Oracle® Retail Item Planning Cloud Service

Starter Kit

Release 17.1

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Oracle Retail Item Planning Cloud Service Starter Kit, Release 17.1

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Preface

Oracle Retail Installation Guides and Starter Kits contain the requirements and procedures that are necessary for the retailer to install Oracle Retail products.

Audience

This Starter Kit is written for the following audiences:

- Integrators and implementation staff

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Related Documents

For more information, see the following documents in the Oracle Retail Item Planning Release 17.1 documentation set:

- *Oracle Retail Item Planning Administration Guide*
- *Oracle Retail Item Planning Implementation Guide*
- *Oracle Retail Item Planning User Guide*
- *Oracle Retail Item Planning Cloud Service Starter Kit Guide*
- *Oracle Retail Item Planning Cloud Service Release Notes*
- Oracle Retail Predictive Application Server Cloud Edition documentation

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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

Welcome to the *Oracle Retail Item Planning Cloud Service Starter Kit* (IP Cloud Service Starter Kit). This chapter outlines the contents of this guide, discusses the updated components with respect to the previous version, lists hardware and software requirements, and defines commonly used notations and terms.

Using this document allows users to:

- Install RPAS Windows Starter kit using a installer for RPAS and related applications using Cygwin.
- Launch ConfigTools for modifying an existing or developing a new configuration.
- Validate the configurations by building a domain using the IP BootStrap process for cloud deployment.
- Develop batch control files to execute Batch LoadMeasure/Mace calls.

About This Document

This document contains information for installation of the Starter Kit components.

Read this entire guide before beginning the installation process to ensure you understand the installation process and have all the necessary documentation, hardware, and software available.

Hardware and Software Requirements

Table 1–1 describes the hardware and software requirements for the Starter Kit.

Note: Java can be acquired for Microsoft Windows at: www.java.com.

Table 1–1 Starter Kit Hardware and Software Requirements

Requirement	Details
Supported Operating Systems for RPAS Cloud Edition Configuration Tools	Microsoft Windows 7 Microsoft Windows 10 **Note:** Oracle Retail assumes that the retailer has ensured its Operating System has been patched with all applicable Windows updates.
	RPAS Cloud Edition Configuration Tools requires 64-bit Java 1.8 or later.

Table 1–1 (Cont.) Starter Kit Hardware and Software Requirements

Requirement	Details
Required Software	■ Java 8 JDK (required to support the RPAS Cloud Edition Configuration Tools.) ■ Microsoft 2015 Runtime Libraries ■ Cygwin
Microsoft 2015 Runtime Libraries	Ensure that these Microsoft 2015 Runtime Libraries are installed to enable RPAS RPAS Cloud Edition Configuration Tools and other RPAS utilities: ■ vc_redist.x64.exe ■ vc_redist.x86.exe Download these libraries from this link: https://www.microsoft.com/en-us/download/details.aspx?id=48145 **Note:** Use Microsoft Visual C++ 2015 or higher for use with RPAS Cloud Edition Configuration Tools and other RPAS utilities.
Cygwin	Use a 32 bit version of Cygwin. 64-bit version of Cygwin is not currently supported. Cygwin provides a Unix-like environment under Windows. You must install Cygwin to emulate UNIX commands (required for running some RPAS Cloud Edition Configuration Tools utilities on Windows).
CygUtils	Download and install CygUtils from: http://gnuwin32.sourceforge.net/packages/cygutils.htm Select the option: **Complete package, except sources** **Note:** Cygutils is required for utilities like dos2unix, d2u. Install within C:\cygwin

Cygwin Installation Requirement Notes

The following notes pertain to the RPAS hardware and software requirements.

Installation Requirements for Cygwin

For some RPAS Cloud Edition Configuration Tools utilities on Windows, you must install Cygwin to emulate UNIX commands. You can find more information about downloading this product at: http://www.cygwin.com.

1. Cygwin should be installed under this directory:

   ```
   C:\cygwin
   ```

   WARNING: In addition to the default packages that are installed, make sure to select mksh and unzip packages to be installed.

2. Select **Use System Proxy Settings** for install to display a list of mirror sites.

   Note: In addition to the default packages that are installed, make sure to select **mksh** and unzip any packages to be installed.

3. Download and install **CygUtils** using the setup for *Complete package, except sources*.

   Ensure that it is installed under this directory: `C:\cygwin`

   `http://gnuwin32.sourceforge.net/packages/cygutils.htm`

> **Note:** CygUtils is required for utilities like dos2unix, d2u.

Terms

The following table lists terms that are used in this guide:

Term	Definition
RPAS	The Oracle Retail Predictive Application Server provides the foundation for Oracle Retail solutions such as Oracle Retail Demand Forecasting (RDF), Merchandise Financial Planning (MFP), and Advanced Inventory Planning (AIP). RPAS does not include any business logic, but it enables the solutions to store, manipulate and retrieve data. It provides the solutions with a standard interface based on wizards, templates, workbooks, and batch processes.
RPAS solution	The software that uses RPAS. RPAS solutions are added on to RPAS domains as separate modules. All the business logic is encapsulated in the solution. An RPAS domain can support multiple solutions.
RPAS domain	The collection of server-side directories and files containing data and procedures that comprise the RPAS solution. For additional information, refer to the *Oracle Retail Predictive Application Server Cloud Edition Online Administration Guide*.
RPAS Cloud Edition Configuration Tools	The tools used to configure an RPAS Cloud Service solution. For more information, refer to the *Oracle Retail Predictive Application Server Cloud Edition Configuration Tools User Guide*.
Lightweight Dynamic Inferred Processing (LDIP)	The middle tier layer of the system is mainly used for on-demand conversation server (convoserver). For example, each process supports a user or batch session or sub-session.

2

Installing an RPAS Starter Kit on a Windows Environment

This chapter describes how to install the17.1 Item Planning Cloud Service Starter Kit on a Windows environment.

Note: The Starter Kit does not currently support upgrades on an existing installation.

IP Cloud Service Starter Kit Overview

17.1 Cloud Service is comprised of many components. In addition, there are solutions that have been developed using the RPAS 17.1 Cloud Edition (RPAS CE) foundation. Examples of these solutions include Oracle Retail Merchandise Financial Planning (MFP) and Oracle Retail Demand Forecasting (RDF). Each application supported by the RPAS 17.1 Cloud Edition platform has a dedicated Starter Kit.

The components of the Starter Kit software include the following:

- RPAS Cloud Edition Configuration Tools
- RPAS Server libraries used by the Cloud Edition Configuration Tools
- A base configuration of the application
- Application specific extensions of the RPAS Cloud Edition Configuration Tools
- Documentation

Starter Kit Installation on Windows

For the purposes of this section, a slash "/" is used to delineate directories and files in paths. Users in a Windows Command Prompt environment need to either use a backslash "\" as the delineation character or use double quotes around paths.

Starting the Cygwin Shell and Setting up the Environment

Perform the following procedures to start the Cygwin shell and set up the environment.

- Update fstab
- Run Cygwin as an Administrator
- Switch to mksh Shell

- Update the PATH and Verify the Environment
- Download and Install Java JDK
- Setup JAVA_HOME
- Check the Version of Java

Update fstab

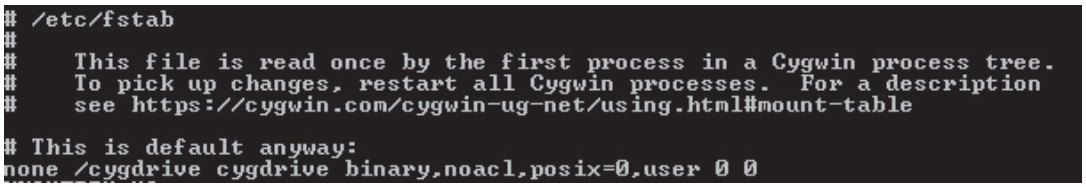
> **WARNING: Before starting work with the Cygwin shell, you need to update the fstab file to prevent permission issues observed when files are modified on Windows Explorer versus Cygwin.**

Open the Cygwin shell as an administrator and modify the fstab file and close the shell.

>cd /etc

>cat fstab

Figure 2–1 Sample fstab Image



Example 2–1 Sample fstab File

```
# /etc/fstab
#
#    This file is read once by the first process in a Cygwin process tree.
#    To pick up changes, restart all Cygwin processes.  For a description
#    see https://cygwin.com/cygwin-ug-net/using.html#mount-table

# This is default anyway:
none /cygdrive cygdrive binary,noacl,posix=0,user 0 0
```

Run Cygwin as an Administrator

To run Cygwin as an Administrator, either:

- Right-click the Cygwin shortcut and select **Run as Administrator**
- Change shortcut and select **Run the Program as Administrator**

Switch to mksh Shell

In Cygwin shell switch to the ksh shell by typing the command:

```
>mksh
```

> **Note:** This shell selection can also be updated in the `.profile` setting so that the mksh shell is the default when you open the Cygwin shell.

Update the PATH and Verify the Environment

In the shell, add cygutils\bin to PATH and verify the environment.

```
export CYGUTIL_PATH=/cygdrive/c/cygwin/GnuWin32/

export PATH=$CYGUTIL_PATH/bin:$PATH
```

> **Note:** This shell selection can also be updated in the `.profile` setting so that the mksh shell is the default when you open the Cygwin shell.

Download and Install Java JDK

This version of ConfigTools support 64 bit Java JDK version. Java needs to be installed under the directory which does not have spaces in it.

```
C:\Java
```

Setup JAVA_HOME

After installing JDK inside Cygwin, setup the JAVA_HOME.

```
export JAVA_HOME=/cygdrive/c/Java/JDK64

export PATH=$JAVA_HOME/bin:$PATH
```

Check the Version of Java

```
> java -version
```

RPAS Package Location

The RPAS package can be found on My Oracle Support.

1. Access the following URL: `https://support.oracle.com`
2. From the **Patches & Updates** tab, select the **Product or Family (Advanced Search)**.
3. In the Product search box, enter: *Oracle Retail Assortment & Item Planning Fashion Soft Lines Cloud Service*.
4. From the Release drop-down select *Oracle Retail Assortment Services 17.1.0.0.0* and then click **Search**.

Extracting the RPAS Package

Unzip the `Edge_Server-17.1.001.00.004_NT.zip` to a newly created directory on the Windows machine.

For example:

```
/cygdrive/d/oracle/Retail/installers
```

The `Edge_Server-17.1.001.00.004_NT.zip` contains all the RPAS components.

The `rasl-17.1.001.00.004_NT.zip` contains all the packages required for Apps.

>cd /cygdrive/d/oracle/Retail/installers

>unzip Edge_Server-17.1.001.00.004.zip

>unzip rasl-17.1.001.00.004.zip

After unzipping, you will have an NT folder with all of the RPAS Starter Kit components.

Installing the RPAS Starter Kit

> **Note:** This installer can also be run in command line. Just skip setting of the DISPLAY property and go through the steps similar to GUI mode.

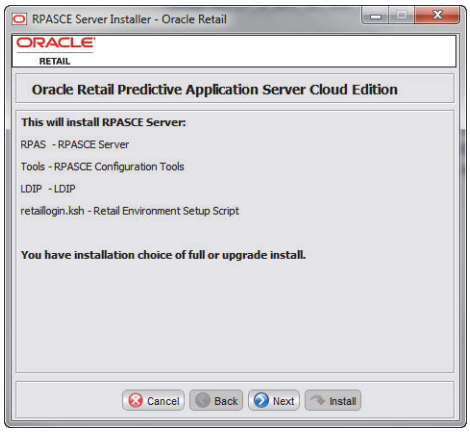
Perform the following steps to install the RPAS Starter Kit.

1. Run the installer in GUI mode by setting the DISPLAY variable to the IP address of the machine with `:0` appended to it. After setting the DISPLAY property, run the install.sh under the NT/rpas folder.

   ```
   >export DISPLAY=127.0.0.1.0:0
   >cd /cygdrive/d/oracle/Retail/installers/NT
   >./install.sh
   ```

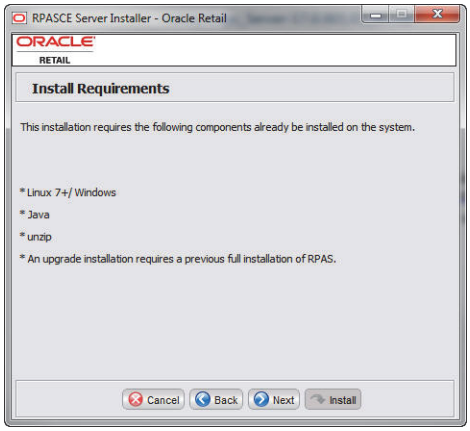
   The RPAS Cloud Edition Installer opens.

Figure 2–2 RPAS Cloud Edition Installer



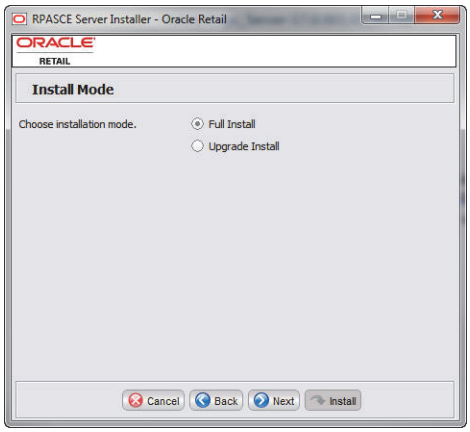
2. Click **Next** to proceed to the Install Requirements window.

Figure 2–3 Install Requirements



3. Click **Next** to proceed to the Install Mode window.

Figure 2–4 Install Mode

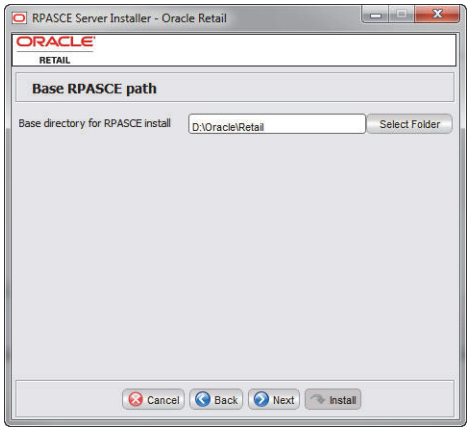


For a fresh install, select *Full Install*.

Click **Next** to proceed to the Base RPASCE Path window.

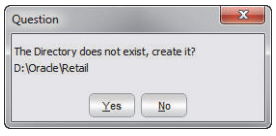
4. Click *Select Folder* to find the folder location of where you want to install the packages. Ensure that the path has no spaces in its name.

Figure 2–5 Base RPASCE Path



If directory does not exist click **Yes** to create it.

Figure 2–6 New Directory



5. Click **Next** and then select all of the default locations relative to root install location.

Figure 2–7 Default RPASCE Installation Paths

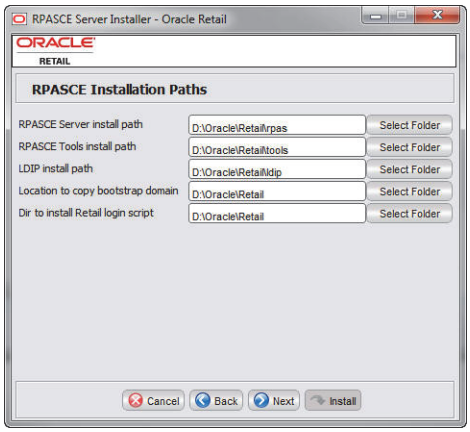
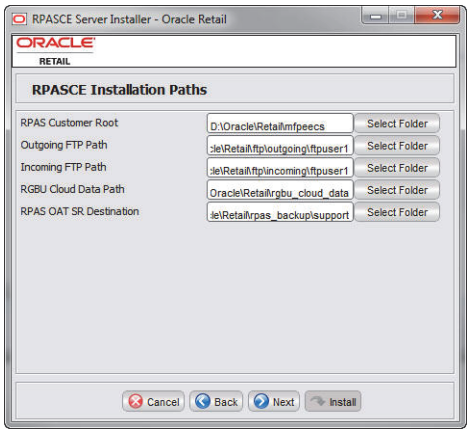
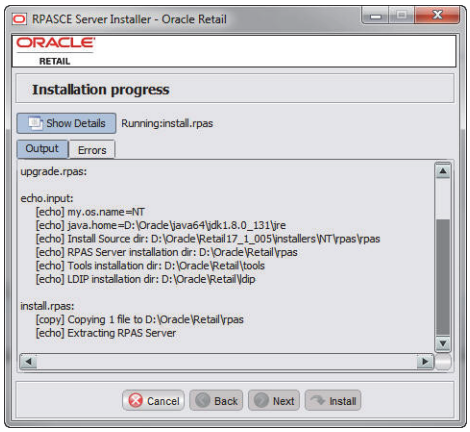


Figure 2–8 Selected RPASCE Installation Paths



6. Click **Next** to begin the installation.

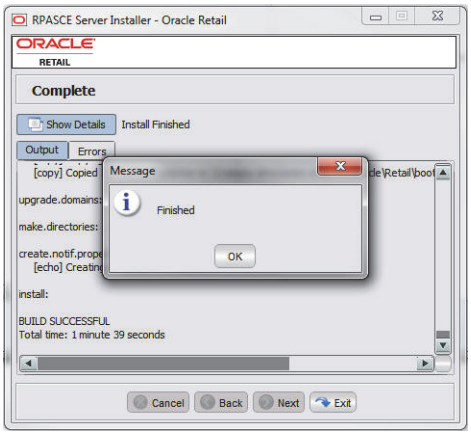
Figure 2–9 Installation Progress



Installation begins and you can view the progress under the Output tab.

7. Once the installation is complete a message box opens. Click **OK**.

Figure 2–10 Installation Complete



8. Under the installed location you should see these folders:

```
>ls /cygdrive/d/Oracle/Retail

>bootstrap  ldip     retaillogin.ksh  rpas         tools

ftp        ascs  rgbu_cloud_data  rpas_backup
```

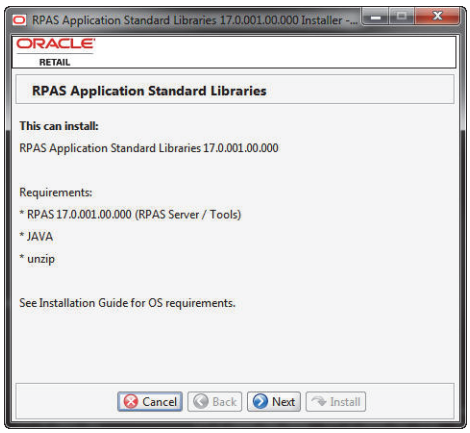
Installing the RPAS Application Standard Libraries Package

Perform the following steps to install the RPAS Application Standard Libraries Package (rasl).

1. Before proceeding to install the Apps package: `rasl-17.1.001.00.004_NT.zip`. You need to source the `retailogin.ksh` and `run install.sh`.

```
>cd /cygdrive/d/Oracle/Retail
>. ./retaillogin.ksh
>cd cd /cygdrive/d/oracle/Retail/installers/NT/rasl
>./install.sh
```

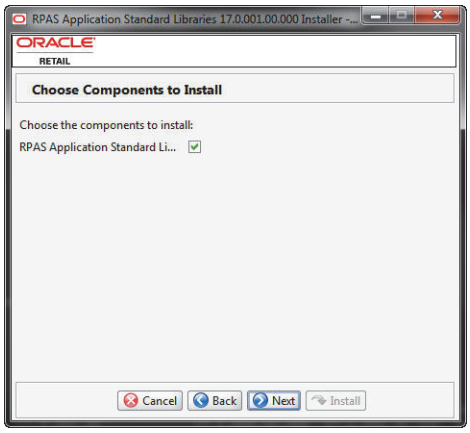
Figure 2–11 RPAS Application Standard Libraries



Click **Next**.

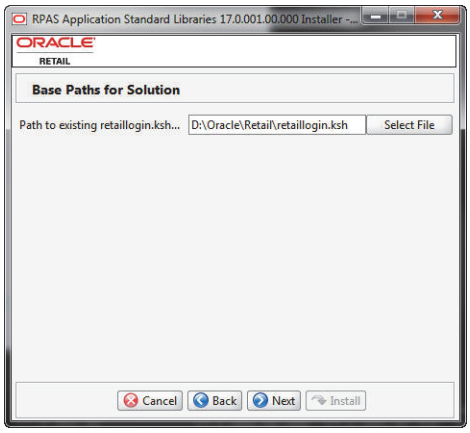
2. Select the RPAS Application Standard Libraries check box and click **Next**.

Figure 2–12 Choose Components to Install



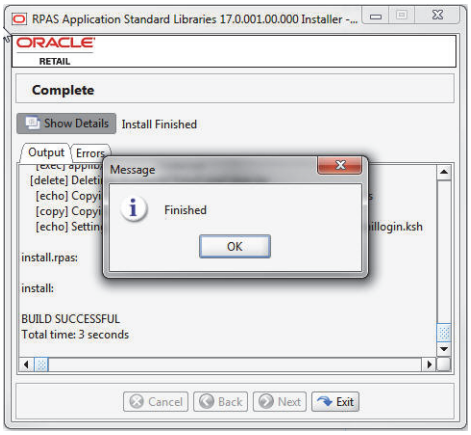
3. Click **Select File** to navigate to the path location of the `retaillogin.ksh` and then click **Next**.

Figure 2–13 Base Paths for Solution



4. Click **Install** to start the installation. Once the Installation is complete, you receive a *Finished* message. Click **OK** to close the message.

Figure 2–14 Installation Finished



5. Once the installation has finished, source the `retaillogin.ksh` again to enable the new Apps specific environment variables.

```
>cd /cygdrive/d/Oracle/Retail
>. ./retaillogin.ksh
```

Launching RPAS Cloud Edition Configuration Tools

Perform the following steps to launch RPAS Cloud Edition Configuration Tools from Cygwin.

1. Run Cygwin as an Administrator.
2. Switch to the mksh shell.

   In the Cygwin shell, switch to the `.ksh` shell by typing the command:

   ```
   >mksh
   ```

3. In the shell, add `cygutils\bin` to the PATH and verify the environment.

   ```
   export CYGUTIL_PATH=/cygdrive/c/cygwin/GnuWin32/
   export PATH=$CYGUTIL_PATH/bin:$PATH
   ```

   Note: This shell selection can also be updated in the `.profile` setting so that the mksh shell is the default when you open the Cygwin shell.

4. Change directories to the installed RPAS directory source `retaillogin.ksh`

   ```
   >cd /cygdrive/d/Oracle/Retail
   >. ./retaillogin.ksh
   >configtools
   ```

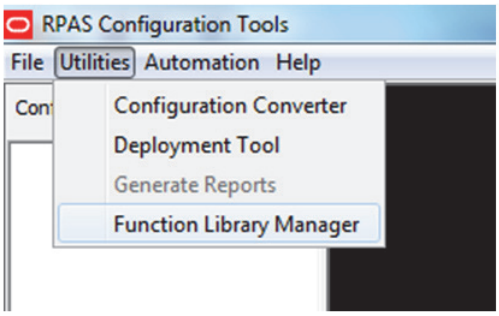
Configuring Required Function Libraries for Starter Kit

The RPAS Cloud Edition Configuration Tools provide validation of the content of a configuration. In order to provide validation for the rule content of a configuration, the set of function libraries used in the rules of a configuration must be set within the RPAS Cloud Edition Configuration Tools.

Follow these steps to register the function libraries used by the Item Planning solution in the RPAS Cloud Edition Configuration Tools:

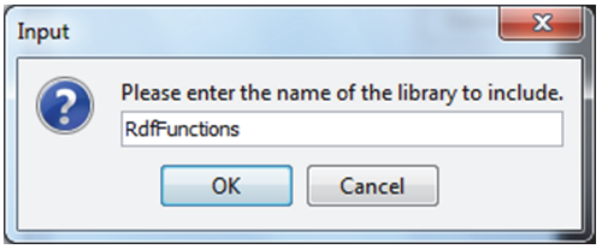
1. Launch the RPAS Cloud Edition Configuration Tools.
2. From the Utilities Menu, select **Function Library Manager**.

Figure 2–15 Function Library Manager



3. To add a new entry, click **Add**.
4. Enter the name of the function library to be registered.

Figure 2–16 Library Name



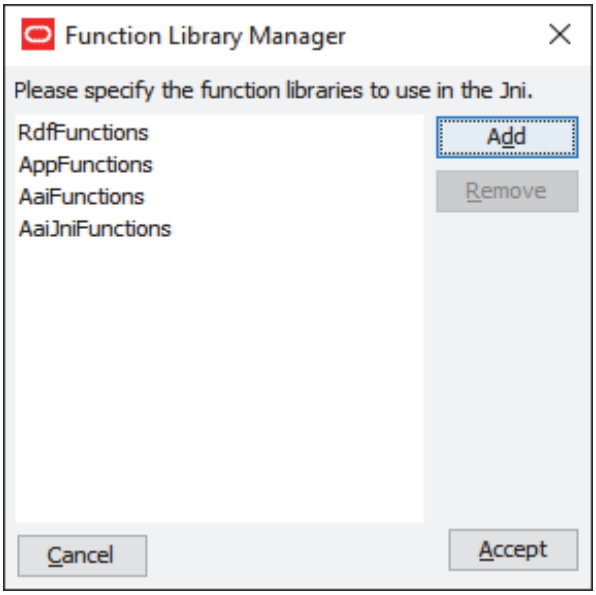
5. Click **OK** to add the entry.

   The set of libraries required by the IP solution are:

   - RdfFunctions
   - AppFunctions
   - AaiFunctions
   - AaiJniFunctions
   - ClusterEngine

6. Once all libraries have been entered, click **Accept** to close the window.

Figure 2–17 Accepting the Libraries



7. Close and re-open the RPAS Cloud Edition Configuration Tools for the changes to take effect.

Installing the Sample Configurations

Unzip the package named `ascs-17_1_001_00_006_ee_starterkit.zip` for IP Cloud Services. Once unzipped you can view all of the IP CS related components.

```
>cd /cygdrive/d/Oracle/Installer/
```

```
>unzip ascs-17_1_001_00_006_ee_starterkit.zip
batch_control config fusionClient input json plugins translations
```

Configuration is present in the config directory with the name ascs for IP Cloud Services.

Batch control files are present in the batch_control directory. Sample JSON files for dashboard and help are present in the json directory.

Sample hierarchy and data files for the configuration is present in input directory. Sample translation files for the domain is in translations directory and taskflow translation files are in the Fusion Client directory.

Domain Creation

This section describes domain creation using the Starter Kit. This process helps in validating configuration files for SFTP upload to the cloud servers to be built and deployed for the Application.

To mimic the SFTP location under the installed directory, upload the configuration to a location: `$INCOMING_FTP_PATH` in the installed directory of RPAS using Cygwin.

Placeholders are under the following directory:

- ls $INCOMING_FTP_PATH
- batch_control input COMMAND

SFTP Subdirectories

> **Note:** For additional information, refer to the *Oracle Retail Item Planning Cloud Service Implementation Guide*

For the purposes of building the domain, three subdirectories in the SFTP site are used:

config

For uploading the domain configuration into the cloud environment, create an archive (either .zip or .tar.gz) containing the config directory and all of its contents. This archive file must be named as <config_name>_config.zip or <config_name>_ config.tar.gz. This archive file must be placed in the config subdirectory on the SFTP server. It may be updated as often as necessary in support of domain build or patch activities.

> **Note:** The config directory should also contain the `<config_ name>DashboardSettings.json` and `<config_name>HelpConfig.json` file in the directory. These files are then configured in the UI during the domain build process for displaying the dashboard/help.
>
> Sample files are located under the json directory. After you unzip the _ ascs-17_1_001_00_006_ee_starterkit.zip. If you do not have these files for your configuration you can place an empty file with the file names previously listed in this note.
>
> Use the plug-ins to generate different available configuration plugin options. Refer to "Appendix: Generating the Configuration for Plug-in Options."

batch_control

The set of batch process control files, as detailed in the previous section, must be uploaded to the batch_control subdirectory within the incoming SFTP location. These files are placed into the domain environment when the domain is built and can be updated later by running the domain patch task.

input

The initial domain creation process requires at least the .dat files for all hierarchies specified in the domain configuration. Normally, it is desirable to have an initial set of measure data load files available at domain build time as well. These data files may be placed into the input directory of the SFTP server either as individual files or in an archive using either the .zip or .tar.gz format. If uploading data files in an archive format, the name of the archive to be unpacked will be specified as an optional parameter on the Online Admin page for building the domain.

Also include users.xml for all the users to be registered in the domain. If this file does not exist all users in the bootstrap domain will be imported into application domain.

You can register a default user to the boot strap domain using the following commands:

```
usermgr -d $RPAS_BOOTSTRAP_DOMAIN -addGroup USER_DEFINED_GROUP -label
USER_DEFINED_GROUP_LABEL
```

```
usermgr -d $RPAS_BOOTSTRAP_DOMAIN -add USER_DEFINED_USER -label USER_
DEFINED_LABEL -group USER_DEFINED_GROUP -admin
```

You can also create a `users.xml` file in the following format:

Example 2–2 Sample users.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<user_list version="2.0">
    <groups>
        <group name="user_defined_group">
            <label>USER_DEFINED_GROUP_LABEL</label>
        </group>
    </groups>
    <users>
        <user name="USER_DEFINED_ADMIN_USER">
            <label>USER_DEFINED_ADMIN_LABEL</label>
            <dflt_grp>user_defined_group</dflt_grp>
            <other_grps></other_grps>
            <admin>T</admin>
        </user>
        <user name="USER_DEFINED_NORMAL_USER">
            <label>USER_DEFINED_NORMAL_LABEL</label>
            <dflt_grp>user_defined_group</dflt_grp>
            <other_grps></other_grps>
        </user>
    </users>
</user_list>
```

Remember not to include any directory structure in the archive file, but only simple file names. In addition to the domain build and patch processes, batch framework tasks including measload, hierload, unpack, and waittrigger will also check for incoming files in this same input directory.

Note: Remember to send a COMPLETE file into the top-level COMMAND directory once all files for the domain build process have been uploaded.

A sample IP configuration should include the previously mentioned files for upload.

Building the Domain using the BootStrap Process

Once all of the configuration files are uploaded into: $INCOMING_FTP_PATH. You can now build it using the eebatch_bootstrap.ksh script.

```
>cd $RPAS_HOME/bin
```

```
>./eebatch_bootstrap.ksh -d $RPAS_BOOTSTRAP_DOMAIN -c CONFIGURATION_NAME
-p PARTITION_DIMENSION-o
```

The CONFIGURATION_NAME is ascs and the PARTITIION_DIMENSION is pgrp (Product Group) for Item Planning Configuration.

If built successfully, the domain is placed under this directory:

$RPAS_CUST_ROOT/domains/ CONFIGURATION_NAME

If the domain failed during the build, then the log files are placed inside:

$OUTGOING_FTP_PATH

Note: The -o option deletes any existing domain. The CONFIGURATION_NAME is ascs and the PARTITION_DIMENSION is pgrp.

Running Batch Mace and Rule Group using the BootStrap Process

Perform the following steps to run the Batch Mace and Rule Group using the BootStrap process

Starting LDIPS

In order to test some of the rule groups and weekly batch we need to setup the middle tier.

The configuration file it uses is created under $LDIP_HOME/jtdconfig folder. The file name is called TaskDaemonDeployment.xml. Verify the file once for the name of the domain and domain path. This file is created by the Building the Domain using the BootStrap Process.

> vi TaskDaemonDeployment.xml

<?xml version="1.0" encoding="UTF-8" ?>

<solutions>

<!-- solutions are listed in order connections will be attempted -->

<!-- paths listed here should be to master domains -->

<solution>

<name> DOMAIN_CONFIGURATION_NAME </name>

<description>This is a solution called DOMAIN_CONFIGURATION_NAME </description>

<ldip-primary-controller>*</ldip-primary-controller>

<ldip-backup-controller>*</ldip-backup-controller>

<ldip-pool-size>50</ldip-pool-size>

<ldip-timeout>500000</ldip-timeout>

<domain-path>

WINDOWS_DOMAIN_PATH\DOMAIN_CONFIGURATION_NAME </domain-path>

<queue-size>10</queue-size>

<log-level>error</log-level>

</solution>

</solutions>

Name of the domain<name></name> will be the name of the configuration built using the bootstrap process. Domain <domain-path></domain-path> path will be location of the domain in windows path.

Now start the ldips.

```
> cd $LDIP_HOME

> ldip_basic
```

Note: This step starts the middle tier frame work for interacting with the domain.

Once started, LDIP uses the sourced in retaillogin.ksh to execute batch commands on the domain. This means you cannot start two different shells and start ldips from different versions as they may interfere with each other. Make sure to shutdown or close the ldips in such cases.

Also you can stop the ldips using the command:

```
> ldip_end
```

Log files for the ldips are located under $LDIP_HOME/logs directory. You can also check the log $LDIP_HOME/nohup.out in case you have trouble starting them.

Loading Data Files

Use the following commands to load uploaded data files.

```
>./eebatch_loadmeas.ksh -d $RPAS_CUST_ROOT/domains/DOMAIN_CONFIGURATON_
NAME

-p <batch rule set name from batch control file batch_loadmeas_list.txt>
```

Running Batch Mace and Rule Group

You can now start batch commands to investigate the rules and batch control files.

```
>./eebatch_calc.ksh -d  $RPAS_CUST_ROOT/domains/DOMAIN_CONFIGURATON_NAME
-p <batch rule set name from batch control file batch_calc_list.txt>

> rpasce_run mace -d $RPAS_CUST_ROOT/domains/DOMAIN_CONFIGURATON_NAME -run
-group <rule group name>
```

Using Multiple Versions of RPAS on the Same Windows Machine

If you have multiple versions of the Starter Kit installed on your PC, it is important to note that the environment variables will reference RPAS 17.1 after the installation process is complete.

To switch to a different version of RPAS that is installed on your machine, you will need to restart Cygwin and point to diff installed location of RPAS and related App.

A

Appendix: Generating the Configuration for Plug-in Options

Item Planning Cloud Service supports generating different configurations using plug-in automation for different configuration options including option to enable or disable a particular solution. Default configuration available in the Starter Kit includes all solutions and all plug-in-options enabled. If you want to use the different configuration options, then copy the plug-ins folder from the Starter Kit to the RIDE_HOME/resources directory and then run generate the configuration with the required configuration options.

Creating the Configuration Using Plug-ins

Default IP Cloud Service configuration contains following three solutions.

Directory	Solution	Description
ASCS	AP Common	This solution includes all the common batch rule groups and contains all common measure to be used for different solutions. This solution is always needed irrespective any other solution enabled or disabled.
APFA	AP Fashion	This solution contains configured workbook templates for Assortment Planning Fashion.
IPCS	Item Planning	This solution contains configured workbook templates specific for Item Planning.

The following process explains the steps to re-generate a configuration only containing Item Planning. You can use the same process, to disable other solution as well.

1. Delete all three solutions directories (ASCS, APFA, IPCS) that are located under the config/ascs from the default configuration present in the Starter Kit.
2. Update the plug-ins XML file that is located under `config/ascs/plug-ins/ASCS/ASCSData.xml` by disabling the solution APFA Set the `ENABLE_APF` to FALSE as shown in the following example. If you only need to disable Item Planning, then set `ENABLE_IPL` to FALSE.

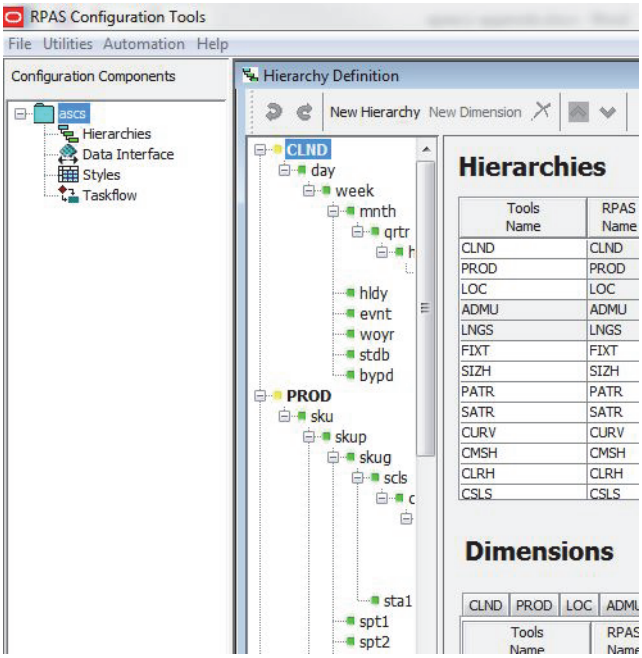
Example A–1 Disabling the Solution

```
<?xml version="1.0" encoding="UTF-8"?>
<data_set type="java.lang.Object">
  <attribute name="ENABLE_APF">
    <value>FALSE</value>
```

```
  </attribute>
  <attribute name="ENABLE_IPL">
    <value>TRUE</value>
  </attribute>
  <attribute name="ENABLE_LC">
    <value>TRUE</value>
  </attribute>
  <attribute name="ENABLE_SC">
    <value>TRUE</value>
  </attribute>
  <attribute name="ENABLE_AS">
    <value>TRUE</value>
  </attribute>
</data_set>
```

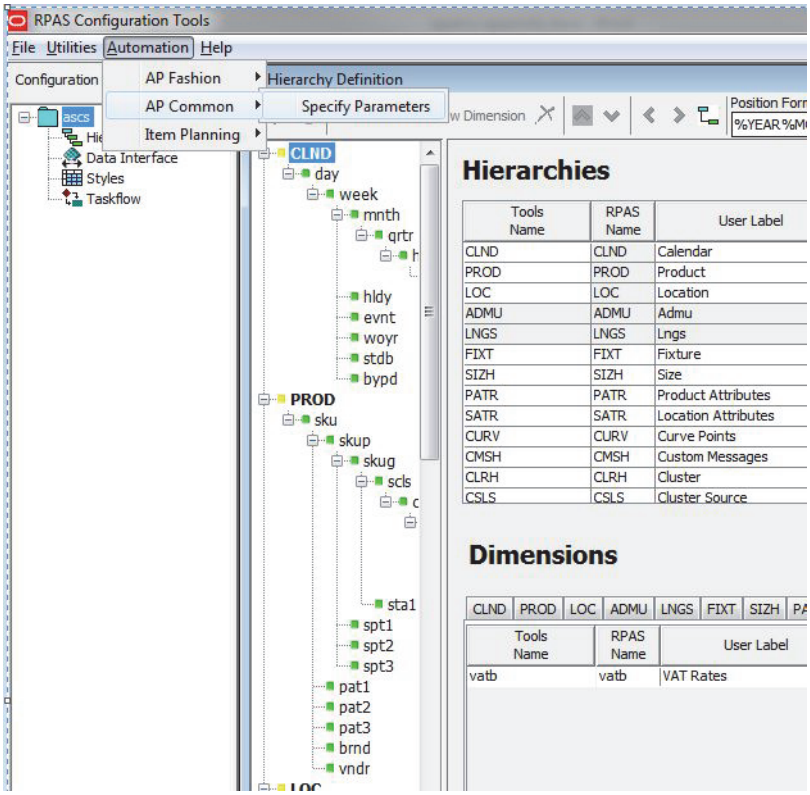
3. Copy the same updated file `ASCSData.xml` to all other solutions under config/ascs/plug-ins.
4. Copy the entire contents of plug-ins from Starter Kit to the `RIDE_HOME/resources/plugins` directory.
5. Open the configuration using Config Tools and it should appear as Figure A–1 without any solutions.

Figure A–1 RPAS Cloud Edition Configuration Tools



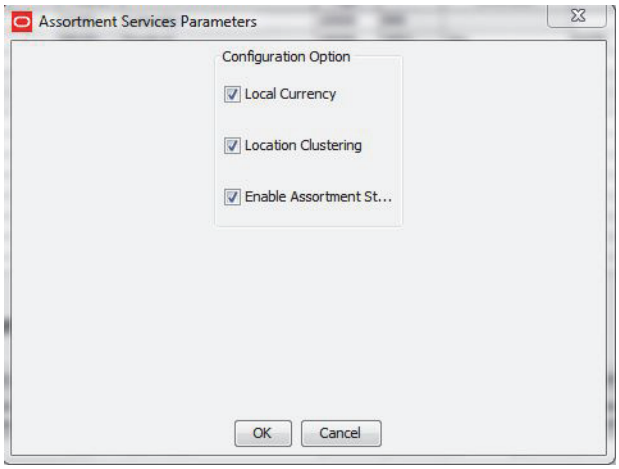
6. From the RPAS Cloud Edition Configuration Tools toolbar, select the Automation menu. Then select the solution and then select **Specify Parameters**.

Figure A–2 Automation Menu



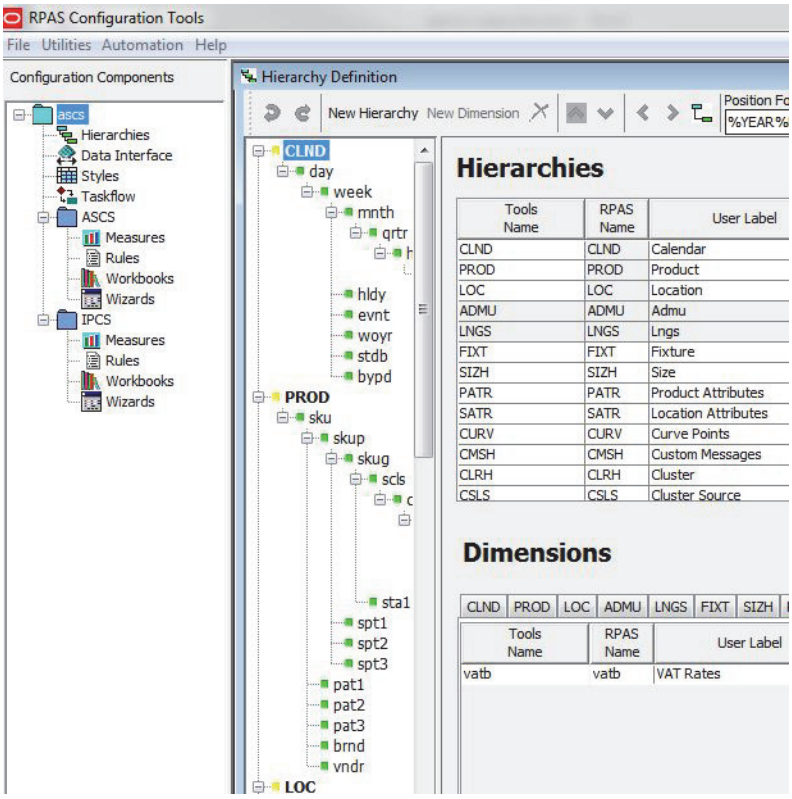
7. A window opens with the available configuration options. Select the configuration options needed for the configuration by checking or clearing each option. Click **OK.** The automation will run and generate the configuration for the selected option.

Figure A–3 Available Configuration Options



8. Repeat the following two steps for both solutions, AP Fashion and Item Planning.
9. Though automation was run for all the three solutions, since the solution **AP Fashion** is unavailable in the XML file, it will not generate that solution.

Figure A–4 Running Automation



10. Save the generated configuration and use that configuration for subsequent domain builds.