Oracle® Retail Merchandise Financial Planning Cloud Service

Implementation Guide

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Oracle Retail Merchandise Financial Planning Cloud Service Implementation Guide, Release 25.2.401.0

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Preface

This document provides critical information about the processing and operating details of Oracle Retail Merchandise Financial Planning Cloud Service.

Audience

This document is for:

- Systems administration and operations personnel
- Systems analysts
- Integrators and implementers
- Business analysts who need information about Oracle Retail Merchandise Financial Planning Cloud Service processes and interfaces

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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.
italic	Italic type indicates book titles, emphasis, or placeholder variables for which you supply particular values.
`monospace`	Monospace type indicates commands within a paragraph, URLs, code in examples, text that appears on the screen, or text that you enter.

1

Introduction

Oracle Retail Merchandise Financial Planning (MFP) Cloud Service provides strategic and financial product planning functions. These functions support industry planning standards for pre-season and in-season processes. For a more detailed overview of the functionality within MFP Cloud Service, see the *Oracle Retail Merchandise Financial Planning Cost Cloud Service User Guide* and *Oracle Retail Merchandise Financial Planning Retail Cloud Service User Guide*.

Contents of the Guide

This implementation guide addresses the following topics:

- Introduction: Overview of the MFP Cloud Service business workflow and skills needed for implementation.
- Implementation Considerations: Explanation of the factors to take into consideration before performing the implementation.
- RAP Integration: Information about RAP integration.
- Appendix: Exports: List of measures for the available exports.
- Appendix: Integration with Oracle Retail Assortment Planning Cloud Service: Information needed for integration with Assortment Planning Cloud Service.
- Appendix: Data Load: List of measures loaded as part of administration tasks.
- Appendix: RMFCS Integration: Information needed for integrating with Oracle Retail Merchandising Foundation Cloud Service.
- Appendix: MFPCS Specific Custom Functions, Procedures, and Special Expressions: Information on custom functions available for MFP Cloud Service.
- Appendix: MFPCS Scheduling in JOS/POM: Details about MFP scheduling in JOS/POM.

Business Process Flow

Figure 1-1 shows a typical workflow for MFP Cloud Service.

Figure 1-1 Business Process Workflow

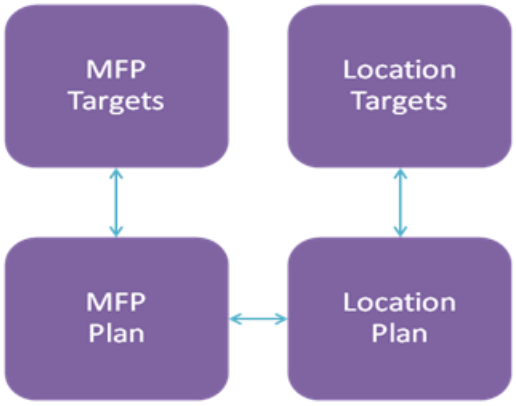

Table 1-1 describes the part of the business process workflow in Figure 1-1.

Table 1-1 Business Process Workflow Components

Component	Description
MFP Targets	• Planning Leader • A combination of traditional Top Down and Middle Out Roles • Plan Level is Department, Week, and Area • Plan Sales, Markdowns, and Inventory by Type plus Receipts
MFP Plan	• Merch Planner • Traditional Bottom Up Role • Plan Level is Subclass, Week, and Area • Plan Sales, Markdowns, and Inventory by Type plus Receipts
Location Targets	• Planning Leader or designate • Create a version of LY Sales/Markdowns that is corrected for non-repeated events such as store closures due to bad weather, construction, and so on • Plan Level is Company, Location, and Week • Plan total sales, markdowns, and so on
Location Plan	• Loc Planner • Plan total sales, markdowns, and so on, through the use of average store metrics using a number of User Defined Hierarchies with Location attributes (comp, volume, size, climate, demographics, and so on) • Plan level is Department, Location, and Week

Key Features of MFP Cloud Service

MFP Cloud Service provides the following features:

- Setting and passing targets
- Creating a financial plan in a structured method
- Plan reconciliation
- Plan approval
- Plan maintenance

- Replanning
- Plan monitoring

Skills Needed for Implementation

The implementer must have an understanding of the following applications and technical concepts.

Applications

The implementer must understand interface requirements of the integrated applications and data sources for the master data, demand, and inventory history. For full implementation, the implementer requires this knowledge for the following applications:

- Oracle Retail Predictive Application Server Cloud Edition (RPASCE)
- Oracle Retail Merchandise Financial Planning Cloud Service (MFPCS)
- Oracle Retail Merchandising Foundation Cloud Service (RMFCS)

Technical Concepts

The implementer must understand the following technical concepts:

- UNIX system administration, shell scripts, and job scheduling
- Performance constraints based on the retailer’s infrastructure
- Retailer’s hierarchical data
- MFP Cloud Service batch processes
- Understanding of how RPASCE rule language works
- Understanding of measures and dimension constructs

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Implementation Considerations

The following information must be considered before configuring MFP Cloud Service:

Configuration Considerations

MFP Cloud Service provides two solution options, Retail and Cost, method of implementation. The default implementation uses the Retail Solution. Both solution options use a similar solution template, but mostly differ in the calculation of Key Metrics specific to the planning. For details on the calculations of Key Planning Metrics to help decide which solution option fits for the customer, see the *Oracle Retail Merchandise Financial Planning Cost Cloud Service User Guide* and *Oracle Retail Merchandise Financial Planning Retail Cloud Service User Guide*.

The customer has the option to change the solution type by patching the configuration. Each solution option can be chosen with or without the Whole Sale Franchise and Local Currency options using automation plug-ins. For more information about generating configurations for different solutions and plug-in options using the Configuration Tools, see the *Oracle Retail Merchandise Financial Planning Cloud Service Starter Kit Guide*.

During implementation, the user has option to extend the application configuration using Extensibility guidelines. For more details about the extensibility of the configuration, see the *Oracle Retail Analytics and Planning Implementation Guide*.

Whole Sale Franchise Option

Retailers having whole sale franchise capabilities and wanting to plan specific metrics to support those functions can choose the Whole Sale Franchise option. Selecting a provision with this option provides additional tasks in the task flow, worksheets, and measures to support this process. For more information about these tasks, see the *Oracle Retail Merchandise Financial Planning Cost Cloud Service User Guide* or *Oracle Retail Merchandise Financial Planning Retail Cloud Service User Guide*. If a provision containing this option is chosen, the retailer must also provide additional data files to support this process. For more details, see Data Files.

Local Currency Option

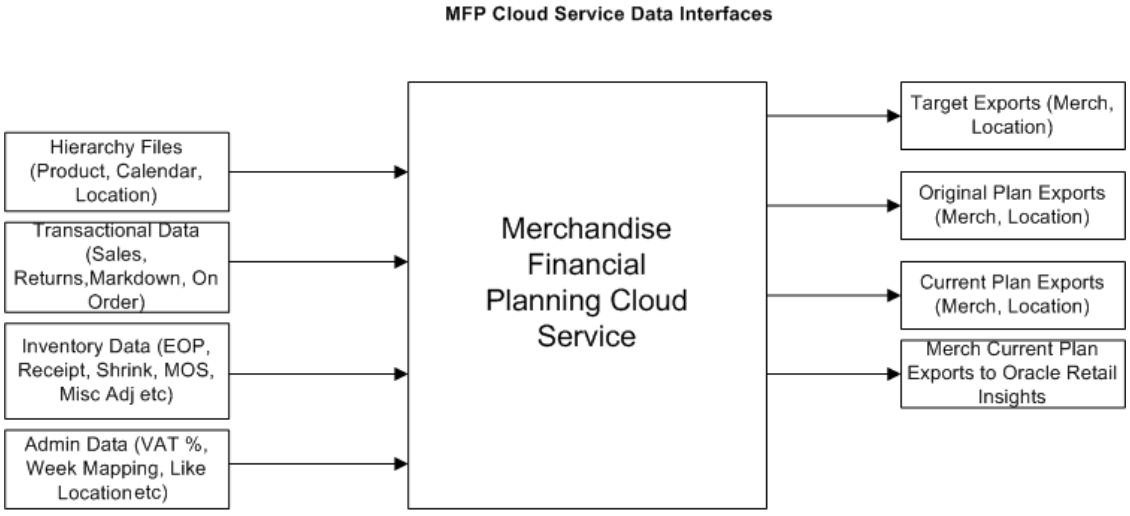
Retailers who want to plan in both primary currency as well as local currency can chose provisions containing this option. Selecting provisions with this option provides additional tasks, worksheets, and measures to support this process. The retailer must set up the Local Currency conversion details in the administration workbooks specific to this option. For more information details, see the *Oracle Retail Merchandise Financial Planning Cost Cloud Service User Guide* or *Oracle Retail Merchandise Financial Planning Retail Cloud Service User Guide*.

Data

MFP Cloud Service needs the following sets of data from customers, which are broadly classified as hierarchy files and data files. The data is described in the following sections:

- Hierarchy Files
- Data Files

Figure 2-1 MFP Cloud Service Data Interfaces



Hierarchy Files

This is the foundation data to build any RPASCE solution. MFP Cloud Service requires the following three foundation hierarchy files: Calendar, Product, and Location. In addition, it also requires the Local Currency VAT (Value Added Tax) and Location Attributes hierarchies. To load the Hierarchy files during the batch process, the customer can upload their hierarchy files as individual files into Object Storage under the input directory or zip them up as hiers.zip and upload that zip file to the same input directory in Object Storage.

Customers can get all the hierarchy files data using RAP integration. Customers need to upload only the hierarchy files data that is not coming through RAP integration. These are specified under the Notes sections of the respective hierarchies.

> **Note**
>
> In order to implement Planning cloud services on Retail Analytics and Planning (RAP), the customer should ensure their foundation data, that is, Product and Organization hierarchies align with Oracle Retail Merchandising Foundation Cloud Service (RMFCS) so that the foundation and transactional data can be used by all services in RAP. They can have more alternate dimensions than available in RMFCS if needed for their Planning Cloud Services.
>
> Customers can use the flex fields available in RAP Foundation files to interface this data. Also, if multiple Planning cloud services such as MFPCS, APCS, and IPOCS-Demand Forecasting are residing in the same PDS, then hierarchies which are common across them should have the same dimension names so they can share the same data interfaced from RAP. However, additional non-shared dimensions can be present in each service, but shared dimensions should have the same name.

> **Note**
>
> In all the hierarchy files, the hierarchy type User Defined Alternates (UDA) and data for those alternates do not need to be present in the hierarchy files. Administration users can directly set values for those alternates directly in the application. For more information, see the *Oracle Retail Predictive Application Server Cloud Edition Administration Guide*. If a retailer also provides these details in the hierarchy files, data for all user alternates for that hierarchy must be present in that file with header information.

> **Note**
>
> Hierarchy files should always contain header information and columns in any order but the file name must be in the format <hier>.hdr.csv.dat.

For information on the hierarchy files, see the following sections:

- Calendar Hierarchy File
- Product Hierarchy File
- Location Hierarchy File
- Currency Hierarchy File
- VAT Hierarchy File
- Location Attributes Hierarchy File
- Level Hierarchy File
- Custom Messages Hierarchy File

Calendar Hierarchy File

File name: clnd.hdr.csv.dat

File format: comma-separated values file

The following table describes the fields in this file.

Name	Label	Hierarchy Type	Parent
DAY	Day	Main	None
WEEK	Week	Main	DAY
MNTH	Month	Main	WEEK
QRTR	Quarter	Main	MNTH
HALF	Half	Main	QRTR
YEAR	Year	Main	HALF
HLDY	Holiday	UDA	WEEK
EVNT	Event	UDA	WEEK
WOYR	Week of Year	Alternate	WEEK
STDB	STD/BTA	UDA	WEEK

Example:

```
day,day_label,week,week_label,mnth,mnth_label,qrtr,qrtr_label,half,half_label,year,year_l
abel,hldy,hldy_label,evnt,evnt_label,woyr,woyr_label,stdb,stdb_label
20170129,1/29/2017,w01_2017,2/4/2017,m01_2017,Feb FY2017,q01_2017,Quarter1
FY2017,h1_2017,Half1 FY2017,a2017,FY2017,0,None,0,None,1,Week 01,0,0
20170130,1/30/2017,w01_2017,2/4/2017,m01_2017,Feb FY2017,q01_2017,Quarter1
FY2017,h1_2017,Half1 FY2017,a2017,FY2017,0,None,0,None,1,Week 01,0,0
20170131,1/31/2017,w01_2017,2/4/2017,m01_2017,Feb FY2017,q01_2017,Quarter1
FY2017,h1_2017,Half1 FY2017,a2017,FY2017,0,None,0,None,1,Week 01,0,0
20170201,2/1/2017,w01_2017,2/4/2017,m01_2017,Feb FY2017,q01_2017,Quarter1
FY2017,h1_2017,Half1 FY2017,a2017,FY2017,0,None,0,None,1,Week 01,0,0
```

Note:

Though RPASCE supports a string for position IDs, for calendar position week, it is preferred to use the date format YYYYMMDD. If the customer uses RAP integration to get the data, the day and week position IDs at which the data needs to be stored are in YYYYMMDD format.

Note:

For non-template customers, it is also recommended to align with the GA Calendar Hierarchy structure for the dimension names for day, week, mnth, qrtr, half, and year so that they can upgrade/implement other GA solutions in a multi-app environment. They can use different labels. The lowest dimension should be day and it is mandatory. The rest of the dimensions are optional and their equivalents should be named accordingly.

Product Hierarchy File

File name: prod.hdr.csv.dat

File format: comma-separated values file

The following table describes the fields in this file.

Name	Label	Hierarchy Type	Parent
SKU	Item	Main	None
SKUP	Style/Color	Main	SKU
SKUG	Style	Main	SKUP

Name	Label	Hierarchy Type	Parent
SCLS	Subclass	Main	SKUG
CLSS	Class	Main	SCLS
DEPT	Department	Main	CLSS
PGRP	Group	Main	DEPT
DVSN	Division	Main	PGRP
CMPP	Company	Main	DVSN
SCL1	Subclass Group 1	UDA	SCLS
SCL2	Subclass Group 2	UDA	SCLS
CLSG	Class Group	UDA	CLSS
CONS	Consignment/Non-Cons	UDA	SCLS

Example:

```
SKU,SKU_LABEL,SKUP,SKUP_LABEL,SKUG,SKUG_LABEL,SCLS,SCLS_LABEL,SCL1,SCL1_LABEL,SCL2,SCL2_L
ABEL,CLSS,CLSS_LABEL,CLSG,CLSG_LABEL,DEPT,DEPT_LABEL,PGRP,PGRP_LABEL,DVSN,DVSN_LABEL,CMPP
,CMPP_LABEL,CONS,CONS_LABEL
22222222,22222222 Ground De-Caffeinated Can,22222222,22222222 Ground De-Caffeinated
Can,22222222,22222222 Ground De-Caffeinated Can,100000,100000 Ground,110000,110000
Brewed,120000,120000 Bag-Jar-Can,10000,10000 Coffee,11001,11001  Coffee,1000,1000 Shelf
Stable Beverages,100,100 Shelf Stable Grocery,10,10 Grocery,1,1 Acme,1,Consignment
44444444,44444444 Ground Regular - Caffeinated Can,44444444,44444444 Ground Regular -
Caffeinated Can,44444444,44444444 Ground Regular - Caffeinated Can,100000,100000
Ground,110000,110000 Brewed,120000,120000 Bag-Jar-Can,10000,10000 Coffee,11001,11001
Coffee,1000,1000 Shelf Stable Beverages,100,100 Shelf Stable Grocery,10,10 Grocery,1,1
Acme,1,Consignment
11111111,11111111 Ground De-Caffeinated Bag,11111111,11111111 Ground De-Caffeinated
Bag,11111111,11111111 Ground De-Caffeinated Bag,100000,100000 Ground,110000,110000
Brewed,120000,120000 Bag-Jar-Can,10000,10000 Coffee,11001,11001  Coffee,1000,1000 Shelf
Stable Beverages,100,100 Shelf Stable Grocery,10,10 Grocery,1,1 Acme,1,Consignment
33333333,33333333 Ground Regular - Caffeinated Bag,33333333,33333333 Ground Regular -
Caffeinated Bag,33333333,33333333 Ground Regular - Caffeinated Bag,100000,100000
Ground,110000,110000 Brewed,120000,120000 Bag-Jar-Can,10000,10000 Coffee,11001,11001
Coffee,1000,1000 Shelf Stable Beverages,100,100 Shelf Stable Grocery,10,10 Grocery,1,1
Acme,1,Consignment
```

Note:

In MFP Cloud Service, the lowest level of planning is done at the Subclass level. Partitioning of the Planning Data Schema should be done above the Subclass level. The customer should have balanced data at the partition level to have better performance. The MFP GA is partitioned by default at the department level. MFPCS also needs aggregated actual data only at the Subclass level. The base MFP configuration is defined to load actual data only at the Item level. Data will be visible within the application only at the Subclass level, but the lowest hierarchy level is still defined at the Item Level to support integration in RAP.

Note:

For non-template customers, it is also recommended to align with the GA Product Hierarchy structure for the dimension names for sku, skup, skug, scls, clss, dept, pgrp, dvsn, and cmpp so that they can upgrade/implement other GA solutions in a multi-app environment. They can use different labels. The lowest dimension should be sku and it is mandatory. The rest of the dimensions are optional and their equivalents should be named accordingly.

Location Hierarchy File

File name: loc.hdr.csv.dat

File format: comma-separated values file

The following table describes the fields in this file.

Name	Label	Hierarchy Type	Parent
STOR	Location	Main	None
DSTR	District	Main	STOR
REGN	Region	Main	DSTR
CHNL	Area	Main	REGN
CHAN	Chain	Main	CHNL
COMP	Company	Main	CHAN
LOCT	Location Type	Alternate	STOR
PHWH	Physical Warehouse	Alternate	STOR
FFLT	Fulfillment Type	Alternate	STOR
CHNG	Chain Group	UDA	CHAN
RGNG	Region Group	UDA	REGN
DSTG	District Group	UDA	DSTR
STRC	Location Cluster	Alternate	STOR
CHNC	Channel	Alternate	STRC
CCTY	Country	Alternate	CHNC

Note:

The Planning Location Hierarchy is aligned with the Merchandising Organization Hierarchy for RAP integration, so Region aggregates to Area as in the Merchandising Hierarchy. Channel is an attribute in RMFCS and is not part of the Organization Hierarchy. RMFCS integration to RAP will send the Planning Channel and Planning Country and that will be mapped to the Channel (CHNC) and Country (CCTY) dimension. Merch Plans and Merch Targets will be created at the Channel (CHNC) level.

Note:

The STRC (Location Cluster) dimension is not currently used in the MFP GA, but it is added to align with the Assortment Planning GA and also to allow for extensibility of MFP or for the non-template customer to enhance to include Location clustering. During hierarchy load, it can be mapped to load with the same STOR dimensions.

Note:

If the customer has Warehouses holding inventory and receipts data, the Virtual Warehouse locations for each Channel can be loaded as locations with Location type as ‘W’. The batch process allows splitting of Warehouse Inventory to locations to include in the Location Inventory for Location Planning.

Example:

```
STOR,STOR_LABEL,DSTR,DSTR_LABEL,REGN,REGN_LABEL,CHNL,CHNL_LABEL,CHAN,CHAN_LABEL,COMP,COMP
_LABEL,LOCT,LOCT_LABEL,PHWH,PHWH_LABEL,FFLT,FFLT_LABEL,STRC,STRC_LABEL,CHNC,CHNC_LABEL,CC
TY,CCTY_LABEL,DSTG,DSTG_LABEL,RGNG,RGNG_LABEL,CHNG,CHNG_LABEL
```

```
1000,1000 Charlotte,1070,North Carolina,170,Mid-Atlantic,1,Brick &
Mortar,1,US,1,Retailer Ltd,1,Store,WH-1,Warehouse - US,1,Brick & Mortar,1000,1000
Charlotte,1,Brick & Mortar,1,USA,170,Mid-Atlantic,1,North,1,North America
1001,1001 Atlanta,1023,Georgia,400,South Atlantic,1,Brick & Mortar,1,US,1,Retailer
Ltd,2,Kiosk,WH-1,Warehouse - US,1,Brick & Mortar,1001,1001 Atlanta,1,Brick &
Mortar,1,USA,400,South Atlantic,2,South,1,North America
1002,1002 Dallas,1104,Texas,230,Gulf States,1,Brick & Mortar,1,US,1,Retailer
Ltd,1,Store,WH-1,Warehouse - US,1,Brick & Mortar,1002,1002 Dallas,1,Brick &
Mortar,1,USA,230,Gulf States,2,South,1,North America
1003,1003 Boston,1051,Massachusetts,200,New England,1,Brick & Mortar,1,US,1,Retailer
Ltd,1,Store,WH-1,Warehouse - US,1,Brick & Mortar,1003,1003 Boston,1,Brick &
Mortar,1,USA,200,New England,1,North,1,North America
1004,1004 New York,1066,New York,200,New England,1,Brick & Mortar,1,US,1,Retailer
Ltd,1,Store,WH-1,Warehouse - US,1,Brick & Mortar,1004,1004 New York,1,Brick &
Mortar,1,USA,200,New England,1,North,1,North America
1005,1005 Philadelphia,1083,Pennsylvania,170,Mid-Atlantic,1,Brick &
Mortar,1,US,1,Retailer Ltd,1,Store,WH-1,Warehouse - US,1,Brick & Mortar,1005,1005
Philadelphia,1,Brick & Mortar,1,USA,170,Mid-Atlantic,1,North,1,North America
```

Note:

For non-template customers, it is also recommended to align with the GA Location Hierarchy structure for the dimension names for stor, dstr, regn, chnl, chan, comp, strc, chnc, and ccty so that they can upgrade/implement other GA solutions in a multi-app environment. They can use different labels. The lowest dimension should be stor and it is mandatory. The rest of the dimensions are optional and their equivalents should be named accordingly.

Currency Hierarchy File

The Currency Hierarchy file is used to define unique currencies to be used in the application. The retailer can customize this hierarchy during implementation and can use the GA dataset hierarchy as a reference. If the Local Currency provision option is enabled during implementation, this hierarchy is loaded, and currency conversion rates are set in the Local Currency Setup workbook. Users can review the plan data in more than one currency.

File name: curh.hdr.csv.dat

File format: comma-separated values file

The following table describes the fields in this file.

Name	Description
Currency	This is the unique currency. The plan data can be converted when the Local Currency provision option is enabled.

Example:

```
curr,curr_label
USD,USD
EUR,EUR
GBP,GBP
BRL,BRL
JPY,JPY
DKK,DKK
KRW,KRW
```

VAT Hierarchy File

The VAT hierarchy file is used to define unique Value Added Tax to be used in the application. The retailer can customize this hierarchy during implementation and can use the GA dataset hierarchy as a reference. Users can set more than one VAT group and VAT rates for them in the administration workbooks. Then, users have the options to choose any one VAT group to use within the solution.

Notes:

This hierarchy data is not coming as part of RAP integration, so the customer needs to explicitly provide this file with at least one valid data.

File name: vath.hdr.csv.dat

File format: comma-separated values file

The following table describes the fields in this file.

Name	Description
VAT Group	This is the unique VAT group used to define different VAT rates that can be used within the application.

Example:

```
vatb,vatb_label
"VAT00","Zero Rate"
"VAT05","Reduced Rate"
"VAT20","Standard Rate"
```

Location Attributes Hierarchy File

The Location Attributes hierarchy represents attributes associated with locations. These attributes are used to group locations to plan in the Location Planning templates.

This hierarchy is intended to capture all location attributes for all locations. The attributes are then assigned to individual locations. This assignment is used when processing the dynamic rollups in the location planning templates.

Name	Label	Hierarchy Type	Aggs
SATV	Loc Attribute Value	Main	None
SATT	Loc Attribute	Main	SATV

File name: satr.hdr.csv.dat

File format: comma-separated values file

The following table describes the fields in this file.

Name	Description
Loc Attribute Value	The various values that an attribute might have. For example, the climate attribute might take the values cold, hot, or humid.
Loc Attribute	The name of a location attribute, such as climate, store volume, and so on.

Notes:

This hierarchy data can be imported as part of RAP integration from RMFCS or the customer can also directly provide the location attribute hierarchy with at least one valid data.

Example:

```
satv,satv_label,satt,satt_label
grade,Sales Perf Grp,grade,Sales Perf Grp
space,Space,space,Space
sfmt1,Downtown,sfmt,Store Format
sfmt2,Strip Mall,sfmt,Store Format
sfmt3,Standalone,sfmt,Store Format
clmt1,Marine,clmt,Climate
clmt2,Cold,clmt,Climate
clmt3,Very Cold,clmt,Climate
clmt4,Hot Dry,clmt,Climate
clmt5,Mixed Dry,clmt,Climate
clmt6,Mixed Humid,clmt,Climate
clmt7,Hot Humid,clmt,Climate
clmt8,Mediterranean,clmt,Climate
clmt9,N/A,clmt,Climate
```

Level Hierarchy File

The Level hierarchy is an internal application-specific hierarchy to define different levels of the Dynamic Hierarchy Rollup for Product and Location using its attributes in various workbook templates. It is hard coded to have three levels in the MFPCS solution. By default, this file will be included as part of the GA deploy.

File name: lvlh.hdr.csv.dat

File format: comma-separated values file

The following table describes the field in this file.

Name	Description
Level	Attribute Roll-Up Level.

Example:

```
lvld,lvld_label
lvl1,Level 1
lvl2,Level 2
lvl3,Level 3
```

Custom Messages Hierarchy File

MFP Cloud Service also has an additional internal hierarchy for custom messages used in the application called Custom Messages Hierarchy (CMSH). Custom messages used in the application are pre-configured in that hierarchy file and, unless a retailer needs different custom messages, that file does not need to be changed. By default, this file will be included as part of the GA deploy.

File name: cmsh.hdr.csv.dat

File format: comma-separated values file

The following table describes the fields in this file.

Name	Label	Hierarchy Type	Parent
CMSD	Messages	Main	None

Example:

"CMS01","Seeding completed successfully!"

"CMS02","Seeding not successful. Please select Wp Seed Source."

Data Files

The following tables describe the data files (measures) needed, load intersection, data type, file name, required/optional, and expected data source details. In the Data Source column, RI means any Data Warehouse or equivalent/RMS and data readily available from RAP integration, Internal means any retailer internal system or the data using data files, and Admin means either data can be directly set up by an administration user or can be loaded as files.

Customers need to provide and upload only data files that are not available through RAP integration.

> **Note**
>
> The selected value for each file in the Required/Optional column in the following tables is specific to the Provision option chosen. If the Wholesale Franchise Provision option is chosen for implementation, all wholesale franchise specific measures are required.

MFP Cloud Service Input Measure List

The following table lists the input data for an MFP Cloud Service implementation:

Table 2-1 MFP Cloud Service Input Measure List

Measure Name	Measure Label	Load Intersection	Data Type	File Name	Solution Type	Required or Optional?	Data Source
drtyeop1c	Ty EOP Reg+Promo C	week/sku/stor	real	eopx.csv.ovr	Retail/Cost	required	RI
drtyeop1r	Ty EOP Reg+Promo R	week/sku/stor	real	eopx.csv.ovr	Retail/Cost	required	RI
drtyeop1u	Ty EOP Reg+Promo U	week/sku/stor	real	eopx.csv.ovr	Retail/Cost	required	RI
drtyeop2c	Ty EOP Clr C	week/sku/stor	real	eopx.csv.ovr	Retail/Cost	required	RI
drtyeop2r	Ty EOP Clr R	week/sku/stor	real	eopx.csv.ovr	Retail/Cost	required	RI
drtyeop2u	Ty EOP Clr U	week/sku/stor	real	eopx.csv.ovr	Retail/Cost	required	RI
drtyrinva1c	Ty RMF Shrink Inventory Adjust C	week/sku/stor	real	inva.csv.ovr	Retail/Cost	required	RI
drtyrinva1r	Ty RMF Shrink Inventory Adjust R	week/sku/stor	real	inva.csv.ovr	Retail	required	RI

Table 2-1 (Cont.) MFP Cloud Service Input Measure List

Measure Name	Measure Label	Load Intersection	Data Type	File Name	Solution Type	Required or Optional?	Data Source
drtyrinva1u	Ty RMF Shrink Inventory Adjust U	week/sku/stor	real	inva.csv.ovr	Retail/Cost	required	RI
drtyrinva2c	Ty RMF Non-Shrink Inventory Adjust C	week/sku/stor	real	inva.csv.ovr	Retail/Cost	required	RI
drtyrinva2r	Ty RMF Non-Shrink Inventory Adjust R	week/sku/stor	real	inva.csv.ovr	Retail	required	RI
drtyrinva2u	Ty RMF Non-Shrink Inventory Adjust U	week/sku/stor	real	inva.csv.ovr	Retail/Cost	required	RI
drtymkdcanr	Ty Markdown Cancel R	week/sku/stor	real	mkd.csv.ovr	Retail/Cost	required	RI
drtymkdclrr	Ty Markdown Clear R	week/sku/stor	real	mkd.csv.ovr	Retail/Cost	required	RI
drtymkdpclr	Ty Markdown Promo Clear R	week/sku/stor	real	mkd.csv.ovr	Retail/Cost	required	RI
drtymkdpror	Ty Markdown POS Promo R	week/sku/stor	real	mkd.csv.ovr	Retail/Cost	required	RI
drtymkdregr	Ty Markdown Reg R	week/sku/stor	real	mkd.csv.ovr	Retail/Cost	required	RI
drtymkupr	Ty Markup R	week/sku/stor	real	mkd.csv.ovr	Retail/Cost	required	RI
drtyicmkdr	Ty Inter-Company Markdown POS R	week/sku/stor	real	mkd.csv.ovr	Retail/Cost	optional	RI
drtyicmkur	Ty Inter-CompanyMarkup R	week/sku/stor	real	mkd.csv.ovr	Retail/Cost	optional	RI
drtywfmkdr	Ty W/F Markdown R	week/sku/stor	real	wfms.csv.ovr	Retail/Cost	optional	RI
drtywfmkur	Ty W/F Markup R	week/sku/stor	real	wfms.csv.ovr	Retail/Cost	optional	RI
drtywfslsu	Ty W/F Sales U	week/sku/stor	real	wfms.csv.ovr	Retail/Cost	optional	RI
drtywfslsc	Ty W/F Sales C	week/sku/stor	real	wfms.csv.ovr	Retail/Cost	optional	RI
drtywfslsr	Ty W/F Sales R	week/sku/stor	real	wfms.csv.ovr	Retail/Cost	optional	RI
drtywfrtnu	Ty W/F Returns U	week/sku/stor	real	wfms.csv.ovr	Retail/Cost	optional	RI
drtywfrtnc	Ty W/F Returns C	week/sku/stor	real	wfms.csv.ovr	Retail/Cost	optional	RI
drtywfrtnr	Ty W/F Returns R	week/sku/stor	real	wfms.csv.ovr	Retail/Cost	optional	RI
drtynslsclrc	Ty Net Sales Clear C	week/sku/stor	real	nsls.csv.ovr	Cost	required	RI
drtynslsclrr	Ty Net Sales Clear R	week/sku/stor	real	nsls.csv.ovr	Retail/Cost	required	RI
drtynslsclru	Ty Net Sales Clear U	week/sku/stor	real	nsls.csv.ovr	Retail/Cost	required	RI
drtynslsproc	Ty Net Sales Promo C	week/sku/stor	real	nsls.csv.ovr	Cost	required	RI

Table 2-1 (Cont.) MFP Cloud Service Input Measure List

Measure Name	Measure Label	Load Intersection	Data Type	File Name	Solution Type	Required or Optional?	Data Source
drtynslspror	Ty Net Sales Promo R	week/sku/stor	real	nsls.csv.ovr	Retail/Cost	required	RI
drtynslsprou	Ty Net Sales Promo U	week/sku/stor	real	nsls.csv.ovr	Retail/Cost	required	RI
drtynslsregc	Ty Net Sales Reg C	week/sku/stor	real	nsls.csv.ovr	Cost	required	RI
drtynslsregr	Ty Net Sales Reg R	week/sku/stor	real	nsls.csv.ovr	Retail/Cost	required	RI
drtynslsregu	Ty Net Sales Reg U	week/sku/stor	real	nsls.csv.ovr	Retail/Cost	required	RI
drtyrtnclrc	Ty Returns Clear C	week/sku/stor	real	rtn.csv.ovr	Cost	required	RI
drtyrtnclrr	Ty Returns Clear R	week/sku/stor	real	rtn.csv.ovr	Retail/Cost	required	RI
drtyrtnclru	Ty Returns Clear U	week/sku/stor	real	rtn.csv.ovr	Retail/Cost	required	RI
drtyrtnproc	Ty Returns Promo C	week/sku/stor	real	rtn.csv.ovr	Cost	required	RI
drtyrtnpror	Ty Returns Promo R	week/sku/stor	real	rtn.csv.ovr	Retail/Cost	required	RI
drtyrtnprou	Ty Returns Promo U	week/sku/stor	real	rtn.csv.ovr	Retail/Cost	required/ optional	RI
drtyrtnregc	Ty Returns Reg C	week/sku/stor	real	rtn.csv.ovr	Cost	required	RI
drtyrtnregr	Ty Returns Reg R	week/sku/stor	real	rtn.csv.ovr	Retail/Cost	required	RI
drtyrtnregu	Ty Returns Reg U	week/sku/stor	real	rtn.csv.ovr	Retail/Cost	required	RI
drtyooc	Ty On Order C	week/sku/stor	real	oo.csv.ovr	Retail/Cost	required	RI
drtyoor	Ty On Order R	week/sku/stor	real	oo.csv.ovr	Retail	required	RI
drtyoou	Ty On Order U	week/sku/stor	real	oo.csv.ovr	Retail/Cost	required	RI
drtyporcptc	Ty PO Receipt C	week/sku/stor	real	rcpt.csv.ovr	Retail/Cost	required	RI
drtyporcptr	Ty PO Receipt R	week/sku/stor	real	rcpt.csv.ovr	Retail/Cost	required	RI
drtyporcptu	Ty PO Receipt U	week/sku/stor	real	rcpt.csv.ovr	Retail/Cost	required	RI
drtytraninbc	Ty Transfers In Book C	week/sku/stor	real	tranx.csv.ovr	Retail/Cost	optional	RI
drtytraninbr	Ty Transfers In Book R	week/sku/stor	real	tranx.csv.ovr	Retail/Cost	optional	RI
drtytraninbu	Ty Transfers In Book U	week/sku/stor	real	tranx.csv.ovr	Retail/Cost	optional	RI
drtytraninic	Ty Transfers In ICT C	week/sku/stor	real	tranx.csv.ovr	Retail/Cost	optional	RI
drtytraninir	Ty Transfers In ICT R	week/sku/stor	real	tranx.csv.ovr	Retail/Cost	optional	RI
drtytraniniu	Ty Transfers In ICT U	week/sku/stor	real	tranx.csv.ovr	Retail/Cost	optional	RI
drtytraninr	Ty Transfers In R	week/sku/stor	real	tranx.csv.ovr	Retail/Cost	optional	RI
drtytraninc	Ty Transfers In C	week/sku/stor	real	tranx.csv.ovr	Retail/Cost	required	RI

Table 2-1 (Cont.) MFP Cloud Service Input Measure List

Measure Name	Measure Label	Load Intersection	Data Type	File Name	Solution Type	Required or Optional?	Data Source
drtytraninu	Ty Transfers In U	week/sku/stor	real	tranx.csv.ovr	Retail/Cost	required	RI
drtytranoutbc	Ty Transfers Out Book C	week/sku/stor	real	tranx.csv.ovr	Retail/Cost	optional	RI
drtytranoutbr	Ty Transfers Out Book R	week/sku/stor	real	tranx.csv.ovr	Retail/Cost	optional	RI
drtytranoutbu	Ty Transfers Out Book U	week/sku/stor	real	tranx.csv.ovr	Retail/Cost	optional	RI
drtytranoutic	Ty Transfers Out ICT C	week/sku/stor	real	tranx.csv.ovr	Retail/Cost	optional	RI
drtytranoutir	Ty Transfers Out ICT R	week/sku/stor	real	tranx.csv.ovr	Retail/Cost	optional	RI
drtytranoutiu	Ty Transfers Out ICT U	week/sku/stor	real	tranx.csv.ovr	Retail/Cost	optional	RI
drtytranoutr	Ty Transfers Out R	week/sku/stor	real	tranx.csv.ovr	Retail/Cost	required	RI
drtytranoutu	Ty Transfers Out U	week/sku/stor	real	tranx.csv.ovr	Retail/Cost	required	RI
drtytranoutc	Ty Transfers Out C	week/sku/stor	real	tranx.csv.ovr	Retail/Cost	required	RI
drtyvndfndr	Ty Vendor Funds R	week/sku/stor	real	tran.csv.ovr	Retail/Cost	required	RI
drtyroyalr	Ty Royalties R	week/sku/stor	real	tran.csv.ovr	Retail/Cost	optional	Internal
drtycogsr	Ty COGS Adj R	week/sku/stor	real	tran.csv.ovr	Retail	optional	Internal
drtyconsinvc	Ty Cons Inv C	week/sku/stor	real	tran.csv.ovr	Cost	optional	Internal
drtyconsinvr	Ty Cons Inv R	week/sku/stor	real	tran.csv.ovr	Retail	optional	Internal
drtymiscadjc	Ty Misc Adj C	week/sku/stor	real	tran.csv.ovr	Cost	optional	Internal
drtymiscadjr	Ty Misc Adj R	week/sku/stor	real	tran.csv.ovr	Retail	optional	Internal
drtymiscadju	Ty Misc Adj U	week/sku/stor	real	tran.csv.ovr	Retail/Cost	optional	Internal
drtybocancu	Ty Backorder Cancel U	week/sku/stor	real	fulfill.csv.ovr	Retail/Cost	optional	Internal
drtybofulfillu	Ty Backorder Fulfilled U	week/sku/stor	real	fulfill.csv.ovr	Retail/Cost	optional	Internal
drtycancu	Ty Cancel U	week/sku/stor	real	fulfill.csv.ovr	Retail/Cost	optional	Internal
drtydemandu	Ty Demand U	week/sku/stor	real	fulfill.csv.ovr	Retail/Cost	optional	Internal
drtyfulfillu	Ty Fulfilled U	week/sku/stor	real	fulfill.csv.ovr	Retail/Cost	optional	Internal
drtytrafficu	Ty Traffic U	week/sku/stor	real	fulfill.csv.ovr	Retail/Cost	optional	Internal
drtyims1r	Ty Pick up in Store (Reg+Promo) R	week/sku/stor	real	fulfill_x.csv.ovr	Retail/Cost	optional	Internal
drtyims1u	Ty Pick up in Store (Reg+Promo) U	week/sku/stor	real	fulfill_x.csv.ovr	Retail/Cost	optional	Internal
drtyims2r	Ty Pick up in Store (Clr) R	week/sku/stor	real	fulfill_x.csv.ovr	Retail/Cost	optional	Internal
drtyims2u	Ty Pick up in Store (Clr) U	week/sku/stor	real	fulfill_x.csv.ovr	Retail/Cost	optional	Internal

Table 2-1 (Cont.) MFP Cloud Service Input Measure List

Measure Name	Measure Label	Load Intersection	Data Type	File Name	Solution Type	Required or Optional?	Data Source
drtymtd1r	Ty Return Back to Online (Reg+Promo) R	week/sku/stor	real	fulfill_x.csv.ovr	Retail/Cost	optional	Internal
drtymtd1u	Ty Return Back to Online (Reg+Promo) U	week/sku/stor	real	fulfill_x.csv.ovr	Retail/Cost	optional	Internal
drtymtd2r	Ty Return Back to Online (Clr) R	week/sku/stor	real	fulfill_x.csv.ovr	Retail/Cost	optional	Internal
drtymtd2u	Ty Return Back to Online (Clr) U	week/sku/stor	real	fulfill_x.csv.ovr	Retail/Cost	optional	Internal
drtystc1r	Ty Ship to Customer (Reg+Promo) R	week/sku/stor	real	fulfill_x.csv.ovr	Retail/Cost	optional	Internal
drtystc1u	Ty Ship to Customer (Reg+Promo) U	week/sku/stor	real	fulfill_x.csv.ovr	Retail/Cost	optional	Internal
drtystc2r	Ty Ship to Customer (Clr) R	week/sku/stor	real	fulfill_x.csv.ovr	Retail/Cost	optional	Internal
drtystc2u	Ty Ship to Customer (Clr) U	week/sku/stor	real	fulfill_x.csv.ovr	Retail/Cost	optional	Internal
drtybisscvp	Ty Buy in Store Ship to Customer %	week_scls_ccty	real	fulfill_a.csv.ovr	Retail/Cost	optional	Internal
drtybopisvp	Ty Buy Online Pick-Up in Store %	week_scls_ccty	real	fulfill_a.csv.ovr	Retail/Cost	optional	Internal
drtyborisvp	Ty Buy Online, Return to Store %	week_scls_ccty	real	fulfill_a.csv.ovr	Retail/Cost	optional	Internal
drtyborovp	Ty Buy Online, Return Online %	week_scls_ccty	real	fulfill_a.csv.ovr	Retail/Cost	optional	Internal
drtyincngstku	Ty Store to Warehouse Restocking $/ U	week_scls_ccty	real	fulfill_a.csv.ovr	Retail/Cost	optional	Internal
drtymtdvp	Ty Return Back to Online %	week_scls_ccty	real	fulfill_a.csv.ovr	Retail/Cost	optional	Internal
drtyonstku	Ty Warehouse Restocking $/ U	week_scls_ccty	real	fulfill_a.csv.ovr	Retail/Cost	optional	Internal
drtystrstku	Ty Store Restocking $/ U	week_scls_ccty	real	fulfill_a.csv.ovr	Retail/Cost	optional	Internal
addvlagl2t	Lag Lly	week	text	lag.csv.ovr	Retail/Cost	required	Admin
addvlaglyt	Lag Ly	week	text	lag.csv.ovr	Retail/Cost	required	Admin
addvvatcp	VAT C %	week_vatb	real	vat.csv.ovr	Retail	required	Admin
addvvatvp	VAT %	week_vatb	real	vat.csv.ovr	Retail/Cost	required	Admin
addvlikepocd	Like Location End Date	stor	date	stor_a.csv.ovr	Retail/Cost	optional	Admin
addvlikepoct	Like Location	stor	text	stor_a.csv.ovr	Retail/Cost	optional	Admin

Table 2-1 (Cont.) MFP Cloud Service Input Measure List

Measure Name	Measure Label	Load Intersection	Data Type	File Name	Solution Type	Required or Optional?	Data Source
addvlocopnd	Location Open Dt	stor	date	stor_a.csv.ovr	Retail/Cost	optional	RI
addvlocendd	Location Close Dt	stor	date	stor_a.csv.ovr	Retail/Cost	optional	RI
addvlocrefd	Location Refurbrish Dt	stor	date	stor_a.csv.ovr	Retail/Cost	optional	RI
addvwfpoct	W/F Location Type	stor	text	stor_a.csv.ovr	Retail/Cost	optional	RI
addvpocdesct	Location Description	stor	text	stor_a.csv.ovr	Retail/Cost	optional	Admin
addvchnlmapt	Channel Type	chnc	text	addvchnlmapt.csv.ovr	Retail/Cost	optional	Admin
addvlcratet	Local Currency Symbol	curc	text	addvlcratet.csv.ovr	Retail/Cost	optional	Admin
addvpocsqmv	Location Square Meter	dept_stor	real	addvpocsqmv.csv.ovr	Retail/Cost	optional	Admin
drtylcratex	Ty Local Currency Rate	day_curc	real	curr.csv.ovr	Retail/Cost	optional	RI
addvlocattt	Location Attribute	stor_satt	text	addvlocattt.csv.ovr	Retail/Cost	optional	Admin

All measure files that need to be loaded as data files need to be grouped based on the File Name; the files should contain the header for the measures to be loaded and should be in .csv format. Measures within a file can be grouped in any order as long as the header column is correctly marked. If a measure is optional in a file, the customer can ignore that measure and group the remaining measures which are available for the customer.

Example:

In the following example, if the customer is not using RAP integration, so only grouping the data which is required and not optional in a file for the data that the customer has.

File Name: tranx.csv.ovr

Base Intersection: week/sku/stor

Data Type: real

```
week,sku,stor,drtytraninr,drtytraninu,drtytranoutr,drtytranoutu
w01_2021,100000,1000,30.96,31.52,0,0
w02_2021,100000,1000,169.13,112.61,1,37.85
w03_2021,100000,1000,233.54,50.26,1,35.09
```

Historical Data

It is recommended that you have at least two years of historical sales and inventory data for creating MFP targets. Less data can be used, but the more data that is available, the more statistical significance can be given to the MFP targets.

It is also important to have two years of history to produce an optimal forecast.

> **Note**
>
> Ty BOS measures (drtybos*) are optional. These measures are the very first week BOP values within the domain. If they are not loaded, it will only affect the very first period inventory within the domain. For the rest of the weeks, the loaded previous period EOP will be used as BOP after the weekly batch. When the calendar is purged, Ty BOS will be reset by the weekly batch.

Loading and Extracting Data

Data can be loaded into MFP Cloud Service using the Online Administration Tools, which in turn use standard RPASCE services. For more information on loading and extracting data using Online Administration Tools, see the *Oracle Retail Merchandise Financial Planning Cloud Service Administration Guide*.

The measure data load is grouped based on the frequency of the data load. For the list of measures loaded for different data load groups, see Appendix: Data Load.

Integration

MFP Cloud Service supports the integration of foundation data files from RMFCS or other source systems. It can get forecast data from AI Foundation and can send approved plans to Retail Insights (RI) using Retail Analytics and Planning (RAP) Integration. For more details about RAP integration, see RAP Integration.

For more details about RMFCS integration and direct integration with RMFCS using a file-based approach, see Appendix: RMFCS Integration.

Retailers using either the template or non-template version must extract and provide the foundation files needed from other source systems as flat files in the required format as needed by RAP integration and then upload to Object Storage. Any data or hierarchy files that are specific to their Planning Solution that cannot be integrated using RAP integration can be directly uploaded to Object Storage for Planning. In the same way, exported files from the solution if not part of RAP integration are sent back to the Object Storage and retailers can download the extracted files from there. The retailer must integrate it with any other system that requires extracted plan data from MFP Cloud Service, if not part of RAP integration.

MFP can also integrate with the 19.0.x release of Oracle Retail Assortment Planning Cloud Service to send plan data. For information on the integration and file format, see Appendix: Integration with Oracle Retail Assortment Planning Cloud Service. For more information on the tasks, see the *Oracle Retail Merchandise Financial Planning Cloud Service Administration Guide*.

User Roles and Security

To define workbook template security, the system administrator grants individual users, or user groups, access to specific workbook templates. Granting access to workbook templates provides users with the ability to create, modify, save, and commit workbooks for the assigned workbook templates. Users are typically assigned to groups based on their user application (or solution) role. Users in the same group can be given access to workbook templates that belong to that group alone. Users can be assigned to more than one group and granted workbook template access without belonging to the user group that typically uses a specific workbook template. Workbook access is either denied, read-only, or full access. Read-only access allows

a user to create a workbook for the template, but the user is not able to edit any values or commit the workbook. The read-only workbook can be refreshed.

> **Note**
>
> Users must have access to workbooks based on their role. The administrator must always follow the principal of least privilege; that is, each user must only be granted access to the product areas for which the user is responsible.

The following table provides guidance regarding which MFP users must have access to each of the workbooks.

Table 2-2 User's Access Permission for MFP Workbooks

Workbook	User Roles
MFP Admin	Merchandise Financial Planner Administrator or Manager
Merch Plan Targets	Merchandise Financial Planning Manager/Executive
Merch Plan	Merchandise Financial Planner
Location Plan Targets	Merchandise Financial Planning Manager/Executive
Location Plan	Merchandise Financial Planner

For more information on security, see the *Oracle Retail Predictive Application Server Cloud Edition Administration Guide*. For more information on data security in a cloud environment, see the Hosting Policy documents for the cloud solution.

Internationalization

Internationalization is the process of creating software that can be translated more easily. Changes to the code are not specific to any particular market.

Oracle Retail applications have been internationalized to support multiple languages.

The RPASCE platform supports associated solution extensions and solution templates:

- A solution extension includes a collection of code and generally available configurations. Typically, solution extensions are implemented by a retailer with minimal configuration.
- A solution template does not include code. A solution template is most typically implemented as a retailer configuration.

Oracle Retail releases the translations of the RPASCE server and client, as well as strings from the solution extensions.

Translations of the solution templates are not released. Since the labels for measures, hierarchies, dimensions, and workbook templates are typically changed by the retailer at implementation time, languages for the templates are not released. All templates have the ability to support multi-byte characters.

For more information on internationalization, see the *Oracle Retail Predictive Application Server Cloud Service Administration Guide*.

Translations are available for MFP Cloud Service for the following languages:

- Chinese (Simplified)

- Chinese (Traditional)
- Croatian
- Dutch
- French
- German
- Greek
- Hungarian
- Italian
- Japanese
- Korean
- Polish
- Portuguese (Brazilian)
- Russian
- Spanish
- Swedish
- Turkish

Batch Process and Scheduling

Batch services are lists of commands or jobs executed without human intervention. A batch window is the time frame in which the batch process must run. It is the upper limit on how long the batch can take. Batch services are used for importing and exporting data and for generating targets. The retailer must decide the best time for running the batch process within the available batch window.

How often to upload updated sales and inventory data and how often to re-create targets must be determined:

- The retailer must consider at what interval to load the latest sales and inventory data. Though the source transaction system is likely to change daily, the retailer must consider how frequently to load the actualized sales and inventory data. A weekly load of transactional type data is supported, since the base intersection is at week. It is recommended that some information from a transactional system, such as RMFCS, be loaded daily. For example, On-Order that can change on a daily basis.
- Product availability and seasonal changes can be reasons for recalculating the targets. This can also be triggered by the addition of new products and availability of substantial new sales and inventory history.

The recommended batch schedule for MFP Cloud Service is to load historical and actual data on a weekly basis. All hierarchy changes can be loaded on a weekly basis.

In MFP Cloud Service, batch tasks can be controlled by a system administrator by using the Online Administration Tools. The tools are a predefined set of online administration tasks that are pre-configured for MFP Cloud Service. Those tasks, in turn, call the required batch services with preset parameters to perform the required tasks. The jobs scheduled in the OAT tools can be monitored using the Online Administration Status Dashboard for status of each of the steps the batch is doing. For more information on the Online Administration Tool tasks, see the *Oracle Retail Merchandise Financial Planning Cloud Service Administration Guide*.

In MFP Cloud Service, the entire batch process is controlled using a set of batch control files and the RPAS batch framework. A predefined set of batch services reads those control files during the batch process. Though users cannot make any changes to underlying batch services/scripts, they can make some changes to batch control files to support their batch schedule.

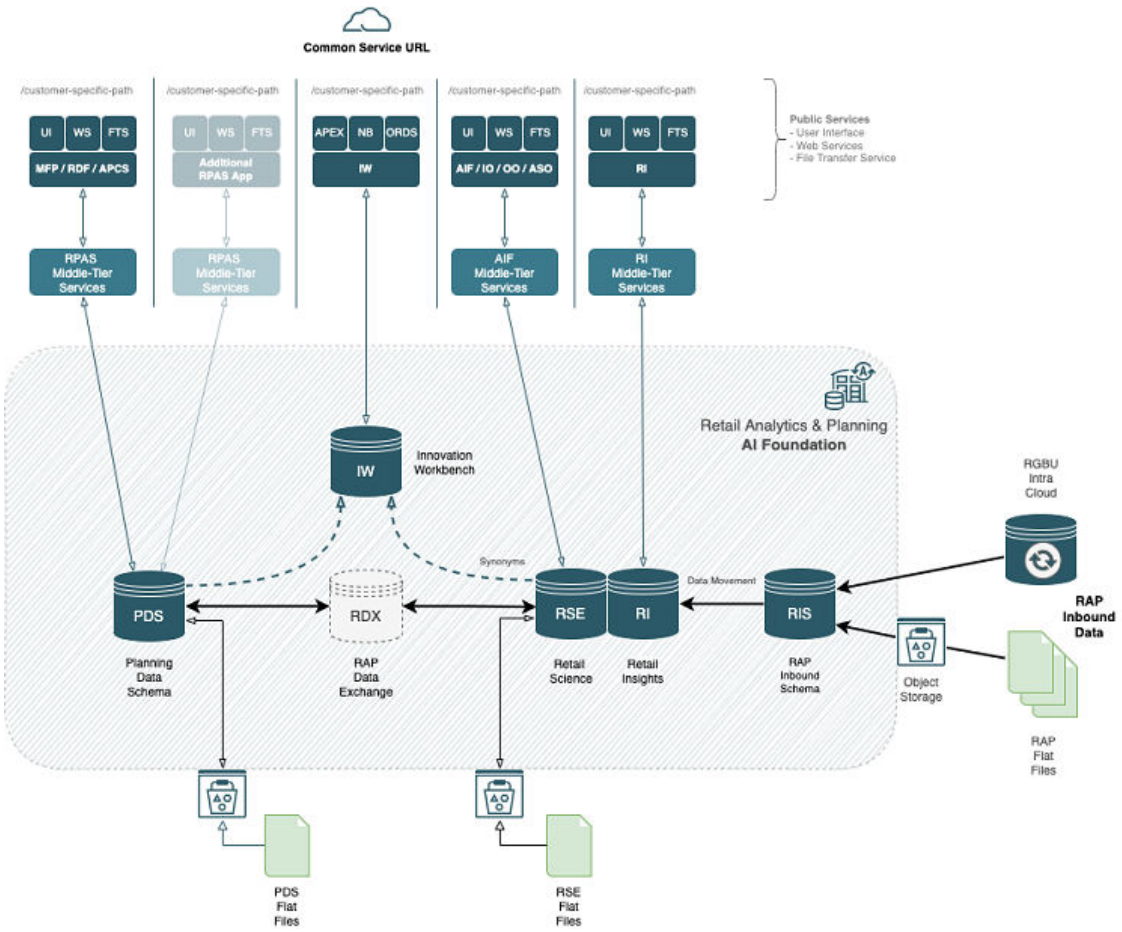
For more details about the list of batch control files, the batch process using them, and details about updating them, see the batch framework in the *Oracle Retail Predictive Application Server Cloud Edition Implementation Guide*.

The customer can use JOS/POM if RAP integration is used and if implemented to schedule pre-configured daily and weekly batch tasks in MFP. Those tasks scheduled using JOS/POM in turn call the same Configured batch tasks under the Online Administration Tool tasks. For more details about scheduling of tasks using JOS/POM, see the *Oracle Retail Predictive Application Server Cloud Service Administration Guide*. For more details about the MFP schedule in JOS/POM, see the Appendix: MFPCS Scheduling in JOS/POM.

3
RAP Integration

Planning Solutions built on Planning Data Schema (PDS) can be integrated with AI Foundation (AIF) and Retail Insights (RI) with in Retail Analytics and Planning (RAP) using RAP integration which in turn can get the foundation data from RMFCS or any other systems integrated to RAP. All three solutions (AIF, RI, PDS) within RAP can share data using RAP Data Exchange (RDX) using RAP interfaces.

Planning Solutions, such as MFP, configured and built in PDS using the RPASCE Configuration allows configurable solutions if they are not using template to use their custom hierarchy and fact names. Planning Solutions, such as MFP, allow configuring of interfaces using **interface.cfg** which controls the mapping of dimensions and facts to columns in the RAP interface staging tables. For more details about configuring interfaces using interfaces.cfg in RAP integration, see the *Oracle Retail Predictive Application Server Cloud Edition Implementation Guide*. The MFP template version has a pre-configured interface.cfg which contains the mapping of interfaces.



The above diagram shows the high-level RAP Architecture. The customer can upload their main input files as RAP Inbound Data using Object Storage and from their Planning

Applications deployed in PDS can get the same using RDX. For more details about the RAP Inbound Interfaces, see the *Oracle Retail Analytics and Planning Implementation Guide*. Any supplemental data that is specific to planning can be directly loaded into PDS as PDS Flat Files. This section shows the details about the interfaces used by PDS in RAP using RDX.

Following are the pre-defined grouping of interfaces available in the MFP template version within RAP integration:

- Foundation and Transactional data from RMFCS using Retail Insights (RI)
- Plan Exports to Retail Insights (RI)
- Forecast Imports from AI Foundation (AIF)

Foundation and Transactional Data from RMFCS using Retail Insights

RMFCS can send Foundation and Transactional data to RAP integration using Retail Insights (RI) and other systems within RAP. The systems can share the data, even if RMFCS is not implemented for the customer. The customer can upload the foundation and data files in the file format needed by RI in RAP integration. That way, the same data can be published to all applications within RAP. It can be done by scheduling required job flows in Retail Insights to get the foundation data from RMFCS and loading it into the staging tables present in Retail Data Exchange (RDX) from where the configured interfaces in MFP can pull the required data into Facts in Planning Data Schema (PDS) where MFP is deployed.

The customer can also load foundation data directly into RAP using the file format specified for RAP integration and using the same staging process in RI to write the data into RDX staging tables from where Planning can pull the data using standard configured interfaces. Only mapped columns specific to GA interfaces are detailed in this guide. For more details about interface file formats and the jobs flow details, see the *Oracle Retail Analytics and Planning Implementation Guide*. Also refer to those guides to find more information about the available columns in each interface staging tables in RDX sourced from RI so that customers using extensibility on template or using custom configuration (non-template) can pull the required data from RDX.

For information about the mappings between the columns in RDX interface table and RAP Inbound Data File columns, see the Data Mappings in the Transformations from RI to Planning section of the *Oracle Retail Analytics and Planning Implementation Guide*. The following sections shows the mappings between the RDX Interface table columns and the measures and dimensions in Planning.

The following table shows the list of interfaces in RAP to get the foundation and transactional data:

Interface	Interface and Table Name	Interface Type
Product Hierarchy	W_PDS_PRODUCT_D	Hierarchy Importer
Location Hierarchy	W_PDS_ORGANIZATION_D	Hierarchy Importer
Calendar Hierarchy	W_PDS_CALENDAR_D (VW_CLND_HIER)	Hierarchy Importer
Currency Hierarchy	VW_CURR_HIER (W_PDS_EXCH_RATE_D)	Hierarchy Importer
Sales Interface	W_PDS_SLS_IT_LC_WK_A	Data Importer
Inventory Interface	W_PDS_INV_IT_LC_WK_A	Data Importer

Interface	Interface and Table Name	Interface Type
Markdown Interface	W_PDS_MKDN_IT_LC_WK_A	Data Importer
On Order Interface	W_PDS_PO_ONORD_IT_LC_WK_A	Data Importer
Receipts Interface	W_PDS_INVRC_IT_LC_WK_A	Data Importer
Inventory Adjustments	W_PDS_INVADJ_IT_LC_WK_A	Data Importer
Inventory Transfers	W_PDS_INVTSF_IT_LC_WK_A	Data Importer
Deal Incomes	W_PDS_DEALINC_IT_LC_WK_A	Data Importer
Wholesale/Franchise	W_PDS_SLSWF_IT_LC_WK_A	Data Importer
Currency Conversion Rates	W_PDS_EXCH_RATE_D (VW_CURR_RATE)	Data Importer
Location Data	VW_LOC_DATA	Data Importer

The following table shows the mapping of dimensions to columns for Hierarchy Importer interfaces from external interface tables:

Hierarchy	Dimension	External Interface Table	External Mapped Column
prod	sku	W_PDS_PRODUCT_D	ITEM
prod	sku_label	W_PDS_PRODUCT_D	ITEM_DESC
prod	skup	W_PDS_PRODUCT_D	ITEM_PARENT_DIFF
prod	skup_label	W_PDS_PRODUCT_D	ITEM_PARENT_DIFF_DESC
prod	skug	W_PDS_PRODUCT_D	ITEM_PARENT
prod	skug_label	W_PDS_PRODUCT_D	ITEM_PARENT_DESC
prod	scls	W_PDS_PRODUCT_D	CLASS_ID
prod	scls_label	W_PDS_PRODUCT_D	DEPT
prod	clss	W_PDS_PRODUCT_D	GROUP_NO
prod	class_label	W_PDS_PRODUCT_D	DIVISION
prod	dept	W_PDS_PRODUCT_D	COMPANY
prod	dept_label	W_PDS_PRODUCT_D	CO_NAME
prod	pgrp	W_PDS_PRODUCT_D	GROUP_NO
prod	pgrp_label	W_PDS_PRODUCT_D	GROUP_NAME
prod	dvsn	W_PDS_PRODUCT_D	DIVISION
prod	dvsn_label	W_PDS_PRODUCT_D	DIV_NAME
prod	cmpp	W_PDS_PRODUCT_D	COMPANY
prod	cmpp_label	W_PDS_PRODUCT_D	CO_NAME
loc	stor	W_PDS_ORGANIZATION_D	LOCATION
loc	stor_label	W_PDS_ORGANIZATION_D	LOC_NAME
loc	dstr	W_PDS_ORGANIZATION_D	DISTRICT
loc	dstr_label	W_PDS_ORGANIZATION_D	DISTRICT_NAME
loc	regn	W_PDS_ORGANIZATION_D	REGION
loc	regn_label	W_PDS_ORGANIZATION_D	REGION_NAME
loc	chnl	W_PDS_ORGANIZATION_D	AREA
loc	chnl_label	W_PDS_ORGANIZATION_D	AREA_NAME

Hierarchy	Dimension	External Interface Table	External Mapped Column
loc	chan	W_PDS_ORGANIZATION_D	CHAIN
loc	chan_label	W_PDS_ORGANIZATION_D	CHAIN_NAME
loc	comp	W_PDS_ORGANIZATION_D	COMPANY
loc	comp_label	W_PDS_ORGANIZATION_D	CO_NAME
loc	phwh	W_PDS_ORGANIZATION_D	PHYSICAL_WH
loc	phwh_label	W_PDS_ORGANIZATION_D	PHYSICAL_WH_NAME
loc	loct	W_PDS_ORGANIZATION_D	LOC_TYPE
loc	loct_label	W_PDS_ORGANIZATION_D	LOC_TYPE_NAME
loc	strc	W_PDS_ORGANIZATION_D	LOCATION
loc	strc_label	W_PDS_ORGANIZATION_D	LOC_NAME
loc	chnc	W_PDS_ORGANIZATION_D	PLANNING_CHANNEL_ID
loc	chnc_label	W_PDS_ORGANIZATION_D	PLANNING_CHANNEL_NAME
loc	ccty	W_PDS_ORGANIZATION_D	PLANNING_COUNTRY_ID
loc	ccty_label	W_PDS_ORGANIZATION_D	PLANNING_COUNTRY_NAME
clnd	day	W_PDS_CALENDAR_D	DAY
clnd	day_label	W_PDS_CALENDAR_D	DAY_LABEL
clnd	week	W_PDS_CALENDAR_D	WEEK
clnd	week_label	W_PDS_CALENDAR_D	WEEK_LABEL
clnd	mnth	W_PDS_CALENDAR_D	MNTH
clnd	mnth_label	W_PDS_CALENDAR_D	MNTH_LABEL
clnd	qrtr	W_PDS_CALENDAR_D	QRTR
clnd	qrtr_label	W_PDS_CALENDAR_D	QRTR_LABEL
clnd	half	W_PDS_CALENDAR_D	HALF
clnd	half_label	W_PDS_CALENDAR_D	HALF_LABEL
clnd	year	W_PDS_CALENDAR_D	YEAR
clnd	year_label	W_PDS_CALENDAR_D	YEAR_LABEL
clnd	woyr	W_PDS_CALENDAR_D	WOYR
clnd	woyr_label	W_PDS_CALENDAR_D	WOYR_LABEL
clnd	stdb	W_PDS_CALENDAR_D	STDB
curh	curc	VW_CURR_HIER	TO_CURRENCY_CODE
curh	curc_label	VW_CURR_HIER	TO_CURRENCY_CODE
satr	satt	VW_SATR_HIER	ATTR_ID
satr	satt_label	VW_SATR_HIER	ATTR_DESC
satr	satv	VW_SATR_HIER	ATTR_VALUE
satr	satv_label	VW_SATR_HIER	ATTR_VALUE_DESC

Note: For Calendar Hierarchy (clnd), RMFCS is not sending the labels. Internally, VW_CLND_HIER is defined in PDS against the interface W_PDS_CALENDAR_D table to derive the labels and also default the calendar import to PDS to have two past years, one current year, and two future years based on the current business date. The Administrator can update the same using the Online Administration Tool Tasks under System Admin Tasks -> List/Set/Unset PDS Integration variables and can update the CLND_PAST_YEARS and CLND_FUTURE_YEARS variables. By default, both are set to 2. The customer can also

update the start fiscal month by setting the CLND_START_MONTH variable. By default, it is set to 2 to have the fiscal start month label be generated as February.

Note: For Currency Hierarchy (curh), there is no direct interface table. Internally, VW_CURR_HIER is defined in PDS against the interface W_PDS_EXCH_RATE_G table to get the unique currency codes. The base currency code is set by default as USD to get the conversion rates for other currencies. The Administrator can update the same using the Online Administration Tool Tasks under System Admin Tasks -> List/Set/Unset PDS Integration variables and can update the BASE_CURRENCY_CODE.

Note: For the Location Attribute Hierarchy (SATR), there is no direct interface table. Internally, VW_SATR_HIER is defined in PDS against the interface W_PDS_ORG_ATTR_STR_D table to get the distinct location attributes.

Note: The VAT Hierarchy (vath) in the MFP GA is not integrated using RAP integration. The customer needs to explicitly provide those files for the MFP GA.

The following table shows the mapping of fact names/measures names to columns for the Data Importer interfaces from the external interface tables in RDX:

Fact Name	External Interface Table	External Mapped Column	External Mapping Condition
drtyeop1c	W_PDS_INV_IT_LC_WK_A	REGULAR_INVENTORY_COST	CLEAR_IND = 'N'
drtyeop1r	W_PDS_INV_IT_LC_WK_A	REGULAR_INVENTORY_RETAIL	CLEAR_IND = 'N'
drtyeop1u	W_PDS_INV_IT_LC_WK_A	REGULAR_INVENTORY_UNITS	CLEAR_IND = 'N'
drtyeop2c	W_PDS_INV_IT_LC_WK_A	REGULAR_INVENTORY_COST	CLEAR_IND = 'Y'
drtyeop2r	W_PDS_INV_IT_LC_WK_A	REGULAR_INVENTORY_RETAIL	CLEAR_IND = 'Y'
drtyeop2u	W_PDS_INV_IT_LC_WK_A	REGULAR_INVENTORY_UNITS	CLEAR_IND = 'Y'
drtyrinva1c	W_PDS_INVADJ_IT_LC_WK_A	SHRINK_COST	
drtyrinva1r	W_PDS_INVADJ_IT_LC_WK_A	SHRINK_RETAIL	
drtyrinva1u	W_PDS_INVADJ_IT_LC_WK_A	SHRINK_UNITS	
drtyrinva2c	W_PDS_INVADJ_IT_LC_WK_A	NON_SHRINK_ADJ_COST	
drtyrinva2r	W_PDS_INVADJ_IT_LC_WK_A	NON_SHRINK_ADJ_RETAIL	
drtyrinva2u	W_PDS_INVADJ_IT_LC_WK_A	NON_SHRINK_ADJ_UNITS	
drtymkdcanr	W_PDS_MKDN_IT_LC_WK_A	MARKDOWN_CANCEL	
drtymkdclrr	W_PDS_MKDN_IT_LC_WK_A	CLEAR_MARKDOWN_RETAIL	
drtymkdpclr	W_PDS_MKDN_IT_LC_WK_A	PROMO_MARKDOWN_RETAIL_CLEAR	
drtymkdpror	W_PDS_MKDN_IT_LC_WK_A	PROMO_MARKDOWN_RETAIL_REG	
drtymkdregr	W_PDS_MKDN_IT_LC_WK_A	REG_MARKDOWN_RETAIL	
drtymkupr	W_PDS_MKDN_IT_LC_WK_A	MARKUP	
drtyicmkur	W_PDS_MKDN_IT_LC_WK_A	INTERCOMPANY_MARKUP	
drtyicmkdr	W_PDS_MKDN_IT_LC_WK_A	INTERCOMPANY_MARKDOWN	
drtywfmkdr	W_PDS_SLSWF_IT_LC_WK_A	WF_MARKDOWN_RETAIL	
drtywfmkur	W_PDS_SLSWF_IT_LC_WK_A	WF_MARKUP_RETAIL	
drtywfslsu	W_PDS_SLSWF_IT_LC_WK_A	FRANCHISE_SALES_UNITS	
drtywfslsc	W_PDS_SLSWF_IT_LC_WK_A	FRANCHISE_SALES_COST	
drtywfslsr	W_PDS_SLSWF_IT_LC_WK_A	FRANCHISE_SALES_RETAIL	

Fact Name	External Interface Table	External Mapped Column	External Mapping Condition
drtywfrtnu	W_PDS_SLSWF_IT_LC_WK_A	FRANCHISE_RETURNS_UNITS	
drtywfrtnc	W_PDS_SLSWF_IT_LC_WK_A	FRANCHISE_RETURNS_COST	
drtywfrtnr	W_PDS_SLSWF_IT_LC_WK_A	FRANCHISE_RETURNS_RETAIL	
drtynslsclrc	W_PDS_SLS_IT_LC_WK_A	NET_SALES_CLR_COST	
drtynslsclrr	W_PDS_SLS_IT_LC_WK_A	NET_SALES_CLR_RETAIL	
drtynslsclru	W_PDS_SLS_IT_LC_WK_A	NET_SALES_CLR_UNITS	
drtynslsproc	W_PDS_SLS_IT_LC_WK_A	NET_SALES_PRO_COST	
drtynslspror	W_PDS_SLS_IT_LC_WK_A	NET_SALES_PRO_RETAIL	
drtynslsprou	W_PDS_SLS_IT_LC_WK_A	NET_SALES_PRO_UNITS	
drtynslsregc	W_PDS_SLS_IT_LC_WK_A	NET_SALES_REG_COST	
drtynslsregr	W_PDS_SLS_IT_LC_WK_A	NET_SALES_REG_RETAIL	
drtynslsregu	W_PDS_SLS_IT_LC_WK_A	NET_SALES_REG_UNITS	
drtyrtnclrc	W_PDS_SLS_IT_LC_WK_A	RETURNS_CLR_COST	
drtyrtnclrr	W_PDS_SLS_IT_LC_WK_A	RETURNS_CLR_RETAIL	
drtyrtnclru	W_PDS_SLS_IT_LC_WK_A	RETURNS_CLR_UNITS	
drtyrtnproc	W_PDS_SLS_IT_LC_WK_A	RETURNS_PRO_COST	
drtyrtnpror	W_PDS_SLS_IT_LC_WK_A	RETURNS_PRO_RETAIL	
drtyrtnprou	W_PDS_SLS_IT_LC_WK_A	RETURNS_PRO_UNITS	
drtyrtnregc	W_PDS_SLS_IT_LC_WK_A	RETURNS_REG_COST	
drtyrtnregr	W_PDS_SLS_IT_LC_WK_A	RETURNS_REG_RETAIL	
drtyrtnregu	W_PDS_SLS_IT_LC_WK_A	RETURNS_REG_UNITS	
drtyooc	W_PDS_PO_ONORD_IT_LC_WK_A	ON_ORDER_COST	
drtyoor	W_PDS_PO_ONORD_IT_LC_WK_A	ON_ORDER_RETAIL	
drtyoou	W_PDS_PO_ONORD_IT_LC_WK_A	ON_ORDER_UNITS	
drtyporcptc	W_PDS_INVRC_IT_LC_WK_A	PO_RECEIPT_COST	
drtyporcptr	W_PDS_INVRC_IT_LC_WK_A	PO_RECEIPT_RETAIL	
drtyporcptu	W_PDS_INVRC_IT_LC_WK_A	PO_RECEIPT_UNITS	
drtytraninbc	W_PDS_INVTSF_IT_LC_WK_A	TSF_IN_COST	TSF_TYPE = 'B'
drtytraninbr	W_PDS_INVTSF_IT_LC_WK_A	TSF_IN_RETAIL	TSF_TYPE = 'B'
drtytraninbu	W_PDS_INVTSF_IT_LC_WK_A	TSF_IN_UNITS	TSF_TYPE = 'B'
drtytraninic	W_PDS_INVTSF_IT_LC_WK_A	TSF_IN_COST	TSF_TYPE = 'I'
drtytraninir	W_PDS_INVTSF_IT_LC_WK_A	TSF_IN_RETAIL	TSF_TYPE = 'I'
drtytraniniu	W_PDS_INVTSF_IT_LC_WK_A	TSF_IN_UNITS	TSF_TYPE = 'I'
drtytraninr	W_PDS_INVTSF_IT_LC_WK_A	TSF_IN_RETAIL	TSF_TYPE = 'N'
drtytraninc	W_PDS_INVTSF_IT_LC_WK_A	TSF_IN_COST	TSF_TYPE = 'N'
drtytraninu	W_PDS_INVTSF_IT_LC_WK_A	TSF_IN_UNITS	TSF_TYPE = 'N'
drtytranoutbc	W_PDS_INVTSF_IT_LC_WK_A	TSF_OUT_COST	TSF_TYPE = 'B'
drtytranoutbr	W_PDS_INVTSF_IT_LC_WK_A	TSF_OUT_RETAIL	TSF_TYPE = 'B'
drtytranoutbu	W_PDS_INVTSF_IT_LC_WK_A	TSF_OUT_UNITS	TSF_TYPE = 'B'
drtytranoutic	W_PDS_INVTSF_IT_LC_WK_A	TSF_OUT_COST	TSF_TYPE = 'I'

Fact Name	External Interface Table	External Mapped Column	External Mapping Condition
drtytranoutir	W_PDS_INVTSF_IT_LC_WK_A	TSF_OUT_RETAIL	TSF_TYPE = 'I'
drtytranoutiu	W_PDS_INVTSF_IT_LC_WK_A	TSF_OUT_UNITS	TSF_TYPE = 'I'
drtytranoutr	W_PDS_INVTSF_IT_LC_WK_A	TSF_OUT_RETAIL	TSF_TYPE = 'N'
drtytranoutu	W_PDS_INVTSF_IT_LC_WK_A	TSF_OUT_UNITS	TSF_TYPE = 'N'
drtytranoutc	W_PDS_INVTSF_IT_LC_WK_A	TSF_OUT_COST	TSF_TYPE = 'N'
drtyvndfndr	W_PDS_DEALINC_IT_LC_WK_A	DEAL_INCOME_SALES	
addvlocopnd	VW_LOC_DATA	STORE_OPEN_DATE	
addvlocendd	VW_LOC_DATA	STORE_CLOSE_DATE	
addvlocrefd	VW_LOC_DATA	REMODEL_DATE	
addvwfpoct	VW_LOC_DATA	STORE_TYPE	
drtylcratex	W_PDS_EXCH_RATE_G	EXCHANGE_RATE	
addvlocatt	W_PDS_ORG_ATTR_STR_D	ATTR_VALUE	

Note: For Location specific data, the same W_PDS_ORGANIZATION_D hierarchy table used for the location hierarchy is used. The view VW_LOC_DATA is defined in PDS to point to the same set of data and used as data importer interface.

Note: Pack Items are filtered by default for MFP during the product hierarchy import from RAP using the Pack Item Filter Value measure set to N. This shared filter measure, PCKFLGVAL, can be managed in the Planning Admin workbook. In a multi-app scenario, if other applications need to bring in pack items, this can be changed to % to bring in both pack items and non-pack items.

Plan Exports to Retail Insights

Approved plans from MFPCS can be exported to Retail Insights within RAP integration. Retail Insights allows getting four levels of plans for different versions. The MFP template version allows creating four levels of plans, Merch Plan (OP, CP), Merch Target (TG), Location Plan (OP, CP), and Location Target Plan (TG). All those plans and their different versions can be exported to Retail Insights on a weekly basis. Since MFP non-template versions can create a different level of plans and also can configure various metrics, the interface staging table in Retail Sights contains the same set of columns and various flex columns.

For more details about the list of columns available in the Retail Insights Interface Staging table if the customer plans to use extensibility or use the non-template version to send additional data, see the *Oracle Retail Insights Implementation Guide*. This guide contains only the mapped columns for the MFP template version for each level of plans.

The following table shows the list of interfaces in RAP to export the plan data from MFP to RI:

Interface	Interface and Table Name	Interface Type
Merch Plan Export	MFP_PLAN1_EXP	Data Explorer
Merch Target Plan Export	MFP_PLAN2_EXP	Data Explorer
Location Plan Export	MFP_PLAN3_EXP	Data Explorer
Location Target Plan Export	MFP_PLAN4_EXP	Data Explorer

Note: If Retail/Cost is denoted, that metric will have value only if that version of MFP is implemented from the template, otherwise that value will be always exported as zero.

Plan Level 1 MFP_PLAN1_EXP - Merch Plan Export

This plan export is for exporting both the OP and CP versions of approved Merch Plans. VERSION_NUM 0 is used to export the OP version and 1 is used to export the CP version. The following table only shows the mapping for OP versions. The CP versions of mapping remain the same; the Version Number used is 1.

Staging Table Column	Description	MFP Dimension/Measure Mapping	Retail/Cost
PROD_KEY	Product Dimension	scls	
LOC_KEY	Location Dimension	chnc	
CLND_KEY	Calendar Dimension	week	
PROD_DH_ATTR	Attribute Dimension for RI	-1	
SUPPLIER_NUM	Supplier Dimension for RI	-1	
CAL_DATE	Last Day of Week	MPOPLDOWD	
VERSION_NUM	Version Number	0	
SLS_QTY	Op Sales U	MPOPSlsU	
SLSCL_QTY	Op Sales Clr U	MPOPSls2U	
SLSRGPRO_QTY	Op Sales Reg+Promo U	MPOPSls1U	
SLS_RTL_AMT	Op Sales R	MPOPSlsR	
SLSCL_RTL_AMT	Op Sales Clr R	MPOPSls2R	
SLSRGPRO_RTL_AMT	Op Sales Reg+Promo R	MPOPSls1R	
SLS_COST_AMT	Op Sales C	MPOPSlsC	
RET_QTY	Op Returns U	MPOPRtnU	
RETCL_QTY	Op Returns Clr U	MPOPRtn2U	
RETRGPRO_QTY	Op Returns Reg+Promo U	MPOPRtn1U	
RET_RTL_AMT	Op Returns R	MPOPRtnR	
RETCL_RTL_AMT	Op Returns Clr R	MPOPRtn2R	
RETRGPRO_RTL_AMT	Op Returns Reg+Promo R	MPOPRtn1R	
NET_SLSRGPRO_QTY	Op Net Sales Reg+Promo U	MPOPNSls1U	
NET_SLSCL_QTY	Op Net Sales Clr U	MPOPNSls2U	
NET_SLSRGPRO_RTL_AMT	Op Net Sales Reg+Promo R	MPOPNSls1R	
NET_SLSCL_RTL_AMT	Op Net Sales Clr R	MPOPNSls2R	
NET_MARGIN_RTL_AMT	Op Net GM R	MPOPNGMR	
TAX_RTL_AMT	Op VAT R	MPOPVATR	
SLSTE_RTL_AMT	Op Net Sales R	MPOPNSlsR	
MARGIN_RTL_AMT	Op GM R	MPOPGMR	
MKDNPM_RTL_AMT	Op Markdown Perm Reg+Promo R	MPOPInvDV1R	
MKDNCL_RTL_AMT	Op Markdown Perm Clr R	MPOPInvDV2R	
MKDNPR_RTL_AMT	Op Markdown POS R	MPOPMkdR	
BOH_COST_AMT	Op BOP C	MPOPBOPC	

Staging Table Column	Description	MFP Dimension/Measure Mapping	Retail/Cost
BOH_RTL_AMT	Op BOP R	MPOPBOPR	
BOHRGPRO_RTL_AMT	Op BOP Reg+Promo R	MPOPBOP1R	
BOHCL_RTL_AMT	Op BOP Clr R	MPOPBOP2R	
BOH_QTY	Op BOP U	MPOPBOPU	
BOHRGPRO_QTY	Op BOP Reg+Promo U	MPOPBOP1U	
BOHCL_QTY	Op BOP Clr U	MPOPBOP2U	
EOH_COST_AMT	Op EOP C	MPOPEOPC	
EOHRGPRO_COST_AMT	Op EOP Reg+Promo C	MPOPEOP1C	Cost
EOHCL_COST_AMT	Op EOP Clr C	MPOPEOP2C	Cost
EOH_RTL_AMT	Op EOP R	MPOPEOPR	Retail
EOHRGPRO_RTL_AMT	Op EOP Reg+Promo R	MPOPEOP1R	Retail
EOHCL_RTL_AMT	Op EOP Clr R	MPOPEOP2R	Retail
EOH_QTY	Op EOP U	MPOPEOPU	
EOHRGPRO_QTY	Op EOP Reg+Promo U	MPOPEOP1U	
EOHCL_QTY	Op EOP Clr U	MPOPEOP2U	
INVRC_COST_AMT	Op Receipts C	MPOPRcptC	
INVRC_RTL_AMT	Op Receipts R	MPOPRcptR	
INVRC_QTY	Op Receipts U	MPOPRcptU	
INVADJ_COST_AMT	Op Inv Adj C	MPOPInvAdjC	
INVADJ_RTL_AMT	Op Inv Adj R	MPOPInvAdjR	
INVADJ_QTY	Op Inv Adj U	MPOPInvAdjU	
SHRINK_COST_AMT	Op Shrink C	MPOPShrkC	
SHRINK_RTL_AMT	Op Shrink R	MPOPShrkR	Retail
SHRINK_QTY	Op Shrink U	MPOPShrkU	
MISCI_COST_AMT	Op Misc Adj C	MPOPMiscAdjC	Cost
MISCI_RTL_AMT	Op Misc Adj R	MPOPMiscAdjR	Retail
MISCI_QTY	Op Misc Adj U	MPOPMiscAdjU	
MOVETOCL_COST_AMT	Op Move to Clr C	MPOPMOCC	Cost
MOVETOCL_RTL_AMT	Op Move to Clr R	MPOPMOCR	Retail
MOVETOCL_QTY	Op Move to Clr U	MPOPMOCU	
MOS_COST_AMT	Op MOS C	MPOPMOSC	
MOS_RTL_AMT	Op MOS R	MPOPMOSR	Retail
MOS_QTY	Op MOS U	MPOPMOSU	
MKDNWF_RTL_AMT	Op Markdown POS due to W/F R	MPOPMkdWFR	
RYLTY_RTL_AMT	Op Royalties R	MPOPRoyalR	
VNDFND_RTL_AMT	Op Vendor Funds R	MPOPVndFndR	
DMND_QTY	Op Demand U	MPOPDemandU	
DMND_CAN_QTY	Op Cancel U	MPOPCancU	
SLS_COMP_RTL_AMT	Op Comp Sales R	MPOPSlsCmpR	
SLS_NCOMP_RTL_AMT	Op Non-Comp Sales R	MPOPSlsNCpR	

Staging Table Column	Description	MFP Dimension/Measure Mapping	Retail/Cost
TRAFFIC_CNT	Op Traffic U	MPOPTrafficU	
OTB_COST_AMT	Wp OTB C	MPWPOTBC	
OTB_RTL_AMT	Wp OTB R	MPWPOTBR	Retail
OTB_QTY	Wp OTB U	MPWPOTBU	

Plan Level 2 MFP_PLAN2_EXP - Merch Target Plan Export

This plan export is for exporting the Tgt version of approved Merch Target Plans. VERSION_NUM 0 is used to export the Target version.

Staging Table Column	Description	MFP Dimension/ Measure Mapping	Retail/Cost
PROD_KEY	Product Dimension	dept	
LOC_KEY	Location Dimension	chnc	
CLND_KEY	Calendar Dimension	week	
PROD_DH_ATTR	Attribute Dimension for RI	-1	
SUPPLIER_NUM	Supplier Dimension for RI	-1	
CAL_DATE	Last Day of Week	MTTGLDOWD	
VERSION_NUM	Version Number	0	
SLS_QTY	Tgt Sales U	MTTGSlsU	
SLSCL_QTY	Tgt Sales Clr U	MTTGSls2U	Retail
SLSRGPRO_QTY	Tgt Sales Reg+Promo U	MTTGSls1U	Retail
SLS_RTL_AMT	Tgt Sales R	MTTGSlsR	
SLSCL_RTL_AMT	Tgt Sales Clr R	MTTGSls2R	Retail
SLSRGPRO_RTL_AMT	Tgt Sales Reg+Promo R	MTTGSls1R	Retail
SLS_COST_AMT	Tgt Sales C	MTTGSlsC	
RET_QTY	Tgt Returns U	MTTGRtnU	
RETCL_QTY	Tgt Returns Clr U	MTTGRtn2U	
RETRGPRO_QTY	Tgt Returns Reg+Promo U	MTTGRtn1U	
RET_RTL_AMT	Tgt Returns R	MTTGRtnR	
RETCL_RTL_AMT	Tgt Returns Clr R	MTTGRtn2R	
RETRGPRO_RTL_AMT	Tgt Returns Reg+Promo R	MTTGRtn1R	
NET_SLSRGPRO_QTY	Tgt Net Sales Reg+Promo U	MTTGNSls1U	
NET_SLSCL_QTY	Tgt Net Sales Clr U	MTTGNSls2U	
NET_SLSRGPRO_RTL_AMT	Tgt Net Sales Reg+Promo R	MTTGNSls1R	
NET_SLSCL_RTL_AMT	Tgt Net Sales Clr R	MTTGNSls2R	
NET_MARGIN_RTL_AMT	Tgt Net GM R	MTTGNGMR	
TAX_RTL_AMT	Tgt VAT R	MTTGVATR	
SLSTE_RTL_AMT	Tgt Net Sales R	MTTGNSlsR	
MARGIN_RTL_AMT	Tgt GM R	MTTGGMR	

Staging Table Column	Description	MFP Dimension/ Measure Mapping	Retail/Cost
MKDNPM_RTL_AMT	Tgt Markdown Perm Reg+Promo R	MTTGInvDV1R	
MKDNCL_RTL_AMT	Tgt Markdown Perm Clr R	MTTGInvDV2R	
MKDNPR_RTL_AMT	Tgt Markdown POS R	MTTGMkdR	
BOH_COST_AMT	Tgt BOP C	MTTGBOPC	
BOH_RTL_AMT	Tgt BOP R	MTTGBOPR	
BOHRGPRO_RTL_AMT	Tgt BOP Reg+Promo R	MTTGBOP1R	
BOHCL_RTL_AMT	Tgt BOP Clr R	MTTGBOP2R	
BOH_QTY	Tgt BOP U	MTTGBOPU	
BOHRGPRO_QTY	Tgt BOP Reg+Promo U	MTTGBOP1U	
BOHCL_QTY	Tgt BOP Clr U	MTTGBOP2U	
EOH_COST_AMT	Tgt EOP C	MTTGEOPC	
EOHRGPRO_COST_AMT	Tgt EOP Reg+Promo C	MTTGEOP1C	
EOHCL_COST_AMT	Tgt EOP Clr C	MTTGEOP2C	
EOH_RTL_AMT	Tgt EOP R	MTTGEOPR	
EOHRGPRO_RTL_AMT	Tgt EOP Reg+Promo R	MTTGEOP1R	
EOHCL_RTL_AMT	Tgt EOP Clr R	MTTGEOP2R	
EOH_QTY	Tgt EOP U	MTTGEOPU	
EOHRGPRO_QTY	Tgt EOP Reg+Promo U	MTTGEOP1U	
EOHCL_QTY	Tgt EOP Clr U	MTTGEOP2U	
INVRC_COST_AMT	Tgt Receipts C	MTTGRcptC	
INVRC_RTL_AMT	Tgt Receipts R	MTTGRcptR	
INVRC_QTY	Tgt Receipts U	MTTGRcptU	
INVADJ_COST_AMT	Tgt Inv Adj C	MTTGInvAdjC	
INVADJ_RTL_AMT	Tgt Inv Adj R	MTTGInvAdjR	Retail
INVADJ_QTY	Tgt Inv Adj U	MTTGInvAdjU	
SHRINK_COST_AMT	Tgt Shrink C	MTTGShrkC	
SHRINK_RTL_AMT	Tgt Shrink R	MTTGShrkR	Retail
SHRINK_QTY	Tgt Shrink U	MTTGShrkU	
MISCI_COST_AMT	Tgt Misc Adj C	MTTGMiscAdjC	
MISCI_RTL_AMT	Tgt Misc Adj R	MTTGMiscAdjR	Retail
MISCI_QTY	Tgt Misc Adj U	MTTGMiscAdjU	
MOVETOCL_COST_AMT	Tgt Move to Clr C	MTTGMOCC	
MOVETOCL_RTL_AMT	Tgt Move to Clr R	MTTGMOCR	Retail
MOVETOCL_QTY	Tgt Move to Clr U	MTTGMOCU	
MOS_COST_AMT	Tgt MOS C	MTTGMOSC	
MOS_RTL_AMT	Tgt MOS R	MTTGMOSR	Retail
MOS_QTY	Tgt MOS U	MTTGMOSU	
MKDNWF_RTL_AMT	Tgt Markdown POS due to W/F R	MTTGMkdWFR	

Staging Table Column	Description	MFP Dimension/ Measure Mapping	Retail/Cost
RYLTY_RTL_AMT	Tgt Royalties R	MTTGRoyalR	
VNDFND_RTL_AMT	Tgt Vendor Funds R	MTTGVndFndR	
DMND_QTY	Tgt Demand U	MTTGDemandU	
DMND_CAN_QTY	Tgt Cancel U	MTTGCancU	
SLS_COMP_RTL_AMT	Tgt Comp Sales R	MTTGSlsCmpR	
SLS_NCOMP_RTL_AMT	Tgt Non-Comp Sales R	MTTGSlsNCpR	
TRAFFIC_CNT	Tgt Traffic U	MTTGTrafficU	
OTB_COST_AMT	Wp OTB C	MTWPOTBC	
OTB_RTL_AMT	Wp OTB R	MTWPOTBR	Retail
OTB_QTY	Wp OTB U	MTWPOTBU	

Plan Level 3 MFP_PLAN3_EXP - Location Plan Export

This plan export is for exporting both the OP and CP versions of approved Location Plans. VERSION_NUM 0 is used to export the OP version and 1 is used to export the CP version. The following table only shows the mapping for OP versions. The CP versions of mapping remain the same; the Version Number used is 1.

Staging Table Column	Description	MFP Dimension/ Measure Mapping	Retail/Cost
PROD_KEY	Product Dimension	DEPT	
LOC_KEY	Location Dimension	STOR	
CLND_KEY	Calendar Dimension	WEEK	
PROD_DH_ATTR	Attribute Dimension for RI	-1	
SUPPLIER_NUM	Supplier Dimension for RI	-1	
CAL_DATE	Last Day of Week	LPOPLDOWD	
VERSION_NUM	Version Number	0	
SLS_QTY	Op Sales U	LPOPSlsU	
SLSCL_QTY	Op Sales Clr U	LPOPSls2U	
SLS_RTL_AMT	Op Sales R	LPOPSlsR	
SLSCL_RTL_AMT	Op Sales Clr R	LPOPSls2R	
SLS_COST_AMT	Op Sales C	LPOPSlsC	
RET_QTY	Op Returns U	LPOPRtnU	
RETCL_QTY	Op Returns Clr U	LPOPRtn2U	
RET_RTL_AMT	Op Returns R	LPOPRtnR	
TAX_RTL_AMT	Op VAT R	LPOPVATR	
SLSTE_RTL_AMT	Op Net Sales R	LPOPNSlsR	
MARGIN_RTL_AMT	Op GM R	LPOPGMR	
MKDNPM_RTL_AMT	Op Markdown Perm Reg+Promo R	LPOPInvDVR	
MKDNPR_RTL_AMT	Op Markdown POS R	LPOPMkdR	
BOH_COST_AMT	Op BOP C	LPOPBOPC	

Staging Table Column	Description	MFP Dimension/ Measure Mapping	Retail/Cost
BOH_RTL_AMT	Op BOP R	LPOPBOPR	Retail
BOH_QTY	Op BOP U	LPOPBOPU	
EOH_COST_AMT	Op EOP C	LPOPEOPC	
EOH_RTL_AMT	Op EOP R	LPOPEOPR	Retail
EOH_QTY	Op EOP U	LPOPEOPU	
INVRC_COST_AMT	Op Receipts C	LPOPRcptC	
INVRC_RTL_AMT	Op Receipts R	LPOPRcptR	Retail
INVRC_QTY	Op Receipts U	LPOPRcptU	
INVADJ_QTY	Op Inv Adj U	LPOPInvAdjU	
SHRINK_COST_AMT	Op Shrink C	LPOPShrkC	
SHRINK_RTL_AMT	Op Shrink R	LPOPShrkR	Retail
SHRINK_QTY	Op Shrink U	LPOPShrkU	
MKDNWF_RTL_AMT	Op Markdown POS due to W/F R	LPOPMkdWFR	
OTB_COST_AMT	Wp OTB C	LPWPOTBC	
OTB_RTL_AMT	Wp OTB R	LPWPOTBR	Retail
OTB_QTY	Wp OTB U	LPWPOTBU	

Plan Level 4 MFP_PLAN4_EXP - Location Target Plan Export

This plan export is for exporting the Tgt version of approved Location Target Plans. VERSION_NUM 0 is used to export the Target version.

Staging Table Column	Description	MFP Dimension/ Measure Mapping	Retail/Cost
PROD_KEY	Product Dimension	DEPT	
LOC_KEY	Location Dimension	STOR	
CLND_KEY	Calendar Dimension	WEEK	
PROD_DH_ATTR	Attribute Dimension for RI	-1	
SUPPLIER_NUM	Supplier Dimension for RI	-1	
CAL_DATE	Last Day of Week	LTTGLDOWD	
VERSION_NUM	Version Number	0	
SLS_QTY	Tgt Sales U	LTTGSlsU	
SLS_RTL_AMT	Tgt Sales R	LTTGSlsR	
RET_QTY	Tgt Returns U	LTTGRtnU	
RET_RTL_AMT	Tgt Returns R	LTTGRtnR	
MKDNPR_RTL_AMT	Tgt Markdown POS R	LTTGMkdR	Retail

Forecast Imports from AI Foundation

Forecasts can be generated from AI Foundation (AIF) and imported to MFPCS using RAP integration. AI Foundation can generate different levels of forecasts as needed by different

levels of plans. It generates both Pre-Season forecasts (using the Auto-ES Forecast method) and In-Season Forecasts (using the Bayesian Forecast Method). AI Foundation directly gets the actuals and plan data from MFP through RI using RAP integration. Job flows in AI Foundation need to be scheduled to generate the forecast and import the same to MFP. For more details, see the *Oracle Retail Analytics and Planning Implementation Guide*.

In order to get forecasts from AI Foundation (AIF), during implementation, some initial setups need to be done in the AI Foundation (AIF) platform. For more details, see the *Oracle Retail Analytics and Planning Implementation Guide*.

The following table shows the interface table column details from AI Foundation in RDX used for the interface.

Interface Name: RSE_FCST_DEMAND_EXP

Table Column	Data Type	Comments
RUN_ID	Number(10)	The export Run ID as obtained from the RAP_INTF_UTIL.
CAL_HIER_LEVEL	Varchar2(30)	The calendar level data is for Fiscal Year, Fiscal Quarter, Fiscal Period, Fiscal Week, and Fiscal Day.
LOC_HIER_LEVEL	Varchar2(30)	The location hierarchy level data is for COMPANY, CHAIN, AREA, REGION, DISTRICT, LOCATION, and CHANNEL_COUNTRY.
PROD_HIER_LEVEL	Varchar2(30)	The product hierarchy level the data is for CMP, DIV, GRP, DEPT, CLS, SBC, STYLE, STYLE_COLOR, and SKU.
FCST_DATE_FROM	Date	The start date which the forecast is for.
LOC_EXT_KEY	Varchar2(80)	The external id of the location. It will use the integration ids as provided to RI (preferably the RMS id, and not an integration id such as AREA~123).
PROD_EXT_KEY	Varchar2(80)	The external id of the product hierarchy. It will use the integration ids as provided to RI (preferably the RMS id, and not an integration id such as CLS~123~456~789).
CUSTSEG_EXT_KEY	Varchar2(80)	The external id of the customer segment. It will be NULL if not applicable.
FCST_TYPE	Varchar2(20)	The type of forecast. PI, NPI (PI=Plan Influenced, PI = Non Plan Influenced)
REG_SLS_QTY	Number(38,20)	Regular Sales Units
REG_SLS_AMT	Number(38,20)	Regular Sales Amount
PR_SLS_QTY	Number(38,20)	Promo Sales Units
PR_SLS_AMT	Number(38,20)	Promo Sales Amount
CLR_SLS_QTY	Number(38,20)	Clearance Sales Units
CLR_SLS_AMT	Number(38,20)	Clearance Sales Amount
REG_PR_SLS_QTY	Number(38,20)	Regular and Promo Sales Units
REG_PR_SLS_AMT	Number(38,20)	Regular and Promo Sales Amount
SLS_QTY	Number(38,20)	Total Sales Units
SLS_AMT	Number(38,20)	Total Sales Amount
RET_QTY	Number(38,20)	Return Units
RET_AMT	Number(38,20)	Return Amount

The same Interface table contains the forecast data for different levels of plans differentiated by _LEVEL columns within the interface. The single interface run pulls data for different levels of forecasts which are pre-configured. Customers using non-template versions, if using different levels of plans, can use the supported levels in AI Foundation to generate forecasts. The following sections provide the default levels of forecasts exported for the MFPCS template version and their mappings.

Merch Plan Forecasts Mapping

The following table shows the mapping for pre-season and in-season Merch Plan Forecasts.

Table Column	Mapping for Pre-Season (MPP)	Mapping for In-Season (MPI)
CAL_HIER_LEVEL	Fiscal Week	Fiscal Week
LOC_HIER_LEVEL	CHANNEL_COUNTRY	CHANNEL_COUNTRY
PROD_HIER_LEVEL	SBC	SBC
FCST_DATE_FROM	WEEK	WEEK
LOC_EXT_KEY	CHNL	CHNL
PROD_EXT_KEY	SCLS	SCLS
CUSTSEG_EXT_KEY	NULL	NULL
FCST_TYPE	NPI	PI
CLR_SLS_QTY	MPWPDmdP2U	MPWPDmdI2U
CLR_SLS_AMT	MPWPDmdP2R	MPWPDmdI2R
REG_PR_SLS_QTY	MPWPDmdP1U	MPWPDmdI1U
REG_PR_SLS_AMT	MPWPDmdP1R	MPWPDmdI1R
RET_QTY	MPWPRtnPU	MPWPRtnIU
RET_AMT	MPWPRtnPR	MPWPRtnIR

Merch Target Plan Forecasts Mapping

The following table shows the mapping for pre-season and in-season Merch Target Plan Forecasts.

Table Column	Mapping for Pre-Season (MTP)	Mapping for In-Season (MTI)
CAL_HIER_LEVEL	Fiscal Week	Fiscal Week
LOC_HIER_LEVEL	CHANNEL_COUNTRY	CHANNEL_COUNTRY
PROD_HIER_LEVEL	DEPT	DEPT
FCST_DATE_FROM	WEEK	WEEK
LOC_EXT_KEY	CHNL	CHNL
PROD_EXT_KEY	DEPT	DEPT
CUSTSEG_EXT_KEY	NULL	NULL
FCST_TYPE	NPI	PI
CLR_SLS_QTY	MTWPDmdP2U	MTWPDmdI2U
CLR_SLS_AMT	MTWPDmdP2R	MTWPDmdI2R
REG_PR_SLS_QTY	MTWPDmdP1U	MTWPDmdI1U
REG_PR_SLS_AMT	MTWPDmdP1R	MTWPDmdI1R
RET_QTY	MTWPRtnPU	MTWPRtnIU

Table Column	Mapping for Pre-Season (MTP)	Mapping for In-Season (MTI)
RET_AMT	MTWPRtnPR	MTWPRtnIR

Location Plan Forecasts Mapping

The following table shows the mapping for pre-season and in-season Location Plan Forecasts.

Table Column	Mapping for Pre-Season (LPP)	Mapping for In-Season (LPI)
CAL_HIER_LEVEL	Fiscal Week	Fiscal Week
LOC_HIER_LEVEL	LOCATION	LOCATION
PROD_HIER_LEVEL	DEPT	DEPT
FCST_DATE_FROM	WEEK	WEEK
LOC_EXT_KEY	STOR	STOR
PROD_EXT_KEY	DEPT	DEPT
CUSTSEG_EXT_KEY	NULL	NULL
FCST_TYPE	NPI	PI
SLS_QTY	LPWPDmdP1U	LPWPDmdI1U
SLS_AMT	LPWPDmdP1R	LPWPDmdI1R
RET_QTY	LPWPRtnPU	LPWPRtnIU
RET_AMT	LPWPRtnPR	LPWPRtnIR

Location Target Plan Forecasts Mapping

The following table shows the mapping for pre-season and in-season Location Target Plan Forecasts.

Table Column	Mapping for Pre-Season (LTP)	Mapping for In-Season (LTI)
CAL_HIER_LEVEL	Fiscal Week	Fiscal Week
LOC_HIER_LEVEL	LOCATION	LOCATION
PROD_HIER_LEVEL	CMP	CMP
FCST_DATE_FROM	WEEK	WEEK
LOC_EXT_KEY	STOR	STOR
PROD_EXT_KEY	CMPP	CMPP
CUSTSEG_EXT_KEY	NULL	NULL
FCST_TYPE	NPI	PI
SLS_QTY	LTWPDmdP1U	LTWPDmdI1U
SLS_AMT	LTWPDmdP1R	LTWPDmdI1R
RET_QTY	LTWPRtnPU	LTWPRtnIU
RET_AMT	LTWPRtnPR	LTWPRtnIR

Portfolio Optimization Integration using a Web Service

Customers can create an Optimized Portfolio of their departments within their division or subclass within their departments. The Optimized Portfolio can also be interfaced to the MFP

GA with the Portfolio Optimization System in AIF by integration using web service requests. MFP GA uses portfolios created at the Merch Target and Merch Plan levels. It is interfaced, using the Get Portfolio Opt planning action, directly into relevant workspaces that are pre-configured to get the data from an integrated Portfolio Optimization system through internal web service calls using the standard RPAS web service framework.

The RPAS web service framework uses the configured serviceConfig.json file, which can be used to map the RPAS dimensions/measures that are used in workbook templates against the keys present in web service requests and responses for web services created within RAP; the same web service can be triggered using the custom menu from those templates. For more details about the mapping of serviceConfig.json, see the Service Config Definitions section in the Deployment Tool chapter in the *Oracle Retail Predictive Application Server Cloud Edition Configuration Tools User Guide*.

Following are the details of the configured web service with Portfolio Optimization for the MFP GA configuration:

MPO Service Name: rase/resources/portfolio/v1/MPOptExp

MFP Service Name: MT_MPOptExp

Service Version: rsp

Web Service Request Input Key Mappings

The following table shows the key fields present in the web service and the corresponding mapping measures in MFP GA.

Key Name	Level	Description	Planning Mapped Measure/ Dimension
requestID	User	Unique Request ID.	mtwsinitidt
prodLevel	User	Product Level can be DEPT, CLS, or SBC. MFP GA uses DEPT for Merch Target and SBC for Merch Plan.	mtwsprodlt
locLevel	User	Location Level can be COMPANY, PLANNING_CHANNEL, AREA, or LOCATION. MFP GA uses PLANNING_CHANNEL for Merch Target / Merch Plan.	mtwslocnlt
clndLevel	User	Calendar Level can be YEAR or QRTR. Only two are supported in MPO for now. MFP GA defaults to YEAR.	mtwsclndlt
prodScope	User	Optimization Product Scope Level can be CMP, DIV, GRP, or DEPT. It should be the level above prodLevel. For GA, it uses DIV in MT and DEPT in MP.	mtwsprodst
locScope	User	Optimization Location Scope Level. In this release, Location Scope is defaulted to the same Location level.	mtwslocnst
keyList	dept/chnl/ year	Collection for List of Product/Location/ Calendar key positions for which data is needed.	mtwsintidb
prodKey	dept/chnl/ year	Product Position ID (Department ID if Product Level is DEPT).	mtwsprodpt
locKey	dept/chnl/ year	Location Position ID (Channel ID if Location Level is PLANNING_CHANNEL).	mtwslocnpt

Key Name	Level	Description	Planning Mapped Measure/ Dimension
clndKey	dept/chnl/ year	Calendar Position ID (YEAR ID if Calendar Level is YEAR).	mtwsclndpt
startDate	dept/chnl/ year	Calendar Position Start Date.	mtwsfdopt

Web Service Response Output Key Mappings

Key Name	Level	Description	Planning Mapped Measure/ Dimension
MPOptExpHeader	User	Collection for the Main Request Response Header.	
responseCode	User	Header Level Response Code.	mtwsrspht
responseCodeMessage	User	Header Level Response Message.	mtwsrsphl
MPOptExpDetail	User	Collection for the Main Request Response Details.	
requestID	User	Same *requestID* provided in the input request.	mtwsintidt
keyList	User	Collection for the List of Products/Store Cluster.	
prodKey	dept/chnl/ year	Same Product ID provided in the input request.	dept
locKey	dept/chnl/ year	Same Location ID provided in the input request.	chnc
cldnKey	dept/chnl/ year	Same Calendar key provided in the input request.	year
optNSlsAmt	dept/chnl/ year	Optimized Net Sales Amount.	mtwsnslsr
optGSlsAmt	dept/chnl/ year	Optimized Gross Sales Amount.	mtwsslsr
keyRespCode	dept/chnl/ year	Optional Response Code at Key Level.	mtwsrspdt
keyRespMsg	dept/chnl/ year	Optional Response Message at Key Level.	mtwsrspdl

> **Note**
>
> The mapping in the above table only shows the mapping of web service calls from the Merch Target template at the dept/chnl/year level with the name MT_MPOPExp and uses measures with the prefix mtws. Another similar mapping is also configured with the name MP_MPOPExp at the scls/chnl/year level and uses measures with the prefix mpws.

On successful connection using a web service call, an Admin task with the name *<service_name> from workbook <workbook_name>* will be available in OAT. It shows the calls triggered from the template with the details of contents in the web service request and

response in JSON format. Following is a sample request and response triggered from the Merch Target workbook for a successful call. The same OAT log can be used to debug any issues during the transfer of data using web service calls if the response has any errors due to any issues.

Sample Web Service Request Call

```
{
   "requestID":"user_20250129104035",
   "prodLevel":"DEPT",
   "locLevel":"PLANNING_CHANNEL",
   "clndLevel":"YEAR",
   "prodScope":"DIV",
   "locScope":"PLANNING_CHANNEL"
   "keyList":[
      {
         "prodKey":"100",
         "locKey" : "1",
         "clndKey" : "2025",
         "startDate" : "20250101"
      },
      {
         "prodKey":"100",
         "locKey" : "2",
         "clndKey" : "2025",
          "startDate" : "20250101"
      }
   ]
}
```

Sample Web Service Response Call

```
{
   "MPOptExpHeader": {
      "responseCode": "100",
      "responseCodeMessage": "Optimization Data returned Successfully"
   },
   "MPOptExpDetail": [
      {
        "requestID": "user_20250129104035",
        "keyList":[
         {
          "prodKey":"100",
          "locKey" : "1",
          "clndKey" : "2025",
          "optNSlsAmt" : "10000.00",
          "optGSlsAmt" : "12000.00",
          "keyRespCode" : "",
          "keyRespMsg" : ""
        },
        {
         "prodKey":"100",
         "locKey" : "2",
         "clndKey" : "2025",
         "optNSlsAmt" : "12000.00",
         "optGSlsAmt" : "14000.00",
         "keyRespCode" : "",
         "keyRespMsg" : ""
         }
      ]
   }
```

```
 ]
}
```

Implementation Steps with RAP Integration

If RAP integration is enabled in the environment (that is, if the customer is going to get data from RMFCS using RDX integration), follow these steps for implementation. The steps assume that RPAS, RASL, UI, and RDX are already deployed:

1. Run the Batch Process in RAP in Retail Insights (RI) to load the required initial data into the RDX staging tables.
2. Upload any application-specific hierarchy files and data files that are not coming from RDX into Object Storage.
3. Once the MFP Cloud Service environment is provisioned, use the bootstrap Build Application task to build the application and use the batch task as set_rdx to just set the Enable RDX Boolean before the initial batch, or run **post_hier** to enable the RDX Boolean and load/import only the hierarchy files, or run **postbuild_rdx** to enable the RDX and to load/import initial hierarchy and data files and also run the initial batch. Batch step post_hier can also be run from OAT, to enable the RDX and load the available hierarchy files after building the domain. Use **postbuild** only if planning to load and use only the GA data set.
4. Schedule the regular weekly flow in the RI, AIF, and Planning applications in JOS/POM to interface the initial data into the application to get data from both RDX and Object Storage.

> **Note**
>
> At least post_hier or postbuild_rdx should be run once with at least the calendar hierarchy file before trying to run weekly batch using JOS/POM.

A

Appendix: Exports

The tables in this appendix list the measures for the MFP Cloud Service exports.

MFP Cloud Service provides standard exports of multiple versions of approved and working plan data for all major workbook templates Merch Target, Merch Plan, Location Target, and Location Plan. Exported approved plans (Current Plan and Original Plan) data can be used by a retailer to interface with any other applications for reporting purposes or as input to other systems that need MFP Plan data. All exported files are in CSV format. All standard exports are copied to the Object Storage location from where the customer can download them.

For more information related to extracted measures, the approval process, and the administration process related to export, see the *Oracle Retail Merchandise Financial Planning Retail Cloud Service User Guide* and *Oracle Retail Merchandise Financial Planning Cost Cloud Service User Guide*

MFP Cloud Service Exports

This section lists the measures for the MFP Cloud Service exports. To standardize the exports between the MFP Retail and MFP Cost versions, the exported file format remains the same for both MFP Retail and MFP Cost versions. If a measure is not planned/used in MFP Retail or MFP Cost, that data will be exported as zero. The Retail/Cost column in the following table specifies in which version that measure is planned or used.

MFP Cloud Service Merch Plan - Current Plan Export

Export Version Name: Merch Plan - Current Plan

Export Version: mpcp

Export Mask Measure: MP Cp Export

Exported File: export_mpcp.dat

Table A-1 MFP Cloud Service Merch Plan - Current Plan Export Measures

Measure	Measure Label	Data Type	Aggregation Type	Retail/Cost
week	Week			
scls	Subclass			
chnc	Channel			
mpcpbop1u	Cp BOP Reg+Promo U	real	pst	Retail/Cost
mpcpbop1r	Cp BOP Reg+Promo R	real	pst	Retail
mpcpbop1c	Cp BOP Reg+Promo C	real	pst	Cost
mpcpbop2u	Cp BOP Clr U	real	pst	Retail/Cost
mpcpbop2r	Cp BOP Clr R	real	pst	Retail
mpcpbop2c	Cp BOP Clr C	real	pst	Cost

Table A-1 (Cont.) MFP Cloud Service Merch Plan - Current Plan Export Measures

Measure	Measure Label	Data Type	Aggregation Type	Retail/Cost
mpcpbopu	Cp BOP U	real	pst	Retail/Cost
mpcpbopr	Cp BOP R	real	pst	Retail
mpcpbopc	Cp BOP C	real	pst	Retail/Cost
mpcpconsinvr	Cp Cons Inv R	real	total	Retail
mpcpconsinvc	Cp Cons Inv C	real	total	Cost
mpcpeop1u	Cp EOP Reg+Promo U	real	pet	Retail/Cost
mpcpeop1r	Cp EOP Reg+Promo R	real	pet	Retail
mpcpeop1c	Cp EOP Reg+Promo C	real	pet	Cost
mpcpeop2u	Cp EOP Clr U	real	pet	Retail/Cost
mpcpeop2r	Cp EOP Clr R	real	pet	Retail
mpcpeop2c	Cp EOP Clr C	real	pet	Cost
mpcpeopu	Cp EOP U	real	pet	Retail/Cost
mpcpeopr	Cp EOP R	real	pet	Retail
mpcpeopc	Cp EOP C	real	pet	Retail/Cost
mpcpgmr	Cp GM R	real	total	Retail/Cost
mpcpinvadju	Cp Inv Adj U	real	total	Retail/Cost
mpcpinvadjr	Cp Inv Adj R	real	total	Retail
mpcpinvadjc	Cp Inv Adj C	real	total	Cost
mpcpmiscadju	Cp Misc Adj U	real	total	Retail/Cost
mpcpmiscadjr	Cp Misc Adj R	real	total	Retail
mpcpmiscadjc	Cp Misc Adj c	real	total	Cost
mpcpmkd1r	Cp Markdown POS Reg+Promo R	real	total	Retail/Cost
mpcpmkd2r	Cp Markdown POS Clr R	real	total	Retail/Cost
mpcpmkdr	Cp Markdown POS R	real	total	Retail/Cost
mpcpmkdwfr	Cp Markdown POS due to W/F R	real	total	Retail/Cost
mpcpinvdv1r	Cp Markdown POS Perm Reg+Promo R	real	total	Retail
mpcpinvdv2r	Cp Markdown POS Perm Clr R	real	total	Retail
mpcpinvdvr	Cp Markdown POS Perm R	real	total	Retail
mpcpmocu	Cp Move to Clr U	real	total	Retail/Cost
mpcpmocr	Cp Move to Clr R	real	total	Retail
mpcpmocc	Cp Move to Clr C	real	total	Cost
mpcpmosu	Cp MOS U	real	total	Retail/Cost
mpcpmosr	Cp MOS R	real	total	Retail
mpcpmosc	Cp MOS C	real	total	Retail/Cost
mpcpngmr	Cp Net GM R	real	total	Retail/Cost

Table A-1 (Cont.) MFP Cloud Service Merch Plan - Current Plan Export Measures

Measure	Measure Label	Data Type	Aggregation Type	Retail/Cost
mpcpnsls1u	Cp Net Sales Reg+Promo U	real	total	Retail/Cost
mpcpnsls1r	Cp Net Sales Reg+Promo R	real	total	Retail/Cost
mpcpnsls2u	Cp Net Sales Clr U	real	total	Retail/Cost
mpcpnsls2r	Cp Net Sales Clr R	real	total	Retail/Cost
mpcpnslsu	Cp Net Sales U	real	total	Retail/Cost
mpcpnslsr	Cp Net Sales R	real	total	Retail/Cost
mpcpnslsc	Cp Net Sales C	real	total	Cost
mpcprcptu	Cp Receipts U	real	total	Retail/Cost
mpcprcptr	Cp Receipts R	real	total	Retail/Cost
mpcprcptc	Cp Receipts C	real	total	Retail/Cost
mpcproyalr	Cp Royalties R	real	total	Retail/Cost
mpcprtn1u	Cp Returns Reg+Promo U	real	total	Retail/Cost
mpcprtn1r	Cp Returns Reg+Promo R	real	total	Retail/Cost
mpcprtn2u	Cp Returns Clr U	real	total	Retail/Cost
mpcprtn2r	Cp Returns Clr R	real	total	Retail/Cost
mpcprtnu	Cp Returns U	real	total	Retail/Cost
mpcprtnr	Cp Returns R	real	total	Retail/Cost
mpcpshrku	Cp Shrink U	real	total	Retail/Cost
mpcpshrkr	Cp Shrink R	real	total	Retail
mpcpshrkc	Cp Shrink C	real	total	Retail/Cost
mpcpsls1u	Cp Sales Reg+Promo U	real	total	Retail/Cost
mpcpsls1r	Cp Sales Reg+Promo R	real	total	Retail/Cost
mpcpsls2u	Cp Sales Clr U	real	total	Retail/Cost
mpcpsls2r	Cp Sales Clr R	real	total	Retail/Cost
mpcpslscmpr	Cp Comp Sales R	real	total	Retail/Cost
mpcpslsncpr	Cp Non-Comp Sales R	real	total	Retail/Cost
mpcpslsu	Cp Sales U	real	total	Retail/Cost
mpcpslsr	Cp Sales R	real	total	Retail/Cost
mpcpslsc	Cp Sales C	real	total	Retail/Cost
mpcpvndfndr	Cp Vendor Funds R	real	total	Retail/Cost
mpcpwfmkdr	Cp W/F Markdown POS R	real	total	Retail/Cost
mpcpwfmkur	Cp W/F Markup R	real	total	Retail/Cost

MFP Cloud Service Merch Plan - Original Plan Export

Export Version Name: Merch Plan - Original Plan

Export Version: mpop

Export Mask Measure: MP Op Export

Exported File: export_mpop.dat

Table A-2 MFP Cloud Service Merch Plan - Original Plan Export Measures

Measure	Measure Label	Data Type	Aggregation Type	Retail/Cost
week	Week			
scls	Subclass			
chnc	Channel			
mpopbop1u	Op BOP Reg+Promo U	real	pst	Retail/Cost
mpopbop1r	Op BOP Reg+Promo R	real	pst	Retail
mpopbop1c	Op BOP Reg+Promo C	real	pst	Cost
mpopbop2u	Op BOP Clr U	real	pst	Retail/Cost
mpopbop2r	Op BOP Clr R	real	pst	Retail
mpopbop2c	Op BOP Clr C	real	pst	Cost
mpopbopu	Op BOP U	real	pst	Retail/Cost
mpopbopr	Op BOP R	real	pst	Retail
mpopbopc	Op BOP C	real	pst	Retail/Cost
mpopconsinvr	Op Cons Inv R	real	total	Retail
mpopconsinvc	Op Cons Inv C	real	total	Cost
mpopeop1u	Op EOP Reg+Promo U	real	pet	Retail/Cost
mpopeop1r	Op EOP Reg+Promo R	real	pet	Retail
mpopeop1c	Op EOP Reg+Promo C	real	pet	Cost
mpopeop2u	Op EOP Clr U	real	pet	Retail/Cost
mpopeop2r	Op EOP Clr R	real	pet	Retail
mpopeop2c	Op EOP Clr C	real	pet	Cost
mpopeopu	Op EOP U	real	pet	Retail/Cost
mpopeopr	Op EOP R	real	pet	Retail
mpopeopc	Op EOP C	real	pet	Retail/Cost
mpopgmr	Op GM R	real	total	Retail/Cost
mpopinvadju	Op Inv Adj U	real	total	Retail/Cost
mpopinvadjr	Op Inv Adj R	real	total	Retail
mpopinvadjc	Op Inv Adj C	real	total	Cost
mpopmiscadju	Op Misc Adj U	real	total	Retail/Cost
mpopmiscadjr	Op Misc Adj R	real	total	Retail
mpopmiscadjc	Op Misc Adj C	real	total	Cost
mpopmkd1r	Op Markdown POS Reg+Promo R	real	total	Retail/Cost
mpopmkd2r	Op Markdown POS Clr R	real	total	Retail/Cost
mpopmkdr	Op Markdown POS R	real	total	Retail/Cost
mpopmkdwfr	Op Markdown POS due to W/F R	real	total	Retail/Cost

Table A-2 (Cont.) MFP Cloud Service Merch Plan - Original Plan Export Measures

Measure	Measure Label	Data Type	Aggregation Type	Retail/Cost
mpopinvdv1r	Op Markdown Perm Reg+Promo R	real	total	Retail
mpopinvdv2r	Op Markdown Perm Clr R	real	total	Retail
mpopinvdvr	Op Markdown Perm R	real	total	Retail
mpopmocu	Op Move to Clr U	real	total	Retail/Cost
mpopmocr	Op Move to Clr R	real	total	Retail
mpopmocc	Op Move to Clr C	real	total	Cost
mpopmosu	Op MOS U	real	total	Retail/Cost
mpopmosr	Op MOS R	real	total	Retail
mpopmosc	Op MOS C	real	total	Retail/Cost
mpopngmr	Op Net GM R	real	total	Retail/Cost
mpopnsls1u	Op Net Sales Reg+Promo U	real	total	Retail/Cost
mpopnsls1r	Op Net Sales Reg+Promo R	real	total	Retail/Cost
mpopnsls2u	Op Net Sales Clr U	real	total	Retail/Cost
mpopnsls2r	Op Net Sales Clr R	real	total	Retail/Cost
mpopnslsu	Op Net Sales U	real	total	Retail/Cost
mpopnslsr	Op Net Sales R	real	total	Retail/Cost
mpopnslsc	Op Net Sales C	real	total	Retail/Cost
mpoprcptu	Op Receipts U	real	total	Retail/Cost
mpoprcptr	Op Receipts R	real	total	Retail/Cost
mpoprcptc	Op Receipts C	real	total	Retail
mpoproyalr	Op Royalties R	real	total	Retail/Cost
mpoprtn1u	Op Returns Reg+Promo U	real	total	Retail/Cost
mpoprtn1r	Op Returns Reg+Promo R	real	total	Retail/Cost
mpoprtn2u	Op Returns Clr U	real	total	Retail/Cost
mpoprtn2r	Op Returns Clr R	real	total	Retail/Cost
mpoprtnu	Op Returns U	real	total	Retail/Cost
mpoprtnr	Op Returns R	real	total	Retail/Cost
mpopshrku	Op Shrink U	real	total	Retail/Cost
mpopshrkr	Op Shrink R	real	total	Retail
mpopshrkc	Op Shrink C	real	total	Retail/Cost
mpopsls1u	Op Sales Reg+Promo U	real	total	Retail/Cost
mpopsls1r	Op Sales Reg+Promo R	real	total	Retail/Cost
mpopsls2u	Op Sales Clr U	real	total	Retail/Cost
mpopsls2r	Op Sales Clr R	real	total	Retail/Cost
mpopslscmpr	Op Comp Sales R	real	total	Retail/Cost
mpopslsncpr	Op Non-Comp Sales R	real	total	Retail/Cost
mpopslsu	Op Sales U	real	total	Retail/Cost

Table A-2 (Cont.) MFP Cloud Service Merch Plan - Original Plan Export Measures

Measure	Measure Label	Data Type	Aggregation Type	Retail/Cost
mpopslsr	Op Sales R	real	total	Retail/Cost
mpopslsc	Op Sales C	real	total	Retail/Cost
mpopvndfndr	Op Vendor Funds R	real	total	Retail/Cost
mpopwfmkdr	Op W/F Markdown POS R	real	total	Retail/Cost
mpopwfmkur	Op W/F Markup R	real	total	Retail/Cost

MFP Cloud Service Merch Plan - Submitted Plan Export

Export Version Name: Merch Plan - Submitted Plan

Export Version: mpwa

Export Mask Measure: MP Wa Export

Exported File: export_mpwa.dat

Table A-3 MFP Cloud Service Merch Plan - Submitted Plan Export Measures

Measure	Measure Label	Data Type	Aggregation Type	Retail/Cost
week	Week			
scls	Subclass			
chnc	Channel			
mpwabop1u	Wa BOP Reg+Promo U	real	pst	Retail/Cost
mpwabop1r	Wa BOP Reg+Promo R	real	pst	Retail
mpwabop1c	Wa BOP Reg+Promo C	real	pst	Cost
mpwabop2u	Wa BOP Clr U	real	pst	Retail/Cost
mpwabop2r	Wa BOP Clr R	real	pst	Retail
mpwabop2c	Wa BOP Clr C	real	pst	Cost
mpwabopu	Wa BOP U	real	pst	Retail/Cost
mpwabopr	Wa BOP R	real	pst	Retail
mpwabopc	Wa BOP C	real	pst	Retail/Cost
mpwaconsinvr	Wa Cons Inv R	real	total	Retail/Cost
mpwaconsinvc	Wa Cons Inv C	real	total	Cost
mpwaeop1u	Wa EOP Reg+Promo U	real	pet	Retail/Cost
mpwaeop1r	Wa EOP Reg+Promo R	real	pet	Retail
mpwaeop1c	Wa EOP Reg+Promo C	real	pet	Cost
mpwaeop2u	Wa EOP Clr U	real	pet	Retail/Cost
mpwaeop2r	Wa EOP Clr R	real	pet	Retail
mpwaeop2c	Wa EOP Clr C	real	pet	Cost
mpwaeopu	Wa EOP U	real	pet	Retail/Cost

Table A-3 (Cont.) MFP Cloud Service Merch Plan - Submitted Plan Export Measures

Measure	Measure Label	Data Type	Aggregation Type	Retail/Cost
mpwaeopr	Wa EOP R	real	pet	Cost
mpwaeopc	Wa EOP C	real	pet	Retail/Cost
mpwagmr	Wa GM R	real	total	Retail/Cost
mpwainvadju	Wa Inv Adj U	real	total	Retail/Cost
mpwainvadjr	Wa Inv Adj R	real	total	Retail
mpwainvadjc	Wa Inv Adj C	real	total	Cost
mpwamiscadju	Wa Misc Adj U	real	total	Retail/Cost
mpwamiscadjr	Wa Misc Adj R	real	total	Retail
mpwamiscadjc	Wa Misc Adj C	real	total	Cost
mpwamkd1r	Wa Markdown POS Reg+Promo R	real	total	Retail/Cost
mpwamkd2r	Wa Markdown POS Clr R	real	total	Retail/Cost
mpwamkdr	Wa Markdown POS R	real	total	Retail/Cost
mpwamkdwfr	Wa Markdown POS due to W/F R	real	total	Retail/Cost
mpwainvdv1r	Wa Markdown Perm Reg+Promo R	real	total	Retail
mpwainvdv2r	Wa Markdown Perm Clr R	real	total	Retail
mpwainvdvr	Wa Markdown Perm R	real	total	Retail
mpwamocu	Wa Move to Clr U	real	total	Retail/Cost
mpwamocr	Wa Move to Clr R	real	total	Retail
mpwamocc	Wa Move to Clr C	real	total	Cost
mpwamosu	Wa MOS U	real	total	Retail/Cost
mpwamosr	Wa MOS R	real	total	Retail
mpwamosc	Wa MOS C	real	total	Retail/Cost
mpwangmr	Wa Net GM R	real	total	Retail/Cost
mpwansls1u	Wa Net Sales Reg+Promo U	real	total	Retail/Cost
mpwansls1r	Wa Net Sales Reg+Promo R	real	total	Retail/Cost
mpwansls2u	Wa Net Sales Clr U	real	total	Retail/Cost
mpwansls2r	Wa Net Sales Clr R	real	total	Retail/Cost
mpwanslsu	Wa Net Sales U	real	total	Retail/Cost
mpwanslsr	Wa Net Sales R	real	total	Retail/Cost
mpwanslsc	Wa Net Sales C	real	total	Cost
mpwarcptu	Wa Receipts U	real	total	Retail/Cost
mpwarcptr	Wa Receipts R	real	total	Retail/Cost
mpwarcptc	Wa Receipts C	real	total	Retail/Cost
mpwaroyalr	Wa Royalties R	real	total	Retail/Cost
mpwartn1u	Wa Returns Reg+Promo U	real	total	Retail/Cost
mpwartn1r	Wa Returns Reg+Promo R	real	total	Retail/Cost

Table A-3 (Cont.) MFP Cloud Service Merch Plan - Submitted Plan Export Measures

Measure	Measure Label	Data Type	Aggregation Type	Retail/Cost
mpwartn2u	Wa Returns Clr U	real	total	Retail/Cost
mpwartn2r	Wa Returns Clr R	real	total	Retail/Cost
mpwartnu	Wa Returns U	real	total	Retail/Cost
mpwartnr	Wa Returns R	real	total	Retail/Cost
mpwashrku	Wa Shrink U	real	total	Retail/Cost
mpwashrkr	Wa Shrink R	real	total	Retail
mpwashrkc	Wa Shrink C	real	total	Retail/Cost
mpwasls1u	Wa Sales Reg+Promo U	real	total	Retail/Cost
mpwasls1r	Wa Sales Reg+Promo R	real	total	Retail/Cost
mpwasls2u	Wa Sales Clr U	real	total	Retail/Cost
mpwasls2r	Wa Sales Clr R	real	total	Retail/Cost
mpwaslscmpr	Wa Comp Sales R	real	total	Retail/Cost
mpwaslsncpr	Wa Non-Comp Sales R	real	total	Retail/Cost
mpwaslsu	Wa Sales U	real	total	Retail/Cost
mpwaslsr	Wa Sales R	real	total	Retail/Cost
mpwaslsc	Wa Sales C	real	total	Retail/Cost
mpwavndfndr	Wa Vendor Funds R	real	total	Retail/Cost
mpwawfmkdr	Wa W/F Markdown POS R	real	total	Retail/Cost
mpwawfmkur	Wa W/F Markup R	real	total	Retail/Cost

MFP Cloud Service Merch Plan - Working Plan Export

Export Version Name: Merch Plan - Working Plan

Export Version: mpwp

Export Mask Measure: MP Wp Export

Exported File: export_mpwp.dat

Table A-4 MFP Cloud Service Merch Plan - Working Plan Export Measures

Measure	Measure Label	Data Type	Aggregation Type	Retail/Cost
week	Week			
scls	Subclass			
chnc	Channel			
mpwpbop1u	Wp BOP Reg+Promo U	real	pst	Retail/Cost
mpwpbop1r	Wp BOP Reg+Promo R	real	pst	Retail
mpwpbop1c	Wp BOP Reg+Promo C	real	pst	Cost
mpwpbop2u	Wp BOP Clr U	real	pst	Retail/Cost

Table A-4 (Cont.) MFP Cloud Service Merch Plan - Working Plan Export Measures

Measure	Measure Label	Data Type	Aggregation Type	Retail/Cost
mpwpbop2r	Wp BOP Clr R	real	pst	Retail
mpwpbop2c	Wp BOP Clr C	real	pst	Cost
mpwpbopu	Wp BOP U	real	pst	Retail/Cost
mpwpbopr	Wp BOP R	real	pst	Retail
mpwpbopc	Wp BOP C	real	pst	Retail/Cost
mpwpconsinvr	Wp Cons Inv R	real	total	Retail
mpwpconsinvc	Wp Cons Inv C	real	total	Cost
mpwpeop1u	Wp EOP Reg+Promo U	real	pet	Retail/Cost
mpwpeop1r	Wp EOP Reg+Promo R	real	pet	Retail
mpwpeop1c	Wp EOP Reg+Promo C	real	pet	Cost
mpwpeop2u	Wp EOP Clr U	real	pet	Retail/Cost
mpwpeop2r	Wp EOP Clr R	real	pet	Retail
mpwpeop2c	Wp EOP Clr C	real	pet	Cost
mpwpeopu	Wp EOP U	real	pet	Retail/Cost
mpwpeopr	Wp EOP R	real	pet	Retail
mpwpeopc	Wp EOP C	real	pet	Retail/Cost
mpwpgmr	Wp GM R	real	total	Retail/Cost
mpwpinvadju	Wp Inv Adj U	real	total	Retail/Cost
mpwpinvadjr	Wp Inv Adj R	real	total	Retail
mpwpinvadjc	Wp Inv Adj C	real	total	Cost
mpwpmiscadju	Wp Misc Adj U	real	total	Retail/Cost
mpwpmiscadjr	Wp Misc Adj R	real	total	Retail
mpwpmiscadjc	Wp Misc Adj C	real	total	Cost
mpwpmkd1r	Wp Markdown POS Reg+Promo R	real	total	Retail/Cost
mpwpmkd2r	Wp Markdown POS Clr R	real	total	Retail/Cost
mpwpmkdr	Wp Markdown POS R	real	total	Retail/Cost
mpwpmkdwfr	Wp Markdown POS due to W/F R	real	total	Retail/Cost
mpwpinvdv1r	Wp Markdown Perm Reg+Promo R	real	total	Retail
mpwpinvdv2r	Wp Markdown Perm Clr R	real	total	Retail
mpwpinvdvr	Wp Markdown Perm R	real	total	Retail
mpwpmocu	Wp Move to Clr U	real	total	Retail/Cost
mpwpmocr	Wp Move to Clr R	real	total	Retail
mpwpmocc	Wp Move to Clr C	real	total	Cost
mpwpmosu	Wp MOS U	real	total	Retail/Cost
mpwpmosr	Wp MOS R	real	total	Retail
mpwpmosc	Wp MOS C	real	total	Retail/Cost

Table A-4 (Cont.) MFP Cloud Service Merch Plan - Working Plan Export Measures

Measure	Measure Label	Data Type	Aggregation Type	Retail/Cost
mpwpngmr	Wp Net GM R	real	total	Retail/Cost
mpwpnsls1u	Wp Net Sales Reg+Promo U	real	total	Retail/Cost
mpwpnsls1r	Wp Net Sales Reg+Promo R	real	total	Retail/Cost
mpwpnsls2u	Wp Net Sales Clr U	real	total	Retail/Cost
mpwpnsls2r	Wp Net Sales Clr R	real	total	Retail/Cost
mpwpnslsu	Wp Net Sales U	real	total	Retail/Cost
mpwpnslsr	Wp Net Sales R	real	total	Retail/Cost
mpwpnslsc	Wp Net Sales C	real	total	Cost
mpwprcptu	Wp Receipts U	real	total	Retail/Cost
mpwprcptr	Wp Receipts R	real	total	Retail/Cost
mpwprcptc	Wp Receipts C	real	total	Retail/Cost
mpwproyalr	Wp Royalties R	real	total	Retail/Cost
mpwprtn1u	Wp Returns Reg+Promo U	real	total	Retail/Cost
mpwprtn1r	Wp Returns Reg+Promo R	real	total	Retail/Cost
mpwprtn2u	Wp Returns Clr U	real	total	Retail/Cost
mpwprtn2r	Wp Returns Clr R	real	total	Retail/Cost
mpwprtnu	Wp Returns U	real	total	Retail/Cost
mpwprtnr	Wp Returns R	real	total	Retail/Cost
mpwpshrku	Wp Shrink U	real	total	Retail/Cost
mpwpshrkr	Wp Shrink R	real	total	Retail
mpwpshrkc	Wp Shrink C	real	total	Retail/Cost
mpwpsls1u	Wp Sales Reg+Promo U	real	total	Retail/Cost
mpwpsls1r	Wp Sales Reg+Promo R	real	total	Retail/Cost
mpwpsls2u	Wp Sales Clr U	real	total	Retail/Cost
mpwpsls2r	Wp Sales Clr R	real	total	Retail/Cost
mpwpslscmpr	Wp Comp Sales R	real	total	Retail/Cost
mpwpslsncpr	Wp Non-Comp Sales R	real	total	Retail/Cost
mpwpslsu	Wp Sales U	real	total	Retail/Cost
mpwpslsr	Wp Sales R	real	total	Retail/Cost
mpwpslsc	Wp Sales C	real	total	Retail/Cost
mpwpvndfndr	Wp Vendor Funds R	real	total	Retail/Cost
mpwpwfmkdr	Wp W/F Markdown POS R	real	total	Retail/Cost
mpwpwfmkur	Wp W/F Markup R	real	total	Retail/Cost
mpwpooadju	Wp On Order Adj U	real	total	Retail/Cost
mpwpooadjr	Wp On Order Adj R	real	total	Retail
mpwpooadjc	Wp On Order Adj C	real	total	Retail/Cost
mpwpoou	Wp On Order U	real	total	Retail/Cost
mpwpoor	Wp On Order R	real	total	Retail

Table A-4 (Cont.) MFP Cloud Service Merch Plan - Working Plan Export Measures

Measure	Measure Label	Data Type	Aggregation Type	Retail/Cost
mpwpooc	Wp On Order C	real	total	Retail/Cost

MFP Cloud Service Merch Target - Target Plan Export

Export Version Name: Merch Target - Target Plan

Export Version: mttg

Export Mask Measure: MT Tgt Export

Exported File: export_mttg.dat

Table A-5 MFP Cloud Service Merch Target - Target Plan Export Measures

Measure	Measure Label	Data Type	Aggregation Type	Retail/Cost
week	Week			
dept	Department			
chnc	Channel			
mttgbop1u	Tgt BOP Reg+Promo U	real	pst	Retail/Cost
mttgbop1r	Tgt BOP Reg+Promo R	real	pst	Retail
mttgbop1c	Tgt BOP Reg+Promo C	real	pst	Cost
mttgbop2u	Tgt BOP Clr U	real	pst	Retail/Cost
mttgbop2r	Tgt BOP Clr R	real	pst	Retail
mttgbop2c	Tgt BOP Clr C	real	pst	Cost
mttgbopu	Tgt BOP U	real	pst	Retail/Cost
mttgbopr	Tgt BOP R	real	pst	Retail
mttgbopc	Tgt BOP C	real	pst	Retail/Cost
mttgconsinvr	Tgt Cons Inv R	real	total	Retail
mttgconsinvc	Tgt Cons Inv C	real	total	Cost
mttgeop1u	Tgt EOP Reg+Promo U	real	pet	Retail/Cost
mttgeop1r	Tgt EOP Reg+Promo R	real	pet	Retail
mttgeop1c	Tgt EOP Reg+Promo C	real	pet	Cost
mttgeop2u	Tgt EOP Clr U	real	pet	Retail/Cost
mttgeop2r	Tgt EOP Clr R	real	pet	Retail
mttgeop2c	Tgt EOP Clr C	real	pet	Cost
mttgeopu	Tgt EOP U	real	pet	Retail/Cost
mttgeopr	Tgt EOP R	real	pet	Retail
mttgeopc	Tgt EOP C	real	pet	Retail/Cost
mttggmr	Tgt GM R	real	total	Retail/Cost
mttginvadju	Tgt Inv Adj U	real	total	Retail/Cost

Table A-5 (Cont.) MFP Cloud Service Merch Target - Target Plan Export Measures

Measure	Measure Label	Data Type	Aggregation Type	Retail/Cost
mttginvadjr	Tgt Inv Adj R	real	total	Retail
mttginvadjc	Tgt Inv Adj C	real	total	Cost
mttgmiscadju	Tgt Misc Adj U	real	total	Retail/Cost
mttgmiscadjr	Tgt Misc Adj R	real	total	Retail
mttgmiscadjc	Tgt Misc Adj C	real	total	Cost
mttgmkd1r	Tgt Markdown POS Reg+Promo R	real	total	Retail/Cost
mttgmkd2r	Tgt Markdown POS Clr R	real	total	Retail/Cost
mttgmkdr	Tgt Markdown POS R	real	total	Retail/Cost
mttgmkdwfr	Tgt Markdown POS due to W/F R	real	total	Retail/Cost
mttginvdv1r	Tgt Markdown Perm Reg+Promo R	real	total	Retail
mttginvdv2r	Tgt Markdown Perm Clr R	real	total	Retail
mttginvdvr	Tgt Markdown Perm R	real	total	Retail
mttgmocu	Tgt Move to Clr U	real	total	Retail/Cost
mttgmocr	Tgt Move to Clr R	real	total	Retail
mttgmocc	Tgt Move to Clr C	real	total	Cost
mttgmosu	Tgt MOS U	real	total	Retail/Cost
mttgmosr	Tgt MOS R	real	total	Retail
mttgmosc	Tgt MOS C	real	total	Retail/Cost
mttgngmr	Tgt Net GM R	real	total	Retail/Cost
mttgnsls1u	Tgt Net Sales Reg+Promo U	real	total	Retail/Cost
mttgnsls1r	Tgt Net Sales Reg+Promo R	real	total	Retail/Cost
mttgnsls2u	Tgt Net Sales Clr U	real	total	Retail/Cost
mttgnsls2r	Tgt Net Sales Clr R	real	total	Retail/Cost
mttgnslsu	Tgt Net Sales U	real	total	Retail/Cost
mttgnslsr	Tgt Net Sales R	real	total	Retail/Cost
mttgnslsc	Tgt Net Sales C	real	total	Cost
mttgrcptu	Tgt Receipts U	real	total	Retail/Cost
mttgrcptr	Tgt Receipts R	real	total	Retail/Cost
mttgrcptc	Tgt Receipts C	real	total	Retail/Cost
mttgroyalr	Tgt Royalties R	real	total	Retail/Cost
mttgrtn1u	Tgt Returns Reg+Promo U	real	total	Retail/Cost
mttgrtn1r	Tgt Returns Reg+Promo R	real	total	Retail/Cost
mttgrtn2u	Tgt Returns Clr U	real	total	Retail/Cost
mttgrtn2r	Tgt Returns Clr R	real	total	Retail/Cost
mttgrtnu	Tgt Returns U	real	total	Retail/Cost
mttgrtnr	Tgt Returns R	real	total	Retail/Cost

Table A-5 (Cont.) MFP Cloud Service Merch Target - Target Plan Export Measures

Measure	Measure Label	Data Type	Aggregation Type	Retail/Cost
mttgshrku	Tgt Shrink U	real	total	Retail/Cost
mttgshrkr	Tgt Shrink R	real	total	Retail
mttgshrkc	Tgt Shrink C	real	total	Retail/Cost
mttgsls1u	Tgt Sales Reg+Promo U	real	total	Retail/Cost
mttgsls1r	Tgt Sales Reg+Promo R	real	total	Retail/Cost
mttgsls2u	Tgt Sales Clr U	real	total	Retail/Cost
mttgsls2r	Tgt Sales Clr R	real	total	Retail/Cost
mttgslsu	Tgt Sales U	real	total	Retail/Cost
mttgslsr	Tgt Sales R	real	total	Retail/Cost
mttgslsc	Tgt Sales C	real	total	Retail/Cost
mttgslscmpr	Tgt Comp Sales R	real	total	Retail/Cost
mttgslsncpr	Tgt Non-Comp Sales R	real	total	Retail/Cost
mttgvndfndr	Tgt Vendor Funds R	real	total	Retail/Cost
mttgwfmkdr	Tgt W/F Markdown POS R	real	total	Retail/Cost
mttgwfmkur	Tgt W/F Markup R	real	total	Retail/Cost

MFP Cloud Service Merch Target - Working Plan Export

Export Version Name: Merch Target - Working Plan

Export Version: mtwp

Export Mask Measure: MT Wp Export

Exported File: export_mtwp.dat

Table A-6 MFP Cloud Service Merch Target - Working Plan Export Measures

Measure	Measure Label	Data Type	Aggregation Type	Retail/Cost
week	Week			
dept	Department			
chnc	Channel			
mtwpbop1u	Wp BOP Reg+Promo U	real	pst	Retail/Cost
mtwpbop1r	Wp BOP Reg+Promo R	real	pst	Retail
mtwpbop1c	Wp BOP Reg+Promo C	real	pst	Cost
mtwpbop2u	Wp BOP Clr U	real	pst	Retail/Cost
mtwpbop2r	Wp BOP Clr R	real	pst	Retail
mtwpbop2c	Wp BOP Clr C	real	pst	Cost
mtwpbopu	Wp BOP U	real	pst	Retail/Cost
mtwpbopr	Wp BOP R	real	pst	Retail

Table A-6 (Cont.) MFP Cloud Service Merch Target - Working Plan Export Measures

Measure	Measure Label	Data Type	Aggregation Type	Retail/Cost
mtwpbopc	Wp BOP C	real	pst	Retail/Cost
mtwpconsinvr	Wp Cons Inv R	real	total	Retail
mtwpconsinvc	Wp Cons Inv C	real	total	Cost
mtwpeop1u	Wp EOP Reg+Promo U	real	pet	Retail/Cost
mtwpeop1r	Wp EOP Reg+Promo R	real	pet	Retail
mtwpeop1c	Wp EOP Reg+Promo C	real	pet	Cost
mtwpeop2u	Wp EOP Clr U	real	pet	Retail/Cost
mtwpeop2r	Wp EOP Clr R	real	pet	Retail
mtwpeop2c	Wp EOP Clr C	real	pet	Cost
mtwpeopu	Wp EOP U	real	pet	Retail/Cost
mtwpeopr	Wp EOP R	real	pet	Retail
mtwpeopc	Wp EOP C	real	pet	Retail/Cost
mtwpgmr	Wp GM R	real	total	Retail/Cost
mtwpinvadju	Wp Inv Adj U	real	total	Retail/Cost
mtwpinvadjr	Wp Inv Adj R	real	total	Retail
mtwpinvadjc	Wp Inv Adj C	real	total	Cost
mtwpmiscadju	Wp Misc Adj U	real	total	Retail/Cost
mtwpmiscadjr	Wp Misc Adj R	real	total	Retail
mtwpmiscadjc	Wp Misc Adj C	real	total	Cost
mtwpmkd1r	Wp Markdown POS Reg+Promo R	real	total	Retail/Cost
mtwpmkd2r	Wp Markdown POS Clr R	real	total	Retail/Cost
mtwpmkdr	Wp Markdown POS R	real	total	Retail/Cost
mtwpmkdwfr	Wp Markdown POS due to W/F R	real	total	Retail/Cost
mtwpinvdv1r	Wp Markdown Perm Reg+Promo R	real	total	Retail
mtwpinvdv2r	Wp Markdown Perm Clr R	real	total	Retail
mtwpinvdvr	Wp Markdown Perm R	real	total	Retail
mtwpmocu	Wp Move to Clr U	real	total	Retail/Cost
mtwpmocr	Wp Move to Clr R	real	total	Retail
mtwpmocc	Wp Move to Clr C	real	total	Cost
mtwpmosu	Wp MOS U	real	total	Retail/Cost
mtwpmosr	Wp MOS R	real	total	Retail
mtwpmosc	Wp MOS C	real	total	Retail/Cost
mtwpngmr	Wp Net GM R	real	total	Retail/Cost
mtwpnsls1u	Wp Net Sales Reg+Promo U	real	total	Retail/Cost
mtwpnsls1r	Wp Net Sales Reg+Promo R	real	total	Retail/Cost
mtwpnsls2u	Wp Net Sales Clr U	real	total	Retail/Cost

Table A-6 (Cont.) MFP Cloud Service Merch Target - Working Plan Export Measures

Measure	Measure Label	Data Type	Aggregation Type	Retail/Cost
mtwpnsls2r	Wp Net Sales Clr R	real	total	Retail/Cost
mtwpnslsu	Wp Net Sales U	real	total	Retail/Cost
mtwpnslsr	Wp Net Sales R	real	total	Retail/Cost
mtwpnslsc	Wp Net Sales C	real	total	Cost
mtwprcptu	Wp Receipts U	real	total	Retail/Cost
mtwprcptr	Wp Receipts R	real	total	Retail/Cost
mtwprcptc	Wp Receipts C	real	total	Retail/Cost
mtwproyalr	Wp Royalties R	real	total	Retail/Cost
mtwprtn1u	Wp Returns Reg+Promo U	real	total	Retail/Cost
mtwprtn1r	Wp Returns Reg+Promo R	real	total	Retail/Cost
mtwprtn2u	Wp Returns Clr U	real	total	Retail/Cost
mtwprtn2r	Wp Returns Clr R	real	total	Retail/Cost
mtwprtnu	Wp Returns U	real	total	Retail/Cost
mtwprtnr	Wp Returns R	real	total	Retail/Cost
mtwpshrku	Wp Shrink U	real	total	Retail/Cost
mtwpshrkr	Wp Shrink R	real	total	Retail
mtwpshrkc	Wp Shrink C	real	total	Retail/Cost
mtwpsls1u	Wp Sales Reg+Promo U	real	total	Retail/Cost
mtwpsls1r	Wp Sales Reg+Promo R	real	total	Retail/Cost
mtwpsls2u	Wp Sales Clr U	real	total	Retail/Cost
mtwpsls2r	Wp Sales Clr R	real	total	Retail/Cost
mtwpslsu	Wp Sales U	real	total	Retail/Cost
mtwpslsr	Wp Sales R	real	total	Retail/Cost
mtwpslsc	Wp Sales C	real	total	Retail/Cost
mtwpslscmpr	Wp Comp Sales R	real	total	Retail/Cost
mtwpslsncpr	Wp Non-Comp Sales R	real	total	Retail/Cost
mtwpvndfndr	Wp Vendor Funds R	real	total	Retail/Cost
mtwpwfmkdr	Wp W/F Markdown POS R	real	total	Retail/Cost
mtwpwfmkur	Wp W/F Markup R	real	total	Retail/Cost
mtwpooadju	Wp On Order Adj U	real	total	Retail/Cost
mtwpooadjr	Wp On Order Adj R	real	total	Retail
mtwpooadjc	Wp On Order Adj C	real	total	Retail/Cost
mtwpoou	Wp On Order U	real	total	Retail/Cost
mtwpoor	Wp On Order R	real	total	Retail
mtwpooc	Wp On Order C	real	total	Retail/Cost

MFP Cloud Service Location Plan - Current Plan Export

Export Version Name: Location Plan - Current Plan

Export Version: lpcp

Export Mask Measure: LP Cp Export

Exported File: export_lpcp.dat

Table A-7 MFP Cloud Service Location Plan - Current Plan Export Measures

Measure	Measure Label	Data Type	Aggregation Type	Retail/Cost
week	Week			
dept	Department			
stor	Location			
lpcpbopu	Cp BOP U	real	pst	Retail/Cost
lpcpbopr	Cp BOP R	real	pst	Retail
lpcpbopc	Cp BOP C	real	pst	Retail/Cost
lpcpeopu	Cp EOP U	real	pet	Retail/Cost
lpcpeopr	Cp EOP R	real	pet	Retail
lpcpeopc	Cp EOP C	real	pet	Retail/Cost
lpcpmkdr	Cp Markdown POS R	real	total	Retail/Cost
lpcpmkdwfr	Cp Markdown POS due to W/F R	real	total	Retail/Cost
lpcpinvdvr	Cp Markdown Perm R	real	total	Retail
lpcpnslsu	Cp Net Sales U	real	total	Retail/Cost
lpcpnslsr	Cp Net Sales R	real	total	Retail/Cost
lpcpnslsc	Cp Net Sales C	real	total	Cost
lpcprcptu	Cp Receipts U	real	total	Retail/Cost
lpcprcptr	Cp Receipts R	real	total	Retail/Cost
lpcprcptc	Cp Receipts C	real	total	Retail/Cost
lpcprtnu	Cp Returns U	real	total	Retail/Cost
lpcprtnr	Cp Returns R	real	total	Retail/Cost
lpcpshrku	Cp Shrink U	real	total	Retail/Cost
lpcpshrkr	Cp Shrink R	real	total	Retail
lpcpshrkc	Cp Shrink C	real	total	Retail/Cost
lpcpslsu	Cp Sales U	real	total	Retail/Cost
lpcpslsr	Cp Sales R	real	total	Retail/Cost
lpcpslsc	Cp Sales C	real	total	Retail/Cost
lpcptraniou	Cp Transfers In/Out U	real	total	Retail/Cost
lpcptranior	Cp Transfers In/Out R	real	total	Retail
lpcptranioc	Cp Transfers In/Out C	real	total	Cost
lpcpwfmkdr	Cp W/F Markdown POS R	real	total	Retail/Cost
lpcpwfmkur	Cp W/F Markup R	real	total	Retail/Cost

MFP Cloud Service Location Plan - Original Plan Export

Export Version Name: Location Plan - Original Plan

Export Version: lpop

Export Mask Measure: LP Op Export

Exported File: export_lpop.dat

Table A-8 MFP Cloud Service Location Plan - Original Plan Export Measures

Measure	Measure Label	Data Type	Aggregation Type	Retail/Cost
week	Week			
dept	Department			
stor	Location			
lpopbopu	Op BOP U	real	pst	Retail/Cost
lpopbopr	Op BOP R	real	pst	Retail
lpopbopc	Op BOP C	real	pst	Retail/Cost
lpopeopu	Op EOP U	real	pet	Retail/Cost
lpopeopr	Op EOP R	real	pet	Retail
lpopeopc	Op EOP C	real	pet	Retail/Cost
lpopmkdr	Op Markdown POS R	real	total	Retail/Cost
lpopmkdwfr	Op Markdown POS due to W/F R	real	total	Retail/Cost
lpopinvdvr	Op Markdown Perm R	real	total	Retail
lpopnslsu	Op Net Sales U	real	total	Retail/Cost
lpopnslsr	Op Net Sales R	real	total	Retail/Cost
lpopnslsc	Op Net Sales C	real	total	Cost
lpoprcptu	Op Receipts U	real	total	Retail/Cost
lpoprcptr	Op Receipts R	real	total	Retail/Cost
lpoprcptc	Op Receipts C	real	total	Retail/Cost
lpoprtnu	Op Returns U	real	total	Retail/Cost
lpoprtnr	Op Returns R	real	total	Retail/Cost
lpopshrku	Op Shrink U	real	total	Retail/Cost
lpopshrkr	Op Shrink R	real	total	Retail
lpopshrkc	Op Shrink C	real	total	Retail/Cost
lpopslsu	Op Sales U	real	total	Retail/Cost
lpopslsr	Op Sales R	real	total	Retail/Cost
lpopslsc	Op Sales C	real	total	Retail/Cost
lpoptraniou	Op Transfers In/Out U	real	total	Retail/Cost
lpoptranior	Op Transfers In/Out R	real	total	Retail
lpoptranioc	Op Transfers In/Out C	real	total	Cost
lpopwfmkdr	Op W/F Markdown POS R	real	total	Retail/Cost
lpopwfmkur	Op W/F Markup R	real	total	Retail/Cost

MFP Cloud Service Location Plan - Working Plan Export

Export Version Name: Location Plan - Working Plan

Export Version: lpwp

Export Mask Measure: LP Wp Export

Exported File: export_lpwp.dat

Table A-9 MFP Cloud Service Location Plan - Working Plan Export Measures

Measure	Measure Label	Data Type	Aggregation Type	Retail/Cost
week	Week			Retail/Cost
dept	Department			Retail/Cost
stor	Location			Retail/Cost
lpwpbopu	Wp BOP U	real	pst	Retail/Cost
lpwpbopr	Wp BOP R	real	pst	Retail
lpwpbopc	Wp BOP C	real	pst	Retail/Cost
lpwpeopu	Wp EOP U	real	pet	Retail/Cost
lpwpeopr	Wp EOP R	real	pet	Retail
lpwpeopc	Wp EOP C	real	pet	Retail/Cost
lpwpmkdr	Wp Markdown POS R	real	total	Retail/Cost
lpwpmkdwfr	Wp Markdown POS due to W/F R	real	total	Retail/Cost
lpwpinvdvr	Wp Markdown Perm R	real	total	Retail
lpwpnslsu	Wp Net Sales U	real	total	Retail/Cost
lpwpnslsr	Wp Net Sales R	real	total	Retail/Cost
lpwpnslsc	Wp Net Sales C	real	total	Cost
lpwprcptu	Wp Receipts U	real	total	Retail/Cost
lpwprcptr	Wp Receipts R	real	total	Retail/Cost
lpwprcptc	Wp Receipts C	real	total	Retail/Cost
lpwprtnu	Wp Returns U	real	total	Retail/Cost
lpwprtnr	Wp Returns R	real	total	Retail/Cost
lpwpshrku	Wp Shrink U	real	total	Retail/Cost
lpwpshrkr	Wp Shrink R	real	total	Retail
lpwpshrkc	Wp Shrink C	real	total	Retail/Cost
lpwpslsu	Wp Sales U	real	total	Retail/Cost
lpwpslsr	Wp Sales R	real	total	Retail/Cost
lpwpslsc	Wp Sales C	real	total	Retail/Cost
lpwptraniou	Wp Transfers In/Out U	real	total	Retail/Cost
lpwptranior	Wp Transfers In/Out R	real	total	Retail
lpwptranioc	Wp Transfers In/Out C	real	total	Cost
lpwpwfmkdr	Wp W/F Markdown POS R	real	total	Retail/Cost
lpwpwfmkur	Wp W/F Markup R	real	total	Retail/Cost
lpwpooadju	Wp On Order Adj U	real	total	Retail/Cost
lpwpooadjr	Wp On Order Adj R	real	total	Retail
lpwpooadjc	Wp On Order Adj C	real	total	Cost

Table A-9 (Cont.) MFP Cloud Service Location Plan - Working Plan Export Measures

Measure	Measure Label	Data Type	Aggregation Type	Retail/Cost
lpwpoou	Wp On Order U	real	total	Retail/Cost
lpwpoor	Wp On Order R	real	total	Retail
lpwpooc	Wp On Order C	real	total	Cost

MFP Cloud Service Location Target - Target Plan Export

Export Version Name: Location Target - Target Plan

Export Version: lttg

Export Mask Measure: LT Tgt Export

Exported File: export_lttg.dat

Table A-10 MFP Cloud Service Location Target - Target Plan Export Measures

Measure	Measure Label	Data Type	Aggregation Type	Retail/Cost
week	Week			
cmpp	Company			
stor	Location			
lttgnslsu	Tgt Net Sales U	real	total	Retail/Cost
lttgnslsr	Tgt Net Sales R	real	total	Retail/Cost
lttgrtnu	Tgt Returns U	real	total	Retail/Cost
lttgrtnr	Tgt Returns R	real	total	Retail/Cost
lttgslsu	Tgt Sales U	real	total	Retail/Cost
lttgslsr	Tgt Sales R	real	total	Retail/Cost

MFP Cloud Service Location Target - Working Plan Export

Export Version Name: Location Target - Working Plan

Export Version: ltwp

Export Mask Measure: LT Wp Export

Exported File: export_ltwp.dat

Table A-11 MFP Cloud Service Location Target - Working Plan Export Measures

Measure	Measure Label	Data Type	Aggregation Type	Retail/Cost
week	Week			
cmpp	Company			
stor	Location			

Table A-11 (Cont.) MFP Cloud Service Location Target - Working Plan Export Measures

Measure	Measure Label	Data Type	Aggregation Type	Retail/Cost
ltwpnslsu	Wp Net Sales U	real	total	Retail/Cost
ltwpnslsr	Wp Net Sales R	real	total	Retail/Cost
ltwprtnu	Wp Returns U	real	total	Retail/Cost
ltwprtnr	Wp Returns R	real	total	Retail/Cost
ltwpslsu	Wp Sales U	real	total	Retail/Cost
ltwpslsr	Wp Sales R	real	total	Retail/Cost

B

Appendix: Integration with Oracle Retail Assortment Planning Cloud Service

MFP Cloud Service integrates with Oracle Retail Assortment Planning Cloud Service to export the approved Original (OP) and Current (CP) Plan versions of the Merchandise Plans. It also exports Open to Buy (OTB) data and Last Approved Plan (AP) version of Location Plans. The final set of exported measures remains the same for both MFP Retail and MFP Cost.

The interface can be scheduled to run on a weekly basis by scheduling the respective Exports to Shared Services task in the Online Administration Tools. Exported files will be placed in the cloud Object Storage to be accessed by other applications.

The following tables list the exported measure files.

Exported File: Merch Current Plan

Exported File Name: mfp_mpcp.csv.ovr

Table B-1 MFP Cloud Service Merch Plan - Current Plan Export Measures

Measure	Measure Label	Data Type	Aggregation Type
week	Week		
scls	Sub Class		
chnc	Channel		
MPCPSLS1U	Cp Sales Reg + Promo U	real	total
MPCPSLS2U	Cp Sales Clr U	real	total
MPCPSLS1R	Cp Sales Reg + Promo R	real	total
MPCPSLS2R	Cp Sales Clr R	real	total
MPCPSLSC	Cp Sales C	real	total
MPCPRCPTU	Cp Receipts U	real	total
MPCPRCPTR	Cp Receipts R	real	total
MPCPRCPTC	Cp Receipts C	real	total
MPCPEOPU	Cp EOP U	real	pet
MPCPEOPR	Cp EOP R	real	pet
MPCPEOPC	Cp EOP U	real	pet
MPCPRTN1U	Cp Returns Reg + Promo U	real	total
MPCPRTN2U	Cp Returns Clr U	real	total
MPCPRTN2R	Cp Returns Reg + Promo R	real	total
MPCPRTN2R	Cp Returns Clr R	real	total

Exported File: Merch Original Plan

Exported File Name: mfp_mpop.csv.ovr

Table B-2 MFP Cloud Service Merch Plan - Original Plan Export Measures

Measure	Measure Label	Data Type	Aggregation Type
week	Week		
scls	Sub Class		
chnc	Channel		
MPOPSLS1U	Op Sales Reg + Promo U	real	total
MPOPSLS2U	Op Clr U	real	total
MPOPSLS1R	Op Sales Reg + Promo R	real	total
MPOPSLS2R	Op Clr R	real	total
MPOPSLSC	Op Sales C	real	total
MPOPRCPTU	Op Receipts U	real	total
MPOPRCPTR	Op Receipts R	real	total
MPOPRCPTC	Op Receipts C	real	total
MPOPEOPU	Op EOP U	real	pet
MPOPEOPR	Op EOP R	real	pet
MPOPEOPC	Op EOP U	real	pet
MPOPRTN1U	Op Returns Reg + Promo U	real	total
MPOPRTN2U	Op Returns Clr U	real	total
MPOPRTN1R	Op Returns Reg + Promo R	real	total
MPOPRTN2R	Op Returns Clr R	real	total

Exported File: Merch Plan OTB

Exported File Name: mfp_otb.csv.rpl

Table B-3 MFP Cloud Service Merch Plan - Open to Buy Export Measures

Measure	Measure Label	Data Type	Aggregation Type
week	Week		
scls	Sub Class		
chnc	Channel		
MPWPOTBU	Open to Buy U	real	total
MPWPOOADJU	On Order Adj U	real	total
MPWPOTBC	Open to Buy C	real	total
MPWPOOADJC	On Order Ajd C	real	total

Exported File: Location Last Approved Plan

Exported File Name: mfp_lpap.csv.ovr

Table B-4 MFP Cloud Service Merch Plan - Location Last Approved Plan Measures

Measure	Measure Label	Data Type	Aggregation Type
week	Week		
dept	Department		
stor	Store		
LPAPSlsU	Ap Sales U	real	total
LPAPSlsR	Ap Sales R	real	total
LPAPSlsC	Ap Sales C	real	total
LPAPRcptU	Ap Receipts U	real	total
LPAPRcptR	Ap Receipts R	real	total
LPAPRcptC	Ap Receipts C	real	total
LPAPEOPU	Ap EOP U	real	total
LPAPEOPR	Ap EOP R	real	total
LPAPEOPC	Ap EOP C	real	total
LPAPRtnU	Ap Returns U	real	total
LPAPRtnR	Ap Returns R	real	total

C

Appendix: Data Load

The tables in this appendix list the measures that are loaded as part of the administration tasks. Only measure files that are uploaded will be loaded. Files should be in csv format and should contain the headers with the dimension names of the intersection and measure names. The customer needs to upload the files to their Object Storage location under the input directory.

Load - Actuals Data

The table in this section lists the measures grouped with the required files names that are loaded as part of the administration task Load - Actuals Data.

Table C-1 lists the measures for the MFP Cloud Service Load - Actuals Data administration task.

Table C-1 MFP Cloud Service Load - Actuals Data

Measure Name	Load Intersection	Data Type	File Name
drtyeop1c	week_sku_stor	real	eopx.csv.ovr
drtyeop1r	week_sku_stor	real	eopx.csv.ovr
drtyeop1u	week_sku_stor	real	eopx.csv.ovr
drtyeop2c	week_sku_stor	real	eopx.csv.ovr
drtyeop2r	week_sku_stor	real	eopx.csv.ovr
drtyeop2u	week_sku_stor	real	eopx.csv.ovr
drtyrinva1c	week_sku_stor	real	inva.csv.ovr
drtyrinva1r	week_sku_stor	real	inva.csv.ovr
drtyrinva1u	week_sku_stor	real	inva.csv.ovr
drtyrinva2c	week_sku_stor	real	inva.csv.ovr
drtyrinva2r	week_sku_stor	real	inva.csv.ovr
drtyrinva2u	week_sku_stor	real	inva.csv.ovr
drtymkdcanr	week_sku_stor	real	mkd.csv.ovr
drtymkdclrr	week_sku_stor	real	mkd.csv.ovr
drtymkdpclr	week_sku_stor	real	mkd.csv.ovr
drtymkdpror	week_sku_stor	real	mkd.csv.ovr
drtymkdregr	week_sku_stor	real	mkd.csv.ovr
drtymkupr	week_sku_stor	real	mkd.csv.ovr
drtywfmkdr	week_sku_stor	real	wfms.csv.ovr
drtywfmkur	week_sku_stor	real	wfms.csv.ovr
drtywfslsu	week_sku_stor	real	wfms.csv.ovr
drtywfslsc	week_sku_stor	real	wfms.csv.ovr
drtywfslsr	week_sku_stor	real	wfms.csv.ovr

Table C-1 (Cont.) MFP Cloud Service Load - Actuals Data

Measure Name	Load Intersection	Data Type	File Name
drtywfrtnu	week_sku_stor	real	wfms.csv.ovr
drtywfrtnc	week_sku_stor	real	wfms.csv.ovr
drtywfrtnr	week_sku_stor	real	wfms.csv.ovr
drtynslsclrc	week_sku_stor	real	nsls.csv.ovr
drtynslsclrr	week_sku_stor	real	nsls.csv.ovr
drtynslsclru	week_sku_stor	real	nsls.csv.ovr
drtynslsproc	week_sku_stor	real	nsls.csv.ovr
drtynslspror	week_sku_stor	real	nsls.csv.ovr
drtynslsprou	week_sku_stor	real	nsls.csv.ovr
drtynslsregc	week_sku_stor	real	nsls.csv.ovr
drtynslsregr	week_sku_stor	real	nsls.csv.ovr
drtynslsregu	week_sku_stor	real	nsls.csv.ovr
drtyrtnclrc	week_sku_stor	real	rtn.csv.ovr
drtyrtnclrr	week_sku_stor	real	rtn.csv.ovr
drtyrtnclru	week_sku_stor	real	rtn.csv.ovr
drtyrtnproc	week_sku_stor	real	rtn.csv.ovr
drtyrtnpror	week_sku_stor	real	rtn.csv.ovr
drtyrtnprou	week_sku_stor	real	rtn.csv.ovr
drtyrtnregc	week_sku_stor	real	rtn.csv.ovr
drtyrtnregr	week_sku_stor	real	rtn.csv.ovr
drtyrtnregu	week_sku_stor	real	rtn.csv.ovr
drtyporcptc	week_sku_stor	real	rcpt.csv.ovr
drtyporcptr	week_sku_stor	real	rcpt.csv.ovr
drtyporcptu	week_sku_stor	real	rcpt.csv.ovr
drtytraninbc	week_sku_stor	real	tranx.csv.ovr
drtytraninbr	week_sku_stor	real	tranx.csv.ovr
drtytraninbu	week_sku_stor	real	tranx.csv.ovr
drtytraninic	week_sku_stor	real	tranx.csv.ovr
drtytraninir	week_sku_stor	real	tranx.csv.ovr
drtytraniniu	week_sku_stor	real	tranx.csv.ovr
drtytraninr	week_sku_stor	real	tranx.csv.ovr
drtytraninc	week_sku_stor	real	tranx.csv.ovr
drtytraninu	week_sku_stor	real	tranx.csv.ovr
drtytranoutbc	week_sku_stor	real	tranx.csv.ovr
drtytranoutbr	week_sku_stor	real	tranx.csv.ovr
drtytranoutbu	week_sku_stor	real	tranx.csv.ovr
drtytranoutic	week_sku_stor	real	tranx.csv.ovr
drtytranoutir	week_sku_stor	real	tranx.csv.ovr
drtytranoutiu	week_sku_stor	real	tranx.csv.ovr

Table C-1 (Cont.) MFP Cloud Service Load - Actuals Data

Measure Name	Load Intersection	Data Type	File Name
drtytranoutr	week_sku_stor	real	tranx.csv.ovr
drtytranoutu	week_sku_stor	real	tranx.csv.ovr
drtytranoutc	week_sku_stor	real	tranx.csv.ovr
drtytranoutc	week_sku_stor	real	tran.csv.ovr
drtyvndfndr	week_sku_stor	real	tran.csv.ovr
drtyroyalr	week_sku_stor	real	tran.csv.ovr
drtycogsr	week_sku_stor	real	tran.csv.ovr
drtyconsinvc	week_sku_stor	real	tran.csv.ovr
drtyconsinvr	week_sku_stor	real	tran.csv.ovr
drtymiscadjc	week_sku_stor	real	tran.csv.ovr
drtymiscadjr	week_sku_stor	real	tran.csv.ovr
drtymiscadju	week_sku_stor	real	tran.csv.ovr
drtybocancu	week_sku_stor	real	fulfill.csv.ovr
drtybofulfillu	week_sku_stor	real	fulfill.csv.ovr
drtycancu	week_sku_stor	real	fulfill.csv.ovr
drtydemandu	week_sku_stor	real	fulfill.csv.ovr
drtyfulfillu	week_sku_stor	real	fulfill.csv.ovr
drtytrafficu	week_sku_stor	real	fulfill.csv.ovr
drtyims1r	week_sku_stor	real	fulfill_x.csv.ovr
drtyims1u	week_sku_stor	real	fulfill_x.csv.ovr
drtyims2r	week_sku_stor	real	fulfill_x.csv.ovr
drtyims2u	week_sku_stor	real	fulfill_x.csv.ovr
drtymtd1r	week_sku_stor	real	fulfill_x.csv.ovr
drtymtd1u	week_sku_stor	real	fulfill_x.csv.ovr
drtymtd2r	week_sku_stor	real	fulfill_x.csv.ovr
drtymtd2u	week_sku_stor	real	fulfill_x.csv.ovr
drtystc1r	week_sku_stor	real	fulfill_x.csv.ovr
drtystc1u	week_sku_stor	real	fulfill_x.csv.ovr
drtystc2r	week_sku_stor	real	fulfill_x.csv.ovr
drtystc2u	week_sku_stor	real	fulfill_x.csv.ovr
drtybisscvp	week_scls_ctry	real	fulfill_a.csv.ovr
drtybopisvp	week_scls_ctry	real	fulfill_a.csv.ovr
drtyborisvp	week_scls_ctry	real	fulfill_a.csv.ovr
drtyborovp	week_scls_ctry	real	fulfill_a.csv.ovr
drtyincngstku	week_scls_ctry	real	fulfill_a.csv.ovr
drtymtdvp	week_scls_ctry	real	fulfill_a.csv.ovr
drtyonstku	week_scls_ctry	real	fulfill_a.csv.ovr
drtystrstku	week_scls_ctry	real	fulfill_a.csv.ovr

Load - On Order Data

The table in this section lists the measures that are loaded as part of the administration task Load - On Order Data.

Table C-2 lists the measures for the MFP Cloud Service Load - On Order Data administration task.

Table C-2 MFP Cloud Service Load - On Order Data Measures

Measure Name	Load Intersection	Data Type	File Name
drtyooc	week_sku_stor	real	oo.csv.ovr
drtyoor	week_sku_stor	real	oo.csv.ovr
drtyoou	week_sku_stor	real	oo.csv.ovr

Load - Admin Data

The table in this section lists the measures that are loaded as part of the administration task Load - Admin Data. The Admin data load is optional and most of the data can be directly entered and managed by users in the MFP Maintenance workbooks.

Table C-3 lists the measures for the MFP Cloud Service Load - Admin Data administration task.

Table C-3 MFP Cloud Service Load - Admin Data Measures

Measure Name	Load Intersection	Data Type	File Name
addvlagl2t	week	text	lag.csv.ovr
addvlaglyt	week	text	lag.csv.ovr
addvvatcp	week_vatb	real	vat.csv.ovr
addvvatvp	week_vatb	real	vat.csv.ovr
addvlikepocd	stor	date	stor_a.csv.ovr
addvlikepoct	stor	text	stor_a.csv.ovr
addvlocopnd	stor	date	stor_a.csv.ovr
addvlocendd	stor	date	stor_a.csv.ovr
addvlocrefd	stor	date	stor_a.csv.ovr
addvwfpoct	stor	text	stor_a.csv.ovr
addvpocdesct	stor	text	stor_a.csv.ovr
addvchnlmapt	chnc	text	addvchnlmapt.csv.ovr
addvlcratet	curc	text	addvlcratet.csv.ovr
addvpocsqmv	dept_stor	real	addvpocsqmv.csv.ovr
drtylcratex	day_curc	real	curr.csv.ovr
addvlocattt	stor_satt	text	addvlocattt.csv.ovr

D

Appendix: MFPCS Specific Custom Functions, Procedures, and Special Expressions

MFP Cloud Service uses the RPAS Batch Framework to set up the batch process. For more details about understanding batch_control files and its uses in the batch process, see the *Oracle Retail Predictive Application Server Cloud Edition Implementation Guide*. Any application-specific custom functions are packaged in RASL libraries and those are available to use in the batch_exec_list.txt control file with the service name as **ra_custom** to trigger to those functions and parameter as the function name. The following list of predefined custom functions are available RASL libraries installed as part of RPAS that are used by MFP.

Custom Function: ap_set_datr

The Platform UI feature allows product/location attributes to be used as filters. In order to use them as filters in the UI, those attributes needs to be registered as dimension attributes. This application-level function registers all the loaded product/location attributes as dimension attributes. It needs to be called each time a new set of product/location attributes is loaded.

It takes two parameters in addition to the function name, attribute measure and attribute hierarchy.

Example:

batch_datr | ra_custom | ap_set_datr~addvlocattt~satr

Special Expressions and Procedures Used in MFPCS Configuration

This section contains details about the special expressions that are not standard RPAS expressions/procedures but are used in the MFPCS configuration.

AttributesPickListExpr - Attribute Picklist Expression

This procedure is used to determine a picklist of values from a base string measure along the positions of the specified hierarchy. It also takes in a Filter Boolean as input to control which intersections are to be used to pick data for the picklist.

Syntax:

OUTMEAS <- AttributesPickListExpr(FILTERMEAS, INPUTMEAS, HIER, OUTFORMAT)

Example:

ADHDLikePoCT <- AttributesPickListExpr(ADHDLikePoCB,ADHDLikePoCL, "LOC", "0")

Expression Parameters:

The following table shows the parameter details for the expression.

Parameter Name	Parameter Type	Data Type	Description
OUTMEAS	Output	String	Output Picklist Measure which will be a string value.
INPUTMEAS	Input	String	Input String Measure containing the picklist values stored along a hierarchy.
FILTERMEAS	Input	Boolean	Boolean measure with the same intersection of OUTMEAS. It should be set to true for the intersections picklist that needs to be created.
HIER	Input	String	Hierarchy Name specified as a String constant along which the picklist values need to be used. This hierarchy should be present in INPUTMEAS.
OUTFORMAT	Input	String	Output format with valid values "0" or "1". Using "0" will create a picklist using position names as picklist internal names and labels as attribute values. "1" will create a picklist using position values as name and labels for the picklist.

E

Appendix: MFPCS Scheduling in JOS/POM

MFPCS provides a default job schedule with a detailed list of jobs with pre-defined dependencies with RI and AIF schedules in RAP integration. The customer can easily customize their batch process by controlling the batch control files without changing the batch schedule. Each batch job in MFP is connected to hooks in the batch control files that can be changed by customers. The MFP job flow only contains daily and weekly jobs. Jobs scheduled in the Daily flow are scheduled to run every day except Sunday (other than the Start and End Job for the process) and jobs scheduled to run in the Weekly flow are scheduled to run only on Sunday by default.

The following table shows the list of jobs in MFP Schedule. Only jobs with Template configuration entries are pre-configured for the MFP Template version. The rest of the jobs are placeholder jobs to allow changes to the schedule of the jobs or to add more jobs by changing the batch control file. Each MFP job calls the same set names in the batch control file without _JOB in the name, which in turn allows it to call respective *hook_ jobs, so even if it is not linked to a batch set. The batch can be controlled without changing the job flow by adding or changing the hooks.

For more details about the implementation of JOS/POM, see the *Oracle Retail Predictive Application Server Cloud Edition Implementation Guide*. For more details about how to use JOS/POM to schedule and maintain the job flows, see the *Oracle Retail Process Orchestration and Monitoring User Guide*.

MFP Job Name	Description/Comments	Daily/Weekly	Template Configuration
MFP_PRE_EXP_START_JOB	Dummy Job, to specify the start of pre-batch exports.	Daily	
MFP_PRE_EXP_RDX_D_JOB	To schedule any daily plan exports to RAP integration before the calc cycle.	Daily	
MFP_PRE_EXP_OBS_D_JOB	To schedule any daily plan exports to Object Storage before the calc cycle.	Daily	Exports Standard Plans, if the Export Daily Plans Boolean is enabled.
MFP_PRE_EXP_RDX_W_JOB	To schedule any weekly plan exports to RAP integration before the calc cycle.	Weekly	Exports Plans to RI, if RDX is enabled.
MFP_PRE_EXP_OBS_W_JOB	To schedule any weekly plan exports to Object Storage before the calc cycle.	Weekly	Exports Standard Plans Weekly, if the Export Weekly Plans Boolean is enabled.
MFP_PRE_EXP_END_JOB	Dummy job to specify the end of pre-batch exports.	Daily	
MFP_COM_HIER_IMP_START_JOB	Dummy job to specify the start of a common hierarchies import.	Daily	
MFP_COM_HIER_IMP_RDX_D_JOB	To schedule any daily common hierarchy imports from RAP integration.	Daily	
MFP_COM_HIER_IMP_OBS_D_JOB	To schedule any daily common hierarchy imports from Object Storage.	Daily	

MFP Job Name	Description/Comments	Daily/Weekly	Template Configuration
MFP_COM_HIER_IMP_RDX_W_JOB	To schedule any weekly common hierarchy imports from RAP integration.	Weekly	Imports common hierarchies from RI, if RDX is enabled.
MFP_COM_HIER_IMP_OBS_W_JOB	To schedule any weekly common hierarchy imports from Object Storage.	Weekly	Loads common hierarchy files from Object Storage, if uploaded.
MFP_COM_HIER_IMP_END_JOB	Dummy Job, to specify the end of a common hierarchies import.	Daily	
MFP_COM_DATA_IMP_START_JOB	Dummy job to specify the start of common data imports.	Daily	
MFP_COM_DATA_IMP_RDX_D_JOB	To schedule any daily common data imports from RAP integration.	Daily	
MFP_COM_DATA_IMP_OBS_D_JOB	To schedule any daily common data imports from Object Storage.	Daily	
MFP_COM_DATA_IMP_RDX_W_JOB	To schedule any weekly common data imports from RAP integration.	Weekly	Imports data files from RI, if RDX is enabled.
MFP_COM_DATA_IMP_OBS_W_JOB	To schedule any weekly common data imports from Object Storage.	Weekly	Loads data files from Object Storage, if uploaded.
MFP_COM_DATA_IMP_END_JOB	Dummy job to specify the end of common data imports.	Daily	
MFP_HIER_IMP_START_JOB	Dummy job to specify the start of application-specific hierarchies import.	Daily	
MFP_HIER_IMP_RDX_D_JOB	To schedule any daily application-specific hierarchy imports from RAP integration.	Daily	
MFP_HIER_IMP_OBS_D_JOB	To schedule any daily application-specific hierarchy imports from Object Storage.	Daily	
MFP_HIER_IMP_RDX_W_JOB	To schedule any weekly application-specific hierarchy imports from RAP integration.	Weekly	Imports application-specific hierarchies from RI, if RDX is enabled.
MFP_HIER_IMP_OBS_W_JOB	To schedule any weekly application-specify hierarchy imports from Object Storage.	Weekly	Imports any application-specific hierarchies from Object Storage.
MFP_HIER_IMP_END_JOB	Dummy job to specify the end of application-specific hierarchies import.	Daily	
MFP_PRE_DATA_IMP_START_JOB	Dummy job to specify the start of application-specific data imports before the calc cycle.	Daily	
MFP_PRE_DATA_IMP_RDX_D_JOB	To schedule any daily application-specific data imports from RAP integration before the calc cycle.	Daily	Imports OO Data from RDX.

MFP Job Name	Description/Comments	Daily/Weekly	Template Configuration
MFP_PRE_DATA_IMP_OBS_D_JOB	To schedule any daily application-specific data imports from Object Storage before the calc cycle.	Daily	Imports OO Data from file if uploaded.
MFP_PRE_DATA_IMP_RDX_W_JOB	To schedule any weekly application-specific data imports from RAP integration before the calc cycle.	Weekly	
MFP_PRE_DATA_IMP_OBS_W_JOB	To schedule any weekly application-specific data imports from Object Storage before the calc cycle	Weekly	
MFP_PRE_DATA_IMP_END_JOB	Dummy Job to specify the end of application-specific data imports before the calc cycle	Daily	
MFP_BATCH_AGG_START_JOB	Dummy job to specify the start of the Batch Aggregation Cycle.	Daily	
MFP_BATCH_AGG_D_JOB	To schedule any daily batch aggregation jobs.	Daily	Runs Daily Batch Calcs or Aggregations.
MFP_BATCH_AGG_W_JOB	To schedule any weekly batch aggregation jobs.	Weekly	Runs Weekly Batch Calcs or Aggregations.
MFP_BATCH_AGG_END_JOB	Dummy job to specify the end of the Batch Aggregation Cycle.	Daily	
MFP_EGRS_EXP_START_JOB	Dummy job to specify the start of Egress Export jobs.	Daily	
MFP_EGRS_EXP_RDX_D_JOB	Daily export of hierarchy and actuals data to RDX for Egress.	Daily	
MFP_EGRS_EXP_RDX_W_JOB	Weekly export of hierarchy and actuals data to RDX for Egress.	Weekly	
MFP_EGRS_EXP_END_JOB	Dummy job to specify the end of Egress Export jobs.	Daily	
MFP_POST_DATA_IMP_START_JOB	Dummy job to specify the start of application-specific data imports after the calc cycle.	Daily	
MFP_POST_DATA_IMP_RDX_D_JOB	To schedule any daily application-specific data imports from RAP integration after the calc cycle.	Daily	
MFP_POST_DATA_IMP_OBS_D_JOB	To schedule any daily application-specific data imports from Object Storage after the calc cycle.	Daily	
MFP_POST_DATA_IMP_RDX_W_JOB	To schedule any weekly application-specific data imports from RAP integration after the calc cycle.	Weekly	Imports Forecasts from RI, if RDX is enabled.
MFP_POST_DATA_IMP_OBS_W_JOB	To schedule any weekly application-specific data imports from Object Storage after the calc cycle.	Weekly	

MFP Job Name	Description/Comments	Daily/Weekly	Template Configuration
MFP_POST_DATA_IMP_END_JOB	Dummy Job, to specify the end of application-specific data imports after the calc cycle.	Daily	
MFP_POST_EXP_START_JOB	Dummy job to specify the start of post-batch exports.	Daily	
MFP_POST_EXP_RDX_D_JOB	To schedule any daily data exports from RAP integration after the calc cycle.	Daily	
MFP_POST_EXP_OBS_D_JOB	To schedule any daily data exports from Object Storage after the calc cycle.	Daily	Exports Plans to RI, if RDX is enabled.
MFP_POST_EXP_RDX_W_JOB	To schedule any weekly data export from RAP integration after the calc cycle.	Weekly	
MFP_POST_EXP_OBS_W_JOB	To schedule any weekly data exports from Object Storage after the calc cycle.	Weekly	
MFP_POST_EXP_END_JOB	Dummy job to specify the end of post-batch exports.	Daily	
MFP_WB_BUILD_START_JOB	Dummy job to specify the start of workbook build/refresh jobs.	Daily	
MFP_WB_BUILD_D_JOB	To schedule any workbook build/refresh steps daily.	Daily	Runs daily scheduled workbook builds and refresh.
MFP_WB_BUILD_W_JOB	To schedule any workbook build/refresh steps weekly.	Weekly	Runs weekly scheduled workbook builds and refresh.
MFP_WB_BUILD_END_JOB	Dummy job to specify the end of workbook build/refresh jobs.	Daily	
MFP_ADHOC_XX_JOB	To schedule any adhoc jobs with the batch execution set name as a parameter. XX varies from 01 to 10. 10 Jobs available to schedule any adhoc steps with any set name as the parameter.	Adhoc	

Even if the customer is using a non-template version of the application, they should have the following entries in their batch control file (batch_exec_list.txt) with the necessary hooks connected to the customer job steps in order to execute those steps using pre-defined MFP jobs from JOS/POM.

Generic Schedule Mapping in JOS/POM

MFP_PRE_EXP_RDX_D | exec | *hook_MFP_PRE_EXP_RDX_D

MFP_PRE_EXP_OBS_D | exec | *hook_MFP_PRE_EXP_OBS_D

MFP_PRE_EXP_RDX_W | exec | *hook_MFP_PRE_EXP_RDX_W

MFP_PRE_EXP_OBS_W | exec | *hook_MFP_PRE_EXP_OBS_W

MFP_COM_HIER_IMP_RDX_D | exec | *hook_MFP_COM_HIER_IMP_RDX_D

MFP_COM_HIER_IMP_OBS_D | exec | *hook_MFP_COM_HIER_IMP_OBS_D

MFP_COM_HIER_IMP_RDX_W | exec | *hook_MFP_COM_HIER_IMP_RDX_W

MFP_COM_HIER_IMP_OBS_W | exec | *hook_MFP_COM_HIER_IMP_OBS_W

MFP_COM_DATA_IMP_RDX_D | exec | *hook_MFP_COM_DATA_IMP_RDX_D

MFP_COM_DATA_IMP_OBS_D | exec | *hook_MFP_COM_DATA_IMP_OBS_D

MFP_COM_DATA_IMP_RDX_W | exec | *hook_MFP_COM_DATA_IMP_RDX_W

MFP_COM_DATA_IMP_OBS_W | exec | *hook_MFP_COM_DATA_IMP_OBS_W

MFP_HIER_IMP_RDX_D | exec | *hook_MFP_HIER_IMP_RDX_D

MFP_HIER_IMP_OBS_D | exec | *hook_MFP_HIER_IMP_OBS_D

MFP_HIER_IMP_RDX_W | exec | *hook_MFP_HIER_IMP_RDX_W

MFP_HIER_IMP_OBS_W | exec | *hook_MFP_HIER_IMP_OBS_W

MFP_PRE_DATA_IMP_RDX_D | exec | *hook_MFP_PRE_DATA_IMP_RDX_D

MFP_PRE_DATA_IMP_OBS_D | exec | *hook_MFP_PRE_DATA_IMP_OBS_D

MFP_PRE_DATA_IMP_RDX_W | exec | *hook_MFP_PRE_DATA_IMP_RDX_W

MFP_PRE_DATA_IMP_OBS_W | exec | *hook_MFP_PRE_DATA_IMP_OBS_W

MFP_BATCH_AGG_D | exec | *hook_MFP_BATCH_AGG_D

MFP_BATCH_AGG_W | exec | *hook_MFP_BATCH_AGG_W

MFP_EGRS_EXP_RDX_D_JOB | exec | *hook_MFP_EGRS_EXP_RDX_D

MFP_EGRS_EXP_RDX_W_JOB | exec | *hook_MFP_EGRS_EXP_RDX_W

MFP_POST_DATA_IMP_RDX_D | exec | *hook_MFP_POST_DATA_IMP_RDX_D

MFP_POST_DATA_IMP_OBS_D | exec | *hook_MFP_POST_DATA_IMP_OBS_D

MFP_POST_DATA_IMP_RDX_W | exec | *hook_MFP_POST_DATA_IMP_RDX_W

MFP_POST_DATA_IMP_OBS_W | exec | *hook_MFP_POST_DATA_IMP_OBS_W

MFP_POST_EXP_RDX_D | exec | *hook_MFP_POST_EXP_RDX_D

MFP_POST_EXP_OBS_D | exec | *hook_MFP_POST_EXP_OBS_D

MFP_POST_EXP_RDX_W | exec | *hook_MFP_POST_EXP_RDX_W

MFP_POST_EXP_OBS_W | exec | *hook_MFP_POST_EXP_OBS_W

MFP_WB_BUILD_D | exec | *hook_MFP_WB_BUILD_D

MFP_WB_BUILD_W | exec | *hook_MFP_WB_BUILD_W

Note

MFP_EGRS_EXP_* jobs are placeholder jobs needed only for Egress customers migrated to a new release to export their hierarchy and actuals data to RDX so that AI Foundation can use the data to generate forecasts. Those jobs will execute batch steps in GA only when the Egress Export Hierarchies and Egress Export Actuals Boolean flags are enabled using the Measure Analysis template. New customers in RAP can ignore these jobs if they are getting standard hierarchies and actuals from RAP.

> **Note**
>
> In a Multi-App set up, only one application should import the common shared hierarchies using the *COM_HIER_IMP * jobs. In GA apps, it is controlled by the shared Boolean measure Primary to Load Common Data. If MFPCS is not the first planning application deployed in RAP and if another planning application such as APCS or IPOCS-Demand Forecasting is already deployed, then set Primary to Load Common Data to true in only one of the application under the Planning Administration -> Batch Setup in show/hide, to avoid trying to load the common data again for shared planning applications through the JOS/POM schedule. If not set by the user in GA apps, that Boolean will be set to true only for the first deployed GA application for which the initial post build batch is run.

> **Note**
>
> Adhoc jobs are available with the SET_NAME (<app>AdhocXX) and RESTART_STEP (restartStep) parameters so that those jobs can be ordered in and used to restart any failed job by using the failed jobs set_name from the batch_exec_list.txt control file and step number to restart as parameters. restartStep is a common parameter so it should be set for each adhoc job run. Adhoc jobs are also set up with the parameter SINGLEDAILYRUN=FALSE and that allows them to re-run multiple times for the same scheduled day.

> **Note**
>
> When using POM for executing batches for a planning application, the value of RPAS_TODAY should be unset within OAT. It will then automatically use the current business date as defined in the POM UI, plus or minus an offset value if you need the application to run for a different date than the POM UI displays. This process is explained in more detail in the *Oracle Retail Predictive Application Server Cloud Edition Administration Guide* chapter on RPASCE Batch Schedule with POM.

External Dependencies

In RAP Integration, MFP gets data from RI and AIF. Those dependencies are pre-defined in the schedule. In the following table are the pre-defined dependencies of MFP jobs. The customer needs to enable those dependencies based on the modules enabled on the RI and AIF side, so that the dependent job on the MFP side wait for the completion of that interface on the source side.

JobName	ExternalScheduleName	ExternalPredecessorJobName
RPASCE_HIER_IMP_START_JOB	RI	RDX_EXPORT_DIM_MILE_MARKER_JOB
RPASCE_DATA_IMP_START_JOB	RI	RDX_EXPORT_FACT_MILE_MARKER_JOB
MFP_POST_DATA_IMP_START_JOB	RSP	RSE_MFP_FCST_EXPORT_JOB

Schedule and Mapping in JOS/POM for Multi-Instance

Customers can provision second or multiple instances of MFPCS. But second or multi-instance can only be deployed as a Custom (non-template) configuration and when it is provisioned, a new schedule will also be provided for multi-instance with <APP_INSTANCE_CODE> (example: mfpscs2 or mfpscs3) as RPASCE-<APP_INSTANCE_CODE>. Multi-instance uses the standard schedule, and the customer can customize it for the steps that it needs to execute using the corresponding entries in their custom batch control files.

The customer should have the following entries in their batch control file (batch_exec_list.txt) with the necessary hooks connected to the customer job steps in order to execute those steps using pre-defined jobs from JOS/POM. Replace <APP> with corresponding instance <APP_INSTANCE_CODE> code value during deploy.

Schedule also as <APP>_ADHOC_XX_JOB for the adhoc schedule purpose.

Batch Control in JOS/POM for Multi-Instance

<APP>_PRE_EXP_RDX_D | exec | *hook_PRE_EXP_RDX_D

<APP>_PRE_EXP_OBS_D | exec | *hook_PRE_EXP_OBS_D

<APP>_PRE_EXP_RDX_W | exec | *hook_PRE_EXP_RDX_W

<APP>_PRE_EXP_OBS_W | exec | *hook_PRE_EXP_OBS_W

<APP>_HIER_IMP_RDX_D | exec | *hook_HIER_IMP_RDX_D

<APP>_HIER_IMP_OBS_D | exec | *hook_HIER_IMP_OBS_D

<APP>_HIER_IMP_RDX_W | exec | *hook_HIER_IMP_RDX_W

<APP>_HIER_IMP_OBS_W | exec | *hook_HIER_IMP_OBS_W

<APP>_PRE_DATA_IMP_RDX_D | exec | *hook_PRE_DATA_IMP_RDX_D

<APP>_PRE_DATA_IMP_OBS_D | exec | *hook_PRE_DATA_IMP_OBS_D

<APP>_PRE_DATA_IMP_RDX_W | exec | *hook_PRE_DATA_IMP_RDX_W

<APP>_PRE_DATA_IMP_OBS_W | exec | *hook_PRE_DATA_IMP_OBS_W

<APP>_BATCH_AGG_D | exec | *hook_BATCH_AGG_D

<APP>_BATCH_AGG_W | exec | *hook_BATCH_AGG_W

<APP>_POST_DATA_IMP_RDX_D | exec | *hook_POST_DATA_IMP_RDX_D

<APP>_POST_DATA_IMP_OBS_D | exec | *hook_POST_DATA_IMP_OBS_D

<APP>_POST_DATA_IMP_RDX_W | exec | *hook_POST_DATA_IMP_RDX_W

<APP>_POST_DATA_IMP_OBS_W | exec | *hook_POST_DATA_IMP_OBS_W

<APP>_POST_EXP_RDX_D | exec | *hook_POST_EXP_RDX_D

<APP>_POST_EXP_OBS_D | exec | *hook_POST_EXP_OBS_D

<APP>_POST_EXP_RDX_W | exec | *hook_POST_EXP_RDX_W

<APP>_POST_EXP_OBS_W | exec | *hook_POST_EXP_OBS_W

<APP>_WB_BUILD_D | exec | *hook_WB_BUILD_D

<APP>_WB_BUILD_W | exec | *hook_WB_BUILD_W

The following Interschedule Dependencies are pre-defined with the RI, AIF, and RPASCE schedules for the Hierarchy and Data Imports. If any external export dependency is needed in RI/AIF for any exports from multi-instance, that needs to be added directly in the POM UI. For information about how to add Inter-Schedule Dependencies with other applications, see the *Oracle Retail Process Orchestration and Monitoring User Guide* and *Oracle Retail Process Orchestration and Monitoring Implementation Guide*.

JobName	ExternalScheduleName	ExternalPredecessorJobName
<APP>_HIER_IMP_START_JOB	RI	RDX_EXPORT_DIM_MILE_MARKER_JOB
<APP>_PRE_DATA_IMP_START_JOB	RI	RDX_EXPORT_FACT_MILE_MARKER_JOB
<APP>_POST_DATA_IMP_START_JOB	RSP	RSE_AP_FCST_EXPORT_JOB
<APP>_HIER_IMP_START_JOB	RPASCE	RPASCE_HIER_IMP_END_JOB
<APP>_PRE_DATA_IMP_START_JOB	RPASCE	RPASCE_DATA_IMP_END_JOB