

Oracle® Retail Demand Forecasting Cloud Service

Administration Guide

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Contents

Send Us Your Comments	ix
Preface	xi
Audience	xi
Documentation Accessibility	xi
Related Documents	xi
Improved Process for Oracle Retail Documentation Corrections	xi
Oracle Retail Documentation on the Oracle Technology Network	xii
Conventions	xii
1 Administrative Tasks	
Oracle Support	1-1
Oracle Identity Management (OIM) User Creation	1-1
Assigning Members to a Role	1-4
Retail Demand Forecasting Cloud Service (RDF Cloud Service) Default Enterprise Roles	1-7
Revoking Role Membership	1-7
Deleting a User or Disabling User Privileges	1-9
Resetting a User Password	1-9
Approving Requests from a User	1-10
Approving Requests from a User for Multiple Roles	1-12
Importing a Batch of User Accounts	1-13
Bulk Role Membership Update (Optional)	1-14
Nightly Batch File Uploads	1-14
Adding Authorized Keys	1-15
Logging In to WinSCP	1-16
Uploading the Batch File	1-18
Export File Downloads	1-18
2 Online Administration Tools	
Standard Admin Tasks	2-2
Application Specific Admin Tasks - RDF Cloud Service Admin Tasks	2-2
Batch	2-3
Clone	2-7
Export - Forecast	2-7
Export for AIP - Forecast Error	2-8

Export for AIP - Forecast.....	2-9
Export for APC-RO	2-9
Export for RMS - Forecast and Forecast Error	2-11
Fetch Input Data	2-11
Find Alerts.....	2-12
Load Bayesian Plan.....	2-12
Load Data	2-13
Load Hierarchies	2-13
New Item and New Store Batch.....	2-14
Preprocess.....	2-14
Push Output Data	2-14
Run Forecast.....	2-14
Run Causal Estimation	2-15
AutoSource.....	2-15
Scheduling RDF Cloud Service Administration Tasks	2-16

List of Tables

1-1	Retail Demand Forecasting Cloud Service Default Enterprise Roles.....	1-7
2-1	RDF Cloud Service Admin Tasks	2-3
2-2	RDF Cloud Service Batch Steps	2-4
2-3	Configurable Parameters: Batch	2-5
2-4	Configurable Parameters: Export - Forecast	2-8
2-5	Configurable Parameters: Export for AIP - Forecast Error	2-9
2-6	Configurable Parameters: Export for AIP - Forecast	2-9
2-7	Configurable Parameters: Export for APC-RO.....	2-10
2-8	Configurable Parameters: Export for RMS - Forecast and Forecast Error.....	2-11
2-9	Configurable Parameters: Load Bayesian Plan	2-12
2-10	Configurable Parameters: Load Data.....	2-13
2-11	Configurable Parameters: Run Forecast	2-15
2-12	Configurable Parameters: Run Causal Estimation.....	2-15
2-13	Configurable Parameters: AutoSource	2-16

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Oracle Retail Demand Forecasting Cloud Service Administration Guide, Release 16.0

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Preface

This document describes the administration tasks for Oracle Retail Demand Forecasting Cloud Service.

Audience

This document is intended for administrators.

Documentation Accessibility

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Related Documents

For more information, see the following documents in the Oracle Retail Demand Forecasting Cloud Service Release 16.0 documentation set:

- *Oracle Retail Demand Forecasting Cloud Service Administration Guide*
- *Oracle Retail Demand Forecasting Cloud Service Implementation Guide*
- *Oracle Retail Demand Forecasting Cloud Service Release Notes*
- *Oracle Retail Demand Forecasting Cloud Service User Guide*
- Oracle Retail Predictive Application Server documentation

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the case of Data Models, or, in the case of Data Models, to the applicable My Oracle Support Documentation container where they reside.

Oracle Retail documentation is available on the Oracle Technology Network at the following URL:

<http://www.oracle.com/technetwork/documentation/oracle-retail-100266.html>

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(Data Model documents are not available through Oracle Technology Network. You can obtain these documents through My Oracle Support.)

Conventions

The following text conventions are used in this document:

Convention	Meaning
boldface	Boldface type indicates graphical user interface elements associated with an action, or terms defined in text or the glossary.
<i>italic</i>	Italic type indicates book titles, emphasis, or placeholder variables for which you supply particular values.
monospace	Monospace type indicates commands within a paragraph, URLs, code in examples, text that appears on the screen, or text that you enter.

Administrative Tasks

This chapter describes the processes for maintaining users and roles. For information regarding standard end user activities, see the *Oracle Retail Demand Forecasting Cloud Service User Guide*.

- Oracle Support
- Oracle Identity Management (OIM) User Creation
- Assigning Members to a Role
- Retail Demand Forecasting Cloud Service (RDF Cloud Service) Default Enterprise Roles
- Revoking Role Membership
- Deleting a User or Disabling User Privileges
- Resetting a User Password
- Approving Requests from a User
- Approving Requests from a User for Multiple Roles
- Importing a Batch of User Accounts
- Bulk Role Membership Update (Optional)
- Nightly Batch File Uploads
- Export File Downloads

Oracle Support

It is considered to be a best practice to have all Oracle Retail Demand Forecasting Cloud Service support requests submitted through a single point-of-contact for that customer environment; the client-designated administrator is usually designated to perform this role.

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

<https://support.oracle.com>

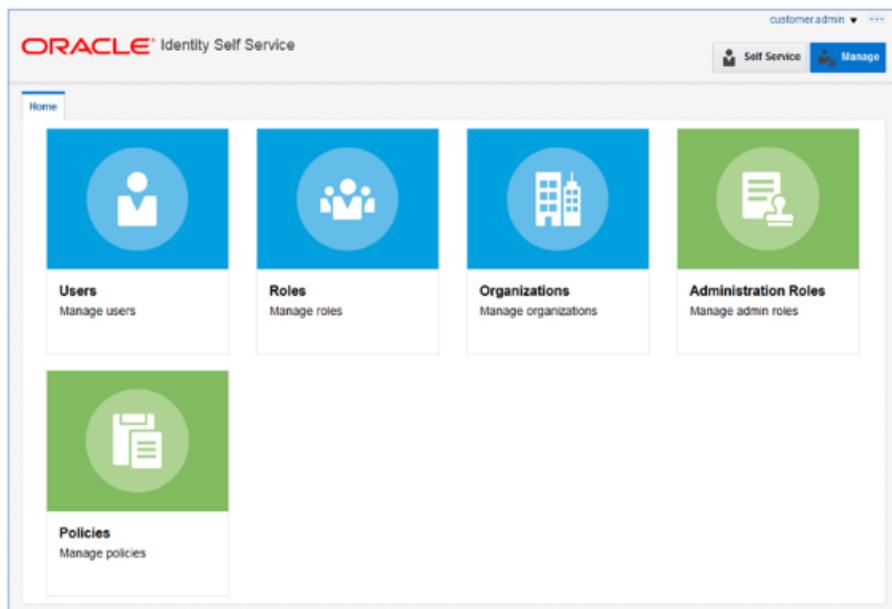
Oracle Identity Management (OIM) User Creation

Before users can access the Oracle Retail Demand Forecasting Cloud Service applications, it is necessary to provision access to the system for each user and to assign roles to each user to control what functionality is available to the user. The access provisioning is done using Oracle Identity Management (OIM). The following

steps explain how to define users, assign roles, and revoke access for users when needed. The OIM Application URL and the login with the required administrator access are needed to perform the following steps:

1. Log in to the OIM application.
2. Click **Manage Administration**.

Figure 1–1 Identity Self Service Window



3. Click **Users**.

Figure 1–2 Users Window



4. Under Actions, click **Create**. The Create User window opens.

Figure 1–3 Create User Window

The screenshot shows the 'Create User' window in Oracle Identity Self Service. The window title is 'ORACLE Identity Self Service'. There are tabs for 'Home', 'Users', and 'Create User'. The 'Create User' tab is selected. The form is titled 'Create User' and has buttons for 'Submit', 'Save As...', and 'Cancel'. The form is divided into three sections: 'Request Information', 'Basic Information', and 'Account Settings'. 'Request Information' includes 'Effective Date' and 'Justification'. 'Basic Information' includes 'First Name' (OCI), 'Middle Name', 'Last Name' (TEST), 'E-mail' (test-admin@oracle.com), 'Manager', 'Organization' (Retail), 'User Type' (Full-Time Employee), and 'Display Name' (OCI.TEST). 'Account Settings' includes 'User Login' (OCI.TEST), 'Password', and 'Confirm Password'.

5. Under Basic Information, enter the following:

- First Name
- Last Name
- For Organization, enter Retail
- For User, enter Full Time Employee
- E-mail: E-mail address of employee

6. Under Account Settings, enter:

- User Login: <firstname>.<lastname>

Note: Oracle recommends that the User Login be entered in upper case.

- Password
- Confirm Password

Note: If two employees have the same first name and last name or if you want to reuse the user login of a user that was deleted earlier, use the middle name initial in between the user login. For example: <firstname>.x.<lastname>

7. Click **Submit**.

8. To complete the user creation, follow the steps in the User Maintenance chapter in the *Oracle Retail Predictive Application Server Administration Guide for the Fusion Client*.

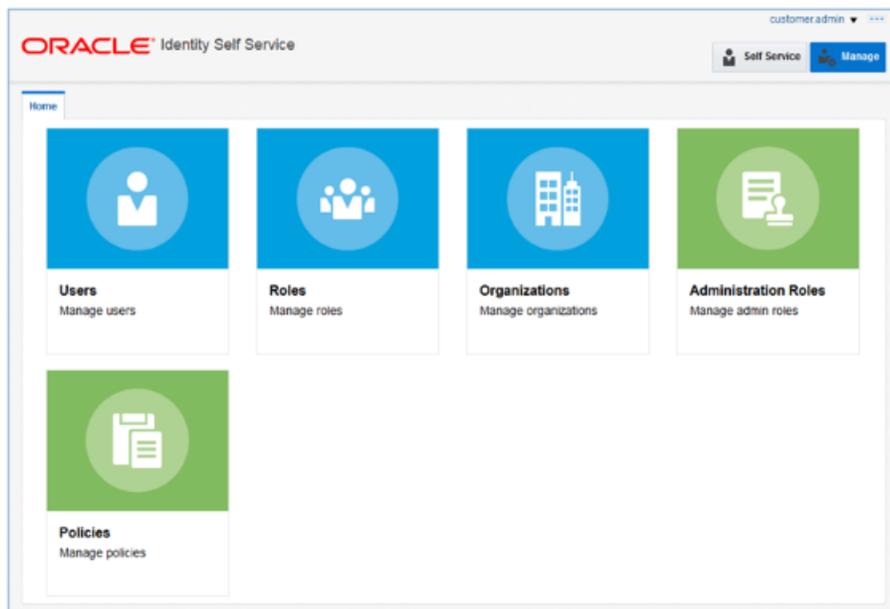
Note: The user name created in RPAS must exactly match the original case of the User Login entered in Step 6.

Assigning Members to a Role

To assign members to a role:

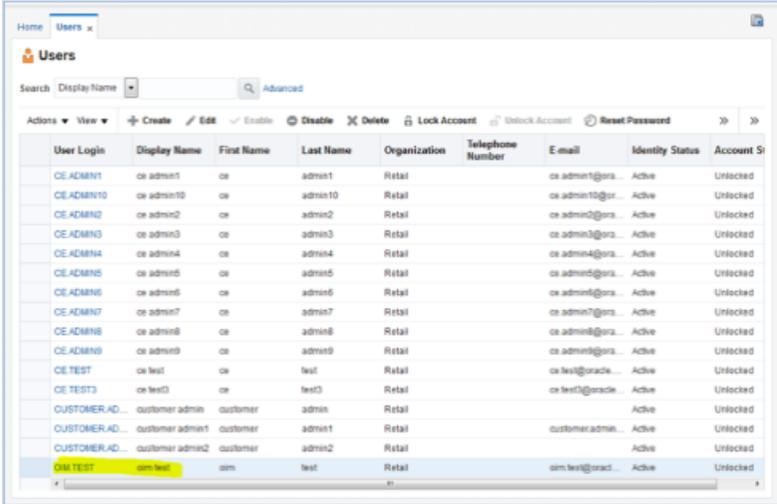
1. Log in to the OIM application.

Figure 1–4 Identity Self Service Window



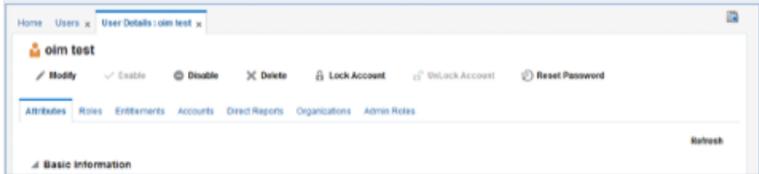
2. Click **Users**.
3. Click the user you want to select. In this example, `oim.test` is used.

Figure 1-5 Users Window



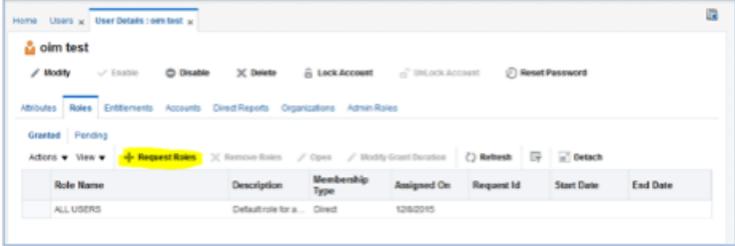
4. The User Details window opens. Click the Roles tab.

Figure 1-6 User Details Window



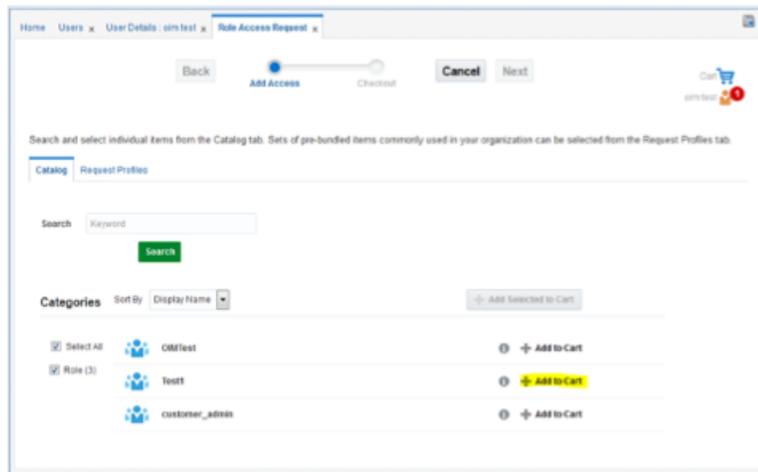
5. Click Request Roles.

Figure 1-7 Roles Window Request Roles List



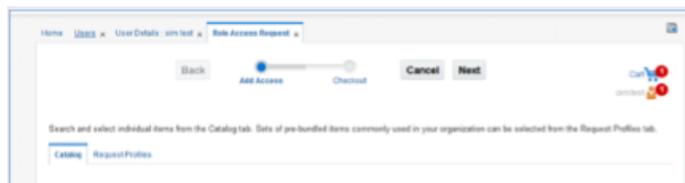
6. Click Add to Cart next to the role to assign.

Figure 1–8 Role Access Request Window



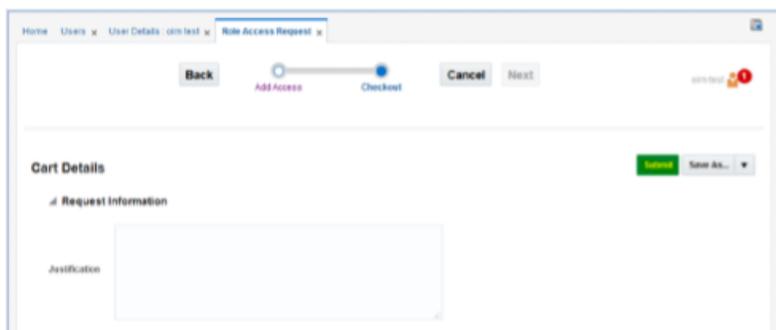
7. Click Next.

Figure 1–9 Cart Options Window

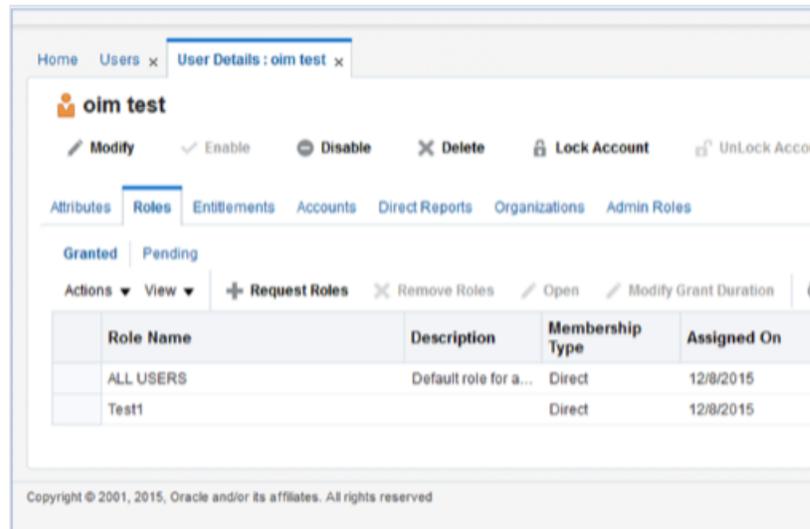


8. Click Submit.

Figure 1–10 Submit Option Window



The role is assigned to the user.

Figure 1–11 User Details Window

Retail Demand Forecasting Cloud Service (RDF Cloud Service) Default Enterprise Roles

RDF Cloud Service is built with role-based access. Permissions are associated with roles. [Table 1–1](#) lists the available roles.

Table 1–1 Retail Demand Forecasting Cloud Service Default Enterprise Roles

Application Module	Default Application Roles	Corresponding Application Roles
RDFCS	RDF_ADMIN	RDF_ADMIN
RDFCS	RDF_ANALYSTS	RDF_ANALYSTS
RDFCS	RDF_MANAGERS	RDF_MANAGERS

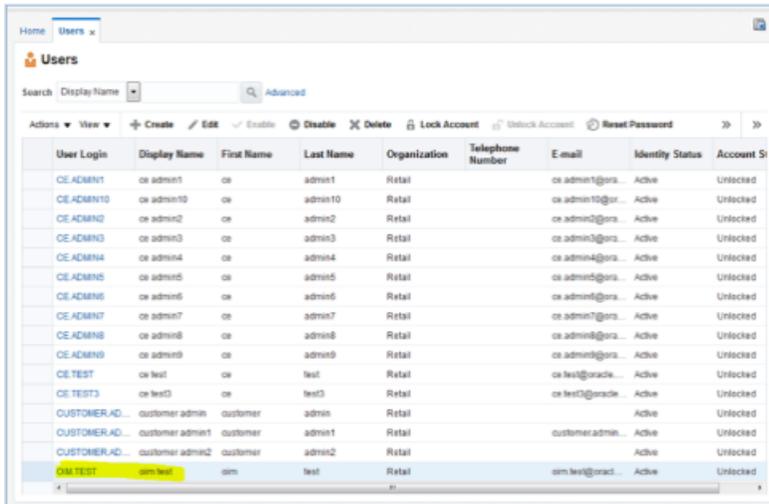
Assign the roles listed in [Table 1–1](#) to the user following the steps in the [Assigning Members to a Role](#) section as per your requirement.

Revoking Role Membership

To revoke the membership of a member in a role:

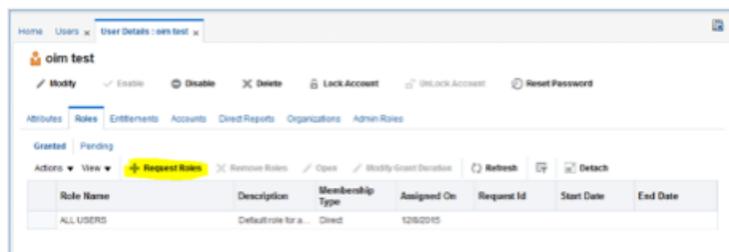
1. Log in to the OIM application.
2. Click **Users**.
3. Click the user you want to select. In this example, oim.test is used.

Figure 1–12 Users Window



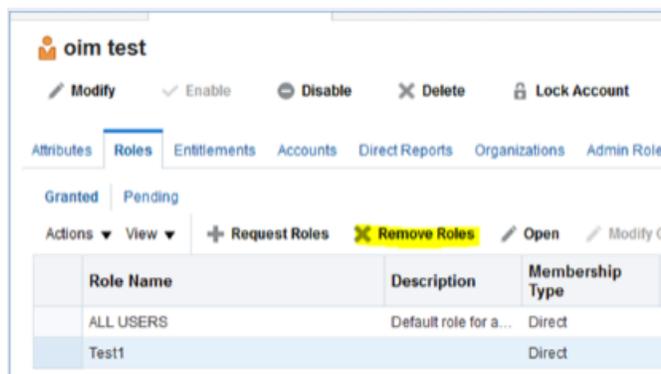
4. The User Details window opens. Click the Roles tab.

Figure 1–13 User Details Window

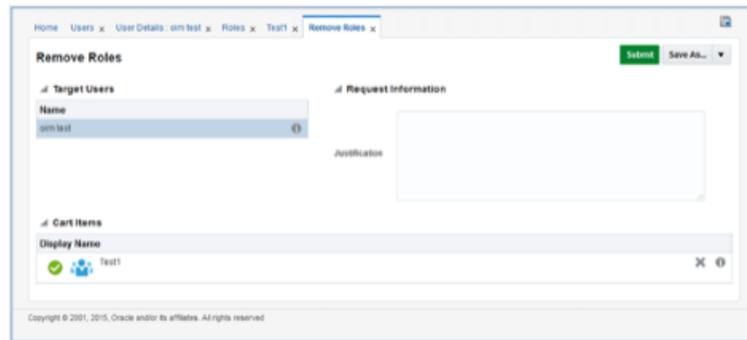


5. Select the role you want to revoke and click **Remove Roles**.

Figure 1–14 Revoke Roles Option



6. In the next section, click **Submit**.

Figure 1–15 Remove Roles Submit Option

Deleting a User or Disabling User Privileges

To delete or disable a user:

1. Log in to the OIM application.
2. Under Administration, click **Users**.
3. Select the user and click **Disable** or **Delete** as necessary.

Figure 1–16 Users Window

Display Name	User Login	First Name	Last Name	Organization	Tel No	E-mail	Identity Status	Access
customer admin user	CUSTOMER ADMIN	customer admin	user	Xelerte Users		rgas@oracle.com	Active	Unlock
OM ADMIN	OM ADMIN	OM	ADMIN	Retail		om-admin@orc...	Active	Unlock
om.test	OM TEST	om	test	Retail		test-admin@orac...	Active	Unlock
Internal User	OMINTERNAL	OMINTERNAL	OMINTERNAL	Xelerte Users			Active	Unlock
regularuser	REGULAR USER3	test	kan1	Retail		agatra.s.saravon...	Active	Unlock
Test User1	TESTUSER1	GA	Test1	Retail		noreply@orac...	Active	Unlock
Bi Bina Kanot	TESTUSER5	Bi	Kanot	Retail		biina.kanot@orc...	Active	Unlock
Siba Karth	TESTUSER7	Siba	Karth	Retail		siba.karth@orac...	Active	Unlock
GA CE	TESTUSER8	GA	CE	Retail		GA.CE@oracle.com	Active	Unlock
Weblogic User	WEBLOGIC	WEBLOGIC	WEBLOGIC	Xelerte Users			Active	Unlock
Systems Administrator	XELSYSADM	System	Administrator	Xelerte Users		donoreply@orac...	Active	Unlock
kanot Anb	ANB		ANB	Retail		kanotAnb@orac...	Active	Unlock

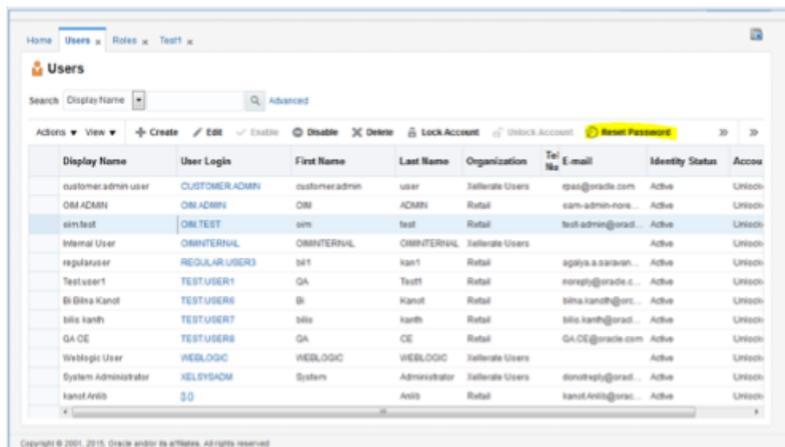
Locking or unlocking a particular user can also be done from this same window if needed.

Resetting a User Password

To reset the password of a user:

1. Log in to the OIM application.
2. Under Administration, click **Users**.
3. Click the **Search** tab and then select the user for which you want to reset the password.
4. Click **Reset Password**.

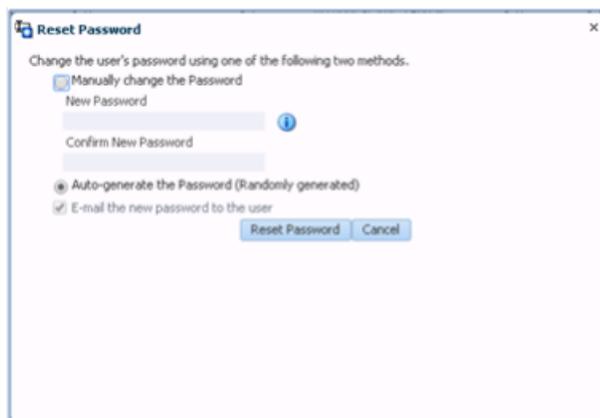
Figure 1–17 Reset Password



5. In the Reset Password window, make sure Auto-generate the Password is selected and click **Reset Password**. The system auto-generates the password and sends an email to the user.

If you want to set the password manually, click **Manually Change the Password**, update the new password, and click **Reset Password**.

Figure 1–18 Reset Password Dialog Box

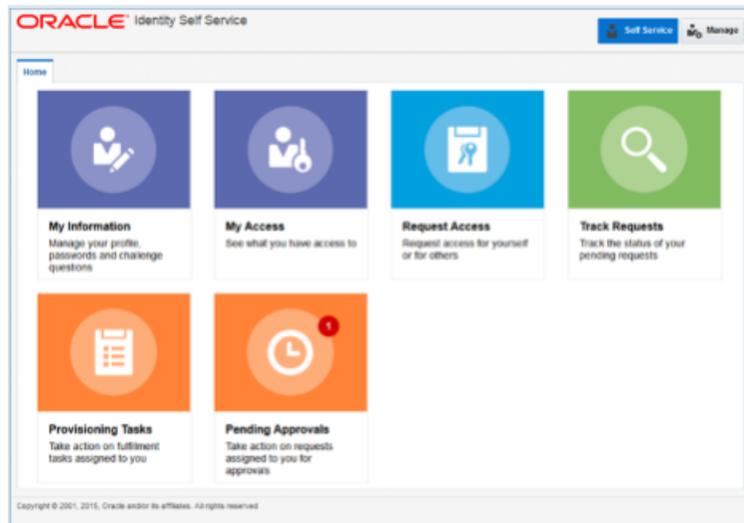


Approving Requests from a User

Users can also request additional roles that are available for users to access the RDF Cloud Service (or ask to revoke them). To approve the request from a user:

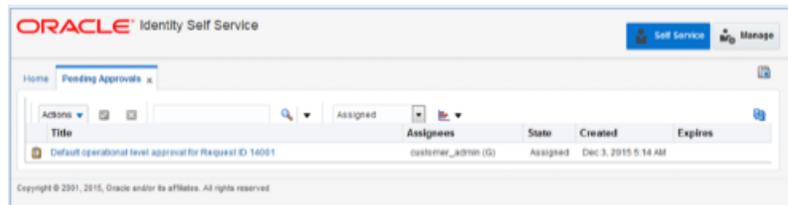
1. Log in to the OIM application.
2. Click **Pending Approvals**.

Figure 1–19 Identity Self Service Window with Pending Approvals



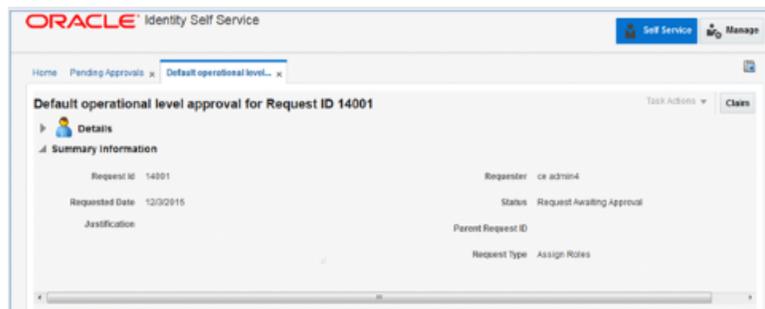
3. Click the action assigned to you.

Figure 1–20 Pending Approvals Tab



4. Click Claim.

Figure 1–21 Pending Claim Summary Information



5. Click **Approve** or **Reject**. The request completes.

Figure 1–22 Pending Approval Summary Information

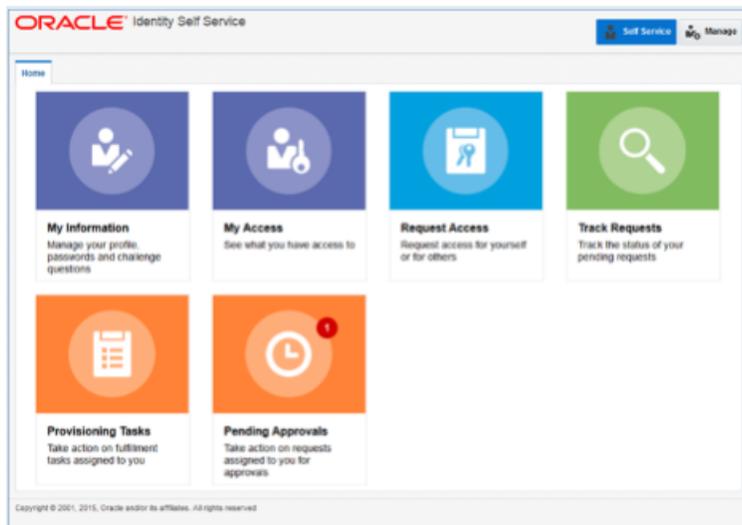


Approving Requests from a User for Multiple Roles

Users can also request multiple roles that are available for users to access the RDF Cloud Service (or ask to revoke them). To approve the request from a user:

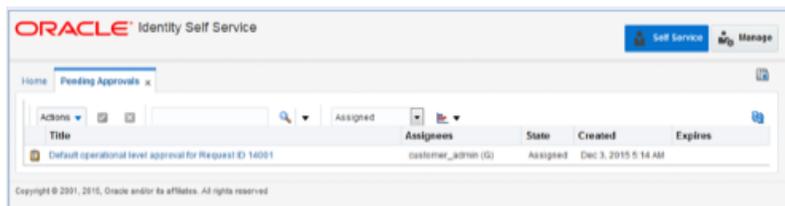
1. Log in to the OIM application.
2. Click **Pending Approvals**.

Figure 1–23 Identity Self Service Window with Pending Approvals



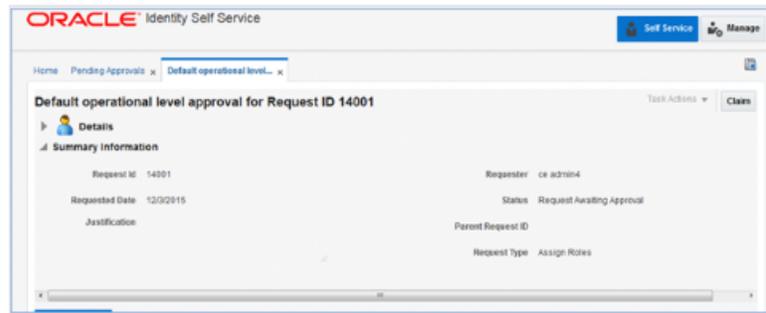
3. Click the action assigned to you.

Figure 1–24 Pending Approvals Tab



4. Click **Claim**.

Figure 1–25 Pending Claim Summary Information



5. Click **Approve** or **Reject**.

Figure 1–26 Pending Approval Summary Information



6. Once done, if approved, the request is split into multiple requests, one for each role for each user. Approve all of them by following Steps 3 to 5.
7. Once all the requests are approved, all the roles are assigned to the users.

Note: The customer administrator can request multiple roles for multiple users. Once the request is made, the customer administrator is required to approve the request using the Approve Requests from User for Multiple Roles process.

Importing a Batch of User Accounts

If a large number of users must be created, the Oracle team can bulk load the users into the OIM application. When users are bulk loaded, each initial password is set to the current password of a template user. The new users are required to change the password on their first login.

To request the creation of accounts by bulk loading:

1. Create a CSV file listing all users to create. Following is an example of this file.

```
#####
filename.csv
#####
#####
USR_LOGIN,USR_FIRST_NAME,USR_LAST_NAME,USR_EMAIL,ORG_NAME
CE.ADMIN1,ce,admin1,CE.ADMIN1@oracle.com,Retail
CE.ADMIN2,ce,admin2,CE.ADMIN2@oracle.com,Retail
CE.ADMIN3,ce,admin3,CE.ADMIN3@oracle.com,Retail
CE.ADMIN4,ce,admin4,CE.ADMIN4@oracle.com,Retail
```

```
CE.ADMIN5,ce,admin5,CE.ADMIN5@oracle.com,Retail
CE.ADMIN6,ce,admin6,CE.ADMIN6@oracle.com,Retail
CE.ADMIN7,ce,admin7,CE.ADMIN7@oracle.com,Retail
CE.ADMIN8,ce,admin8,CE.ADMIN8@oracle.com,Retail
CE.ADMIN9,ce,admin9,CE.ADMIN9@oracle.com,Retail
CE.ADMIN10,ce,admin10,CE.ADMIN10@oracle.com,Retail
#####
```

2. Create or identify a user whose password is used as the initial password for all created users.
3. Open an SR with Oracle Support and provide the CSV file and user from Steps 1 and 2.

Bulk Role Membership Update (Optional)

If a considerable number of users need to have roles to be assigned, the Oracle team can bulk update the role membership into the OIM application. However, Oracle recommends that a customer administrator use the Identity Management application to do these assignments.

To update the membership by bulk update:

1. Create a CSV file with the user role mapping. Note that the user name must be in upper case. See the following example:

```
#####
role.csv
#####
#####
UGP_NAME,USR_LOGIN
Role1,CE.ADMIN1
Role1,CE.ADMIN2
Role3,CE.ADMIN3
Role4,CE.ADMIN4
Role5,CE.ADMIN5
Role6,CE.ADMIN6
Role7,CE.ADMIN7
Role8,CE.ADMIN8
Role2,CE.ADMIN8
Role2,CE.ADMIN9
#####
```

2. Open an SR with Oracle Support and provide the CSV file and user name from Step 1.

Note: If more than one role is to be attached to a particular user, add one more row with the role that the user is to have and the user name. Refer to the CE.ADMIN1 in the above example.

Nightly Batch File Uploads

The following steps describe the file upload process. For details regarding file contents and formatting, see the *Oracle Retail Demand Forecasting Cloud Service Implementation Guide*. For information about how the uploaded files are used for different administration tasks, see [Chapter 2, "Online Administration Tools."](#)

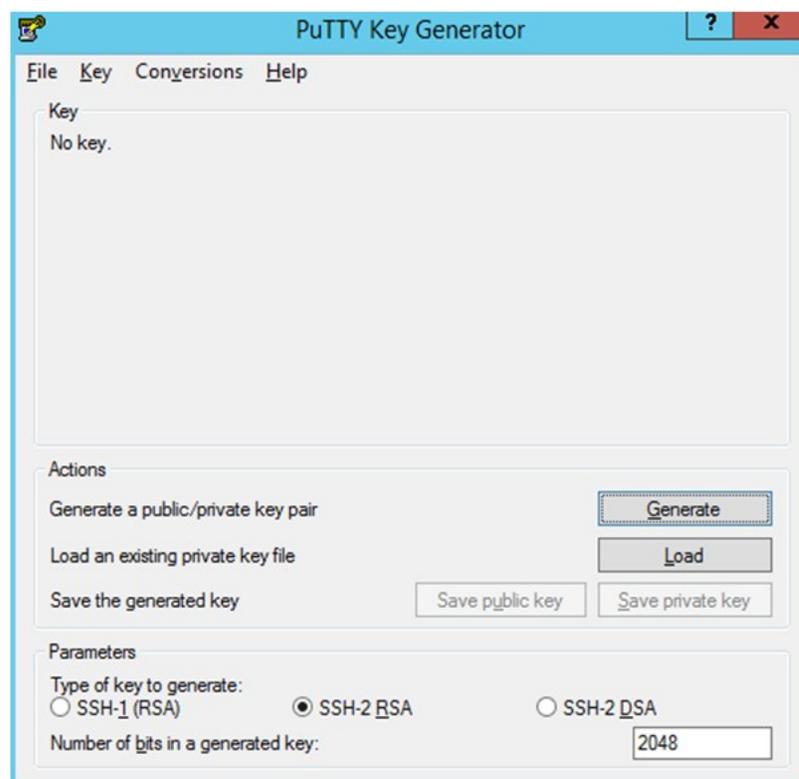
The Private/Public keys must be generated and the Public key must be associated with your SFTP Account for the file uploads. The [Adding Authorized Keys](#) section describes the step-by-step method to generate the keys (2048 bit RSA Keys).

Adding Authorized Keys

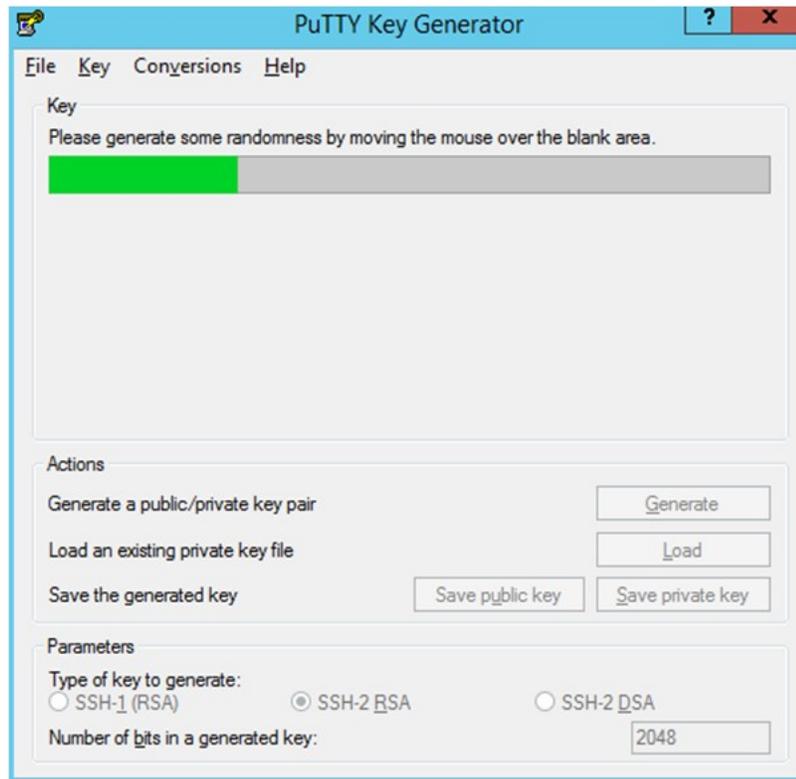
The following is the process to generate a 2048 bit RSA key and add the same to the SFTP server. This is done with the help of the WinSCP tool on Windows. However, the same can be done using ssh-keygen on Linux as well.

1. Launch WinSCP and select Tools > Run PuttyGen.
2. Select "SSH-2 RSA" for the type of key to generate and enter "2048" for the number of bits in a generated key field. Click **Generate**.

Figure 1–27 Key Generator



3. Move the mouse over the blank space in the window until the key is generated.

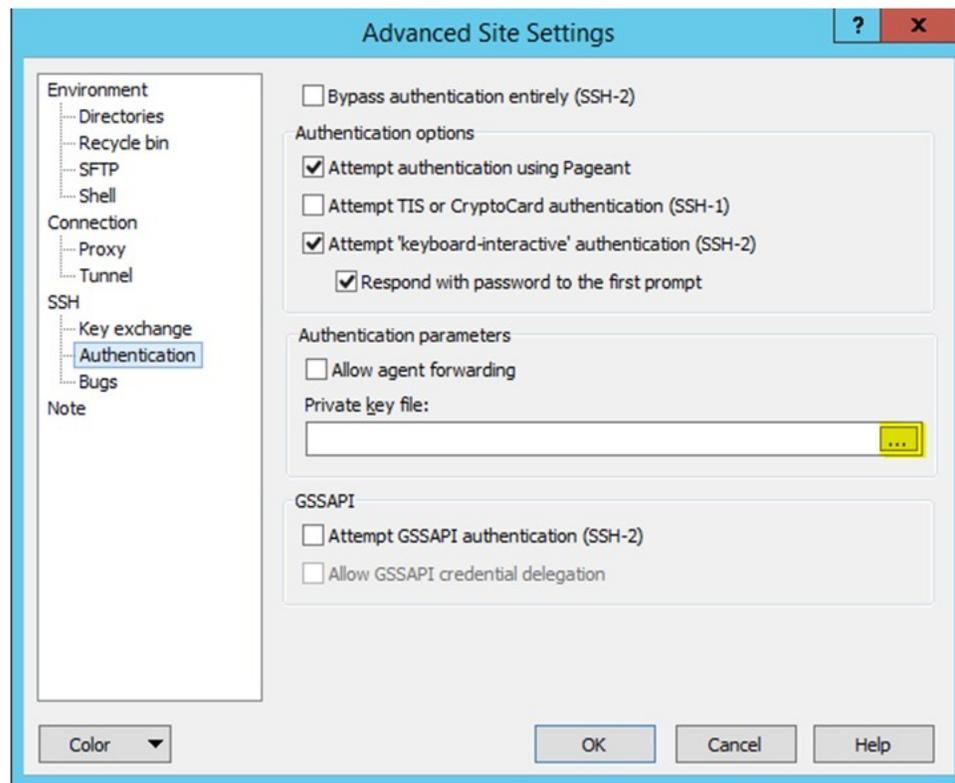
Figure 1–28 Key Generator Progress

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

Logging In to WinSCP

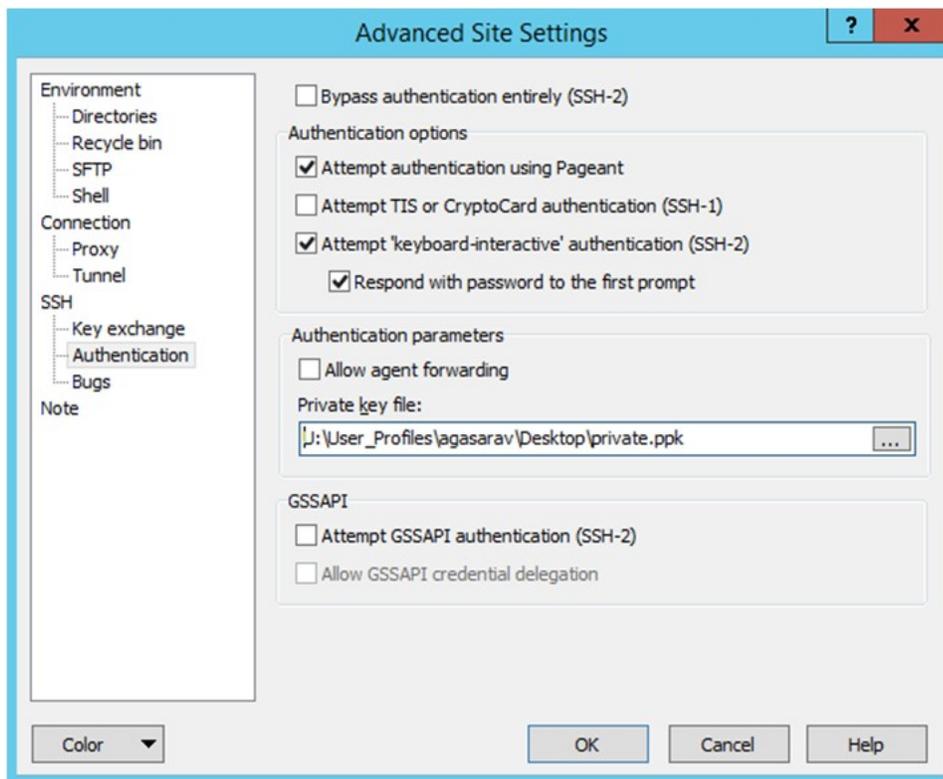
The upload steps use the private key generated in the [Adding Authorized Keys](#) section.

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

Figure 1–29 Advanced Site Settings Dialog

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

Figure 1–30 Private Key File Loaded



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

Uploading the Batch File

To upload the batch file:

1. Log in to WinSCP. Follow the steps in "Logging In to WinSCP."
2. Transfer all the data files to the directory /<SFTP User>.
3. Create a directory named COMMAND under /<SFTP User> if it does not already exist.
4. Change to the /<SFTP User>/COMMAND directory.
5. Transfer an empty file named COMPLETE.

Export File Downloads

The following is the download file process. For information about different administration tasks that create different exports from the application, see [Chapter 2, "Online Administration Tools."](#) For information about the file contents of various exports and formatting, see the *Oracle Retail Demand Forecasting Cloud Service Implementation Guide*.

1. Log in to WinSCP. Follow the steps in "Logging In to WinSCP."
2. Change directory to /<SFTP User>/EXPORT.
3. Download all data files.

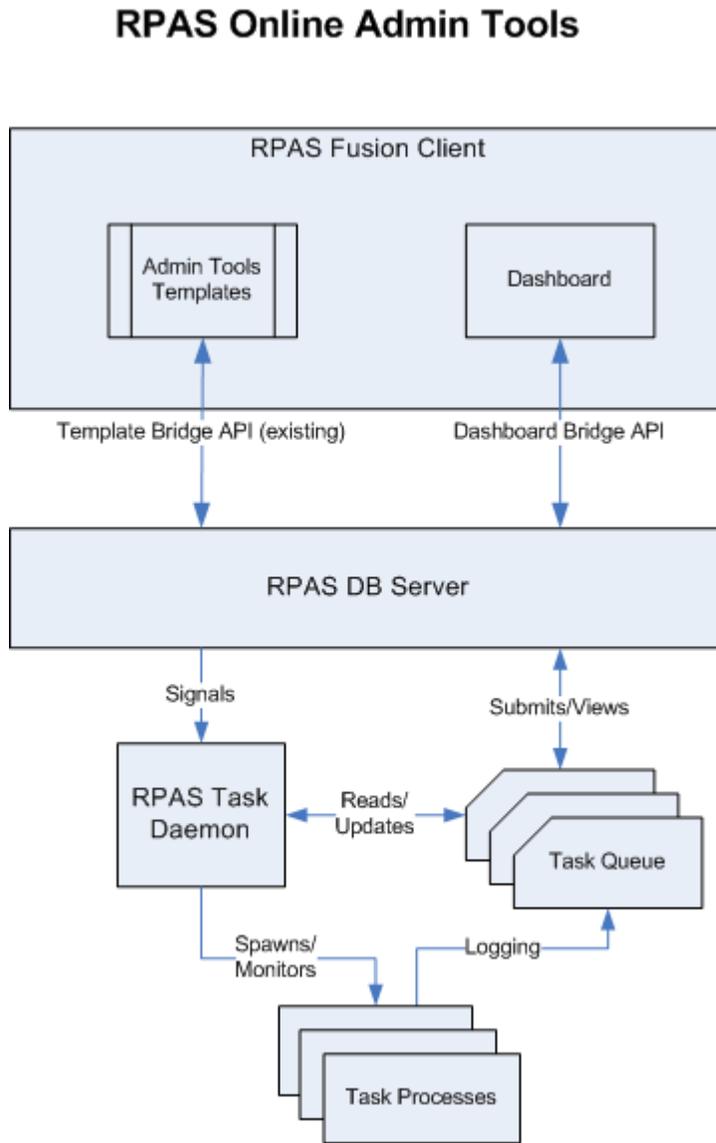
Online Administration Tools

Retail Demand Forecasting Cloud Service uses RPAS Online Admin Tools as part of scheduling RPAS utilities and scripts that need to be scheduled to run batch on Cloud as the users will not have access to directly schedule scripts or run utilities on the domain server. Admin users can view the results of the scheduled scripts/utilities log in a dashboard using the Fusion Client. RPAS Online Admin Tools supports scheduling of standard RPAS utilities and, in addition, scheduling application specific scripts/utilities. Application Specific admin tasks that are pre-configured for RDFCS are explained in detail in the subsequent sections.

Refer to the *Oracle Retail Predictive Application Server Administration Guide for the Fusion Client* for more details about Online Admin Tools and Standard Admin Tasks.

Figure 2-1 shows the high-level architecture of RPAS Online Admin tools.

Figure 2–1 Architecture of RPAS Online Admin Tools



Standard Admin Tasks

Standard Admin Online tasks are pre-configured tasks to call all standard RPAS APIs in a cloud environment. Refer to the *Oracle Retail Predictive Application Server Administration Guide for the Fusion Client* for more details about Standard Admin Tasks.

Application Specific Admin Tasks - RDF Cloud Service Admin Tasks

Application specific admin tasks are pre-configured for RDF Cloud Service and those can be found in Online Admin Tools as RDF Cloud Service Admin Tasks.

Table 2–1 shows the list of application specific admin tasks that are pre-configured for RDF Cloud Service.

Each task in turn calls pre-defined batch scripts to do the required tasks. Refer to the *Oracle Retail Demand Forecasting Cloud Service Implementation Guide* for more details

about the batch scripts specific to RDF Cloud Service that are called by Online Admin Tool Tasks.

Some tasks need data files or hierarchy files as input and those need to be uploaded before scheduling those tasks. Some tasks export files out of the application and those are copied to an FTP location and from there users can download the exported files.

The main task, [Batch](#), is pre-defined to run all necessary steps. It is expected to be run on a weekly basis and can be configured to skip steps. In addition all required tasks are defined as separate individual tasks to run them on an ad hoc basis.

Note: All RDF Cloud Service tasks are configured to be run only on the master domain. None need to be run offline.

Table 2–1 *RDF Cloud Service Admin Tasks*

RDF Cloud Service Admin Tasks
Batch
Clone
Export for AIP - Cumulative Interval
Export for AIP - Forecast
Export for APC-RO
Export - Forecast
Export for RMS - Forecast and Forecast Error
Fetch Input Data
Find Alerts
Load Bayesian Plan
Load Data
Load Hierarchies
New Item and New Store Batch
Preprocess
Push Output Data
Run Forecast
Run Causal Estimation
AutoSource

Batch

Exclusive lock: Yes

Script: rdf_batch.ksh

The Batch task is the main task expected to be configured once and run on a weekly basis. It includes all the steps expected to be run in a weekly RDF batch. Inputs to this task will be forecast levels to run (baseline, causal or both), RPAS_TODAY (optional), and which steps to run. Depending on the "Export timing" parameter, the export steps will either be run at the start of the batch (steps 3 to 8) or at the end of batch (steps 23 to 28). The steps are shown in [Table 2–2](#).

Steps

Table 2–2 lists the steps in a weekly RDF batch.

Table 2–2 RDF Cloud Service Batch Steps

Step	Task
1	Set optional RPAS_TODAY
2	Custom hook - pre batch
3	Export approved forecast
4	Export approved forecast to AIP
5	Export forecast error to AIP
6	Export forecast and forecast error to RMS
7	Custom hook - post export
8	Push output files to staging area
9	Custom hook - pre fetch
10	Fetch input data from staging area
11	Load hierarchies
12	Custom hook - post load hierarchy
13	Load measure data
14	Custom hook - post load measure
15	Preprocess batch
16	New item and new store batch
17	Clone
18	Custom hook - pre forecast
19	Run forecast
20	Custom hook - post forecast
21	Find alerts
22	Custom hook - post alerts
23	Export approved forecast
24	Export approved forecast to AIP
25	Export forecast error to AIP
26	Export forecast and forecast error to RMS
27	Custom hook - post export
28	Push output files to staging area
29	Custom hook - post batch

Configurable Parameters

If nothing is selected from the step, “Custom hook - pre fetch” to “Custom hook - post batch”, it runs all the steps.

Refer to the *Oracle Retail Demand Forecasting Cloud Service Implementation Guide* for details of the script called by this task.

Table 2–3 Configurable Parameters: Batch

Parameter	Required	Valid values	Description
Final forecast levels	Y	Baseline, Baseline and Causal, Causal	For the <i>Run forecast batch</i> step, this parameter identifies which final levels are forecasted.
Export forecast levels	N	Baseline, Baseline and Causal, Causal	For all of the export steps, this parameter identifies which final levels are forecasted. It defaults to the Final forecast levels value.
Export timing	N	Start, End	Indicates whether to run the export steps at the start of batch (steps 3 to 8) or at the end of batch (23 to 28). If not selected, the default is at the start of batch.
RPAS_TODAY	N	A date in YYYYMMDD format	Unless trouble-shooting, this should be left empty. It defaults to the current server date. If provided, the date needs to be within the range of the day dimension of the calendar hierarchy. Other considerations also apply.
Custom hook - pre batch	N	True, null	This step calls the "CustomPreBatch" batch task group using the RPAS Enterprise Edition (EE) batch execution framework. See the <i>Oracle Retail Merchandise Financial Planning Enterprise Edition Cloud Service and Assortment Planning Enterprise Edition Cloud Service Implementation Guide</i> for details.
Export forecast	N	True, null	This step exports the approved forecast of the Export forecast levels to a csv file. The file name is appf<level>.csv. See the Export - Forecast task for details. If null, it is not run.
Export intersection for 'Export forecast' task	N	Null or any intersection above, at, or below the base intersection of the final level being exported.	This parameter sets the intersection at which the forecast is exported for the Export Forecast step only. See the Export - Forecast task for details. If null, the default is the base intersection of the final level.
Export forecast for AIP	N	True, null	This step exports the approved forecast of the Export forecast levels in AIP-ready format in a fixed width flat file. The file name is sr0_frclvl2_<level>.txt. See the Export for AIP - Forecast task for details. If null, it is not run.
Export forecast error for AIP	N	True, null	This step exports the first period of the cumulative interval of the Export forecast levels in AIP-ready format in a fixed width flat file. The file name is sr0_fcterrlvl2_<level>.txt. See the Export for AIP - Forecast Error task for details. If null, it is not run.
Export forecast and forecast error for RMS	N	True, null	This step exports the approved forecast and the first period of the cumulative interval of the Export forecast levels in RMS format in a delimited flat file. The output file name is wsdemand.<level> if at week or dsdemand.<level> if at day. See the Export for RMS - Forecast and Forecast Error task for details. If null, it is not run.

Table 2–3 (Cont.) Configurable Parameters: Batch

Parameter	Required	Valid values	Description
Custom hook - post export	N	True, null	This step calls the "CustomPostExport" batch task group using the RPAS EE batch execution framework. See the <i>Oracle Retail Merchandise Financial Planning Enterprise Edition Cloud Service and Assortment Planning Enterprise Edition Cloud Service Implementation Guide</i> for details.
Push output files to staging area	N	True, null	This step pushes data to the FTP outgoing directory from the \$RDF_EXPORT_DIR directory.
Custom hook - pre fetch	N	True, null	This step calls the "CustomPreFetch" batch task group using the RPAS EE batch execution framework. See the <i>Oracle Retail Merchandise Financial Planning Enterprise Edition Cloud Service and Assortment Planning Enterprise Edition Cloud Service Implementation Guide</i> for details.
Fetch input data from staging area	N	True, null	This step fetches data from the FTP incoming directory to the master domain input directory. See the Fetch Input Data task for details. If null, it is not run.
Load all hierarchy data	N	True, null	This step loads all the basic hierarchy files used by RDF in the weekly batch run. See the Load Hierarchies task for details. If null, it is not run.
Custom hook - post load hierarchy	N	True, null	This step calls the "CustomPostLoadHier" batch task group using the RPAS EE batch execution framework. See the <i>Oracle Retail Merchandise Financial Planning Enterprise Edition Cloud Service and Assortment Planning Enterprise Edition Cloud Service Implementation Guide</i> for details.
Load all measure data	N	True, null	This step loads all the data used by RDF in the weekly batch run. See the Load Data task for details. If null, it is not run.
Custom hook - post load measure	N	True, null	This step calls the "CustomPostLoadMeas" batch task group using the RPAS EE batch execution framework. See the <i>Oracle Retail Merchandise Financial Planning Enterprise Edition Cloud Service and Assortment Planning Enterprise Edition Cloud Service Implementation Guide</i> for details.
Run preprocessing batch	N	True, null	This step runs the preprocessing batch. See the Preprocess task for details. If null, it is not run.
Run new item batch	N	True, null	This step runs the new item and new store batch script to create recommendations if item attributes and weights exist. See the New Item and New Store Batch task for details. If null, it is not run.
Run cloning batch	N	True, null	This step runs the cloning rule groups. See the Clone task for details. If null, it is not run.

Table 2–3 (Cont.) Configurable Parameters: Batch

Parameter	Required	Valid values	Description
Custom hook - pre forecast	N	True, null	This step calls the "CustomPreForecast" batch task group using the RPAS EE batch execution framework. See the <i>Oracle Retail Merchandise Financial Planning Enterprise Edition Cloud Service and Assortment Planning Enterprise Edition Cloud Service Implementation Guide</i> for details.
Run forecast batch	N	True, null	This step runs the generate the forecast for the selected levels. See the Run Forecast task for details. If null, it is not run.
Custom hook - post forecast	N	True, null	This step calls the "CustomPostForecast" batch task group using the RPAS EE batch execution framework. See the <i>Oracle Retail Merchandise Financial Planning Enterprise Edition Cloud Service and Assortment Planning Enterprise Edition Cloud Service Implementation Guide</i> for details.
Find alerts	N	True, null	This step runs the alerts. See the Find Alerts task for details. If null, it is not run.
Custom hook - post alerts	N	True, null	This step calls the "CustomPostAlerts" batch task group using the RPAS EE batch execution framework. See the <i>Oracle Retail Merchandise Financial Planning Enterprise Edition Cloud Service and Assortment Planning Enterprise Edition Cloud Service Implementation Guide</i> for details.
Custom hook - post batch	N	True, null	This step calls the "CustomPostBatch" batch task group using the RPAS EE batch execution framework. See the <i>Oracle Retail Merchandise Financial Planning Enterprise Edition Cloud Service and Assortment Planning Enterprise Edition Cloud Service Implementation Guide</i> for details.

Clone

Exclusive lock: No

Script: rdf_clone.ksh

This task runs the rule groups; clone_batch, clone_adjust, and clone_adj_run.

Configurable Parameters

This task has no configurable parameters.

Refer to the *Oracle Retail Demand Forecasting Cloud Service Implementation Guide* for details about the script called by this task.

Export - Forecast

Exclusive lock: No

Script: rdf_e_appf.ksh

This task can be used to export the approved forecast of any final level from RDF in csv format. Export intersection is configurable but must be above, at, or below to the final level intersection. The order of the export file is always calendar dimension,

product dimension, location dimension, and then forecast. For the calendar dimension, it always uses the position of the last day of the period in the export. That is, if week is selected, it exports the file with one row per week but it shows the last day of the week position name rather than the week position name.

Configurable Parameters

Refer to the *Oracle Retail Demand Forecasting Cloud Service Implementation Guide* for details about the scripts called by this task.

Table 2–4 Configurable Parameters: Export - Forecast

Parameter	Required	Valid values	Description
Final forecast level (for example, 01)	Y	Two digit number (for example, 01 or 07)	This parameter identifies which final level is forecasted. Only one may be specified.
Output file name (no path allowed)	Y	Any valid file name according to OS	The output file is placed in \$RDF_EXPORT_DIR.
Forecast start date (YYYYMMDD)	N	A date in YYYYMMDD format. This defaults to the current server date.	If provided, the date needs to be within the range of the day dimension of the calendar hierarchy. It exports the forecast starting from this date.
Export intersection (default is base intersection of 'Approved Forecast')	N	Intersection that is above, at, or below the base intersection of the final level. Must use 4 characters for each dimension. (that is, itemstr_week)	Determines the intersection at which to export the data.

Export for AIP - Forecast Error

Exclusive lock: No

Script: rdf_e_aip_cumint.ksh

This task exports the cumulative interval for the first period of the forecast from RDF for AIP in a flat file. Final level should be either at day/item/store or week/item/store for the script to work properly. Export intersection matches the final level intersection except it will not include the calendar hierarchy. The order of the export file is always store, item, and then interval.

Configurable Parameters

Refer to the *Oracle Retail Demand Forecasting Cloud Service Implementation Guide* for details about the scripts called by this task.

Table 2–5 Configurable Parameters: Export for AIP - Forecast Error

Parameter	Required	Valid values	Description
Final forecast level (for example, 01)	Y	Two digit number (for example, 01 or 07)	This parameter identifies which final level is exported. Only one may be specified. Intersection of the final level should be day/item/store or week/item/store.
Output file name (no path allowed)	Y	Any valid file name according to OS	The output file is placed in \$RDF_EXPORT_DIR.
Forecast start date (YYYYMMDD)	N	A date in YYYYMMDD format.	This defaults to the current server date. If provided, the date needs to be within the range of the day dimension of the calendar hierarchy. It exports the interval starting from this date.
Store column prefix	N	A string of alphanumeric characters. Normally S.	This prefix is prepended to the position name of the store dimension on export.

Export for AIP - Forecast

Exclusive lock: No

Script: rdf_e_aip_appf.ksh

This task exports the approved forecast from RDF for AIP in a flat file. Final level should be either at day/item/store or week/item/store for the script to work properly. Export intersection matches the final level intersection. If the final level is at week, the end of week position name for day is exported instead of the week position name. The order of the export file is always day, store, item, and then forecast.

Configurable Parameters

Refer to the *Oracle Retail Demand Forecasting Cloud Service Implementation Guide* for details about the scripts called by this task.

Table 2–6 Configurable Parameters: Export for AIP - Forecast

Parameter	Required	Valid values	Description
Final forecast level (for example, 01)	Y	Two digit number (for example, 01 or 07)	This parameter identifies which final level is exported. Only one may be specified. Intersection of the final level should be day/item/store or week/item/store.
Output file name (no path allowed)	Y	Any valid file name according to OS	The output file is placed in \$RDF_EXPORT_DIR.
Forecast start date (YYYYMMDD)	N	A date in YYYYMMDD format.	This defaults to the current server date. If provided, the date needs to be within the range of the day dimension of the calendar hierarchy. It exports the interval starting from this date.
Store column prefix	N	A string of alphanumeric characters. Normally S.	This prefix is prepended to the position name of the store dimension on export.
Calendar column prefix	N	A string of alphanumeric characters. Normally D.	This prefix is prepended to the position name of the day dimension on export.

Export for APC-RO

Exclusive lock: Yes

Script: rdf_e_apcro.ksh

This task is not part of the overall Batch task. This task runs the forecast for multiple start dates (normally 52) and exports the multiple forecasts from RDF for APC-RO in a flat file. This task can take a very long time and is not expected to be a regularly scheduled task. It should be run on an as-needed basis only. Final level should be either at week/item/store for the script to work properly. Export intersection matches the final level intersection. The end of week position name for day is exported instead of the week position name.

Configurable Parameters

Refer to the *Oracle Retail Demand Forecasting Cloud Service Implementation Guide* for details about the scripts called by this task.

Table 2-7 Configurable Parameters: Export for APC-RO

Parameter	Required	Valid values	Description
Final forecast level (for example, 01)	Y	Two digit number (for example, 01 or 07)	This parameter identifies which final level is exported. Only one may be specified. Intersection of the final level should be week/item/store.
Forecast start date file name	Y	Any valid file name according to OS	A file that contains a list of forecast start dates in format YYYYMMDD (for example, 20101130). If the <i>Fetch datelist</i> option is not selected, the file must exist in the input directory of the master domain. If it is selected, it can either be in the input directory or in the \$INCOMING_FTP_PATH.
Output path and file name	Y	Any valid file name according to OS	none
Day of week profile measure	N	A valid RPAS measure name	The optional day of week profile measure name to spread the date from week to day. (for example, dowprof)
Mask measure (at item/store intersection)	N	A valid RPAS measure name	The measure name of a boolean measure at item/store intersection (for example, apcroexptmask). This is used to filter the export.
Flag to switch the order of merchandise and store in output (default is merchandise then store)	N	Select or clear the check box	A clear check box is merchandise then store. A selected check box is store then merchandise.
Sunday's position (from 1 to 7) in DOW hierarchy (default is 2)	N	Integer from 1 to 7 inclusive	Sunday's position in the day of week (DOW) hierarchy. The default if left blank is 2.

Table 2-7 (Cont.) Configurable Parameters: Export for APC-RO

Parameter	Required	Valid values	Description
Fetch datelist, mask data, and DOW profile data from incoming FTP location	N	Select or clear the check box	If selected, it attempts to fetch the needed data from \$INCOMING_FTP_PATH and copy to the master domain input folder.
Load mask and DOW profile measures	N	Select or clear the check box	If selected, it attempts to load the mask and DOW profile measures into the domain from the master domain input folder.
Push output files to outgoing FTP location	N	Select or clear the check box	If selected, it pushes the output file to the \$OUTGOING_FTP_PATH and creates a zero byte file \$OUTGOING_FTP_PATH/COMMAND.

Export for RMS - Forecast and Forecast Error

Exclusive lock: No

Script: rdf_e_rms.ksh

This task exports the approved forecast and one period of the interval from RDF for RMS in a flat file. Final level should be either at day/item/store or week/item/store for the script to work properly. Export intersection matches the final level intersection. If the final level is at week, the end of week position name for day is exported instead of the week position name.

Configurable Parameters

Refer to the *Oracle Retail Demand Forecasting Cloud Service Implementation Guide* for details about the scripts called by this task.

Table 2-8 Configurable Parameters: Export for RMS - Forecast and Forecast Error

Parameter	Required	Valid values	Description
Final forecast level (for example, 01)	Y	Two digit number (for example, 01 or 07)	This parameter identifies which final level is exported. Only one may be specified. Intersection of the final level should be day/item/store or week/item/store.
Forecast start date (YYYYMMDD)	N	A date in YYYYMMDD format.	This defaults to the current server date. If provided, the date needs to be within the range of the day dimension of the calendar hierarchy. It exports the interval starting from this date.
Domain type	Y	Issues or Sales	If "Issues", the output file name is widemand.<level> if at week or didemand.<level> if at day. If "Sales", the output file name is wsdemand.<level> if at week or dsdemand.<level> if at day. There is no other impact of this setting.
Data width (default is 14)	N	Integer from 7 to 18 inclusive.	Specifies the width of the data fields for forecast and interval.

Fetch Input Data

Exclusive lock: No

Script: rdf_fetch_input.ksh

This step fetches hierarchy and measure date files from the FTP incoming directory to the master domain “input” directory. For measure files, it copies any file with an *ovr* extension. For hierarchy files, it looks for valid hierarchy data file names that include *dat* in the file extension.

Configurable Parameters

This task has no configurable parameters.

Refer to the *Oracle Retail Demand Forecasting Cloud Service Implementation Guide* for details about the scripts called by this task.

Find Alerts

Exclusive lock: No

Script: `rdf_find_alerts.ksh`

This task runs the alerts as specified at implementation time in the `rdf_find_alerts.ctl` file.

Configurable Parameters

This task has no configurable parameters.

Refer to the *Oracle Retail Demand Forecasting Cloud Service Implementation Guide* for details about the scripts called by this task.

Load Bayesian Plan

Exclusive lock: No

Script: `rdf_load_bayesian_plan.ksh`

This task optionally fetches the Bayesian plan measure data files from the FTP incoming directory to the master domain input directory, loads the measures into the domain, and spreads the plans from source level to final level.

Configurable Parameters

Refer to the *Oracle Retail Demand Forecasting Cloud Service Implementation Guide* for details about the scripts called by this task.

Table 2–9 Configurable Parameters: Load Bayesian Plan

Parameter	Required	Valid values	Description
Record log level	N	All, Basic, Debug, Informational, Warning	Sets a logging level for record loading issues. If the logging level set at implementation time is less verbose than the record logging level, then record issues are not logged. If utility's logging level is at same or higher verbosity as the record logging level, the record issues are logged with the log indicator as set using this argument.

Table 2–9 (Cont.) Configurable Parameters: Load Bayesian Plan

Parameter	Required	Valid values	Description
Fetch the bayesian plan data from incoming FTP location	N	Checked or Unchecked	If checked, attempts to fetch the needed data from \$INCOMING_FTP_PATH and copy to the master domain input folder.
Load the bayesian plan data	N	Checked or Unchecked	If checked, attempts to load the bayesian plan measures into the domain from the master domain input folder.
Spread the bayesian plan from source levels to final level	N	Checked or Unchecked	If checked, spreads the Bayesian plan from the source level measures to the final level measure.

Load Data

Exclusive lock: No

Script: rdf_load_measures.ksh

This task loads the measures specified at implementation time in the rdf_load_measures.ctl file. The input files need to be present in the master domain input directory. It is assumed that any necessary RETL transformations have already occurred before the files are uploaded to the cloud.

Configurable Parameters

Refer to the *Oracle Retail Demand Forecasting Cloud Service Implementation Guide* for details about the scripts called by this task.

Table 2–10 Configurable Parameters: Load Data

Parameter	Required	Valid values	Description
Record log level	N	All, Basic, Debug, Informational, Warning	Sets a logging level for record loading issues. If the logging level set at implementation time is less verbose than the record logging level, then record issues are not logged. If utility's logging level is at same or higher verbosity as the record logging level, the record issues are logged with the log indicator as set using this argument.

Load Hierarchies

Exclusive lock: Yes

Script: rdf_load_hier.ksh

This task loads all the hierarchy files specified at implementation time in the rdf_load_hier.ctl file. All hierarchy files have default purge age of 14 days. Any hierarchy files to be loaded need to be present in the standard input directory. It is assumed that any necessary RETL transformations have already occurred before coming to the cloud.

Configurable Parameters

This task has no configurable parameters.

Refer to the *Oracle Retail Demand Forecasting Cloud Service Implementation Guide* for details about the scripts called by this task.

New Item and New Store Batch

Exclusive lock: No

Script: rdf_new_item_store.ksh

This task runs the new item and new store batch script to create recommendations if item attributes and weights exist.

Configurable Parameters

There are no configurable parameters for New Item and New Store Batch.

Preprocess

Exclusive lock: No

Script: rdf_preprocess.ksh

This task runs the preprocessing rule groups specified at implementation time in the rdf_preprocess.ctl file.

Configurable Parameters

This task has no configurable parameters.

Refer to the *Oracle Retail Demand Forecasting Cloud Service Implementation Guide* for details about the scripts called by this task.

Push Output Data

Exclusive lock: No

Script: rdf_push_output.ksh

This task pushes all files from the \$RDF_EXPORT_DIR directory to the FTP outgoing directory.

Configurable Parameters

This task has no configurable parameters.

Refer to the *Oracle Retail Demand Forecasting Cloud Service Implementation Guide* for details about the scripts called by this task.

Run Forecast

Exclusive lock: Yes

Script: rdf_gen_forecast.ksh

This task runs “PreGenerateForecast” on the master domain and then “generate” on all subdomains in parallel.

Configurable Parameters

Refer to the *Oracle Retail Demand Forecasting Cloud Service Implementation Guide* for details about the scripts called by this task.

Table 2–11 Configurable Parameters: Run Forecast

Parameter	Required	Valid values	Description
Final forecast level (for example, 01)	Y	Two digit number (for example, 01 or 07)	This parameter identifies which final level is forecasted. Only one may be specified.
Override	N	True, False	When override is "False," the forecast is only generated if current time is later than the next run date in the domain. When the override is "True," the forecast is generated regardless of the next run date. If null, the defaulted value is "False."
Forecast start date (YYYYMMDD)	N	A date in YYYYMMDD format	This defaults to the current server date. If provided, the date needs to be within the range of the day dimension of the calendar hierarchy. It exports the forecast starting from this date.

Run Causal Estimation

Exclusive lock: No

Script: rdf_gen_forecast.ksh

This task runs "generate" on all subdomains in parallel with the EffectOnly flag. No forecast is generated.

Configurable Parameters

Refer to the *Oracle Retail Demand Forecasting Cloud Service Implementation Guide* for details about the scripts called by this task.

Table 2–12 Configurable Parameters: Run Causal Estimation

Parameter	Required	Valid values	Description
Causal forecast level	Y	Two digit number (for example, 01 or 07)	This parameter identifies the final level for which estimation will occur. Only one may be specified.
Forecast start date (YYYYMMDD)	N	A date in YYYYMMDD format	This defaults to the current server date. If provided, the date needs to be within the range of the day dimension of the calendar hierarchy. It exports the forecast starting from this date.

AutoSource

Exclusive lock: Yes

Script: rdf_autosource.ksh

This task runs "AutoSource" on all subdomains in parallel.

Configurable Parameters

Refer to the *Oracle Retail Demand Forecasting Cloud Service Implementation Guide* for details about the scripts called by this task.

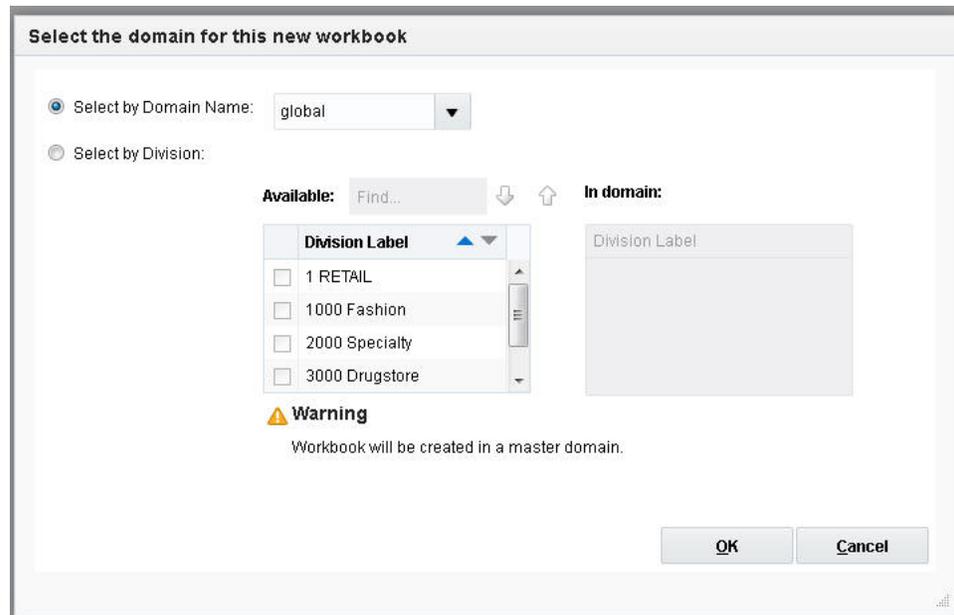
Table 2–13 Configurable Parameters: AutoSource

Parameter	Required	Valid values	Description
Final Forecast Levels	Y	List of comma separated two digit numbers (for example, 01 or 07 or 01,07).	This parameter identifies the final levels to run the AutoSource binary.
Mode	Y	Cycle, Once Only, Restart	<p>Cycle: If AutoSource does not complete an optimization run due to the time limit, the next time it is run, it picks up where it left last time.</p> <p>For example, if there are five source levels and during one run AutoSource only evaluated three source levels, then the next time it runs, it optimizes source levels four and up.</p> <p>Once the last source level is evaluated, AutoSource starts with the first level again.</p> <p>Once Only: AutoSource completes the run or stops when the time limit is up.</p> <p>Restart: Resetting measures, such that the next run starts without prior information. This option does not actually kick off any source level optimization run. Use this option when a clean run is desired, and then run AutoSource with one of the previous modes.</p>
Time Limit (minutes)	Depends on Mode	Integer	This parameter is required for modes Cycle and Once Only. It is optional for Restart.
Today String	N	Date string that matches the format of the Day dimension	Specifies the date when AutoSource stops the evaluation of the forecast error. The evaluation starts at the date given by today minus the number of periods specified in the forecast length. Hence the time interval over which AutoSource evaluates the forecast error is [today - forecast length, today]. The date should be in the RPAS format stored in the dim_day array.
No Clear	N		<p>This is a flag indicating if temporary information should be deleted.</p> <p>If not specified, the temporary information is deleted.</p>

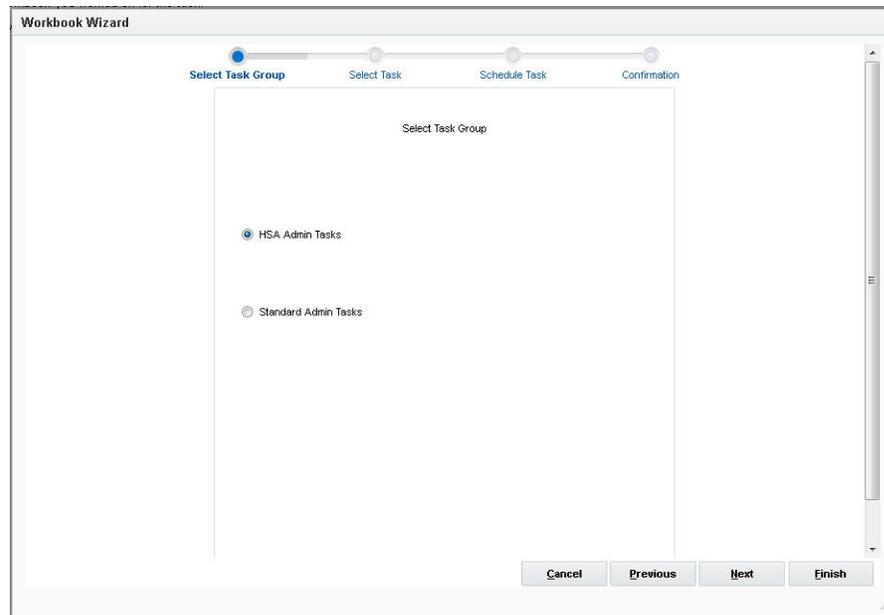
Scheduling RDF Cloud Service Administration Tasks

The Submit an Admin Task template is a multiple-page template in which the contents of each page are dependent upon the selection of the previous page.

If the user selects to build the workbook using the global domain, an additional wizard page appears that prompts the user to choose one of the task lists. This determines which administration task configuration file is used for the wizard pages that follow.

Figure 2–2 *Selecting a Domain for a New Workbook*

The master-domain-only flag is used as a filter for the task list displayed to the user. In other words, if the current domain is a local domain, the tasks with the master-domain-only flag set to true will be hidden from the drop-down list.

Figure 2–3 *Task Group Selection Window*

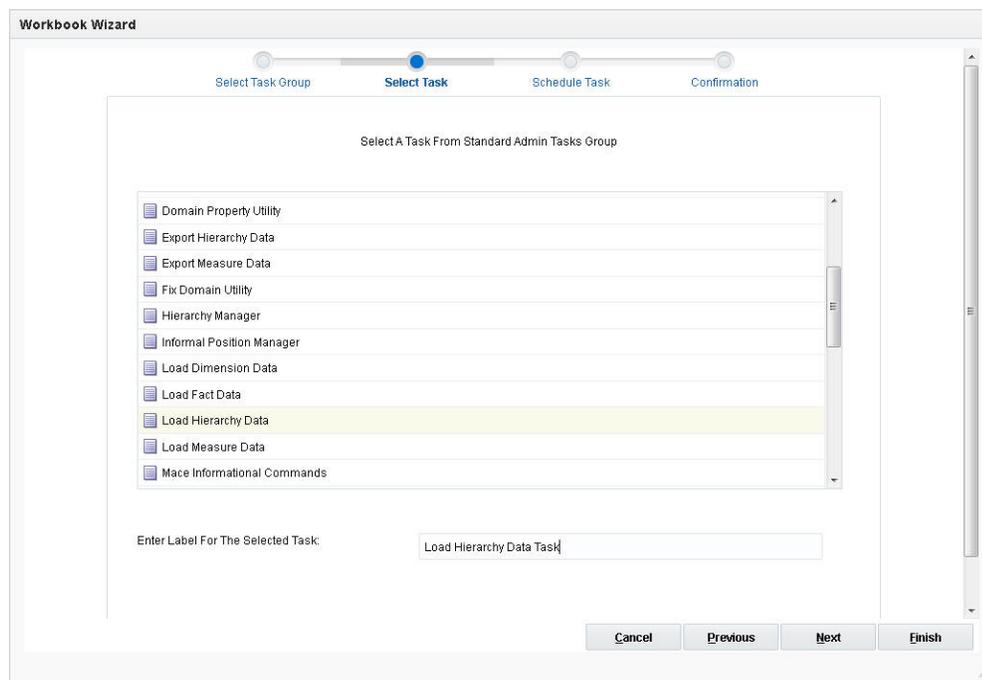
The second wizard page is used for selecting one of the pre-defined tasks. The master-domain-only flag is used as a filter for the task list displayed. In other words, if the current domain is a local domain, the tasks with master-domain-only flag set to true will be hidden from the draw-down list.

A job label is required that identifies the submitted task. It is different from the original administration task name or label.

The second wizard page is used for selecting one of the pre-defined tasks. The master-domain-only flag is used as a filter for the task list displayed. In other words, if the current domain is a local domain, the tasks with master-domain-only flag set to true will be hidden from the draw-down list.

A job label is required that identifies the submitted task. It is different from the original administration task name or label.

Figure 2–4 *Select a Task Wizard*



The uniqueness of the job label is not checked. It is the user's responsibility to ensure that the name is recognizable.

From the third wizard page, the user selects or enters the command line arguments for the selected task.

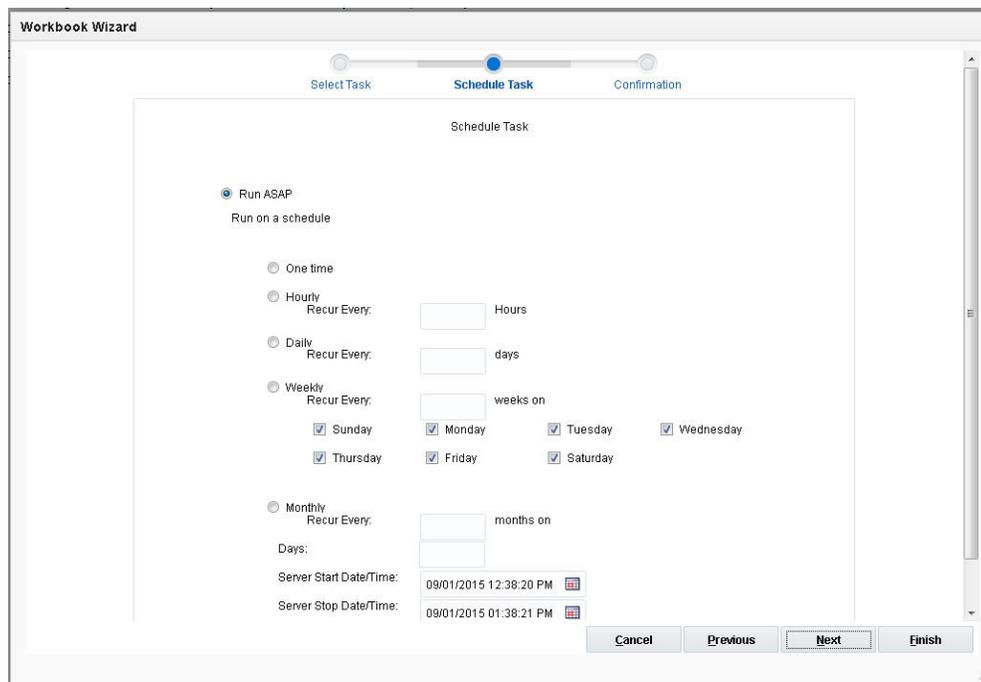
Figure 2–5 Command Line Arguments Wizard

If the argument list contains argument branches, another wizard page will be generated based on the user's selection of the branches. This is done recursively until all argument branches are exhausted.

Figure 2–6 Specify Task Arguments Wizard

After all arguments are specified, the next and final wizard page, which is used for scheduling options, is displayed.

Figure 2–7 Schedule Task Wizard



The user must select the Check to Confirm check box to continue with the submission of the task.

Figure 2–8 Confirm Action Wizard

