipts, and on-order data, transforms warehouse to channels and reloads, and then runs the batch aggregates. This task runs as part of the regular Weekly Batch with RMF CS Integration enabled. The user needs to schedule this only if the user changes the Warehouse-Channel Mapping in the middle of week and would like to reallocate the Warehouse Inventory to the newly mapped Channels for all history in the middle of the week. The user does not need to use this task if there is no RMF CS integration.

This task runs the following activities in this order:

- Run Batch Calc - Initialize RMF CS Warehouse Data for Export
- Exports RMF CS Warehouse Inventory Data
- Transform RMF CS Warehouse Inventory with MFP Channel
- Exports RMF CS Warehouse On Order Data
- Transform RMF CS Warehouse On Order with MFP Channel
- Exports RMF CS Warehouse Receipt Data
- Transform RMF CS Warehouse Receipt with MFP Channel
- Load RMF CS Warehouse data to MFP Channel
- Run Batch Calc - Weekly Batch Calc

Export All Approved Plans (export_all)

This task is used to export all submitted and approved plan versions (all non-working plan versions). This task first runs the export set flag task and then exports all the plan versions. This task also runs as part of the daily or weekly batch, so the user needs to run this task only if they need to re-export all plan data on an on-need basis. The exported data is used in reports, customer's data marts, and query programs.

Following is the list of export plan versions that are exported for both MFP Retail Cloud Service and MFP Cost Cloud Service:

- Merch Plan - Current Plan
- Merch Plan - Original Plan
- Merch Plan - Submitted Plan
- Merch Target - Target Plan
- Location Plan - Current Plan

- Location Plan - Original Plan
- Location Target - Target Plan

For details on the versions for export, the list of measures exported in each file, and the file name and format details, see the *Oracle Retail Merchandise Financial Planning Cloud Service Implementation Guide*.

Export All Working Plans (export_wp)

This task is used to export all the working plan versions. This task first runs the export set flags task and then exports all working plan versions. This task only needs to be run if the user wants an export of all working plan versions for any reporting needs.

Following is the list of export plan versions that are exported for both MFP Retail Cloud Service and MFP Cost Cloud Service:

- Merch Plan - Working Plan
- Merch Target - Working Plan
- Location Plan - Working Plan
- Location Target - Working Plan

For details on the versions for export, the list of measures exported in each file, and the file name and format details, see the *Oracle Retail Merchandise Financial Planning Cloud Service Implementation Guide*.

Exports to Retail Insights (export_ri)

This task is used to export all approved Merch Plans for the planned periods to Oracle Retail Insights (RI) Cloud Service Suite. This can only be scheduled if the retailer has Oracle Retail Insights (RI).

Following is the list of export plan versions that are exported for both MFP Retail Cloud Service and MFP Cost Cloud Service:

- Merch Plan - Current Plan
- Merch Plan - Original Plan

For details about integration with RI, the list of measures exported in each file, and the file name and format details, see the *Oracle Retail Merchandise Financial Planning Cloud Service Implementation Guide*.

Exports to Shared Services (export_ss)

This export set is used to export all approved Merch Plans and Location Plans for the planned periods to Assortment & Item Planning Cloud Service. It exports the required measures and copies the file to the common cloud service application share location RGBU_CLOUD_DATA. Assortment & Item Planning Cloud Service can access the file from that location.

For details about integration with RI, the list of measures exported in each file, and the file name and format details, see the *Oracle Retail Merchandise Financial Planning Cloud Service Implementation Guide*.

Post Build Batch (postbuild)

This task is available as an option to be called as part of the initial domain build, to load and process all loaded initial data after the initial domain build. If not called during the domain build time, this task can be run after the domain build using this OAT task.

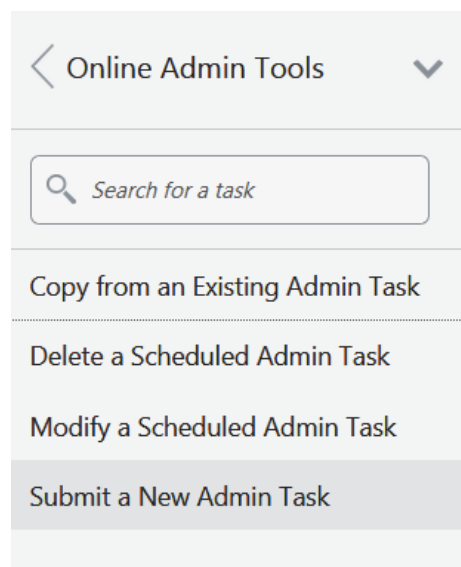
Scheduling Configured Batch Administration Tasks

This section walks through an example of the process for scheduling and monitoring the Configured Batch Administration task named Run Batch Measure Export Group. The steps for scheduling all other tasks are similar, and most of the tasks do not have additional input parameters specific to that task. For more details about scheduling and monitoring online administration tasks, see the *Oracle Retail Predictive Application Server Cloud Edition Administration Guide*.

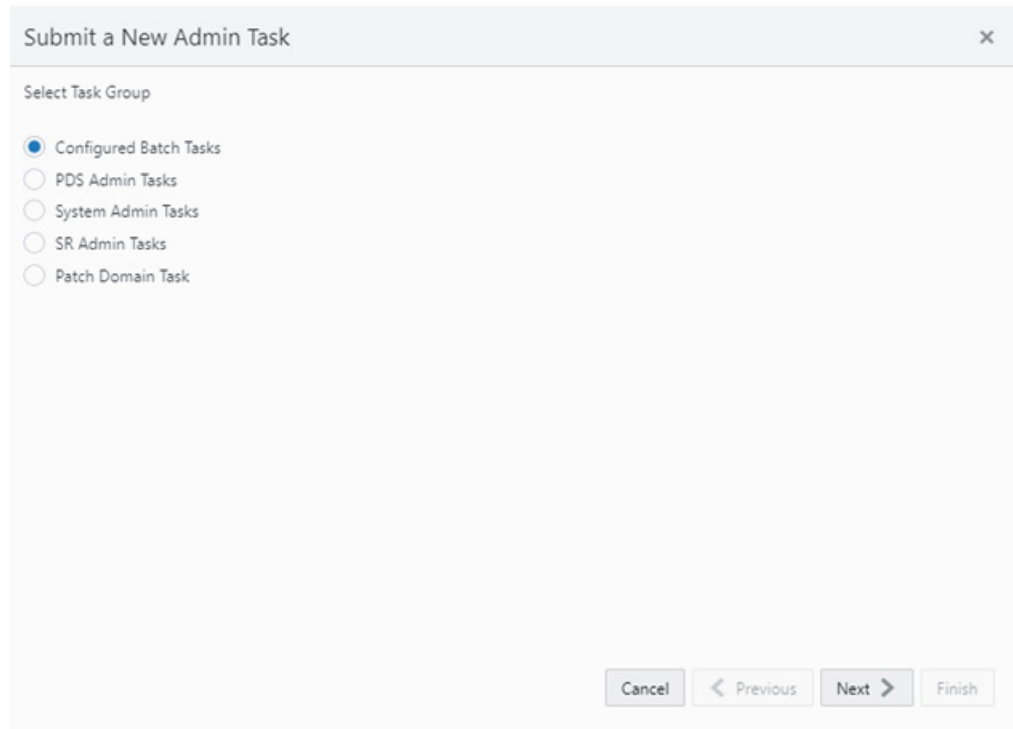
To schedule and monitor a Configured Batch Administration task:

1. Log in to the MFP Retail Cloud Service (mfprcs) or MFP Cost Cloud Service (mfpcs) application as an Administration user.
2. In the Tasks list, select Admin Tasks for MFP CS Retail/Cost Customer Domain and then select Online Admin Tools. Click **Submit a New Admin Task**.

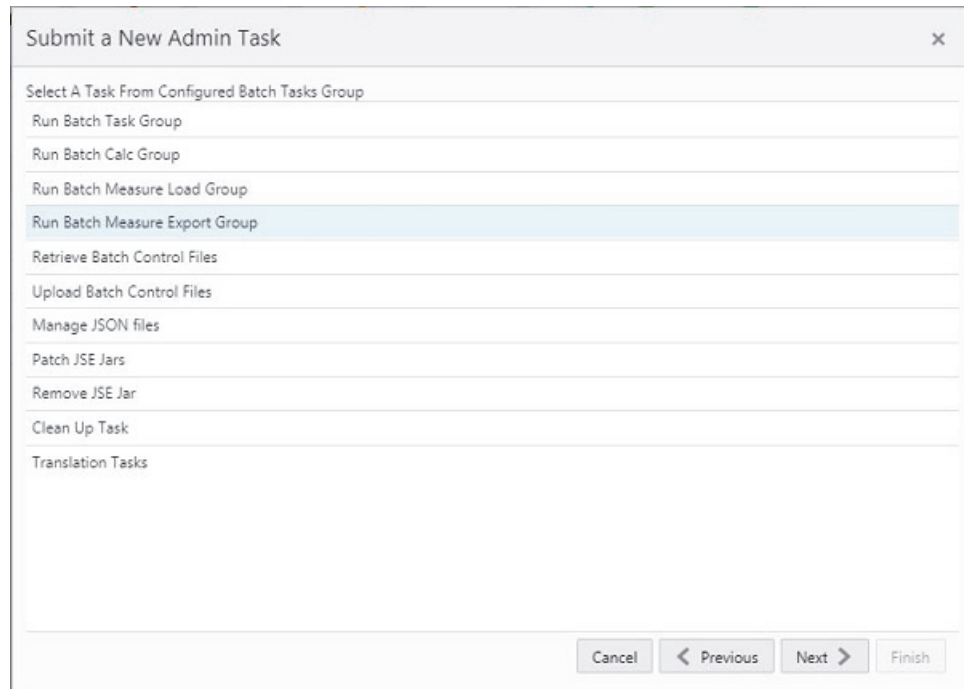
Figure 1–1 Administration Tasks



3. Select the Configured Batch Tasks for Task Group and click **Next**.

Figure 1–2 Select Task Group Window

4. In the task list, select Run Measure Export Group and click **Next**.

Figure 1–3 Select Task Workbook Wizard Window

5. Enter the Task Label. This task has an additional parameter to choose the export measure group. In following figure, as an example, Merch Plan - Current Plan is selected. Click **Next**.

Figure 1–4 Select Export Measure Group

Submit a New Admin Task

Specify the arguments for task:

Task Label
Exporting Data

Batch Export Measure Group
Merch Plan - Current Plan

Log level

Cancel < Previous Next > Finish

- To schedule the task to run immediately, select **Run ASAP** and click **Next**. To run on a particular date and time, set that information, select Run on a Schedule (One time / Hourly / Daily / Weekly / Monthly). Provide the Server Start / Stop Date/Time and click **Next**.

Figure 1–5 Schedule Task Workbook Wizard Window

Submit a New Admin Task

Schedule Task

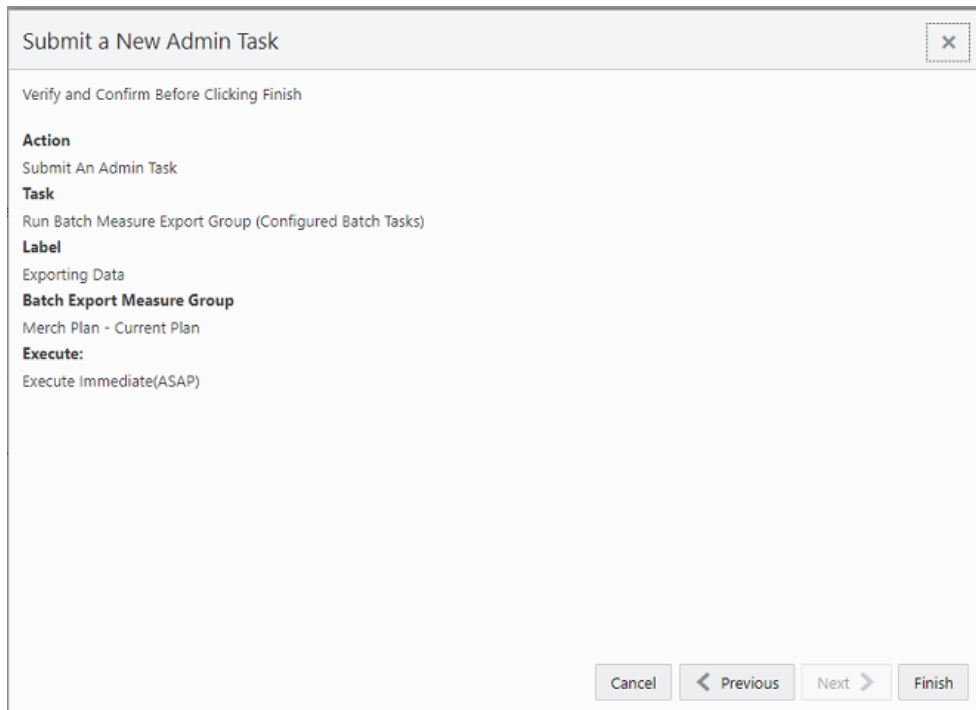
Run ASAP
 Run on a schedule
 One time

Server Start Date/Time:
12/27/18 12:32 AM

Cancel < Previous Next > Finish

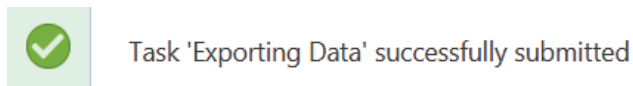
- In the Confirm Action window, review the task scheduling details. To confirm the scheduling and submit the task, click **Finish**.

Figure 1–6 Confirm Action Window



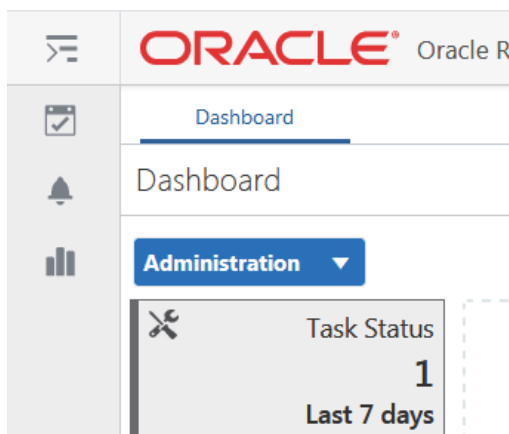
The task submitted confirmation message appears.

Figure 1–7 Task Submitted Confirmation Message



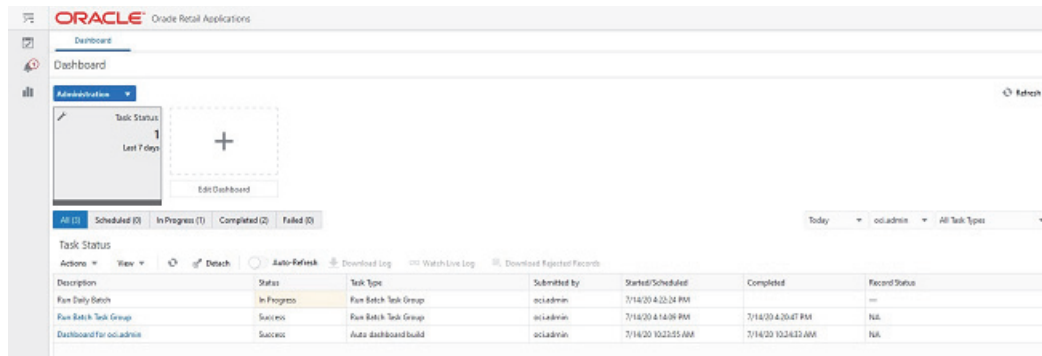
- To check the status of all submitted tasks in the Dashboard, click **Dashboard** and select **Administration** from the list of Dashboard Profiles in the dropdown.

Figure 1–8 Location of Administration Dashboard Selection



At the bottom of the dashboard, it contains the lists of tasks submitted and their status.

Figure 1–9 List of Submitted Tasks



The Status column shows whether a job has completed successfully, failed, or is pending (Scheduled). For any completed (Success/Failed) tasks, click the job name to view the subtask details if any for that job. To view the log, select the task and click **Download Log**. For failed tasks, the logs show the error details.

Following is an example of a log showing an error:

```
Service 'loadHier' failed with return code 2
03:13:24 : INFORMATION : eebatch_loadhier.ksh[116] - _call of command 'rpsace_run loadHier
-d /u07/projects/mfp/domains/mfprcs -load clnd -checkParents -purgeAge 14 -purgeBackups
-forceInputRollups -forceNAConsistency -maxProcesses 8 -loglevel all' complete
03:13:24 : ERROR : eebatch_loadhier.ksh[122] - Error Result from loadHier call.
03:13:24 : INFORMATION : eebatch_loadhier.ksh[122] - Exiting script with code: 102
03:13:24 : INFORMATION : eebatch_loadhier.ksh[1] - NO_EXIT_STATEMENT
```

Following is an example of a log showing the cause of an error:

```
<E 2018Apr23 03:13:14.426> loadHier (clnd) failed on domain: mfprcs
<E 2018Apr23 03:13:14.426> ReindexDomain must be run first to prepend CLND Dimensions.
<E 2018Apr23 03:13:14.426> Syntax: reindexDomain -d <domainPath> -hier CLND -prepend
<E 2018Apr23 03:13:14.426> LoadHier must be run again after reindexing the domain.
```

Note: The detailed log file can be found in the SFTP sever. The log file names are first appended with the text success/failure (with error code) along with the process name and control file entry set names and the time stamp for easy identification. For example:

- success.eebatch_calc.exp_set.20190614124917.tar.gz
- failure.13.eebatch_exec.setup.20190614043009.tar.gz

Modify Configured Batch Tasks

Due to a business requirement, the Administrator may need to modify a scheduled batch task. The Modify an Admin task capability of RPAS provides the Administrator the tool to handle this kind of situation.

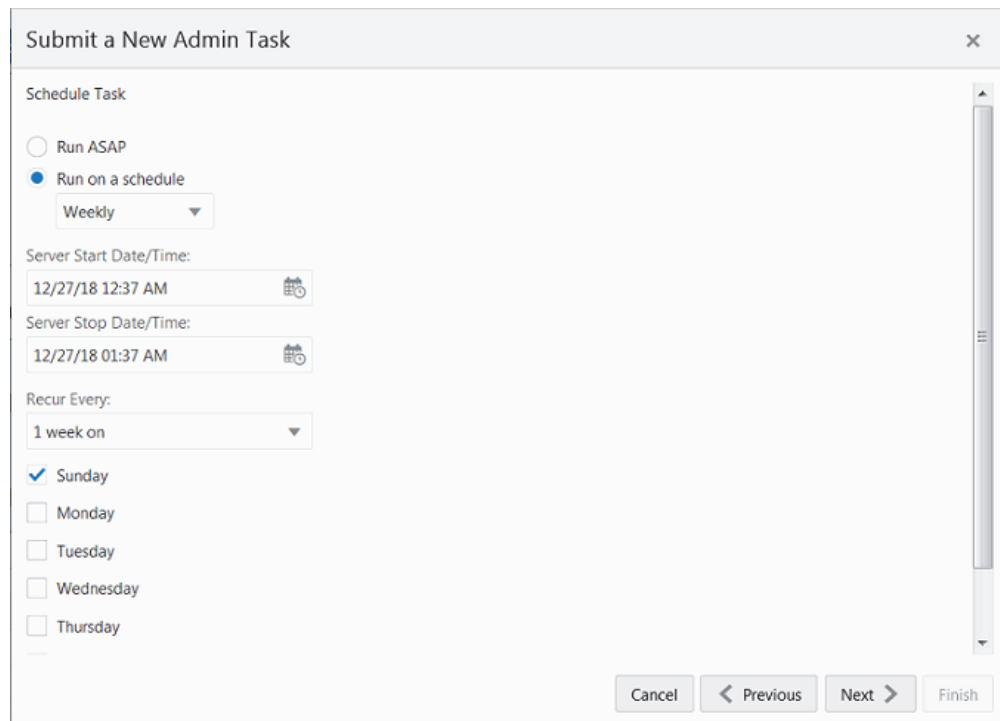
For example, an Online Administration Tool task is currently scheduled for weekly once on Sunday, but due to a business constraint, the Administrator needs to run the specific task on Saturday instead of Sunday for a week. The Administrator can achieve the goal using the Modify an Admin task.

The alternate way of handling with any change in a scheduled task is by copying the scheduled task, changing the start date, and then deleting the original scheduled task.

The Administrator submits any configured Batch Task scheduled weekly on Sunday. The following steps walk you through the process of changing the schedule of any scheduled batch using Online Administration Tools:

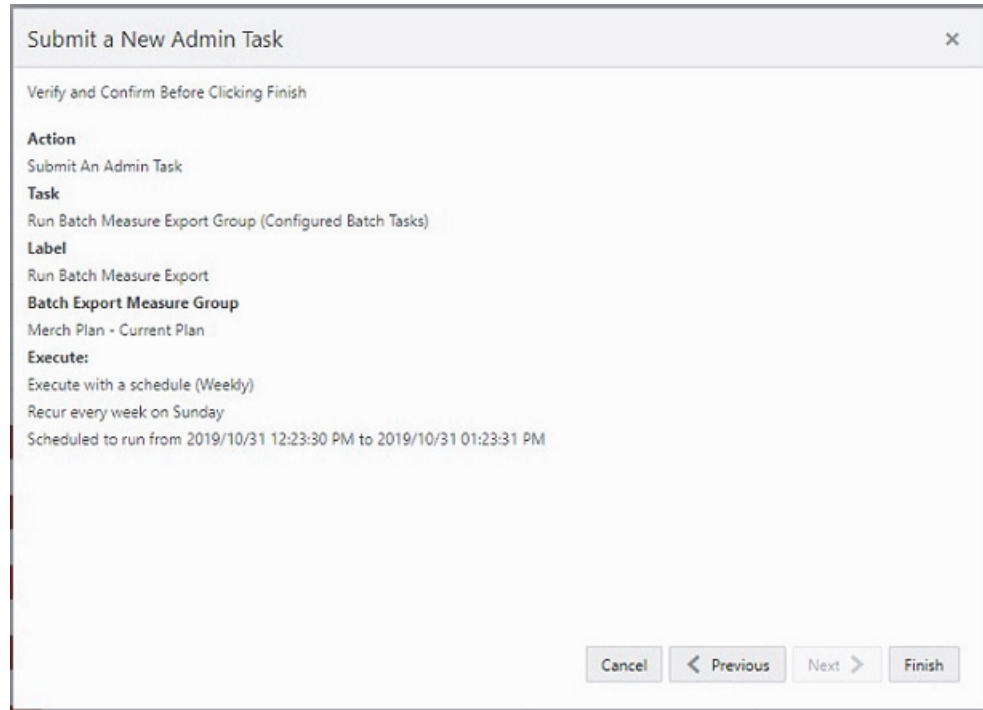
1. Set up the Run Batch Task Group.

Figure 1–10 Schedule Task Window



2. Review the selected setup.

Figure 1–11 Confirm Action Window



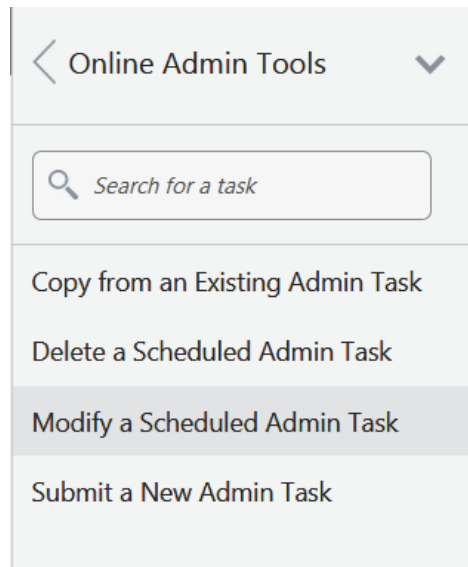
3. View the submitted task on the dashboard.

Figure 1–12 View of Submitted Task



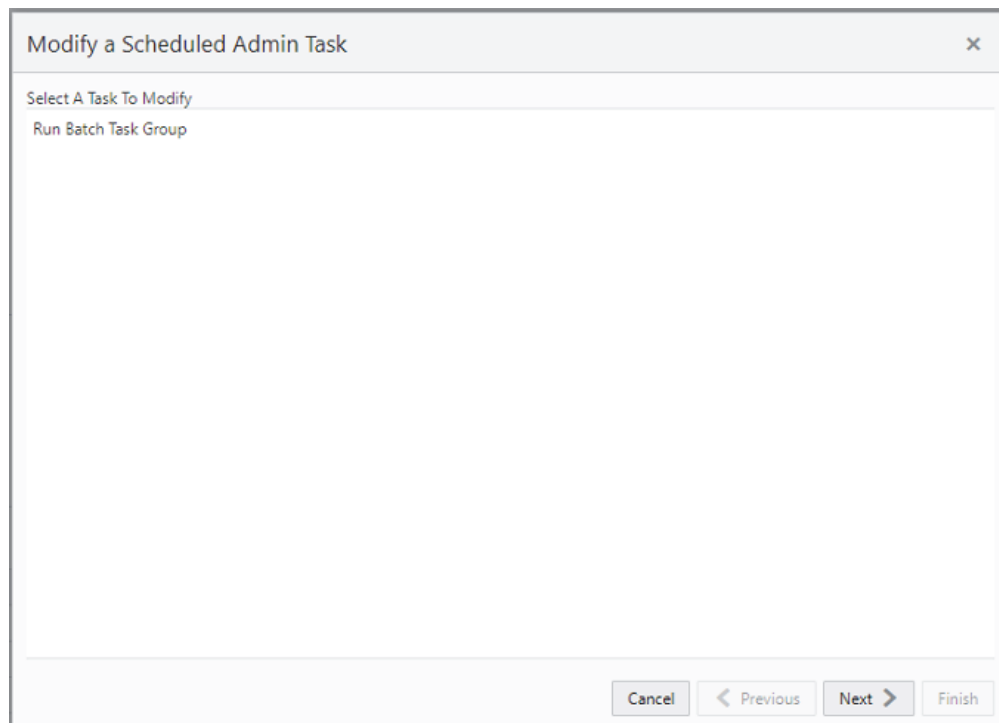
4. Modify the task to run on Saturday rather than Sunday.

Figure 1–13 Admin Tasks



5. Select the task to modify.

Figure 1–14 *Modify an Admin Task*



6. Verify the details. Enter the new parameters for modification.

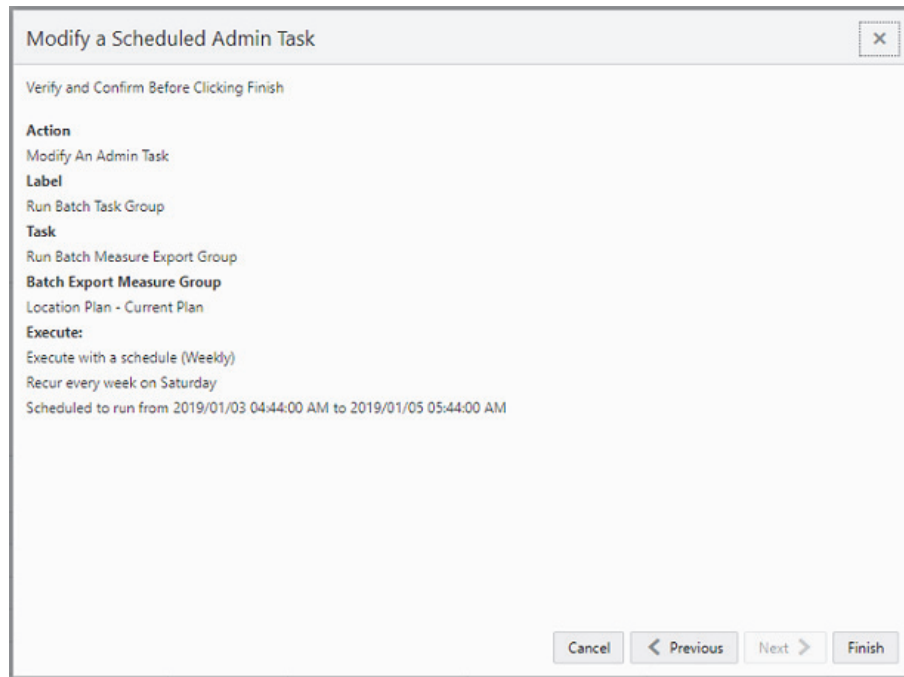
Figure 1–15 Modify an Admin Task

The figure consists of two screenshots of a dialog box titled "Modify a Scheduled Admin Task".

The top screenshot shows the "Specify the arguments for task" section. It includes a "Task Label" text box containing "Run Batch Task Group" and a "Batch Export Measure Group" dropdown menu set to "Location Plan - Current Plan". At the bottom right are buttons for "Cancel", "< Previous", "Next >", and "Finish".

The bottom screenshot shows the scheduling options. It has two radio buttons: "Run ASAP" (unselected) and "Run on a schedule" (selected). Below "Run on a schedule" is a "Weekly" dropdown menu. There are two date/time pickers: "Server Start Date/Time" set to "01/06/19 04:44 AM" and "Server Stop Date/Time" set to "01/05/19 05:44 AM". Below these is a "Recur Every:" dropdown set to "1 week on". A list of days follows: Sunday, Monday, Tuesday, Wednesday, Thursday, Friday, and Saturday. The "Saturday" checkbox is checked. At the bottom right are buttons for "Cancel", "< Previous", "Next >", and "Finish".

7. Submit the modified task.

Figure 1–16 Confirm Action Window

Dashboard

The Dashboard provides pre-configured dashboard profiles to the user once logged into the application. There are six profiles pre-configured for MFP CS:

1. Administration - task status
2. MFP: In-Season
3. MFP: Pre-Season
4. MT: Exceptions
5. MP: Exceptions
6. LP: Exceptions

For more information about the usage of Dashboards in MFP CS, see the *Oracle Retail Merchandise Financial Planning Cost Cloud Service User Guide* and *Oracle Retail Merchandise Financial Planning Retail Cloud Service User Guide*.

The dashboard pulls the data from an admin workbook built from the Online Administration Tool. In order to view the dashboard, an Administrator must schedule the dashboard builds from the System Admin Tasks.

Figure 1–17 Schedule Dashboard Build Task

Submit a New Admin Task

Select A Task From System Admin Tasks Group

- Load hierarchy Data
- Load Measure Data
- Manage Dimensions
- Manage Hierarchies
- Manage Informal Positions
- Manage Users
- Manage Workspaces
- Measure Information
- Optimize Domain
- Purge tasks from online admin dashboard
- Reindex Domain
- Rename Positions
- Scan Domain
- Schedule Dashboard Build**
- Segment/Workspace Batch Operation
- View and Manage Domain Properties

Cancel < Previous Next > Finish

Figure 1–18 Specify Arguments for Schedule Dashboard Build Task

Submit a New Admin Task

Specify the arguments for task:

Task Label

Override RPAS_TODAY? Uncheck to default system setting

Range dimension
 Year

Pre-Season Range
 1

Post-Season Range
 1

Delete and Recreate Dashboard Segment? (Warning : Use this option only if dashboard template styles are patched. Dashboard will loose all user formatting if we delete and recreate segment.)

For
 All users
 Group
 Administrator

Cancel < Previous Next > Finish

- Task Label - Enter the name of the build task to review the status of build.
- Select Override RPAS_TODAY - Check box and then select a date, if you need to build the dashboard as of a day other than the current date.

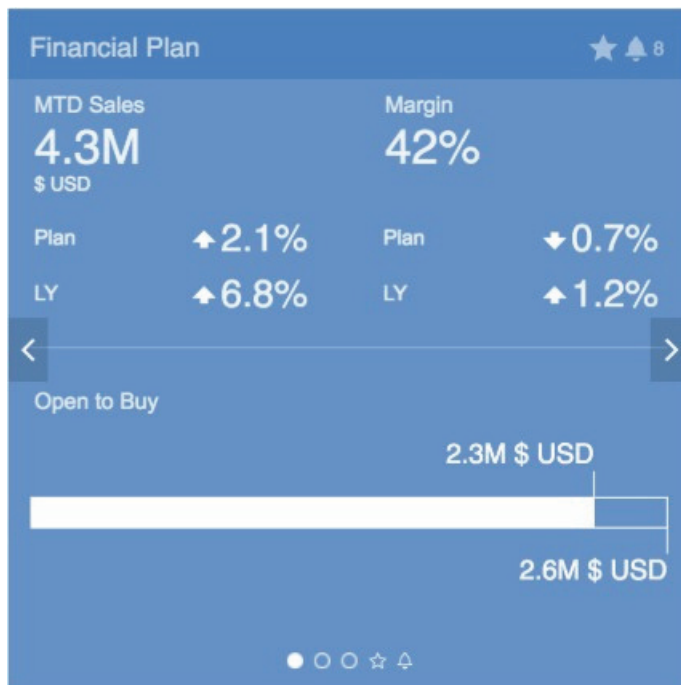
- Range dimension - Calendar dimension against which the dashboard will be pre-ranged.
- Pre-Season Range - Number of periods of the Range dimension that need to be included before the Current period Range. Current Period Range will be always included.
- Post-Season Range - Number of periods of the Range dimension that need to be included after RPAS_TODAY.
- Select Delete and Recreate Dashboard Segment check box, only if there are any changes to the dashboard template selection after patching.
- Users - Select All Users, Group, or Users that can access that dashboard.

Note: For the pre-configured GA dashboard profiles, the preferred selections for Range dimension: Half, Pre-Season Range: 1, and Post-Season Range: 1.

Retail Home

If Retail Home is configured, it provides a dashboard view of key configured metrics as tiles across multiple applications in the enterprise. MFP CS has the following tile views configured for Retail Home. The metrics are configured in the same dashboard templates, so the regular dashboard segment first should be built first, in order to see the tiles from Retail Home. Retail Home uses a different set of JSON files to get the data from the dashboard segments into these tiles. In this release, it is only available for non-Enterprise Edition implementations.

Figure 1–19 MFP CS Tile View for Retail Home

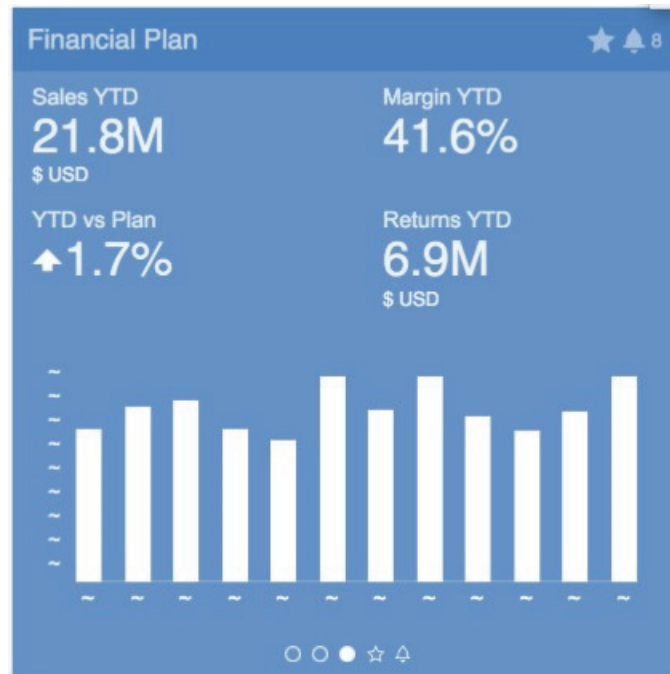


Metrics shown in the above figure:

- Month-to-Date Sales (MTD)

- MTD Sales to Plan (OP)
- MTD Sales variance to LY
- MTD Margin %
- MTD Margin variance to Plan (OP)
- MTD Margin variance to LY
- Open to Buy bullet chart: total is Open to Buy + Net On Order

Figure 1–20 MFP CS Tile View for Retail Home



Metrics shown in the above figure:

- Year-to-Date Sales (YTD)
- YTD Margin %
- YTD Sales variance to Plan (OP)
- YTD Returns
- Line Chart: YTD Sales variance to Plan with X-axis as Month

Batch File Uploads/Downloads

The following sections describe the file upload/download process. For the batches that load data, the Administrator needs to upload the relevant files which load the data to the SFTP server before running the batch. After running any export task, the exported files can be found in the export location of the SFTP server.

For details regarding file contents and formatting of the upload and download files, see the *Oracle Retail Merchandise Financial Planning Cloud Service Implementation Guide*.

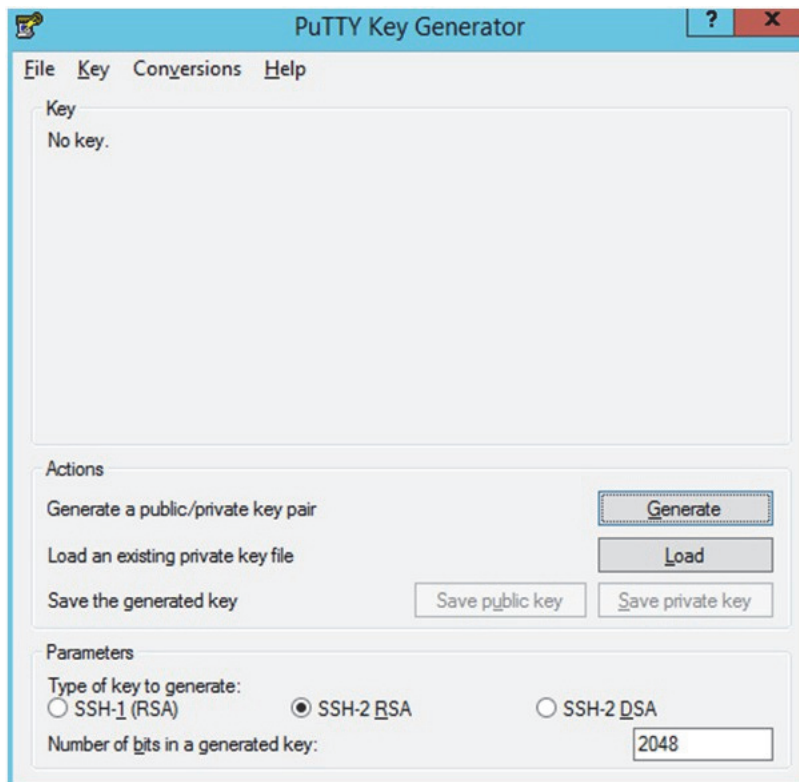
Adding Authorized Keys

This section describes the process to generate a 2048 bit RSA key and add the same to the SFTP server. This is done with the help of the WinSCP tool on Windows. However, the same can be done using ssh-keygen on Linux as well.

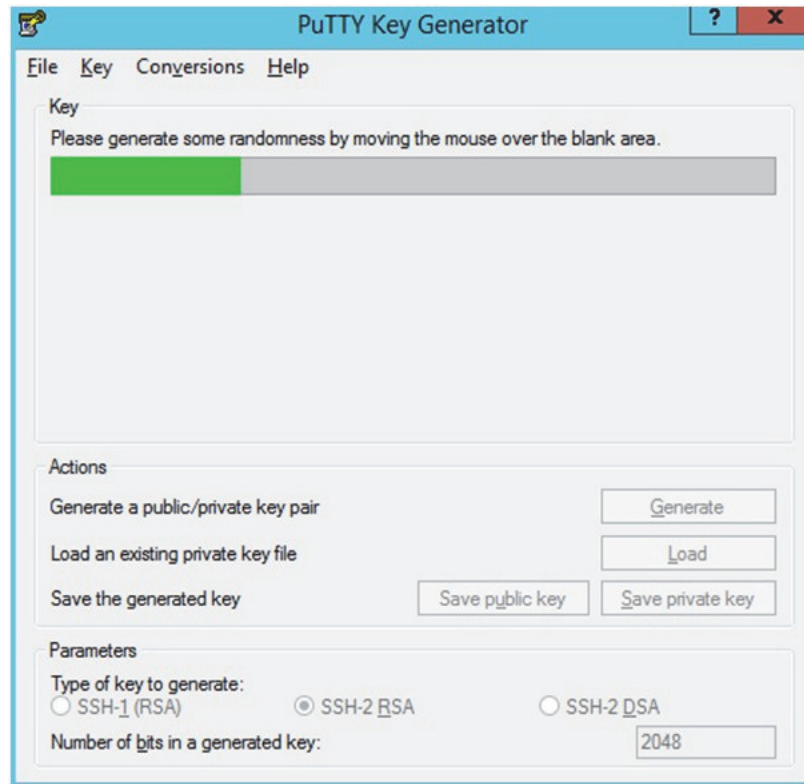
Prerequisites:

- The WinSCP tool must be installed before performing the following process.
 - The Private/Public keys must be generated and the Public key must be associated with your SFTP Account for the file upload/Download.
1. Launch WinSCP and select Tools > Run PuttyGen.
 2. Select SSH-2 RSA for the type of key to generate and enter 2048 for the number of bits in a generated key field. Click **Generate**.

Figure 1–21 Key Generator



3. Move the mouse over the blank space in the window until the key is generated. Moving the mouse over the blank space creates a random pattern which is used for key generation.

Figure 1–22 Key Generator Progress

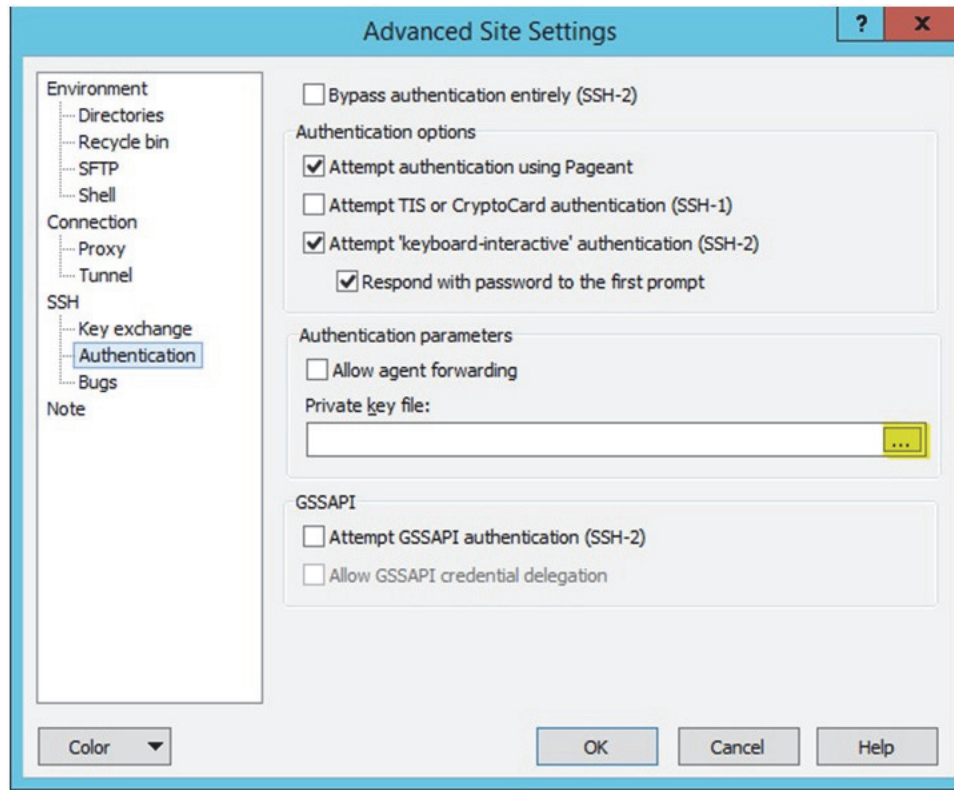
4. Once the key is generated, click **Save public key** to save the public key to a file.
5. Click **Save private key** to save the private key to a file. Confirm to save it with or without a passphrase.
6. Open an SR with Oracle Support, to associate the public key with your SFTP account (attach the key with the SR).

Logging In to WinSCP

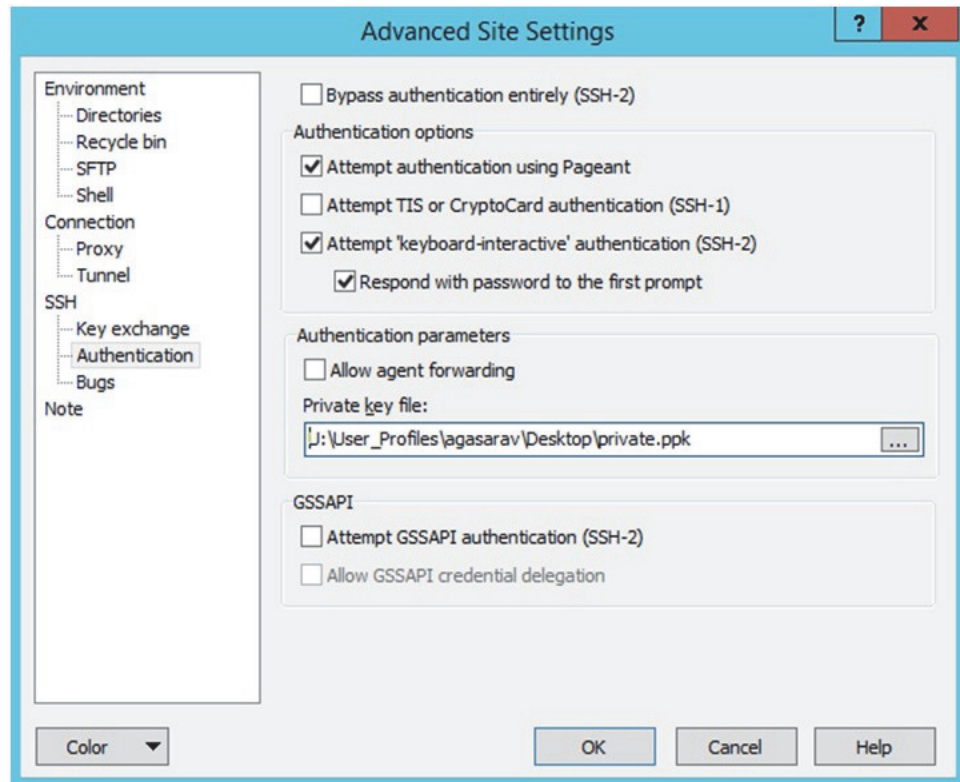
The upload steps use the private key generated in the [Adding Authorized Keys](#) section.

1. Launch WinSCP and connect to <SFTP Server> using port 22.
2. Enter the user name and click **Advanced**.
3. Click **Authentication**.
4. In the Private Key File field, click **Browse** and select the private key created in the [Adding Authorized Keys](#) section.

Figure 1-23 Advanced Site Settings Dialog



5. After loading the private key file, click **OK**.

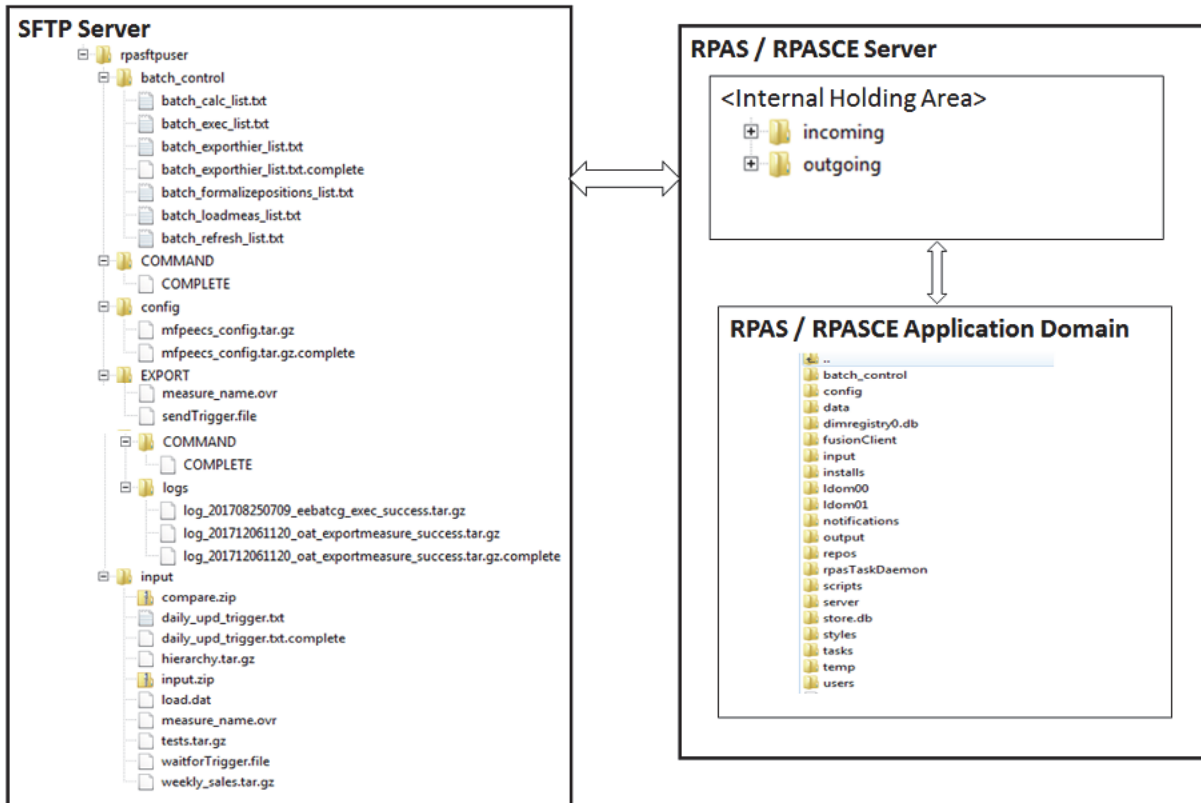
Figure 1–24 Private Key File Loaded

6. Click **Login**. The window does not prompt for a password and logs in to the SFTP server. Provide a passphrase if one has been set up.

Uploading the Batch File

The following diagram provides an overview of the FTP/internal holding area/domain and how the files move.

Figure 1–25 File Movement Between Internal Holding Area and Domain



The following steps walk you through the process to upload batch (data/Hierarchy) file. For information about the administration tasks that require uploading batch files, see "[Application-Specific Batch Tasks](#)."

For information about the file contents of various exports and formatting, see the information on data load in the *Oracle Retail Merchandise Financial Planning Cloud Service Implementation Guide*.

To upload the batch file:

1. Log in to WinSCP. Follow the steps in "[Logging In to WinSCP](#)."
2. Transfer all the data files to the directory /<SFTP User>.
3. Create a directory named COMMAND under /<SFTP User> if it does not already exist.
4. Change to the /<SFTP User>/COMMAND directory.
5. Transfer an empty file named COMPLETE.
6. Run the required batch/task from the Online Administration Tools.

File Downloads

The following steps walk you through the process of accessing download files. For information about the administration tasks that create different exports from the applications, see "[Application-Specific Batch Tasks](#)."

For information about the file contents of various exports and formatting, see the information on exports in the *Oracle Retail Merchandise Financial Planning Cloud Service Implementation Guide*.

To download files:

1. Log in to WinSCP. Follow the steps in "[Logging In to WinSCP](#)."
2. Change the directory to /<SFTP User>/EXPORT or /<SFTP User>/Export/logs (for log files).
3. Create a directory named COMMAND under /<SFTP User>/EXPORT if it does not already exist.
4. Change to the /<SFTP User>/EXPORT/COMMAND directory.
5. Transfer an empty file named COMPLETE.
6. Run the required batch/task from the Online Administration Tools.
7. Download all the data files. The log files are in tar.gz format.

Note: The log file names are appended with the success/failure text in it along with the time stamp for easy identification.

For example:

success.<process_name>.<set_name>.<timestamp>.tar.gz and
failure.<error_code>.<process_name>.<set_name>.<timestamp>.
tar.gz

Install/Patch Domain

This chapter describes the process to install or patch a domain.

Self Service - Installing the MFP Cloud Service Application from the Bootstrap Domain

This section describes the process of installing MFP Cloud Service from the bootstrap domain with retailer data and generated configuration for the plug-in options. Once RPAS CE and MFP Cloud Service are installed in the Oracle Cloud environment, the Administrator will have the option to overwrite and install the domain with GA data or with retailer data. The Administrator also has the option to generate the configuration for different plug-in options.

Bootstrap Environment

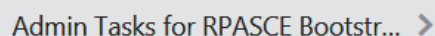
A newly provisioned MFP CS environment is set up with a bootstrap configuration that allows the Administrator to log and access the Online Administration Tools (OAT) interface before the domain has been built. The bootstrap OAT configuration allows only tasks required to construct a domain. Once the domain has been constructed, the domain task and the bootstrap activities both will be available. This allows the domain to be rebuilt from scratch multiple times if needed.

Installation from the Bootstrap Domain

The following steps take you through the process of building a customer domain for MFP Cloud Service using the bootstrap domain:

1. After installing MFP Retail Cloud Service or MFP Cost Cloud Service, log in to the bootstrap domain as an Administration user.
2. In the Tasks list, select Admin Tasks for RPASCE Bootstrap and then Online Admin Tools. Click **Submit a New Admin Task**.

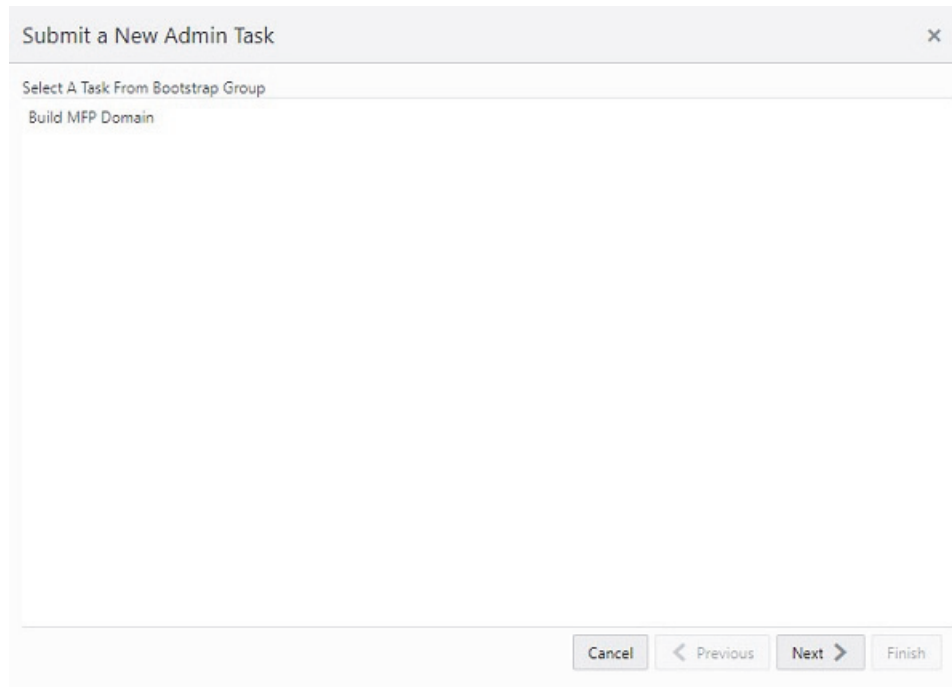
Figure 2-1 Admin Tasks for RPASCE Bootstrap Task



Admin Tasks for RPASCE Bootstr... >

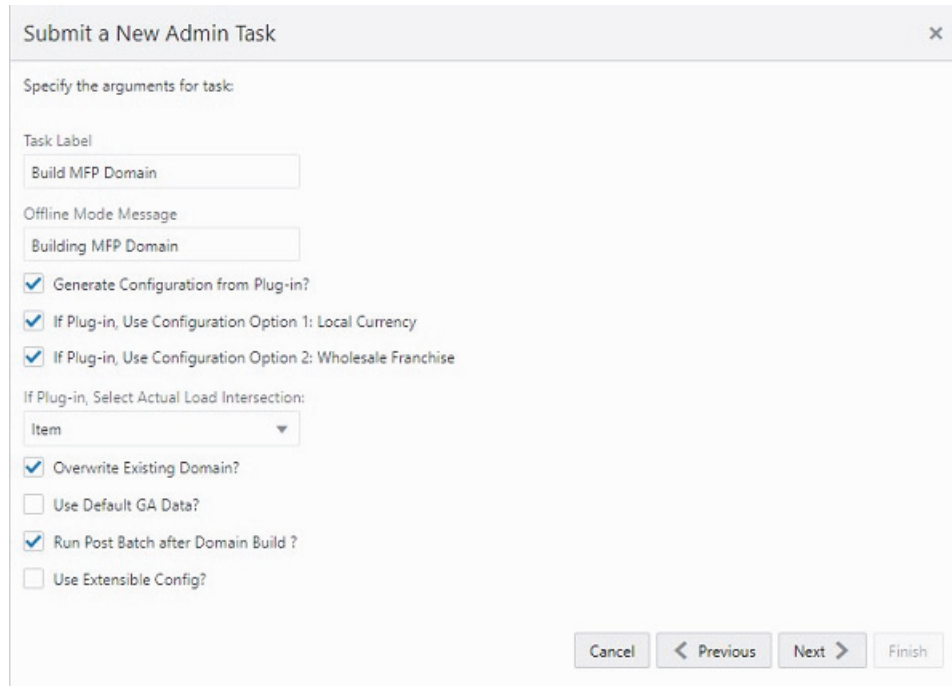
3. Select the Build MFP Domain task and click **Next**.

Figure 2–2 Select Build MFP Cloud Service Domain Task



4. Set the arguments for the task:

Figure 2–3 Select Build MFP Cloud Service Domain Task Arguments



- a. Enter the Task Label and an Offline Mode Message.
- b. To generate a configuration from the plug-in, check the Generate Configuration from the Plug-in checkbox and then select the plug-in option to use. In the above figure, the Configuration Options Local Currency and

Wholesale Franchise are selected and Actual Load Intersection is selected as Item.

For information on plug-in choices and details, see the *Oracle Retail Merchandise Financial Planning Cloud Service Implementation Guide*.

- c. If the domain was already created and needs to be overwritten, select Overwrite Existing Domain.
 - d. If Use Default GA Data is not selected, the customer input hierarchy and data files should have already been uploaded. If the sample GA Data needs to be used, select this Boolean.
 - e. Select Run Post Batch after the Doman Build option, if the initial batch process needs to run after the domain build. This is optional and can be run from the Online Administration Tools as a batch task after building the domain.
 - f. If Use Extensible Config? is selected, the customer should upload the extensible configuration, created from the GA configuration as <app_name>_config.tar.gz to the FTP config directory. The customer can also upload the corresponding input files as <app_name>_input.tar.gz to the FTP input directory and upload the custom batch control files as batch_control_cust.tar.gz to the FTP batch_control directory. The process will first validate if the uploaded extensible custom configuration and batch files are valid; only if it is valid, will the domain be built. If the customer uses the Extensible Config option, there is no need to choose any plug-in option as it will use the plug-in options used by uploaded extensible configuration.
 - g. After choosing all the necessary options, click **Next**.
5. Select the time to schedule the task and click **Next**. Click Run ASAP if the Administrator wants to run the task now or the task can be scheduled by selecting the Run on a Schedule option.

Figure 2–4 Schedule Task

Submit a New Admin Task

Schedule Task

Run ASAP
 Run on a schedule

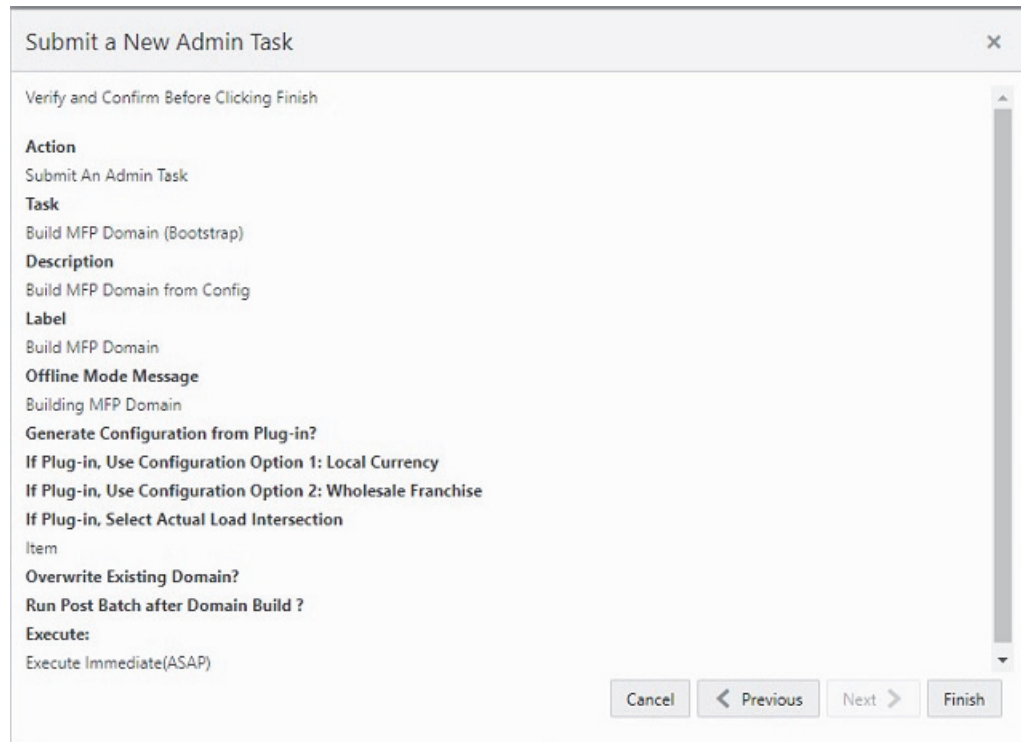
One time

Server Start Date/Time:
12/27/18 12:53 AM

Cancel Previous Next Finish

- Review the selections and click **Finish**.

Figure 2–5 Verify and Confirm Selections



- After submitting, review the status of that task in the dashboard similar to any other standard administration tasks.
- After the task is successfully completed, log out and log in to the application to view the additional tasks specific to the newly built domain.

Note: Users will not be allowed in the application while building and patching the domain.

Self Service - Patching the MFP Cloud Service Application

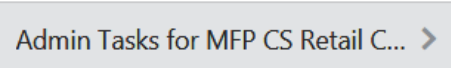
This section describes the process of patching the MFP Cloud Service application using the Online Administration Tools. Once the RPAS CE and MFP Cloud Service upgrade patches are installed in the Oracle Cloud environment, the MFP application will be patched by default with the latest configuration with the last used plug-in options or use the last used extensible configuration, if it was uploaded by customer. However, if the customer wants to reapply the patch with changes to the plug-in option or use an updated extensible configuration, the customer can use this task. Before scheduling this task, the Administrator should ensure that no users are logged in to the application while patching the solution.

The following steps walk you through the process to patch the MFP Cloud Service application as an Administration user:

- After installing MFP Retail Cloud Service or MFP Cost Cloud Service, log in to the application as an Administration user.

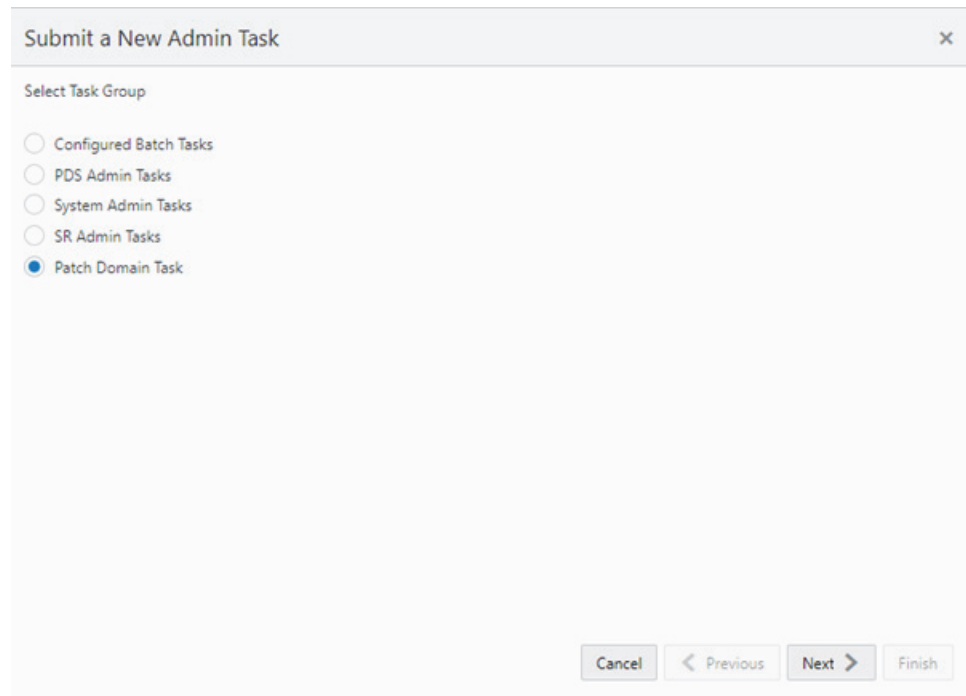
2. In the Tasks list, select Admin Tasks for MFP CS Retail CS for MFP Retail (or MFP CS Cost CS for MFP Cost) and then Online Admin Tools. Click **Submit a New Admin Task**.

Figure 2–6 Admin Tasks for MFP CS Retail Task



3. Select Patch Domain Task and then click **Next**.

Figure 2–7 Select Patch Domain Task



4. Set the arguments for the task:

Figure 2–8 Select Patch MFP Cloud Service Domain Task Arguments

Submit a New Admin Task

Specify the arguments for task:

Task Label
Patch MFP Domain

Offline Mode Message

Generate Configuration from Plug-in?

If Plug-in, Use Configuration Option 1: Local Currency

If Plug-in, Use Configuration Option 2: Wholesale Franchise

If Plug-in, Select Actual Load Intersection:
Item

Use Extensible Config?

Do Not Update Styles?

Cancel < Previous Next > Finish

- a. Enter the Task Label and Offline Mode Message.
- b. To generate a configuration from a Plug-in, check the Generate Configuration from Plug-in checkbox and then select the plug-in option to use. In the above figure, the Configuration Option Wholesale Franchise is selected and Actual Load Intersection is selected as Item.

For information on plug-in choices and details, see the *Oracle Retail Merchandise Financial Planning Cloud Service Implementation Guide*.

- c. If Use Extensible Config? is selected, the customer should upload the extensible configuration, created from the GA configuration as `<app_name>_config.tar.gz` to the FTP config directory. The customer can also upload the corresponding input files as `<app_name>_input.tar.gz` to the FTP input directory and upload the custom batch control files as `batch_control_cust.tar.gz` to the FTP batch_control directory. The process will first validate if the uploaded extensible custom configuration is valid; only if it is valid, will the domain be built. If the customer uses the Extensible Config option, there is no need to choose any plug-in option as it will use the plug-in options used by uploaded extensible configuration.
 - d. If Do Not Update Styles? is selected, the patching process will not update the styles. The preferred option is to always update styles during patching. The customer can use this if they want to override that default option.
 - e. After choosing all the necessary options, click **Next**.
5. Select the time to schedule the task and click **Next**. Click Run ASAP if the administrator wants to run the task now or the task can be scheduled by selecting the Run on a Schedule option.

Figure 2–9 Schedule Task

The screenshot shows a dialog box titled "Submit a New Admin Task" with a close button (X) in the top right corner. The main content area is titled "Schedule Task". It contains two radio button options: "Run ASAP" (which is selected) and "Run on a schedule". Below the "Run on a schedule" option is a dropdown menu currently set to "One time". Underneath is a text field labeled "Server Start Date/Time:" containing the date and time "12/27/18 12:57 AM" and a calendar icon. At the bottom right of the dialog are four buttons: "Cancel", "< Previous", "Next >", and "Finish".

6. Review the selections and click **Finish**.

Figure 2–10 Verify and Confirm Selections

The screenshot shows the same dialog box, but now in the "Verify and Confirm Before Clicking Finish" step. The title bar remains "Submit a New Admin Task". The main content area lists the following details:

- Action:** Submit An Admin Task
- Task:** Patch MFP Domain (Patch Domain Task)
- Description:** Patch MFP Domain
- Label:** Patch MFP Domain
- Generate Configuration from Plug-in?** If Plug-in, Use Configuration Option 2: Wholesale Franchise
- If Plug-in, Select Actual Load Intersection:** Item
- Execute:** Execute Immediate(ASAP)

At the bottom right, the same four buttons are present: "Cancel", "< Previous", "Next >", and "Finish".

7. After submitting, review the status of that task in the dashboard similar to any other standard administration tasks.

User and Role Maintenance

This chapter describes the process for managing users and roles. The Administrator can create users and assign the level of access as needed. This chapter describes how to create/modify/delete a user and assign roles to a user.

Your Merchandise Financial Planning Cloud Service is configured with Oracle Cloud Infrastructure Identity and Access Management (OCI IAM) or Oracle Identity Cloud Service (IDCS) for managing users and access.

In order to provide application access to end users, the Cloud Service Administrator needs to create the user's account from OCI IAM or IDCS. For OCI IAM user setup, follow the steps in "[OCI IAM User Creation](#)." For IDCS user setup, follow the steps in "[IDCS User Creation](#)." The user must also be assigned to a group in OCI IAM or IDCS.

To complete the user provisioning activity, the same user must be added in the Merchandise Financial Planning Cloud Service application and assigned to the same user group.

MFP Cloud Service is built with role-based access. Permissions are associated with roles. All roles, including for authorization and application administration, are described in the *Oracle Retail Identity Management for OCI IAM Startup Guide*.

The Administrator can assign the roles to the user. Follow the steps in "[Managing Users in OCI IAM](#)" or "[Managing Users in IDCS](#)."

For detailed information on the tasks related to user and role, see the following sections:

- [User Maintenance through OCI IAM:](#)
 - [OCI IAM User Creation](#)
 - [Managing Users in OCI IAM](#)
- [User Maintenance through IDCS:](#)
 - [IDCS User Creation](#)
 - [Managing Users in IDCS](#)
- [Bulk Loading of User and User Groups](#)

For Enterprise Edition Cloud Service provisions, the customer needs to define required roles as needed for their configuration using OCI IAM or IDCS. For more details about Atomic User Management (AUM), additional roles available, and access to security details, see the *Oracle Retail Predictive Application Server and Applications Cloud Edition Security Guide*.

User Maintenance through OCI IAM

This section describes how to maintain users through Oracle Cloud Infrastructure Identity and Access Management (OCI IAM).

OCI IAM User Creation

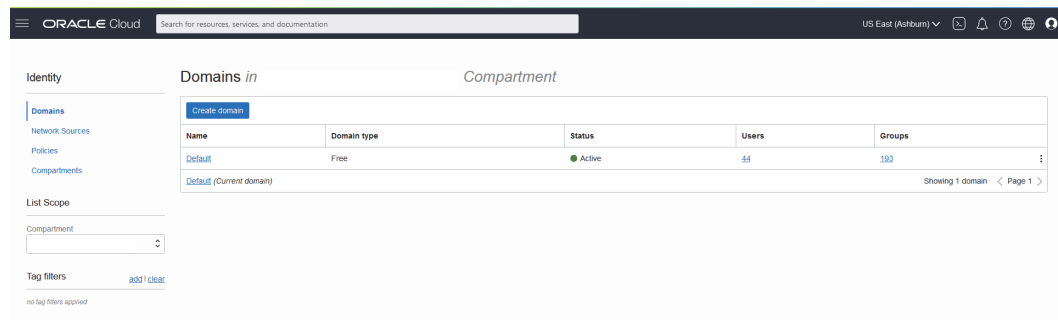
Before users can access the Oracle Retail Merchandise Financial Planning Cloud Service applications, it is necessary to provision access to the system for each user and to assign roles to each user to control what functionality will be available to the user. The access provisioning can be done using OCI IAM. After creation of the user in OCI IAM, the Administrator needs to create the same user with the same user group (that is, the role in OCI IAM) in the Oracle Retail Merchandise Financial Planning Cloud Service application.

Note: The OCI IAM Application URL and login with the required administrator access are needed to perform the following steps. The welcome email sent by Oracle includes the URL.

The following steps explain how to define users and assign roles for a new user:

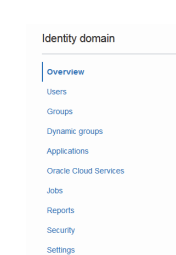
1. Log in to the OCI IAM application. The Domains view is shown by default.

Figure 3–1 OCI IAM Domains



2. Click the Domain name for which you want to create a user. The Domain Overview page appears.
3. From the Domains Overview page, click Users.

Figure 3–2 Domains Overview Menu



4. From the Domain Users page, click Create User. The Create User page appears.

Figure 3–3 Create User

Create user

First name Optional

Last name

Username / Email

Use the email address as the username

Groups Optional

Select groups to assign this user to.

Search

<input type="checkbox"/> Name	Description
<input type="checkbox"/> DATA_SCIENCE_ORCL_ADMIN_JOB_PSEPRDQ	Data Science Cloud Administration permission for Retailer using Innovation Workbench using APEX Workspace
<input type="checkbox"/> RETAIL_ASYNC_TASK_JOB_PSEPRDQ	A systemic role for executing async jobs
<input type="checkbox"/> FORECAST_ANALYST_JOB	Reviews and approves forecasts on a day to day basis. An advanced forecast analyst may also be responsible for forecast parameter maintenance and demand modeling activities
<input type="checkbox"/> PRICING_MANAGER_JOB	The Pricing Manager typically works as part of the buying group for one or more departments. Besides all of the typical management duties involved with having direct reports the Pricing Manager has the responsibility of making sure the company objectives are reflected in the pricing policies implemented by the Pricing Analyst.

Create Cancel

5. Provide the First Name, Last Name, and unique user name. If the option “Use the email address as the user name” is checked, the system automatically takes the email address as the user name.

Note: Oracle recommends using the email address as the user name.

6. Assign the user to a group. Typically, this will be the group specific to the provisioned service or application. The user can be assigned to more than one user group, but it is recommended to assign one group to one user.
For example, you could assign the user being created to the MFP_BUYERS role.
7. Click **Create** to complete the user creation in OCI IAM.
8. To complete the user setup, the same user must be created in the Merchandise Financial Planning Cloud Service application. To add the user to the Merchandise Financial Planning Cloud Service application, follow the steps in ["Adding a User to the MFP CS Application."](#)

Adding a User Group

User groups provide an intermediate level of security to workbooks that were created and saved by specific users. When new users are assigned to the system, they must be assigned to existing user groups. User groups should consist of individuals with similar job functions or responsibilities. In the Oracle Retail Predictive Planning Suite, the user group corresponds to the user's planning role.

To add a user group:

1. Under User Administration, click **Add User Group**. A Workbook Wizard window appears.
2. In the Workbook Wizard window, enter the relevant information into the following fields:
 - In the Group Name field, enter a name for the group.

Note: Each group name must begin with a letter and contain only alphanumeric characters and underscores. It cannot have spaces. User group names are case sensitive.

- In the Group Label field, enter a descriptive label for the group. This label is displayed when referring to the group throughout RPAS CE.
- 3. Click **Finish** to add the user group to the database.

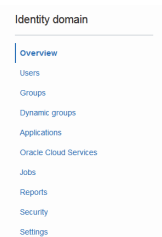
Managing Users in OCI IAM

After users are created in OCI IAM, the Administrator can manage user information, manage user groups assigned to users, delete or revoke user access, and reset a password.

The following steps explain how to manage users in OCI IAM:

1. Log in to the OCI IAM application. The Domains view is shown by default.
2. Click the Domain name for which you want to create a user. The Domain Overview page appears.
3. From the Domains Overview page, click Users.

Figure 3–4 Domains Overview Menu



4. Click the user that you want to edit.
5. You can update the additional information for the selected user. Once updated, click **Update User** to confirm the changes.
6. You can manage the user groups assigned to users in the Groups table.

Assign a New Group

- a. In the Groups table, click **Assign user to groups**.
- b. From the Assign user to group dialog, select the group or groups to add the user.
- c. Click **Assign user**.

Remove a Group

- a. In the Groups table, select the group from which you want to remove the user.
- b. Click **Remove user from group**.

Note: The same user also needs to be deleted from the Merchandise Financial Planning Cloud Service application. This will keep OCI IAM and the application synchronized. Complete the user deletion by following the steps for deleting a user in the User Maintenance chapter of the *Oracle Retail Predictive Application Server Cloud Edition Administration Guide*.

7. A user can be deactivated by selecting **Deactivate** from the More Actions menu and then confirming the selection in the confirmation dialog.
8. A user can be asked to reset their password by selecting **Reset Password** and then confirming the selection in the confirmation dialog. The associated user will get an email with a link to reset the password.

User Maintenance through IDCS

This section describes how to maintain users through Oracle Identity Cloud Service (IDCS).

IDCS User Creation

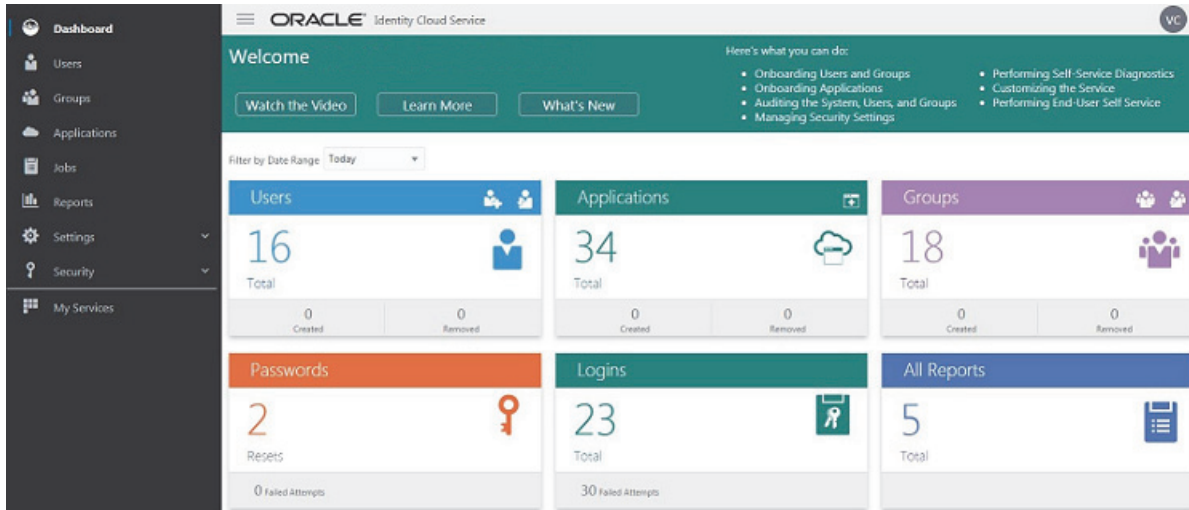
Before users can access the Oracle Retail Merchandise Financial Planning Cloud Service applications, it is necessary to provision access to the system for each user and to assign roles to each user to control what functionality will be available to the user. The access provisioning can be done using IDCS. After creation of the user in IDCS, the Administrator needs to create the same user with the same user group (that is, the role in IDCS) in the Oracle Retail Merchandise Financial Planning Cloud Service application.

Note: The IDCS Application URL and login with the required administrator access are needed to perform the following steps. The welcome email sent by Oracle includes the URL.

The following steps explain how to define users and assign roles for a new user:

1. Log in to the IDCS application. The dashboard view is shown by default.

Figure 3–5 IDCS Dashboard



2. Click the Add a user icon.

Figure 3–6 Add User Icon



3. Provide the First Name, Last Name, and unique user name. If the option "Use the email address as the user name" is checked, the system automatically takes the email address as the user name.

Note: Oracle recommends using the email address as the user name.

Figure 3–7 IDCS Add User Details Window

Add User

Step 1: Add User Details

The user name will be used to log in, and the email address will be flagged as the primary email address for the user.

* First Name

* Last Name

* User Name / Email

Use the email address as the user name

Next Finish

- Assign the user to a group. Typically, this will be the group specific to the provisioned service or application. The user can be assigned to more than one user group, but it is recommended to assign one group to one user.

For example, you could assign the user being created to the MFP_BUYERS role.

Figure 3–8 IDCS Assign User to Groups Window

Add User

Step 2: Assign User to Groups (Optional)

Select All

	Name	Description
<input type="checkbox"/>	adminusers	
<input type="checkbox"/>	Buyers	
<input type="checkbox"/>	edgeadminusers	
<input type="checkbox"/>	edgeusers	

- Click **Finish** to complete the user creation in IDCS.
- To complete the user setup, the same user must be created in the Merchandise Financial Planning Cloud Service application. To add the user to the Merchandise Financial Planning Cloud Service application, follow the steps in ["Adding a User to the MFP CS Application."](#)

Adding a User Group

User groups provide an intermediate level of security to workbooks that were created and saved by specific users. When new users are assigned to the system, they must be assigned to existing user groups. User groups should consist of individuals with similar job functions or responsibilities. In the Oracle Retail Predictive Planning Suite, the user group corresponds to the user's planning role.

To add a user group:

1. Under User Administration, click **Add User Group**. A Workbook Wizard window appears.
2. In the Workbook Wizard window, enter the relevant information into the following fields:
 - In the Group Name field, enter a name for the group.

Note: Each group name must begin with a letter and contain only alphanumeric characters and underscores. It cannot have spaces. User group names are case sensitive.

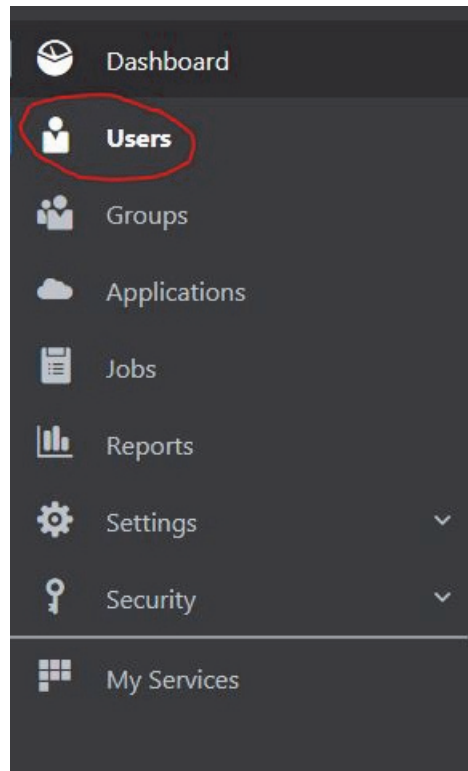
- In the Group Label field, enter a descriptive label for the group. This label is displayed when referring to the group throughout RPAS CE.
3. Click **Finish** to add the user group to the database.

Managing Users in IDCS

After users are created in IDCS, the Administrator can manage user information, manage user groups assigned to users, delete or revoke user access, and reset a password.

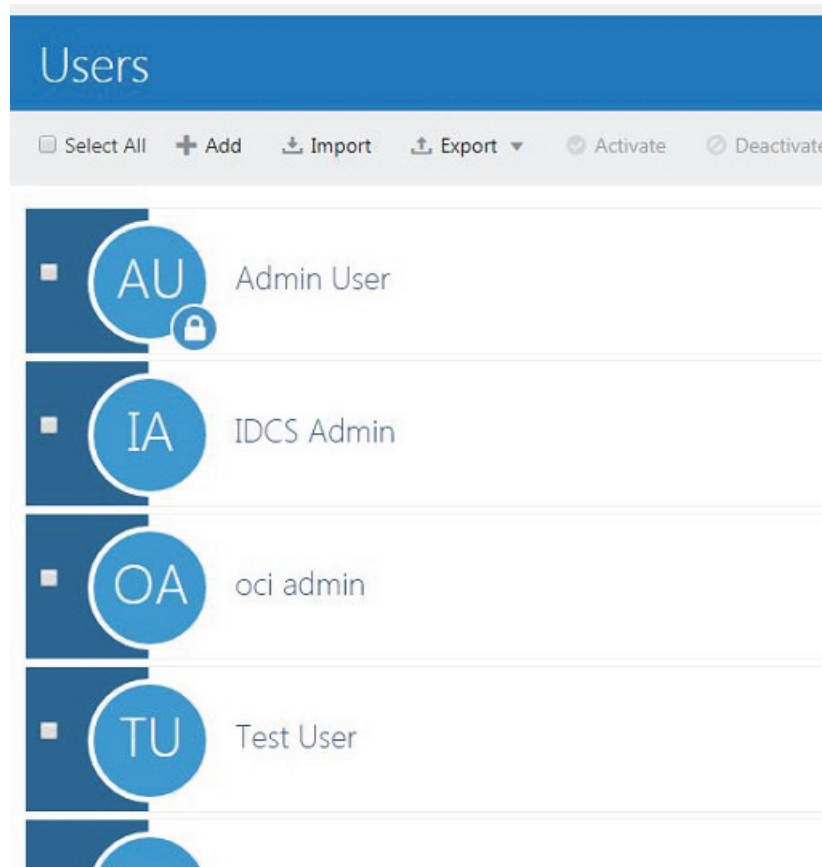
The following steps explain how to manage users in IDCS:

1. Log in to the IDCS application. The dashboard view is shown by default.
2. Select Users from the menu. The list of users in the system is displayed.

Figure 3–9 IDCS Dashboard Menu

3. Click the user that you want to edit.

Figure 3–10 IDCS List of Users



4. You can update the additional information for the selected user. Once updated, click **Update User** to confirm the changes.

Figure 3–11 IDCS Account Information Window

The screenshot shows the Oracle Identity Cloud Service (IDCS) interface for managing a user. The user's status is 'Active'. The user's name is 'Test User' and their email is 'test_user@xxx.com'. The interface is divided into two main sections: 'Account Information' and 'Work Information'.

Account Information:

- User Name: test_user
- Prefix: (empty)
- First Name: Test
- Middle Name: (empty)
- Last Name: User
- Suffix: (empty)
- Email: test_user@xxx.com
- Recovery Email: test_user@xxx.com
- Instant Messaging Address: (empty)
- Home Phone Number: (empty)
- Mobile Phone Number: (empty)
- Federated: No
- Authenticated By: Oracle Identity Cloud Service

Work Information:

- Title: (empty)
- Street Address: (empty)
- City: (empty)
- Postal Code: (empty)
- Country: (empty)
- Time Zone: (empty)
- Preferred Language: (empty)
- Work Phone Number: (empty)

Buttons for 'Reset Password', 'Deactivate', 'Remove', and 'More' are visible in the top right. An 'Update User' button is located in the top right of the 'Account Information' section.

5. You can manage the user groups assigned to users by selecting the Groups tab in the top menu and selecting the + Assign option to update user groups as shown in the following figure.

Figure 3–12 IDCS Assign User to Groups

The screenshot shows the Oracle Identity Cloud Service (IDCS) interface for managing a user's groups. The user's status is 'Active'. The user's name is 'Test User' and their email is 'test_user@xxx.com'. The interface is divided into two main sections: 'Account Information' and 'Work Information'.

Groups Tab:

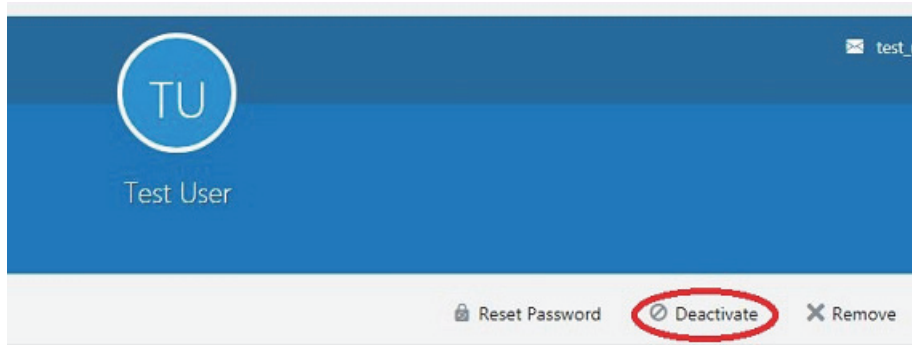
- Search: (empty)
- Select All
- + Assign
- X Revoke
- Assign groups to a user.

Groups List:

- AD adminusers
- ED edgeadminusers

6. A user can be deactivated by selecting **Deactivate** and then confirming the selection in the confirmation dialog.

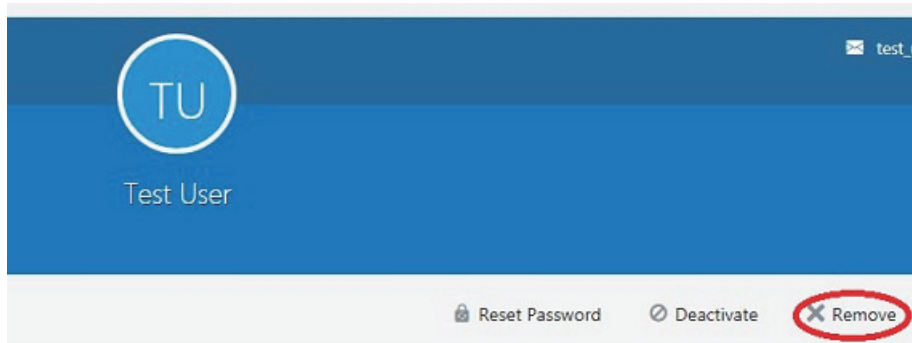
Figure 3–13 IDCS Deactivate User



7. A user can be deleted by selecting **Remove** and then confirming the selection in the confirmation dialog.

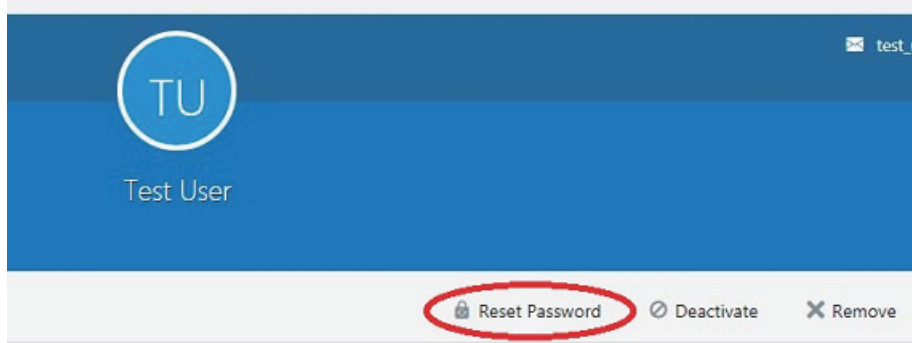
The same user also needs to be deleted from the Merchandise Financial Planning Cloud Service application. This will keep IDCS and the application synchronized. Complete the user deletion by following the steps for deleting a user in the User Maintenance chapter of the *Oracle Retail Predictive Application Server Cloud Edition Administration Guide*.

Figure 3–14 IDCS Remove User



8. A user can be asked to reset their password by selecting **Reset Password** and then confirming the selection in the confirmation dialog. The associated user will get email with a link to reset the password.

Figure 3–15 IDCS Reset Password

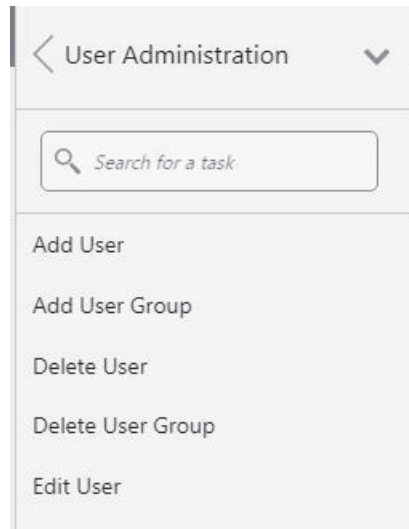


Adding a User to the MFP CS Application

To add a user to the MFP CS application:

1. Under User Administration, click **Add User**. A Workbook Wizard window appears.

Figure 3–16 User Administration



2. In the Workbook Wizard window, enter the relevant information in the following fields:

Figure 3–17 Add User Details

 A screenshot of the 'Add User' form. The form has a title bar 'Add User'. It contains several input fields: 'User name:' (text box), 'User label:' (text box), 'Default group:' (dropdown menu with 'Admin' selected), and 'Other groups:' (text box with 'Admin' entered). At the bottom, there are three checkboxes: 'Administrator:', 'Lock user account:', and 'Inherit Group Default Rights:'.

- **User name:** Enter the user name that the user uses for logging in. This user name should be the same as the user name created in OCI IAM or IDCS.

- **User label:** Enter a label that describes the user (for example, the user's full name). This identifying label appears in various locations throughout the application.
- **Default group:** Select the user group to which the user belongs. The group selected for the user should be same as the role selected for the same user in OCI IAM or IDCS.

For example, you could assign the user being created to the MFP_BUYERS role.

- **Other groups:** If a user belongs to more than one group, select the additional groups from the list in the Other groups field.

Note: Passwords are not used by the RPAS CE Client. The password is defined and managed by your external authentication provider.

3. If the user requires Administration status, check the Administrator box. To make the user an Administrator, it is mandatory to check this check box.

Note: Administrative users have special privileges and the read-only status may not apply to them.

If you are not sure whether a user should be granted this ability, you can modify the Administration status later in the Security Administration workbook.

Note: Granting users Administration status gives them access to all workbook templates, but it does not automatically give them access to all workbooks.

4. Select the Lock user account check box to temporarily disable the user's account.
5. Select the Inherit group default rights check box so that the user can inherit the default rights set for the user group through the Group Workbook Template Default Rights and Group Measure Default Rights worksheets. If the Inherit group default rights option is not selected and the Administrator check box is not selected, then the user is assigned Denied access rights to all templates and measures. If the Inherit group default rights option is not selected but the Administrator check box is selected, then the user is assigned Full Access rights to all templates and Read/Write rights to all measures.
6. Click **Finish** to add the new user to the database.

Workbook template and measure access rights can now be assigned to the user. To do this, access the Security Administration workbook. For more information, see the Accessing Security Administration section in the *Oracle Retail Predictive Application Server Cloud Edition Administration Guide*.

Bulk Loading of User and User Groups

The Administrator can bulk import user and user groups using comma-separated-values (CSV) files. For information on the bulk import of user and user groups from OCI IAM or IDCS, see the documentation at the following links:

<https://docs.oracle.com/en-us/iaas/Content/Identity/home.htm>
<https://cloud.oracle.com/identity/documentation>.

Hierarchy Maintenance

Hierarchy management in MFP Cloud Service can be primarily classified into two features provided by the RPASCE Platform:

- Hierarchy Maintenance
- Hierarchy Loading

Hierarchy Maintenance

The MFP Cloud Service Administrator can utilize the RPASCE capability to maintain user-named and user-defined dimensions within hierarchies. Per the business needs, the Administrator can create custom-made dimensions from Hierarchy Maintenance.

To illustrate the concept with an example, suppose the different classes of product by default hierarchy belong to different departments. By using the default hierarchy, the Administrator does not have the option to group different classes from different departments to put together into one logical grouping. Hierarchy Maintenance provides that power to the Administrator to put different classes into class groups (for example: A,B,C). This flexible grouping of classes can make it easier for the user to view information such as planning, replenishment, or measure analysis reports.

The Administrator needs to remember that any hierarchy in RPASCE can have user-defined dimensions within it as long as they are set up by the Administrator's company at the time of installation. The examples in this section refer to the product hierarchy, but other hierarchies can be maintained in the same way.

For detailed steps and a description for Hierarchy Maintenance, see the information on the Hierarchy Maintenance workbook in the *Oracle Retail Predictive Application Server Cloud Edition Administration Guide*.

Hierarchy Loading

Loading of hierarchy position is one of the important regular tasks performed by the Administrator. Loading and refreshing of the hierarchy are made simple by the default RPAS OAT task Load Hierarchy Data (loadHier). The primary function of this task is to add, remove, and reclassify positions in the hierarchy. The loadHier task also supports the purging of data in parallel while loading new positions.

To manage the addition, removal, and reclassification of positions in a hierarchy, RPASCE uses a methodology called integer indexing. It is used to manage multidimensional data at the storage level. The loadHier task also provides a simple compression method that can skip duplicated values.

RPASCE supports loading of the hierarchy by multiple input files. The Administrator must load the extra input files along with the main input file.

The Load Hierarchy Data (loadHier) task supports comma-separated values (CSV) or fixed width flat files for loading. The load file requires a .dat file extension for flat files and a .csv.dat file extension for a CSV file.

The detailed steps and description for hierarchy loading are documented in the *Oracle Retail Predictive Application Server Cloud Edition Administration Guide*.

Monitor Domain Performance

The MFP Cloud Service Administrator can use various tools provided by RPASCE OAT tasks to monitor domain performance. While the environment is live, RPASCE OAT tasks provide the Administrator great flexibility to control the domain from the MFP Cloud Service application front end.

The major tasks which can be useful for the Administrator in day to day activity to check on the domain are described in this chapter.

This chapter provides the name and overview about the tasks which are useful for monitoring/optimizing domain performance. The detailed steps and descriptions for the tasks are documented in the *Oracle Retail Predictive Application Server Cloud Edition Administration Guide*.

System Administration tasks:

- **Optimize Domain:** Optimize domain to improve performance and free up space.
- **Reindex Domain:** The Reindex Domain task is used to compress, increase, or decrease the set of physical address spaces (or indexes) of the multidimensional arrays.
- **Scan Domain:** The Scan Domain utility is a domain utility used for detecting data loss and repairing data corruption in an RPASCE database.
- **Fix Domain:** The Fix Domain utility is to detect different types of corruption that occur within a domain.

Additional System Administration task that can be helpful in gathering domain information:

- **Domain Information:** Provides miscellaneous details about a domain.

Service Request Administration tasks:

- **Start Oracle OS Performance Profiling:** Start the Oracle OS Performance Profiling to gather OS metrics for performance analysis.
- **Stop Oracle OS Performance Profiling:** Stop the running of the Oracle OS Performance Profiling.

Configured Batch task:

- **Clean up Task:** This task is provided to clean up the processed files or unprocessed files from different cloud service locations to be run by the retailer on an on-need basis.

Optimize Domain

The Optimize Domain utility is used to improve performance and minimize the space required by the domain data.

Because the RPASCE Btree dimension arrays undergo continuous updates and changes as a result of adding and deleting existing positions, over time, measure arrays become full of stale data. This stale data is created when positions are deleted, but the associated index remains. This results in wasted space and inefficient operations. The measure arrays containing any data for these positions must be updated to reflect these deletions. Deleting positions marks the hierarchy data for the corresponding dimensions as changed, but it does not clean up the associated data from the measure arrays. The Optimize Domain utility cleans this stale data from the measure arrays. For details about the Optimize Domain online administration tasks, see the *Oracle Retail Predictive Application Server Cloud Edition Administration Guide*.

Reindex Domain

The Reindex Domain task is used to compress, increase, or decrease the set of physical address spaces (or indexes) of the multidimensional arrays. The process of compressing and defragmenting the physical IDs makes the domain load and run faster. The reindexing options let you reindex the entire domain, dimensions within a hierarchy, or a specified list of dimensions, and also prepend calendar dimension positions. For details about the Reindex Domain online administration tasks, see the *Oracle Retail Predictive Application Server Cloud Edition Administration Guide*.

Scan Domain

The Scan Domain utility is a domain utility used for detecting data loss and repairing data corruption in an RPASCE database. Data loss occurs when an RPASCE process is abnormally terminated. This can happen when an external mechanism, such as a power failure, causes a sudden termination of an RPASCE process. Data loss can also occur due to an unexpected program breakdown.

Data corruption can occur if an external program modifies the RPASCE database files or an unforeseen defect occurs in the processes using the RPASCE database (an extremely rare event).

The Scan Domain utility can detect both corruption and data loss, but it can only fix corruption. This utility can operate on global, non-partitioned, and local domains. It supports parallelization when repairing databases in a domain.

For details about the Scan Domain online administration tasks, see the *Oracle Retail Predictive Application Server Cloud Edition Administration Guide*.

Fix Domain

The Fix Domain online administration utility is used to detect many types of corruption that can occur within an RPASCE domain. This utility can be used to perform a number of tasks, which are described in this section. In all cases, Fix Domain can execute to perform an examination to detect problems. The following major tasks are performed by the Fix Domain task utility:

- Remove Inconsistent Measure Attributes
- Remove Partially Unregistered Measures
- Repair Discrepancies in Hierarchy Information
- Repair Unlinked Arrays

For details about the Fix Domain online administration tasks, see the *Oracle Retail Predictive Application Server Cloud Edition Administration Guide*.

Domain Information

The Domain Information task is used to provide miscellaneous details about a domain, including type of domain (simple, master, subdomain, or local) and the upgrade and version history of the domain.

For details about the Domain Information online administration tasks, see the *Oracle Retail Predictive Application Server Cloud Edition Administration Guide*.

Start Oracle OS Performance Profiling

The Start Oracle OS Performance Profiling task is used to collect OS performance metrics with user-specified parameters. When the task ends, the collected data is packaged in a tar file named as `osw_archive_<timestamp>.tar`. The collected data, along with other profile data or logs, is used to help Oracle Support diagnosis performance issues of the RPAS CE applications.

For details about the Start Oracle OS Performance Profiling online administration tasks, see the *Oracle Retail Predictive Application Server Cloud Edition Administration Guide*.

Stop Oracle OS Performance Profiling

The purpose of this task is to stop the running OS Watcher before its duration ends. When the Stop Oracle OS Performance Profiling task starts, it will immediately stop the running OS Watcher task, and package the collected data in a tar file, the same way the Start Oracle OS Performance Profiling task does at the end of its duration.

Clean up Task

This task is provided to clean up the processed files or unprocessed files from different cloud service locations to be run by the retailer on an on-need basis. This task has options to select the locations to clean up when this task is scheduled.

