Oracle® Retail Financial Integration Cloud Service for Oracle Retail Merchandise Operations Management and Oracle Financials Installation Guide

Installation Guide

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Oracle® Retail Financial Integration Cloud Service for Oracle Retail Merchandise Operations Management and Oracle Financials Installation Guide, Release 22.1.401.0

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- Did you understand the context of the procedures?
- Did you find any errors in the information?
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If you require training or instruction in using Oracle software, then please contact your Oracle local office and inquire about our Oracle University offerings. A list of Oracle offices is available on our Web site at http://www.oracle.com.

Preface

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

Audience

This Installation Guide is for the following audiences:

- Database administrators
- System analysts and programmers
- Integrators and implementation staff personnel

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- Functional and technical description of the problem (include business impact)
- Detailed step-by-step instructions to re-create
- Exact error message received
- Screen shots of each step you take

Review Patch Documentation

When you install the application for the first time, you install either a base release (for example, 19.1) or a later patch release (for example, 19.1.1). If you are installing the base release and additional patch releases, read the documentation for all releases that have occurred since the base release before you begin installation. Documentation for patch releases can contain critical information related to the base release, as well as information about code changes since the base release.

Improved Process for Oracle Retail Documentation Corrections

To more quickly address critical corrections to Oracle Retail documentation content, Oracle Retail documentation may be republished whenever a critical correction is needed. For critical corrections, the republication of an Oracle Retail document may at times not be attached to a numbered software release; instead, the Oracle Retail document will simply be replaced on the Oracle Technology Network Web site, or, in the case of Data Models, to the applicable My Oracle Support Documentation container where they reside.

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

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

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

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

Oracle Help Center (docs.oracle.com)

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

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

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

Conventions

The following text conventions are used in this document:

Convention	Meaning
boldface	Boldface type indicates graphical user interface elements associated with an action, or terms defined in text or the glossary.
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.

Preinstallation Tasks

This chapter explains the tasks required prior to installation.

Note: Oracle Retail assumes that the retailer has applied all required fixes for supported compatible technologies.

Requesting Infrastructure Software

If you are unable to find the necessary version of the required Oracle infrastructure software (database server, application server, WebLogic, etc.) on the Oracle Software Delivery Cloud, you should file a non-technical 'Contact Us' Service Request (SR) and request access to the media. For instructions on filing a non-technical SR, see My Oracle Support Note 1071023.1 - *Requesting Physical Shipment or Download URL for Software Media*.

Check Supported Database Server Requirements

General requirements for a database server running Oracle Retail Financial Integration Pack include:

Supported on:	Versions Supported:	
Database Server OS	OS certified with Oracle Database 12c Release 1 Enterprise Edition or 19c (19.3.0+) Enterprise Edition. Options are:	
	 Oracle Linux 6 or 7 for x86-64 (Actual hardware or Oracle virtual machine). 	
	 Red Hat Enterprise Linux 6 or 7 for x86-64 (Actual hardware or Oracle virtual machine). 	
	 AIX 7.1 (Actual hardware or LPARs) 	
	 Solaris 11.x SPARC (Actual hardware or logical domains) 	
	 HP-UX 11.31 Integrity (Actual hardware, HPVM, or vPars) 	

 Table 1–1
 Database Server Requirements

Supported on:	Versions Supported:
Database Server 12c	Oracle Database Enterprise Edition 12c Release 1 (12.1.0.2) with the following specifications:
	Components:
	Enterprise Edition
	 Examples CD
	Oneoff Patches:
	 20846438: ORA-600 [KKPAPXFORMFKK2KEY_1] WITH LIST PARTITION
	 LIST PARTITION
	19623450: MISSING JAVA CLASSES AFTER UPGRADE TO JDK 7
	 20406840: PROC 12.1.0.2 THROWS ORA-600 [17998] WHEN PRECOMPILING BY 'OTHER' USER
	 20925154: ORA-39126: WORKER UNEXPECTED FATAL ERROR IN KUPW\$WORKER GATHER_PARSE_ITEMS JAVA
	 19672263: Patch 19672263: GTT SESSION LEVEL STATISTICS RETURNS ORA-20006
	RAC Only:
	 21260431: APPSST 12C: GETTING ORA-4031 AFTER 12C UPGRADE
	 21373473: INSTANCE TERMINATED AS LMD0 AND LMD2 HUNG FOR MORE THAN 70 SECS
	Other Components:
	 Perl interpreter 5.0 or later
	 X-Windows interface
	 JDK 1.8 with latest security updates
Database Server 12c	Oracle Database Enterprise Edition 19c (19.3.0+) with the following specifications:
	Components:
	 Enterprise Edition
	 Examples CD
	Other Components:
	 Perl interpreter 5.0 or later
	 X-Windows interface
	■ JDK 1.8

Table 1–1 (Cont.) Database Server Requirements

Note: By default, JDK is at 1.7, upgrade JDK to 1.8.

Note: Bash Shell is supported and usage of any other shell may have adverse impact on the app functions.

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Check Supported ODI Requirements

General requirements for an Oracle Data Integrator running Oracle Retail Financial Integration Pack include:

Supported on	Versions Supported
Data Integrator Server OS	OS supported with Oracle Database 12c Enterprise Edition or 19c (19.3.0+) Enterprise Edition. Options are:
	 Oracle Linux 6 or 7 for x86-64 (Actual hardware or Oracle virtual machine).
	 Red Hat Enterprise Linux 6 or 7 for x86-64 (Actual hardware or Oracle virtual machine).
	 AIX 7.1 (Actual hardware or LPARs)
	 Solaris 11.x SPARC (Actual hardware or logical domains)
	 HP-UX 11.31 Integrity (Actual hardware, HPVM, or vPars)
Data Integrator 12c	Oracle Data Integrator Release 12c (12.2.1.4.0) with the following specifications:
	Oracle Fusion Middleware 12c Release 1 (12.2.1.4.0)
	Components:
	• Oracle Data Integrator 12c Release 1 (12.2.1.4.0)

 Table 1–2
 Supported ODI Requirements

Check Supported Application Server Requirements

General requirements for an application server capable of running the Oracle Retail Financial Integration application include the following:

Supported on	Versions Supported	
Application Server OS	OS supported with Oracle Fusion Middleware 12.2.1.4.0. Options are:	
	 Oracle Linux 6 or 7 for x86-64 (Actual hardware or Oracle virtual machine). 	
	 Red Hat Enterprise Linux 6 or 7 for x86-64 (Actual hardware or Oracle virtual machine). 	
	 AIX 7.1 (Actual hardware or LPARs) 	
	 Solaris 11.x SPARC (Actual hardware or logical domains) 	
	 HP-UX 11.31 Integrity (Actual hardware, HPVM, or vPars) 	

Table 1–3 Application Server Requirements

Supported on	Versions Supported
Application Server	Oracle Fusion Middleware 12.2.1.4.0
	Components:
	• Oracle WebLogic Server 12c (12.2.1.4.0)
	 Java: JDK 8 with latest security updates+ 64 bit
	Oneoff Patches:
	 22648025: Java.lang.IllegalStateException.
	Note:
	 If there is an existing WebLogic installation on the server, you must upgrade to WebLogic 12.2.1.4.0. All middleware components associated with WebLogic server 10.3.3 or 10.3.4 should be upgraded to 12.2.1.4.0.
	Back up the weblogic.policy file (\$WL_HOME/ server/lib) before upgrading your WebLogic server, because this file could be overwritten. Copy over the weblogic.policy backup file after the WebLogic upgrade is finished and the post patching installation steps are completed.
	 The installer can fail because of missing .jar in \$ORACLE_HOME/utils/ccr/lib. This issue occurs only when the application is being installed on the same WebLogic server on which forms based applications are installed. It is valid only for Linux 64-bit.
	 WebLogic 12c domain for ORFI needs JRF to be installed. Choose the JRF option at the domain creation. JRF needs an RCU schema for its runtime. This schema must be created prior to domain creation using the RCU tool.
	Weblogic 12.2.1.4.0 needs OWSM for Policy A and C to work. The owsm template choice while creating the wls domian, will give an option to deploy wsm-pm application to admin server. This app is required for policies to work.

Table 1–3 (Cont.) Application Server Requirements

Check Supported Client PC and Web Browser Requirements

Requirement	Version
Operating system	Windows 7
	Note: Oracle Retail assumes that the retailer has ensured its Operating System has been patched with all applicable Windows updates.
Display resolution	1024x768 or higher
Processor	2.6GHz or higher
Memory	1GByte or higher
Networking	intranet with at least 10Mbps data rate

Table 1–4 Supported Client PC and Web Browser Requirements
--

Requirement	Version	
Oracle (Sun) Java Runtime Environment	1.8.0+	
Browser	Mozilla Firefox 45+	

Table 1–4 (Cont.) Supported Client PC and Web Browser Requirements

Supported Oracle Retail Products

Table 1–5 Supported Oracle Retail Products	
Requirement	Version
Oracle Retail Merchandising Cloud Services	21.0.000
Oracle Retail Invoice Matching (ReIM)	21.0.000
Oracle Retail Integration Bus (RIB)	21.0.000
Oracle Retail Bulk Data Integration (BDI)	21.0.000

UNIX User Account Privileges to Install the Software

A UNIX user account is needed to install the software. The UNIX user that is used to install the software should have write access to the WebLogic server installation files.

For example, oretail.

Note: Installation steps will fail when trying to modify files under the WebLogic installation, unless the user has write access.

Supported Oracle Applications

 Table 1–6
 Supported Oracle Applications

Requirement	Version
Oracle E-Business	Oracle E-Business Suite 12.2.4 integration is supported
Suite (General Ledger	using the Oracle Financial Operations Control Integration
and Accounts	Pack for Oracle Retail Merchandising Suite and Oracle
Payable)	E-Business Suite Financials.
PeopleSoft Financials (General Ledger and Accounts Payables)	Oracle PeopleSoft 9.2 integration is supported using the Oracle Financial Operations Control Integration Pack for Oracle Retail Merchandising Suite and Oracle PeopleSoft Financials.
Oracle Financials	Oracle Financials Cloud Release 13 Update 19B integration
Cloud(General	is supported using the Oracle Financial Operations
Ledger and Accounts	Control Integration Pack for Oracle Retail Merchandising
Payable)	Suite and Oracle Financials Cloud.

Note on Compatibility of Financial Applications (EBS, PeopleSoft, and Cloud Financials) and ORFI: The release cycle of Oracle E-Business Suite Financials (EBS), Oracle PeopleSoft Financials and Cloud Financials (CFIN) does not align with Oracle Retail's Enterprise release cycle. Because of this discrepancy, the certification of newer versions of EBS Financials, PeopleSoft Financials and Cloud Financials with the Oracle Retail suite of applications can be delayed. Because the Oracle Retail Financial Integration (RFI) product aligns its release with the Oracle Retail Enterprise release cycle, Oracle Retail Development will attempt to certify RFI, and other Oracle Retail applications, with newer versions of EBS, PeopleSoft, and CFIN in every major (.0), not minor (.x), release of Oracle Retail applications.

Though they are not officially certified with Oracle Retail applications, the minor version patches of EBS Financials, PeopleSoft Financials and Cloud Financials (that are higher than that which is certified with Oracle Retail applications) may be compatible and function properly.

Oracle Support will attempt to help customers to resolve issues that arise in these implementations that do not include documented, certified versions. Oracle Retail will try to duplicate the issues on certified versions of the integration, and if the issues can be duplicated in the certified versions, Oracle Retail will strive to fix and resolve the issues. If there arises an issue that cannot be resolved in an uncertified implementation, Oracle Retail maintains final discretion on its actions. In such situations, Oracle Support will try to help customers resolve their issues. Note, however, that in an uncertified version combination, SEV-1 escalations would not be allowed.

ORFI and Oracle WebLogic Server Cluster

Because ORFI must preserve the message publication and subscription ordering, ORFI deployed in Oracle WebLogic Server cannot be configured in an active-active cluster mode. In active-active cluster mode, multiple subscribers and publishers will process messages simultaneously and there will be no way to preserve message ordering.

ORFI can be deployed to a single instance of an Oracle WebLogic server that is clustered (active-passive). In this configuration, even though RFO is deployed in a WebLogic cluster, multiple instances of ORFI are not running at the same time, as there is only one WebLogic instance where ORFI is deployed. Therefore, ORFI can still preserve message ordering.

To truly configure ORFI for high availability, the only option is to configure it in active-passive mode.

ORFI Installation

This guide details the steps needed to perform an installation of ORFI. This will cover the EBS Business Event Subscription setup for currency rate and suppliers if integrating with EBS 12.2.4. This will cover the PeopleSoft integration broker service configuration setup for currency rate, suppliers and pay terms. This will also cover the configuration of the Cloud Financials Supplier Sync Service. Along with the ORFI layer setup and creation of ODI master and work repositories, importing the ODI packages, scheduling the ODI scenarios and integration with BDI.

Before validating integration services, you must ensure that Oracle Retail Merchandising System (RMS), Oracle Retail Invoice Matching (ReIM), and Oracle Retail Sales Audit (RESA) are set up properly to integrate with ORFI. For more information, see the Oracle Retail Invoice Matching Operations Guide, and the Oracle Retail Merchandising System Operations Guide, Volume 3, for setting up the Oracle Retail applications for Financials integration. Details to validate include verifying that currency rate IGS service is up, RMS supplier and payment terms services are up and running. For AP/GL invoice integrations to work, ensure that proper GL Account validation and Drill forward/backward report URL are properly configured.

The following chapters document the installation process:

- ORFI Database Installation Tasks
- ORFI Application Installation Tasks
- EBS Database Installation Tasks
- EBS Event Subscription Tasks
- PeopleSoft Database Installation Tasks
- PeopleSoft Setup Tasks
- Cloud Financials Setup Tasks
- ODI Setup Tasks (Not Applicable for CFIN Implementation)

Note: After you have installed your supporting Oracle Retail applications and confirmed that they are functioning, you can begin the installation of ORFI

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ORFI Database Installation Tasks

This chapter includes:

- Expand the ORFI Installer Distribution
- Database Schema Topology
- Create Tablespaces
- Create the ORFI Database User
- Run the ORFI Database Schema Installer
- Verification

Expand the ORFI Installer Distribution

- 1. Log in to the UNIX server as a user who has sufficient access to run sqlplus from the Oracle Database installation.
- **2.** Create a new staging directory for the ORFI installer distribution (RetailFinancialIntegrationPak22.0.000ForRfi22.0.000_eng_ga.zip). There should be a minimum of 50 MB disk space available for the application and database schema installation files. This location is referred to as INSTALL_DIR for the remainder of this chapter.
- **3.** Copy RetailFinancialIntegrationPak22.0.000ForRfi22.0.000_eng_ga.zip to <INSTALL_DIR> and extract its contents.

Database Schema Topology

This topology diagram shows how different schemas are integrated with each other. There are three diagrams; one with EBS as the integrating financial system, one for Oracle PeopleSoft as the integrating financial system and the last one with Cloud Financials (CFIN) as the integrating financial system.

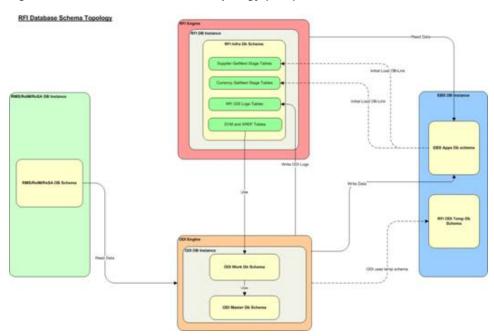
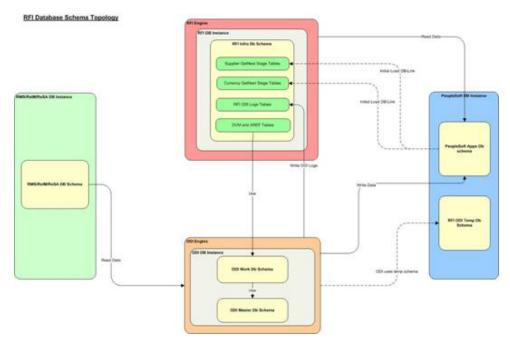


Figure 3–1 RFI Database Schema Topology (EBS)

Figure 3–2 RFI Database Schema Topology (PeopleSoft)



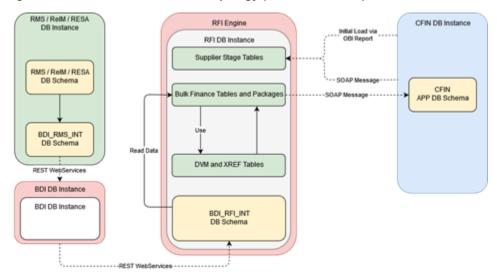


Figure 3–3 RFI Database Schema Topology (Cloud Financials)

Create Tablespaces

Before you run the ORFI database schema installer, make sure that the RFI_DATA tablespace has been created in the database.

Below is an example of tablespace creation statement for the RFI_DATA tablespace. Oracle Retail recommends the use of locally managed tablespaces with automatic extent and segment space management.

Note: These tablespaces are not sized for a production environment. The customer's Database Administrator should create the tablespace based on their datacenter database architecture and size it appropriately based on expected data volume for their peak data usage.

```
CREATE TABLESPACE RFI_DATA DATAFILE

'<datafile_path>/rfi_data01.dbf' SIZE 500M

AUTOEXTEND ON NEXT 100M MAXSIZE 2000M

EXTENT MANAGEMENT LOCAL

SEGMENT SPACE MANAGEMENT AUTO

;
```

Create the ORFI Database User

The user in the database who will own the ORFI tables must be created prior to running the ORFI database schema installer. A create_user.sql script has been provided that can be used for this:

\$INSTALL_

DIR/retail-financial-integration-solution/service-based-integration/setup-data/ddl /create_user.sql

After installation is completed, a detailed database user creation log file is created:

\$INSTALL_

DIR/retail-financial-integration-solution/service-based-integration/setup-data/ddl/c reate_user.log

The script takes three arguments on the command line in sqlplus: username, password and ORFI tablespace name. For example:

SQL> @create_user.sql <RFI Schema> <RFI Schema Password> <RFI Tablespace Name>

Review this script and run it as a user with adequate permissions, such as SYSTEM.

Note: The same RFI DB Schema can be used later for receiver service, job xml and RFI Batch job admin. RFI BDI Job Admin and RFI should share the same schema.

Run the ORFI Database Schema Installer

This installer installs the ORFI database schema, compiles ORFI objects, and inserts ORFI data.

- 1. Set the following environment variables:
 - Set the ORACLE_HOME to point to an installation that contains sqlplus. It is
 recommended that this be the ORACLE_HOME of the ORFI database.
 - Set the PATH to: \$ORACLE_HOME/bin:\$PATH
 - Set the ORACLE_SID to the name of your database
 - Set the NLS_LANG for proper locale and character encoding

For example: NLS_LANG=AMERICAN_AMERICA.AL32UTF8

- **2.** If you are using an X server such as Exceed, set the DISPLAY environment variable so that you can run the installer in GUI mode (recommended). If you are not using an X server, or the GUI is too slow over your network, unset DISPLAY for text mode.
- **3.** Based on whether integrating Oracle Financials application is EBS, PeopleSoft, or Cloud Financials run one of the initial setup scripts available in \$INSTALL_DIR/retail-financial-integration-solution/service-based-integration/bin/. After installation is completed, a detailed installation log file is created: \$INSTALL_DIR/retail-financial-integration-solution/service-based-integration/bin/<timesta mp>.log.

For example:

For EBS integration, run the prompt

\$ sh ebs-load-initial-setup-data-into-integration-schema.sh

OR

For PeopleSoft integration, run the prompt

\$ sh psft-load-initial-setup-data-into-integration-schema.sh

OR

For CFIN integration, run the prompt

\$ sh cfin-load-initial-setup-data-into-integration-schema.sh

The installer prompts for the following details:

- Enter the ORFI database schema details
 Enter ORFI Userid:
 Enter ORFI Passwd:
- Enter the ORFI database server name
 Enter Database Server Name or IP address:
- Enter the ORFI database server port Enter Database Port Number:
- Enter the ORFI database server SID
 Enter Database SID:

Verification

Log in to the ORFI database schema in the database and query

"SELECT * FROM TAB WHERE TNAME LIKE 'RFI%'"

This query should list the following tables:

- RFI_CURR_RATE_STAGE
- RFI_ODI_LOGS
- RFI_SUPP_CONTACTS_STAGE
- RFI_SUPP_SITES_STAGE
- RFI_SUPP_STAGE
- RFI_XREF_DVM

If integration with PeopleSoft as Oracle Financials application, then along with above mentioned tables the below two tables should also be listed:-

- RFI_TERMS_HEAD
- RFI_TERMS_DETAIL

If the integration with Cloud Financials as Oracle Financials Application, then along with above mentioned tables the tables bellow should also be listed:

- EXT_FIN_SYSTEM_FILES_CONTENT
- RFI_SYSTEM_OPTIONS
- EXT_FIN_FILE_CONTENT_DETAIL
- RFI_CFIN_STATUS_DESC
- STG_FIF_GL_DATA
- STG_FIF_GL_DATA_HIST
- RFI_CFIN_RMS_ACCOUNT_ENTRY
- RFI_CFIN_RMS_ACNT_ENTRY_STATUS
- IM_FINANCIALS_STAGE
- IM_FINANCIALS_STAGE_HIST
- RFI_CFIN_REIM_ACCOUNT_ENTRY
- RFI_CFIN_REIM_ACNT_ENTRY_STATUS

- IM_AP_STAGE_HEAD
- IM_AP_STAGE_DETAIL
- IM_AP_STAGE_HEAD_HIST
- IM_AP_STAGE_DETAIL_HIST
- RFI_CFIN_AP_INV_INTERFACE
- RFI_CFIN_AP_INV_LINE_INTERFACE
- RFI_CFIN_AP_INV_INT_STATUS

4

ORFI Application Installation Tasks

This chapter includes:

- Prerequisite
- Expand the ORFI Installer Distribution
- Configure the Deployment Info for JSON File
- Service Consumer Security
- Generate the EBS Component
- Verify that the EBS jar has been Created
- Deploy the ORFI Application for EBS
- Deploy the ORFI Application for PeopleSoft
- Verification

Prerequisite

Before proceeding you must install Oracle WebLogic Server 12c 12.2.1.4.0 and any patches listed related to Weblogic Server 12c 12.2.1.4.0. Create a WebLogic domain called rfi_domain. This WebLogic domain must be of a base domain type. Create a managed server (for example, rfi-server) inside this rfi_domain. The ORFI application will be installed into the WebLogic managed server (for example, rfi-server). It is assumed that the Oracle database has already been configured and loaded with the appropriate ORFI/ RMS/ EBS/ or ODI (Master, Work, and Staging Area) schema details for your installation. This server is referred to as RFI_SERVER in this document.

You need to execute the steps in the Expand the ORFI Installer Distribution section if the UNIX environments for the ORFI database and WebLogic Server are different.

1. Update \$WEBLOGIC_HOME/server/lib/weblogic.policy file with the following:

Note:

- If copying the following text from this guide to UNIX, ensure that it is properly formatted in UNIX. Each line entry beginning with "permission" must terminate on the same line with a semicolon.
- <WEBLOGIC_ HOME> in the below example is the full path to where WebLogic has been installed. "rfi_server" is the managed server created for the App and "retail-financial-integration-ear-<version>.ear" correlates to the value entered for the application deployment name/context root of the application during installation. See the example. There should not be a space after file: in the following:

File:<WEBLOGIC_HOME>.

grant codeBase

```
"file:<WEBLOGIC_HOME>/user_projects/domains/rfi_domain/servers/rfi-server/tmp/_
WL_user/ retail-financial-integration-ear-<version>.ear/-" {permission
java.security.AllPermission;permission
oracle.security.jps.service.credstore.CredentialAccessPermission
"credstoressp.credstore", "read,write,update,delete";permission
oracle.security.jps.service.credstore.CredentialAccessPermission
"credstoressp.credstore.*", "read,write,update,delete";}
```

An example of the full entry that might be entered is:

grant codeBase

```
"file:/u00/rfi1/Oracle/Middleware/user_projects/domains/rfi_
domain/servers/rfi-server/tmp/_WL_user/
retail-financial-integration-ear-21.0.000.ear/-" {permission
java.security.AllPermission;permission
oracle.security.jps.service.credstore.CredentialAccessPermission
"credstoressp.credstore", "read,write,update,delete";permission
oracle.security.jps.service.credstore.CredentialAccessPermission
"credstoressp.credstore.*", "read,write,update,delete";};
```

Note:

- The path "tmp/_WL_ user/retail-financial-integration-ear-<version>.ear" will not be available before the deployment.
- The domain must be bounced for the above change to take affect.

Note: The nodemanager.properties file is created after NodeManager is started for the first time. It will not be available before that point. The NodeManager must be restarted after making changes to the nodemanager.properties file.

Expand the ORFI Installer Distribution

1. Log in to the UNIX server where the WebLogic server is installed as a user who has sufficient access to deploy an application from the Oracle WebLogic installation.

- Create a new staging directory for the ORFI installer distribution (RetailFinancialIntegrationPak22.0.000ForRfi22.0.000_eng_ga.zip). There should be a minimum of 50 MB disk space available for the application and database schema installation files. This location is referred to as INSTALL_DIR for the remainder of this chapter.
- **3.** Copy RetailFinancialIntegrationPak22.0.000ForRfi22.0.000_eng_ga.zip to <INSTALL_DIR> and extract its contents.

Note: Before proceeding with below installation, read through the below instructions and ensure follow the same during installation:

- 1. It is highly recommended that customer first try to get it deployed with security policy "unsecure", do some mock test and only when everything is working, reconfigure to use "policyA".
- **2.** If "policyA" is specified then SSL port must be enabled and proper https protocol has to be specified in the correct URLs. If it is not done WebLogic deployment fails with cryptic errors.
- **3.** RFI ear hosted services providers can be configured only with policyA (no policyB) as PLSQL applications cannot call services secured with policyB. But RFI can call services secured with policyB

Configure the Deployment Info for JSON File

The rfi-deployment-env-info.json file serves multiple purposes. It is used by the installation process and it also acts as a single master configuration file that describes the entire topology of the integration system. The values in this file must be accurate for the system to work properly. All values in the file are not user editable; the installation process needs these fixed names to match what the compiled runtime code already expects. Some examples of these fixed values that must not be changed are constants like "GET_FROM_WALLET"; jndi name like "jdbc/RfiDataSource" and so on.

You need to configure the following list of deployment information to run the ORFI deployment script. This file can be found under \$INSTALL_ DIR/retail-financial-integration-solution/service-based-integration/conf/.

Note:

- Do not change "Alias" Names or any other values other than the details given below.
- You should remove the symbols "<" and ">" while entering the actual/valid values for below configurations.

Update the following details from RfiDeploymentEnvInfo -> integratingToEbsOrPsftOrCfin, mentioned based on whether integration is with EBS PeopleSoft OR Cloud Financials

- If integration is with EBS, the value should be integratingToEbsOrPsftOrCfin":"EBS", Or,
- If integration is with PeopleSoft, the value should be integratingToEbsOrPsftOrCfin":"PSFT", Or,
- If integration is with Cloud Financials, the value should be integratingToEbsOrPsftOrCfin":"CFIN"

Note: Default configuration would be integrating ToEbsOrPsftOrCfin":"CFIN".

Update the following details from RfiDeploymentEnvInfo -> DataSourceDef configuration:

Based on whether the integration is with EBS, PeopleSoft or Cloud Financials enter the below mentioned details against corresponding datasource names.

1. In EbsDataSource, enter the EBS database connection details:

```
"jdbcUrl":"jdbc:oracle:thin:@//<Server Name>:<Port>/<SID>"
OR
In PsftDataSource , enter the PeopleSoft database connection details. Leave
EbsDataSource and PsftDataSource with default values if financial system is
CFIN.
```

2. In RmsDataSource, enter the RMS database connection details:

"jdbcUrl":"jdbc:oracle:thin:@//<Server Name>:<Port>/<SID>" (Not applicable to CFIN).

3. In RfiDataSource, enter the ORFI database connection details:

```
"jdbcUrl":"jdbc:oracle:thin:@//<Server Name>:<Port>/<SID>"
```

4. In OdiMasterDataSource, enter the ODI Master repository database connection details:

"jdbcUrl":"jdbc:oracle:thin:@//<Server Name>:<Port>/<SID>" (Not applicable to CFIN).

5. In OdiWorkDataSource, enter the ODI Work repository database connection details:

"jdbcUrl":"jdbc:oracle:thin:@//<Server Name>:<Port>/<SID>" (Not applicable to CFIN).

6. In OdiStagingAreaDataSource, enter the ODI Staging database connection details:

"jdbcUrl":"jdbc:oracle:thin:@//<Server Name>:<Port>/<SID>"

Note: It is recommended to have the ODI Staging Schema (RFI_ODI_ TEMP) in the EBS or PeopleSoft database. (Not applicable to CFIN).

- Update the following details from RfiDeploymentEnvInfo -> MiddlewareServerDef -> RfiAppServer configuration:
 - Enter the WebLogic domain name:

"weblogicDomainName":"<RFI Domain Name>",

- Enter the RFI Domain Home:
 "weblogicDomainHome":"<RFI Domain Name>",
- Enter the RFI Domain Server URL:

"weblogicDomainAdminServerURL":"t3://Server Host name:port",

Enter the WebLogic admin server protocol:

"weblogicDomainAdminServerProtocol":"t3",

• Enter the WebLogic admin server host name:

"weblogicDomainAdminServerHost":"<Server Host Name>"

Enter the WebLogic server port:

"weblogicDomainAdminServerPort":"<port>"

Enter the WebLogic Managed Server Name:

"weblogicDomainTargetManagedServerName":"<Server Name>"

• Enter the End point URL for GlAccount Service:

"glAccountValidationServiceEndPointUrl":"http://myhostname:7001/GlAccountVa lidationBean/GlAccountValidationService?WSDL",

If integration is with PeopleSoft enter the End point URL for below mentioned services. If integration is with EBS and CFIN please skip a - d service configuration steps.

- a. Enter the End point URL for drillBackForward Service: drillBackForwardUrlServiceEndPointUrl":"http://myhostname:7001/Drill BackForwardUrlBean/DrillBackForwardUrlService?WSDL",
- Enter the End point URL for Supplier Service: supplierBusinessEventHandlerServiceEndPointUrl":"http://myhostname: 7001/SupplierBusinessEventHandlerServiceBean/SupplierBusinessEvent HandlerService?WSDL",
- **c.** Enter the End point URL for Payterms Service: payTermBusinessEventHandlerServiceEndPointUrl":"http://myhostname :7001/PayTermBusinessEventHandlerServiceBean/PayTermBusinessEven tHandlerService?WSDL",
- d. Enter the End point URL for Currency Rate Service: currencyRateBusinessEventHandlerServiceEndPointUrl":"http://myhostn ame:7001/CurrencyRateBusinessEventHandlerServiceBean/CurrencyRate BusinessEventHandlerService?WSDL",

If integration is with Cloud Financials enter the End point URL for below mentioned services. If integration is with EBS please skip step a service configuration steps

a. Enter the End point URL for Supplier Service:

supplierExportOutboundServiceEndPointUrl":"http://myhostname:7001/ SupplierBusinessEventHandlerServiceBean/SupplierBusinessEventHandlerService?WSDL",

Enter the ORFI UI URL host name and port details:

"rfiAdminUiUrl":"http://<host>:<port>/retail-financial-integration-web",

• Enter the SMTP server host:

"smtpServerHost":"<SMTP Server Host>"

Enter the SMTP server port:

"smtpServerPort":"<SMTP Server Port>"

Enter the SMTP server type (for example, SSL or TSL):

```
"smtpServerListenerType":"<SMTP Server Type>"
```

- Enter "true" if authentication required for SMTP server, else "false":
 "smtpAuthenticationRequired":"<true/false>"
- Enter the From Email Address:

```
"smtpMailFromAddress":"<From Address>"
```

Enter the Comma (,) separated To Address list:

```
"smtpMailToAddressList":"<To Address Email Id's>"
```

For example:

"smtpMailToAddressList":"<ToAddr1@example.com,ToAddr2@example.com>"

8. Update an Integrated Gateway Services detail for Currency Rate service from RfiDeploymentEnvInfo -> MiddlewareServerDef -> IgsAppServer configuration.

Enter the IGS Currency Rate End point URL (Not applicable to CFIN):

```
"currencyRateServiceEndPointUrl":"<Currency Rate URL>"
```

9. Update RfiDeploymentEnvInfo -> MiddlewareServerDef -> RmsAppServer details for Supplier Service.

Enter the Supplier service End point URL:

```
"supplierServiceEndPointUrl":"<Supplier URL>"
```

If integration is with PeopleSoft enter the End point URL for below mentioned services. If integration is with EBS or CFIN please skip 1 - 2 service configuration steps.

- Enter the report locator service End point URL: reportLocatorServiceEndPointUrl":"http://rmshostname:19203/ReportLocator rBean/ReportLocatorService?WSDL",
- Enter the payterm service End point URL: payTermServiceEndPointUrl":"http://rmshostname:19203/PayTermBean/Pay TermService?WSDL",
- **10.** If integrating with EBS, Update RfiDeploymentEnvInfo -> MiddlewareServerDef -> EbsAppServer details for Supplier Service:

Enter the EBS server \$JAVA_TOP folder path

"ebsInstanceJavaTopLocation":"<JAVA_TOP>"

For example:

"ebsInstanceJavaTopLocation":" /u01/applmgr/apps/apps_st/comn/java/classes"

11. Enter the WebLogic DomainAdminServerUrl

For example:

```
weblogicDomainAdminServerUrl": t3://ebshostname:7001
```

Note: If EBS is installed on Oracle Application Server substitute the corresponding OAS/oc4j information instead of WebLogic server information.

Example: "weblogicDomainAdminServerUrl": "opmn:ormi://ebshostname:7001"

- **12.** If integrating with PeopleSoft, Update RfiDeploymentEnvInfo -> MiddlewareServerDef -> PsftAppServer
 - Enter the WebLogic domain name:

"weblogicDomainName":"<PSFT Domain Name>",

Enter the WebLogic domain home:

"weblogicDomainHome":"/path/<PSFT Domain Name>",

• Enter the WebLogic domain admin server url:

"weblogicDomainAdminServerUrl":" t3://psfthostname:7777",

Enter the WebLogic domain admin server useralias

"weblogicDomainAdminServerUserAlias":"psftAppServerAdminServerUserAlias"

Enter the PeopleSoft Application URL:

"psftApplicationUrl":"http://psfthostname:port/psp",

Enter the Combochart Field service End point URL:

"comboChartFieldServiceEndPointUrl":"http://psfthostname:7777/PSIGW/PeopleS oftServiceListeningConnector/COMBO_CF_EDIT_REQUEST.1.wsdl",

• Enter the rfiInvoice Drill forward service End point URL:

"rfiInvoiceDrillForwardServiceEndPointUrl":"http://psfthostname:7777/PSIGW/ PeopleSoftServiceListeningConnector/RFI_INV_DRILLFORWARD_SERVICE.1.wsdl"

- **13.** If integrating with Cfin, Update RfiDeploymentEnvInfo -> MiddlewareServerDef -> CfinAppServer
 - Enter the Financial Util Service End Point URL:

"financialUtilServiceEndPointUrl":"http://serve.example.com/fscmService/Erp IntegrationService?WSDL",

Enter the General Ledger Account Validation Service End Point URL:

"financialUtilServiceEndPointUrl":"http://serve.example.com/fscmService/Acc ountCombinantionService?WSDL",

Enter the number of retention days for Bulk Finance data in RFI:

"autoPurgeDelay":"30d",

14. Update the following details from RfiDeploymentEnvInfo -> MiddlewareServerDef -> RfiBulkServer configuration (Not applicable to CFIN Implementation):

- Enter the odi host name: "odiHost": "odihostname",
- Enter the odi url : odiUrl:"/path/odi_is_installed",
- Enter the odi Agent host : "odiAgentHost": "odihostname",

- Enter the odi Agent port : odiAgentPort":"20910"
- 15. The supported configuration is for Unsecured and Policy A configuration.
- **16.** Update the application security configuration for your environment. ORFI application is certified with Policy-A (UsernameToken over HTTPS). Add one of the key words policyA or Unsecured to service settings based on the nature of security selected at the service level.

Example:

For Currency Rate Service, Policy A (HTTPS) setting, update the JSON file with policyName to policyA:

"currencyRateServiceEndPointSecurityPolicyName":"policyA".

For Supplier Service, Policy A (HTTPS) setting, update the JSON file with policy Name to policyA:

"supplierServiceEndPointSecurityPolicyName":"policyA".

For Currency Rate Service, unsecured setting, update the JSON file with policyName to spaces:

"currencyRateServiceEndPointSecurityPolicyName":" Unsecured".

For Supplier Service, Unsecured setting, update the JSON file with policyName to spaces:

```
"supplierServiceEndPointSecurityPolicyName":" unsecure".
```

Refer to Appendix B, "Appendix: JSON in Tabular Format" for complete JSON configuration in Tabular format.

Note: By default the maximum number of in-memory sessions for WebLogic web applications is unlimited. This setting can be misused by external attackers to create unlimited number of sessions by accessing the web application. In such cases it is possible that the WebLogic server run out of memory and eventually crash. So it is required to limit the number of sessions to a reasonable number (e.g., 100). The settings can be changed through the admin console of the WebLogic server. Follow the steps below to change this configuration setting:

- **1.** Login to Admin Console.
- 2. Click Deployments.
- **3.** Click the war application (or war module if it is inside an ear application).
- 4. Click Configuration.
- 5. Set Maximum in-memory Sessions to 100.
- **6.** Save the changes. Activate the session, if needed.

Service Consumer Security

ORFI can be secured with policy-A (UsernameToken over HTTPS), if the service hosted by the ORFI application is secured, then the consumer of the service (Example: RMS) must be configured such that it can invoke the secured service. For more information on Service consumer configuration for Policy A, see the Oracle Retail Services Backbone Security Guide. If cluster server is SSL enabled only, enable secure replication.

If secure application is not enabled and if managed server is started, managed server will move to ADMIN mode.

Enable the Secure Replication Enabled option available in Environment --> Clusters --> <cluster name> --> Configuration --> Replication.

Change Center	Home Log (Out Preferences	Record Help		Q						
View changes and restarts	Home >Summar	ry of Clusters >rsb,	cluster >Summary of	Clusters > rsb_cb	uster						
No pending changes exist. Click the Release Configuration button to allow others to edit the domain.	Settings for rs	Settings for rsb_cluster									
	Configuration	Monitoring	Control Deploym	ents Services	Notes						
Lock & Edit	General Me	ssaging Serven	Replication	Mgration Sir	ngleton Services	Scheduling	Overload	Health Monitoring	HTTP		
Release Configuration	Save										
Domain Structure	1										
rsb_domain © Environment	This page is u	This page is used to configure how WebLogic Server will replicate HTTP Session State across a cluster.									
- Grivers Science 	🕖 Cross-clu	Cross-cluster Replication Type:						6	-	Optimizes cross-cluster replication for the type of n administrative communication. More Info	
	and Remote C	Remote Cluster Address:								Set the foreign cluster. Cluster infrastructure uses Session WAUMAN failover. More Info	
	🛃 Replicatio	🛃 Replication Channel:			ReplicationChannel					The channel name to be used for replication traffic. updates for HTTP sessions and stateful session bea used. More info	
Services	de Data Sou	Data Source For Session Persistence:				¥.				To support HTTP Session failover across data cents disk. More Info	
How do L Configure dusters Configure orser-duster repication Configure orses-duster repication Configure HTTP settings for a duster	ା 🖓 Persist Sessions ପର Shutdown									When shutting down servers, sessions are not upd sension are shut down with no sension updates, the PersetSessenCHCRUNKOW will be any with the se ClasterMean spectration or of second Persisten be written all any other time. The councile, they a crash.) More Info	
Configure HTTP settings for a cluster Create 3DBC generic data sources	C de Secur	e Replication En	abled							Servers in a duster replicate session data. If a repl sent using the replication channel protocol and sec replication channel is defined and secured replicatic	
System Status										replication will be sent over SSL using the default so replication traffic comes with a significant duster pe	
Health of Running Servers										security is of greater concern than performance de	
Falled (0)	- D Advance	d									

Note: Due to known vulnerabilities, SSLv3.0 is not considered secure and should be disabled in WLS. For secured installations the latest TLS version is recommended. Use -DWebLogic.security.SSL.minimumProtocolVersion=TLSv1.2-Dweblo

gic.security.SSL.protocolVersion=TLS1.

WebLogic 12.2.1.4.0, needs OWSM for Policy A and C to work. The OWSM template choice while creating the wls domian will provide an option to deploy the wsm-pm application to the admin server. This application is required for policies to work. If http ports are disabled in the server, then wsm-pm app will not be reachable , unless its configured to use SSL port. To configure SSL ports for wsm-pm, EM has to be deployed.

Perform the following procedure to configure the RIB domain:

1. Select the following RIB domain creation template options (check similar option in latest recommended version):

Fusio Templates	on Middleware Configuration Wizard - Page 2 of 12 ORACLE FUSION MIDDLEWARE
Create Domain Application Location Administrator Account Domain Mode and JDX Database Configuration Type Component Datasources JDBC Test Advanced Configuration Configuration Summary Configuration Progress End Of Configuration	O'create Domain Using Broduct Templates: Filter Templates: Type here Include all gelected templates Include all previously applied templates Available Templates: Image: Available Templates: Include all gelected templates Image: Available Templates: Include all gelected templates Image: Available Templates: Include all gelected templates Available Templates: Image: Available Templates: Include all gelected templates Available Templates: Image: Available Templates: Include all gelected templates Available Templates: Image: Available Templates: Include all gelected templates Available Templates: Image: Available Templates: Include all gelected templates Available Template: Image: Available Templates: Include all gelected templates Available Template: Image: Available Templates: Include all gelected templates Oracle Bifs - 12 2: 1.3 0 (oracle_common] Image: Available Template Include all gelected templates Oracle Bifs - 12 2: 1.3 0 (oracle_common] Image: Available Template Include Templates Oracle Bifs - 12 2: 1.3 0 (oracle_common] Image: Available Template Include Templates Oracle Bifs - 12 2: 1.3 0 (oracle_common] Image: Available Templates Include Templates Oracle Bifs - 12 2: 1.3 0 (oracle_common] Image: Available Templates Include Templates Oracle Bifs - 12 2: 1.3 0 (oracle_common] Image: Available Templ
Help	< jack Next> Einish Cancel

2. Access the enterprise Manager URL of WebLogic.

For example: https://<host>:<port>/em

- **3.** From the navigation pane, expand WebLogic Domain and select the domain to be configured.
- **4.** From the WebLogic Domain menu, select Web Services, then WSM Domain Configuration.
- **5.** Select the Policy Access tab.
- **6.** In the Policy Manager section of the page, clear the Auto Discover check box. The PM URL Edit button is enabled.
- 7. Click the PM URL Edit button.
- **8.** In the Edit PM URL Values page, click the sign and enter the URL for the Administration Server, such as t3s://host:*admin_port*/wsm-pm.

For example, t3s://localhost:9002/wsm-pm.

9. Click OK to close the window.

😸 💿 🕫 1955M Domain Configuration: https_policya_domain (Oracle WebLogic Domain) - Oracle Enterprise Manager - Coogle Chrome	ta 🖬 €) Mon May 16 9:32:11 AM 🕻
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🔄 🤃 😋 👔 🕼 👘 🖉 🕼 🕼 🕼 🖓 🖉 👘 🖉 🖉 👘 👘 👘 🖉 🖉 🖉 👘 🖉 🖉 👘 🖉 🖉 🖉 🖉 👘 🖉 🖉 👘 👘 🖉 🍅 🖉 🍅 👘 🖉 🖉 👘 👘 🖉 🖉 👘 👘 👘 🖉 🖉 🍅 🖓 🖉 👘 🖓 👘 🖓 👘 👘 👘 🖓 👘 🖓 👘 🖓 👘 🖓 🖉 🖉 🖉 🖉 🖉 🖉 🖉 🖉 🖉 🖉 🖉 🖉 🖉	순 👝 🗢 🔍 💿 🗉
ORACLE Enterprise Manager Fusion Manager Control 120	💽 WebLope Domain * 🛛 settingle * 🕬
TE Mitpa, pelicya, domain 0	May 36, 2016 2:30:37 PM UTC 🕑
WSM Domain Configuration: https_policys_domain	Apply Revent
General Authentication Message Security Parkey Access	
# Policy Manager	
PR CM Kay III	
Granete	
Passeset Rate 00000 C Edit PM URL Values x	
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P#14%. Ub.115.11.5.15.15.10020wee.ptf 🖉 Edit	
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4 59, Selap	
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a	
# Cache Management	
Fallow Rely Delay 2000 A V ns. Missing Documents Rely Delay 1000 A V ns.	
Uwer Record Datay 2000 n w ms Initial Cashe Rolman. (2000 n w ms	
Fadura Range Grout 2 A V Gaular Berlinsh Tom 80000 A V m	

10. Click Apply on the Policy Access page.

Generate the EBS Component

Note: The steps mentioned in this section should be performed only if you are integrating with EBS as Oracle Financials applications. If not, Please skip this section and continue with the "Deploy the ORFI Application".

If EBS is the Oracle Financials application: You need to generate an EBS component jar file (ebs-financial-common-21.0.000.jar). This should be placed in the EBS application environment to communicate the supplier and currency rate events to the Oracle Retail Merchandise system.

Note: Ensure JAVA_HOME and WL_HOME variables are set in the environment. WL_HOME points to the folder location till <WebLogic Installed folder>/wlserver. Aliases names and Admin Group name are not editable.

1. Run the rfi-deployer.sh (available in \$INSTALL_ DIR/retail-financial-integration-solution/service-based-integration/bin/) script to configure and save the AppServer and DB credentials to ORFI wallet.

The script takes two arguments on the command line: -setup-credentials and -prepare-ebs-side-component.

For example:

prompt\$ sh rfi-deployer.sh -setup-credentials -prepare-ebs-side-component

- **2.** The installer prompts for the following details:
 - WebLogic login credentials

Credential required for weblogicDomainAdminServerHost (<HOST_NAME>) weblogicDomainAdminServerPort (<PORT>):

Enter username for alias (rfiAppServerAdminServerUserAlias):<Enter WebLogic Admin server Login name> Enter Password: <Enter WebLogic Admin server Login password>

• ORFI Admin Group login Credentials (ORFI Admin UI)

Credential required for rfiAdminUiUrl (<Entered value in JSON file>):

Enter username for alias (rfiAdminUiUserAlias):<Enter the login name for ORFI Admin>

Enter Password: < Enter ORFI Admin Login password>

ORFI Database Schema details

Credential required for jdbcUrl (<Entered value in JSON file>):

For Currency Rate Service, Policy A setting: Installer will prompt for AdminService username, Adminservice password.

- Email Details From Email Address and password
- EBS Schema details

Enter username for alias (rfiDataSourceUserAlias):<Enter the ORFI Schema user name>

Enter Password: <Enter ORFI Schema password>

Credential required for jdbcUrl(<Entered value in JSON file>):

Enter username for alias (ebsDataSourceUserAlias):apps

Enter Password: <Enter EBS APPS Schema password>

Credential required for email address (<Entered value in JSON file>):

Verify email by retyping above email address (smtpMailFromAddressAlias): <Enter From Email Address>

Enter Password: < Enter Password for the above From Email Address>

Secured Service details:

Pre-requisites - Security admin user has been configured, User name and password has been captured. If not, follow these instructions provided in the *Oracle Retail Integration Bus Security Guide*.

Note: For Policy A Security Admin User name and Password should be provided.

The installer will prompt for service username, service password if policyA setting is configured in the JSON file. For Unsecured settings, the following steps will be skipped.

The examples below contain a combination of service and policy settings:

For Example: Credential required for Currency Rate service for Policy A:

currencyRateServiceUserAlias(https://samplehost:21977/igs-CurRatePubl ishing-AppServiceDecorator/ProxyService/CurRatePublishingAppService Proxy?wsdl):

Enter username for alias

(currencyRateServiceEndPointUserAlias): <adminusername>

Enter Password:

<adminuserpasswordserviceuserpassword>

• For Supplier Service, Policy A setting: Installer will prompt for service username and password, enter the username and password.

For Example: Credential required for Supplier service for Policy A:

supplierServiceEndPointUserAlias(https://samplehost:21999/SupplierBean
/SupplierService?WSDL):

Enter username for alias

(supplierServiceEndPointUserAlias): <adminusername>

Enter Password:

<adminuserpassword>

Verify that the EBS jar has been Created

The generated components can be verified from the following target folders:

 If integrating with EBS, A jar file "ebs-financial-common-<version>.jar" should be available in folder \$INSTALL_ DIR/retail-financial-integration-solution/service-based-integration/target/ebs-si de/rfi/rfi-ebs-event-handler/.

Note: The "rfi" folder in \$INSTALL_

DIR/retail-financial-integration-solution/service-based-integration/ta rget/ebs-side/ should be copied to a staging folder in the EBS server which will be referred as EBS_COMP_DIR in EBS UNIX environment.

Deploy the ORFI Application for EBS

Note: The steps mentioned in this section should be performed only if you are integrating with EBS as Oracle Financials applications. If not, Please skip this section and continue with the "Deploy the ORFI Application for PeopleSoft".

Before proceeding, ensure that steps mentioned under section "Generate the EBS component" is executed successfully.

Note: Ensure JAVA_HOME and WL_HOME variables are set in the environment. WL_HOME points to folder location till <WebLogic Installed folder>/wlserver.

1. Run the rfi-deployer.sh (available in \$INSTALL_

DIR/retail-financial-integration-solution/service-based-integration/bin/) script to deploy the ORFI application to the WebLogic server. This script considers all the configuration values defined in previous processes.

The script takes two arguments on the command line: -use-existing-credentials and -deploy-rfi-app.

For example: prompt\$ sh rfi-deployer.sh -use-existing-credentials -deploy-rfi-app

- 2. After successful deployment of the ORFI application, restart the WebLogic server.
- **3.** Restrict access to RFI-HOME:

cd \$RFI-HOME chmod -R 700 .

Deploy the ORFI Application for PeopleSoft

Note:

- The steps mentioned in this section should be performed only if you are integrating with PeopleSoft as Oracle Financials applications. If not, Please skip this section and continue with the "Deploy the ORFI Application for EBS"
- Ensure JAVA_HOME and WL_HOME variables are set in the environment. WL_HOME points to folder location till <WebLogic Installed folder>/wlserver
- Run the rfi-deployer.sh (available in \$INSTALL_ DIR/retail-financial-integration-solution/service-based-integration/bin/) script to deploy the ORFI application to the WebLogic server. This script considers all the configuration values defined in previous processes.

The script takes two arguments on the command line: -setup-credentials and -deploy-rfi-app.

For example: prompt\$ sh rfi-deployer.sh - setup-credentials -deploy-rfi-app

- 2. After successful deployment of the ORFI application, restart the WebLogic server.
- **3.** Restrict access to RFI-HOME:

cd \$RFI-HOME chmod -R 700 .

Deploy the ORFI Application for Cloud Financials

Note:

- The steps mentioned in this section should be performed only if you are integrating with Cloud Financials as Oracle Financials applications. If not, Please skip this section and continue with the "Deploy the ORFI Application for EBS"
- Ensure JAVA_HOME and WL_HOME variables are set in the environment. WL_HOME points to folder location till <WebLogic Installed folder>/wlserver
- Run the rfi-deployer.sh (available in \$INSTALLDIR/retail-financial-integration-solution/service-based-integration/bin /) script to deploy the ORFI application to the WebLogic server. This script considers all the configuration values defined in previous processes.

The script takes two arguments on the command line: -setup-credentials and -deploy-rfi-app.

For example: prompt\$ sh rfi-deployer.sh - setup-credentials -deploy-rfi-app

- 2. After successful deployment of the ORFI application, restart the WebLogic server.
- **3.** Restrict access to RFI-HOME:

cd \$RFI-HOME chmod -R 700 .

Verification

Log in to the WebLogic console and verify the deployments. The ORFI application ear (retail-financial-integration-ear-<version>.ear) should be available.

Note: The ORFI console now includes a new page "Manage DVM" for searching, viewing, creating, updating and deleting the Cross References (XREF) and DVM records setup in ORFI.

RFI: Dom	in Data Cro	is Reference			Para	s Refeated Too May 19 2020 17:52:38 GMT-8	We d'annual Dawlinder Ti
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			Search By Common 20		Search		
	in Data Cross					Update Dele	Add Refeat
1 2		the new All Columns are editable excepting Com 5 6 7 8 Next	non 10. Special character '¥' is not allowed.		[No. of seconds: 547]		
1 2 Click To Update Date Row	3 4	5 6 7 8 Net	ner El Special character 'V' is not allowed Category Pype Description	Retail 10		External System (D	External System
Click To	3 4 Common ID			Retail 10		External System 10	External System OFIN
Click To Update/Dele Row	3 4 Common 1D	5 6 7 8 Next	Category Type Description	Renal ID 1		Enternal System 10	
Click To Updato Date Row	3 4 Common 10 1	5 6 7 8 Next Category Type ORG_ID_INEF	Category Type Description Organization Unit M	Resal (2) 1 2 0 MP19 Sec 45	FunceDoutrestint	Entered System ID	OFIN

5

EBS Database Installation Tasks

This chapter includes:

- Prerequisite
- Copy EBS Specific Files
- Create Tablespaces
- Create the ODI Staging Database User
- Create Database Link
- Run the EBS Initial Database Setup
- Verification

Prerequisite

It is assumed Oracle database has already been configured and loaded with the appropriate EBS schema details for your installation. Skip the entire section if you are integrating with PeopleSoft.

Copy EBS Specific Files

Note: You can skip the next steps and proceed to section Create Tablespaces if you can connect to EBS Database from ORFI Server using Sqlplus.

- **1.** Log in to the EBS UNIX server as a user who has sufficient access to run sqlplus from the Oracle Database installation for APPS schema.
- **2.** Create the retail-financial-integration-solution/service-based-integration folder in the <INSTALL_DIR> folder.
- From the ORFI server, copy <INSTALL_ DIR>/retail-financial-integration-solution/service-based-integration/setup-data folder to <INSTALL_ DIR>/retail-financial-integration-solution/service-based-integration folder in EBS server.

Note: Copy initial load shell scripts from RFI server to EBS server. Copy the scripts currency_initial_load.sh and supplier_initial_load.sh from RFI server (<RFI INSTALL HOME>/retail-financial-integration-solution/etl-based-integration/r

etail-to-ebsfin-etl-flows/setup-data/dml)) to EBS server (<EBS TOP HOME>/rfi)

Create Tablespaces

Before you run the ODI Staging database user, make sure that the following tablespace has been created in the database: ODI_STAGE_DATA. Below is a sample tablespace creation statement for this tablespace. Oracle Retail recommends the use of locally managed tablespaces with automatic extent and segment space management.

Note: These tablespaces are not sized for a production environment. The customer's Database Administrator should create the tablespace based on their datacenter database architecture and size it appropriately based on expected data volume for their peak data usage.

```
CREATE TABLESPACE ODI_STAGE_DATA DATAFILE

'<datafile_path>/odi_stage_data01.dbf' SIZE 500M

AUTOEXTEND ON NEXT 100M MAXSIZE 2000M

EXTENT MANAGEMENT LOCAL

SEGMENT SPACE MANAGEMENT AUTO

;
```

Create the ODI Staging Database User

You must create an ODI Staging schema using a create_user.sql, included with the installer distribution. This will be used to execute the ODI Interface at run time. The create_user.sql script can be used to create the schema:

\$INSTALL_

DIR/retail-financial-integration-solution/service-based-integration/setup-data/ddl/c reate_user.sql

The script takes three arguments on the command line in sqlplus: username, password, and ODI Stage tablespace.

For example:

SQL> @create_user.sql RFI_ODI_TEMP <RFI_ODI_TEMP Schema Password> <ODI Stage Tablespace name>

Please review this script and run it as a user with adequate permissions, such as SYSTEM.

Connect to RFI_ODI_TEMP schema as sysdba and grant all privileges to AP schema available on EBS Database. Grant all privileges will be used for CRUD operation in RFI_ODI_TEMP tables while running ODI interfaces.

Create Database Link

You need to create a database link to load initial data for currency rate and suppliers from Oracle E-Business Suite to the Oracle Retail Financial Integration application.

- Log in to the APPS database schema in the EBS database to run create_dblink.sql script.
- Run the create_dblink.sql script available in \$INSTALL_ DIR/retail-financial-integration-solution/service-based-integration/setup-data/d dl/ from EBS APPS database schema.

The script takes four arguments on the command line: DB link name (EBS_RFI_ DBLINK), ORFI schema name, ORFI schema password, and ORFI DB URL.

For example:

SQL> @create_dblink.sql <EBS_RFI_DBLINK> <ORFI Schema> <ORFI Schema Password> <ORFI DB Host:port/SID>

Note: This database link will be used to load initial data for Currency Rate and Supplier from EBS to ORFI Staging tables. If the database link name is different from the default (EBS_RFI_DBLINK), then the user needs to update the database link name in the SQL scripts which are available in retail-financial-integration-solution/etl-based-integration/ retail-to-ebsfin-etl-flows/setup-data/dml.

Run the EBS Initial Database Setup

This installer installs the ORFI related objects to the EBS APPS database schema.

Note: Ensure, sqlplus is executable with correct the configuration information to EBS database is set in your path.

 Run the load-initial-setup-data-into-ebsfin-schema.sh script available in \$INSTALL_DIR/ retail-financial-integration-solution/service-based-integration /bin/. After installation is completed, a detailed installation log file is created: \$INSTALL_DIR/

retail-financial-integration-solution/service-based-integration/logs //<timestamp>.log.

For example: prompt\$ sh load-initial-setup-data-into-ebsfin-schema.sh

sh load-initial-setup-data-into-ebsfin-schema.sh

- **2.** The installer prompts for the following details:
 - Enter the EBS database server SID Enter Database SID.
 - Enter the EBS Schema details -Enter APPS User ID/Password.
 - Enter the EBS database server name Enter Database Server Name or IP address.
 - Enter the EBS database server port Enter Database Port Number.

Note: If you get the following error, make sure you have downloaded latest version of the ORFI software from Oracle download site and the sis configured.

ERROR: ORA-12154: TNS: could not resolve the connect identifier specified.

Verification

Log in to the APPS database schema in the EBS database and verify that the RFI_GLACCT package and package body are available in the valid status using query:

"SELECT * FROM DBA_OBJECTS WHERE OBJECT_TYPE IN ('PACKAGE','PACKAGE BODY') AND OBJECT_NAME='RFI_GLACCT';".

6

EBS Event Subscription Tasks

This chapter includes:

- EBS Event Subscription Setup
- EBS Event Subscription Install

EBS Event Subscription Setup

EBS raises the following oracle.apps.ap.supplier.event business event whenever there is a creation/modification of supplier, supplier sites, and supplier contacts.

- 1. Subscribe to the Supplier business event using Java subscription.
 - a. Log in to EBS application using sysadmin.
 - **b.** Navigate to Workflow Administrator Web Applications ->Administrator Workflow ->Business Events.
 - **c.** Search for the oracle.apps.ap.supplier.event event and click **Go**.
 - d. Click Subscription.

Figure 6–1 Business Events screen

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A business event is an occurrence in an internet or intranet applicatio you want with each other and reference them as a group in event is	or or program that might be significant to other absects in a extrem or absorptions.	to external agents. An event group i	a a type of event compose	c of a set of individual member	n events, évent propi let you as	costs any events
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- e. Click Create Subscription.
- **f.** Enter the following details:
 - System Select the System name using the LOV.
 - Source Type Local
 - Event Filter oracle.apps.ap.supplier.event
 - Phase 71 (Any number less than 99)

- Status Enabled
- Rule Data Key
- Action Type Custom
- On Error Skip to Next
- Click Next
- Java Rule Function com.oracle.retail.rfi.ebs.SupplierBES
- Owner Name Oracle Payables
- Owner Tag SQLAP

Figure 6–2 Create Subscription

ORACLE'Administrator Workflow			
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g. Click Apply.

Figure 6–3 Apply

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							Cancel Back Apply
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	the behaviour of the subscription. Provide	Java-Case name («Package».»	«Clase») for Java Rule Function	and a PUSQL stared procedure (<	Package>.+(Function>) for PL/SQ	L Rule Funtton.	
Java Rule Function	com.oracle.retal.rfl.ebs.SupplerBES						
PL/SQL Rule Function							
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* Owner Name	Oracle Payables						
* Owner Tag	SQLAP						
Customation Level	Uner						
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							Canod Back Apply

EBS raises the oracle.apps.gl.CurrencyConversionRates.dailyRate.specify business event whenever there is a creation/modification of Daily Currency Rates.

2. Subscribe to the Currency business event using Java subscription.

- **a.** Log in to EBS application using sysadmin.
- **b.** Navigate to Workflow Administrator Web Applications -> Administrator Workflow -> Business Events.
- **c.** Search for the oracle.apps.gl.CurrencyConversionRates.dailyRate.specify event and click **Go**.
- d. Click Subscription.

Figure 6–4 Subscription

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- e. Click Create Subscription.
- f. Enter the following details:
 - System Select the System name using the LOV.
 - Source Type Local
 - Event Filter oracle.apps.gl.CurrencyConversionRates.dailyRate.specify
 - Phase 70 (Any number less than 99)
 - Status Enabled
 - Rule Data Key
 - Action Type Custom
 - On Error Skip to Next
 - Click Next
 - Java Rule Function com.oracle.retail.rfi.ebs.CurrencyRateBES
 - Owner Name Oracle General Ledger
 - Owner Tag SQLGL

Figure 6–5 Create Subscription

Business Events: Events -> Ipdate Event Subscriptio	Business Events : Events > Subscriptions > Update Event Subscriptions > in : Custom	
		Cancel Back
Action		
The Rule Function controls	s the behaviour of the subscription. Provide a Java Class name (<package>.<class>) for Java Rule Function and a PL/SQL stored proces</class></package>	ture (<package>, <function>) for PL/SQL Rule Function.</function></package>
	com.oracle.retail.rfl.ebs.CurrencyRate8ES	
PL/SQL Rule Function		
Workflow Type		
Warkflow Process		
	Choose a Workflow Type, before choosing the Workflow Process for that Type	
Out Agent	t 🧣 🔍	
To Agent	۱ ۹	
* Priority	y Normal 👻	
Subscription Paramete	19	
ielect Name		Value
No results found.		
Add Another Row		
Driter parameters and their value	a við vergana	
Documentation		
* Owner Name	Oracle General Ledger	
* Owner Tag		
Customization Level		
Description	8	

g. Click Apply.

Figure 6–6 Apply

		Subscriptions > Update Event Subscriptions >	
pdate Event Subscriptic	in : Custom		
			Cancel Back
Action			
The Rule Function controls	the behaviour of the subscript	m. Previde a Java Class name (<package>.<class>) for Java Rule Function and a PL/</class></package>	SOL stored procedure (<peckage>, <function>) for PL/SOL Rule Funtion.</function></peckage>
	com.oracle.retail.rfl.ebs.Curr		
PL/SQL Rule Function			
Warkflow Type		Q	
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Out Agent		4	
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ielect Name			Vakae
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* Owner Name * Owner Tag	SQLGL		
* Owner Name * Owner Tag Customization Level	SQLGL	1	
* Owner Name * Owner Tag Customization Level	SQLGL		

- **3.** Verify that Status=ENABLED and the Licensed_flag=Y for the event and event subscription.
 - SELECT * FROM wf_events where name='<Event_Name>';
 - SELECT * from wf_event_subscriptions where event_filter_guid=(SELECT guid FROM wf_events where name='<Event_Name>);

EBS Event Subscription Install

- **1.** Log in to the EBS UNIX server
- 2. From the ORFI server, copy the <INSTALL_ DIR>/retail-financial-integration-solution/service-based-integration/target/ebs-s

ide/rfi folder to a staging folder. This folder is referred to as EBS_COMP_DIR for the remainder of this document.

Install the Business Event Handler.

1. Log in to EBS UNIX server (telnet session) and run the env file (. ./apps.env).

Note: If apps.env file is not available, please check the <Instance_ name>_<Servername>.env file in folder <APPS INSTALLED FOLDER>/ apps_st/appl for the values of INST_TOP, ADMIN_ SCRIPTS_HOME, APPL_CONFIG_HOME. JAVA_TOP folder is <APPS INSTALLED FOLDER>/apps_st/comn/java/classes

For example: R12RET_rstnssiovm0050.env file in folder /u01/app/R12RET/apr12ret/applmgr/apps/apps_st/appl

2. Copy the ebs-side "rfi" folder from \$EBS_COMP_DIR to \$JAVA_TOP

Note: The "rfi" folder is generated in the ORFI server \$INSTALL_ DIR/retail-financial-integration-solution/service-based-integration/ta rget/ebs-side/

3. Go to the \$INST_TOP/appl/admin/ folder

cd \$INST_TOP/appl/admin/

4. Edit <INSTANCE_SERVER>.xml (for example, R12RET_rstnssiovm0050.xml) file

vi <INSTANCE_SERVER>.xml

- **5.** Add the ebs-financial-common-<version>.jar, retail-public-security-api-<version>.jar along with other dependent jars to CLASSPATH and AF_CLASSPATH variables (follow example from next step to add all the provided jars).
- **6.** Add the retail-public-security-api-<version>.jar as the first entry in AF_ CLASSPATH.

Note: File locations used in the example are the absolute path and must be replaced to reflect the actual paths.

Oracle recommends that you thoroughly review the example below and ensure that the order within the CLASSPATH and AF_ CLASSPATH is maintained as described. This guidance assumes that you have already updated the version numbers of the .jar files to suit your environment.

For example:

<CLASSPATH oa_var="s_adovar_classpath"

osd="unix">/vol02/oracle/apsv1213/oracle/10.1.3/appsutil/jdk/lib/dt.jar:/vol02/ oracle/apsv1213/oracle/10.1.3/appsutil/jdk/lib/tools.jar:/vol02/oracle/apsv1213 /oracle/10.1.3/appsutil/jdk/jre/lib/rt.jar:/vol02/oracle/apsv1213/common/java/l ib/appsborg.zip:/vol02/oracle/apsv1213/oracle/10.1.2/forms/java:/vol02/oracle/a psv1213/oracle/10.1.2/forms/java/frmall.jar:/vol02/oracle/apsv1213/oracle/10.1. 2/jlib/ewt3.jar:/vol02/oracle/apsv1213/oracle/10.1.2/j2ee/OC4J_BI_ Forms/applications/formsapp/formsweb/WEB-INF/lib/frmsrv.jar:/vol02/oracle/apsv1 213/common/java/classes:/vol02/oracle/apsv1213/common/java/classes/rfi/retail-p ublic-security-api/lib/commons-cli-1.2.jar:/vol02/oracle/apsv1213/common/java/c lasses/rfi/retail-public-security-api/lib/commons-logging-1.1.1.jar:/vol02/orac le/apsv1213/common/java/classes/rfi/retail-public-security-api/lib/groovy-all-2 .1.2.jar:/vol02/oracle/apsv1213/common/java/classes/rfi/retail-public-securityapi/lib/jps-api-11.1.1.1.0.jar:/vol02/oracle/apsv1213/common/java/classes/rfi/r etail-public-security-api/lib/jps-internal-11.1.1.1.0.jar:/vol02/oracle/apsv121 3/common/java/classes/rfi/retail-public-security-api/lib/jps-common-11.1.1.1.0. jar:/vol02/oracle/apsv1213/common/java/classes/rfi/retail-public-security-api/l ib/jps-unsupported-api-11.1.1.1.0.jar:/vol02/oracle/apsv1213/common/java/classe s/rfi/retail-public-security-api/lib/jacc-spi-11.1.1.1.0.jar:/vol02/oracle/apsv 1213/common/java/classes/rfi/retail-public-security-api/lib/jps-ee-11.1.1.1.0.j ar:/vol02/oracle/apsv1213/common/java/classes/rfi/retail-public-security-api/li b/jps-manifest-11.1.1.1.0.jar:/vol02/oracle/apsv1213/common/java/classes/rfi/re tail-public-security-api/lib/jps-mbeans-11.1.1.1.0.jar:/vol02/oracle/apsv1213/c ommon/java/classes/rfi/retail-public-security-api/lib/jps-upgrade-11.1.1.1.0.ja r:/vol02/oracle/apsv1213/common/java/classes/rfi/retail-public-security-api/lib /jps-wls-11.1.1.jar:/vol02/oracle/apsv1213/common/java/classes/rfi/retail-publi c-security-api/lib/identitystore-11.1.1.1.0.jar:/vol02/oracle/apsv1213/common/j ava/classes/rfi/retail-public-security-api/lib/oraclepki-11.1.1.1.0.jar:/vol02/ oracle/apsv1213/common/java/classes/rfi/retail-public-security-api/lib/osdt_ core-11.1.1.1.0.jar:/vol02/oracle/apsv1213/common/java/classes/rfi/retail-publi c-security-api/lib/osdt cert-11.1.1.1.0.jar:/vol02/oracle/apsv1213/common/java/classes/rfi/retail-publi c-security-api/lib/sjsxp-1.0.2.jar:/vol02/oracle/apsv1213/common/java/classes/r fi/retail-public-security-api/lib/jsr173-1.0.jar:/vol02/oracle/apsv1213/common/ java/classes/rfi/rfi-ebs-event-handler/ebs-financial-common-<RFIversion>.jar:/v ol02/oracle/apsv1213/common/java/classes/rfi/retail-public-security-api/lib/ret ail-public-security-api-<RFI version>.jar</CLASSPATH> <AF_CLASSPATH oa_var="s_ adovar afclasspath" osd="unix">/vol02/oracle/apsv1213/common/java/classes/rfi/retail-public-securit y-api/lib/retail-public-security-api--<RFI version>.jar:/vol02/oracle/apsv1213/common/java/classes/rfi/retail-public-secur ity-api/lib/commons-cli-1.2.jar:/vol02/oracle/apsv1213/common/java/classes/rfi/ retail-public-security-api/lib/commons-logging-1.1.1.jar:/vol02/oracle/apsv1213 /common/java/classes/rfi/retail-public-security-api/lib/groovy-all-2.1.2.jar:/v ol02/oracle/apsv1213/common/java/classes/rfi/retail-public-security-api/lib/jps -api-11.1.1.1.0.jar:/vol02/oracle/apsv1213/common/java/classes/rfi/retail-publi c-security-api/lib/jps-internal-11.1.1.1.0.jar:/vol02/oracle/apsv1213/common/ja va/classes/rfi/retail-public-security-api/lib/jps-common-11.1.1.1.0.jar:/vol02/ oracle/apsv1213/common/java/classes/rfi/retail-public-security-api/lib/jps-unsu pported-api-11.1.1.1.0.jar:/vol02/oracle/apsv1213/common/java/classes/rfi/retai l-public-security-api/lib/jacc-spi-11.1.1.1.0.jar:/vol02/oracle/apsv1213/common /java/classes/rfi/retail-public-security-api/lib/jps-ee-11.1.1.1.0.jar:/vol02/o racle/apsv1213/common/java/classes/rfi/retail-public-security-api/lib/jps-manif est-11.1.1.1.0.jar:/vol02/oracle/apsv1213/common/java/classes/rfi/retail-public -security-api/lib/jps-mbeans-11.1.1.1.0.jar:/vol02/oracle/apsv1213/common/java/ classes/rfi/retail-public-security-api/lib/jps-upgrade-11.1.1.1.0.jar:/vol02/or acle/apsv1213/common/java/classes/rfi/retail-public-security-api/lib/jps-wls-11 .1.1.jar:/vol02/oracle/apsv1213/common/java/classes/rfi/retail-public-securityapi/lib/identitystore-11.1.1.1.0.jar:/vol02/oracle/apsv1213/common/java/classes /rfi/retail-public-security-api/lib/oraclepki-11.1.1.1.0.jar:/vol02/oracle/apsv 1213/common/java/classes/rfi/retail-public-security-api/lib/osdt_ core-11.1.1.1.0.jar:/vol02/oracle/apsv1213/common/java/classes/rfi/retail-publi c-security-api/lib/osdt_ cert-11.1.1.1.0.jar:/vol02/oracle/apsv1213/common/java/classes/rfi/retail-publi c-security-api/lib/sjsxp-1.0.2.jar:/vol02/oracle/apsv1213/common/java/classes/r fi/retail-public-security-api/lib/jsr173-1.0.jar:/vol02/oracle/apsv1213/common/ java/classes/rfi/rfi-ebs-event-handler/ebs-financial-common-<RFI

```
version>.jar:/vol02/oracle/apsv1213/oracle/10.1.3/appsutil/jdk/lib/dt.jar:/vol0
2/oracle/apsv1213/oracle/10.1.3/appsutil/jdk/lib/tools.jar:/vol02/oracle/apsv12
13/oracle/10.1.3/appsutil/jdk/jre/lib/rt.jar:/vol02/oracle/apsv1213/common/java
/lib/appsborg2.zip:/vol02/oracle/apsv1213/common/java/classes</AF_CLASSPATH>
```

7. Go to \$ADMIN_SCRIPTS_HOME and run adautocfg.sh (Auto config).

cd \$ADMIN_SCRIPTS_HOME sh adautocfg.sh

- **8.** Enter the APPS user password.
- **9.** To verify the values, go to the \$APPL_CONFIG_HOME/admin folder and check CLASSPATH and AF_CLASSPATH in adovars.env.

cd \$APPL_CONFIG_HOME/admin view adovars.env

- 10. Stop and restart Concurrent Manager.
 - a. Go to \$ADMIN_SCRIPTS_HOME

cd \$ADMIN_SCRIPTS_HOME

- **b.** Run sh adcmctl stop <*db_user*>/<*db_password*> (sh adcmctl.sh stop apps/****)
- **c.** Make sure the Concurrent Manager is in "Not Active" status before running the next command. sh adcmctl status *<db_user>/<db_password>* (sh adcmctl.sh status apps/****)
- **d.** Run sh adcmctl start <*db_user*>/<*db_password*> ****)
- **e.** Stop and restart the server

```
sh adstpall.sh apps/****
sh adstrtal.sh apps/****
```

Note: If the Concurrent Manager is Not Active, start Concurrent Manager - sh adcmctl start apps/****

- **f.** Verify the values.
 - **a.** Close the telnet session, start a new telnet session, and run the env file (. ./apps.env)
 - **b.** echo \$CLASSPATH and \$AF_CLASSPATH The added jar file should be there.
- **11.** Stop and restart the web server.

Go to \$ADMIN_SCRIPTS_HOME.

adapcctl.sh stopall adapcctl.sh startall

7

PeopleSoft Database Installation Tasks

This chapter includes:

- Prerequisite
- Copy PeopleSoft Specific Files
- Create Tablespaces
- Create the ODI Staging Database User
- Create Database Link
- Run the PeopleSoft Initial Database Setup
- Verification

Prerequisite

It is assumed Oracle database has already been configured and loaded with the appropriate PeopleSoft schema details for your installation. Skip the entire section if you are integrating with EBS.

Copy PeopleSoft Specific Files

Note: You can skip the next steps and proceed to section Create Tablespaces if you can connect to PeopleSoft Database from ORFI Server using Sqlplus.

- **1.** Log in to the PeopleSoft UNIX server as a user who has sufficient access to run sqlplus from the Oracle Database installation for SYSADM schema.
- **2.** Create the retail-financial-integration-solution/service-based-integration folder in the <INSTALL_DIR> folder.
- From the ORFI server, copy <INSTALL_ DIR>/retail-financial-integration-solution/service-based-integration/setup-data folder to <INSTALL_ DIR>/retail-financial-integration-solution/service-based-integration folder in PeopleSoft server.

Create Tablespaces

Before you run the ODI Staging database user, make sure that the following tablespace has been created in the database: ODI_STAGE_DATA. Below is a sample tablespace creation statement for this tablespace. Oracle Retail recommends the use of locally managed tablespaces with automatic extent and segment space management.

Note: These tablespaces are not sized for a production environment. The customer's Database Administrator should create the tablespace based on their datacenter database architecture and size it appropriately based on expected data volume for their peak data usage.

```
CREATE TABLESPACE ODI_STAGE_DATA DATAFILE

'<datafile_path>/odi_stage_data01.dbf' SIZE 500M

AUTOEXTEND ON NEXT 100M MAXSIZE 2000M

EXTENT MANAGEMENT LOCAL

SEGMENT SPACE MANAGEMENT AUTO

;
```

Create the ODI Staging Database User

You must create an ODI Staging schema using a create_user.sql, included with the installer distribution. This will be used to execute the ODI Interface at run time. The create_user.sql script can be used to create the schema:

```
$INSTALL_
```

DIR/retail-financial-integration-solution/service-based-integration/setup-data/ddl/c reate_user.sql

The script takes three arguments on the command line in sqlplus: username, password, and ODI Stage tablespace.

For example:

SQL> @create_user.sql RFI_ODI_TEMP <RFI_ODI_TEMP Schema Password> <ODI Stage Tablespace name>

Please review this script and run it as a user with adequate permissions, such as SYSTEM.

Connect to RFI_ODI_TEMP schema as sysdba and grant all privileges to AP schema available on PeopleSoft Database. Grant all privileges will be used for CRUD operation in RFI_ODI_TEMP tables while running ODI interfaces.

Create Database Link

You need to create a database link to load initial data for currency rate, suppliers and payment terms from Oracle PeopleSoft Suite to the Oracle Retail Financial Integration application.

- Log in to the SYSADM database schema in the PeopleSoft database to run create_ dblink.sql script.
- Run the create_dblink.sql script available in \$INSTALL_ DIR/retail-financial-integration-solution/service-based-integration/setup-data/d dl/from PeopleSoft SYSADM database schema.

The script takes four arguments on the command line: DB link name (PSFT_RFI_ DBLINK), ORFI schema name, ORFI schema password, and ORFI DB URL.

For example:

SQL> @create_dblink.sql <PSFT_RFI_DBLINK> <ORFI Schema> <ORFI Schema Password> <ORFI DB Host:port/SID>

Note: This database link will be used to load initial data for Currency Rate, Suppliers and Payment Terms from PeopleSoft to ORFI Staging tables. If the database link name is different from the default (PSFT_RFI_DBLINK), then the user needs to update the database link name in the SQL scripts which are available in retail-financial-integration-solution/etl-based-integration/ retail-to-psftfin-etl-flows/setup-data/dml.

Run the PeopleSoft Initial Database Setup

This installer installs the ORFI related objects to the PeopleSoft SYADM database schema.

Note: Ensure, sqlplus is executable with correct the configuration information to PeopleSoft database is set in your path.

 Run the load-initial-setup-data-into-psftfin-schema.sh script available in \$INSTALL_DIR/ retail-financial-integration-solution/service-based-integration /bin/. After installation is completed, a detailed installation log file is created: \$INSTALL_DIR/logs //<timestamp>.log.

For example: prompt\$ sh load-initial-setup-data-into-psftfin-schema.sh

sh load-initial-setup-data-into-psftfin-schema.sh

- 2. The installer prompts for the following details:
 - Enter the PeopleSoft database server SID Enter Database SID.
 - Enter the PeopleSoft Schema details -Enter APPS User ID/Password.
 - Enter the PeopleSoft database server name Enter Database Server Name or IP address.
 - Enter the PeopleSoft database server port Enter Database Port Number.

Note: If you get the following error, make sure you have downloaded latest version of the ORFI software from Oracle download site and the sis configured.

ERROR: ORA-12154: TNS: could not resolve the connect identifier specified.

Verification

Log in to the SYSADM database schema in the PeopleSoft database and verify that the RFI_PS_ORT_ACCT_ENTRY_SEQ sequence is available using below query:

"SELECT * FROM ALL_OBJECTS WHERE OBJECT_NAME='RFI_PS_ORT_ACCT_ENTRY_SEQ' AND

OBJECT_TYPE='SEQUENCE';".

PeopleSoft Setup Tasks

To enable the PeopleSoft - RFI Integration the following tasks need to be completed on PeopleSoft (PSFT) side

- Integration Broker (IB) Configuration
- Importing PSFT project
- Security configuration
- Service Configuration
- Providing Web Service GL Account Validation
- Providing permission to required services

Integration Broker Configuration

This section includes:

- Prerequisites to configure IB
- Default Node
- ANONYMOUS Node Default User ID
- Activating Pub/Sub Server Domains
- Integration Broker Configuration Activities
- Verifying IB Configuration

Prerequisites to configure IB

For more information on Installation, Please refer to PeopleTools installation guide 8.5x. Database, Web Server, PeopleTools and PIA are all installed.

- 1. Application server Domain Configuration
 - Application server should have been booted with Pub/Sub Servers Yes value

Note: If the Application Server is not booted with this value, it needs to be restarted after changing Pub/Sub Servers parameter value to *Yes*.

For more information on Application Server Domain configuration, Please refer to *PeopleTools installation guide 8.5x*. Section - *Configuring the PeopleSoft Application Server*.

2. To verify the Pub/Sub parameter value:

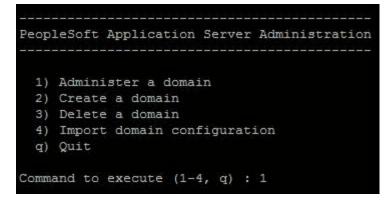
a. Access the PSADMIN Quick-Configure menu by launching psadmin.sh from the PS_HOME\appserv directory

```
--> psadmin
PSADMIN -- PeopleTools Release: 8.53.06
Copyright (c) 1996, 2013, Oracle. All rights reserved.
PeopleSoft Server Administration
    _____
 PS CFG HOME
              /u00/oracle/product/PT8.53/pscfghome
 PS HOME
                     /u00/oracle/product/PT8.53
 PS APP HOME /u00/oracle/product/FSCM92
 1) Application Server
 2) Process Scheduler
 3) Search Server
 4) Web (PIA) Server
 5) Switch Config Home
 Replicate Config Home
 q) Quit
```

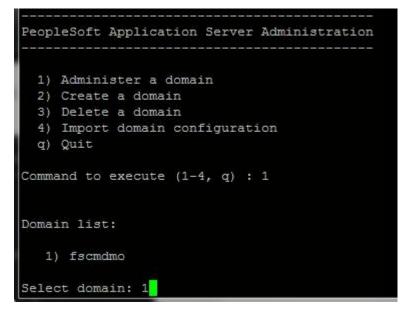
b. Select option 1 [Application Server]



c. Select Option 1 [Administer a domain]



d. Select the domain to configure [E.g. - fscmdmo].



- e. Select Option 4 [Configure this domain]
 - **a.** The system will prompt "This option will shut down the Domain. Do you want to continue? (y/n) [n]:"
 - **b.** Select "y" to shut down the domain

PeopleSoft Domain Administration
Domain Name: faondmo
1) Boot this domain
 Domain shutdown menu
 Domain status menu
 Configure this domain
5) TUXEDO command line (tmadmin)
Edit configuration/log files menu
 Messaging Server Administration menu
8) Parge Cache
 Preload Cache
10) Clean IPC resources of this domain
q) Quit
Command to execute (1-10, q) : 4
This option will shutdown the domain.
Do you want to continue? (y/m) [m] :y
tmadmin - Copyright (c) 1996-2010 Oracle.
Portions * Copyright 1986-1997 RSA Data Security, Inc.
All Rights Reserved.
Distributed under license by Oracle.
Tuxedo is a registered trademark.
> TNFO: Oracle Tumedo, Version 11.1.1.3.0, 64-bit, Patch Level (none)
Booting admin processes
exec BBL -A :
CMDTUX CAT:821: INFO: Duplicate server.
0 processes started.
> Shutting down all admin and server processes in /u00/oracle/product/PT8.53/psofghome/appserv/fscmdmo/PSTUXCPG
Soutting down server processes

```
Shutting down admin processes ...
                  Server Id = 0 Group Id = msp52229 Machine = msp52229: shutdown succeeded
28 processes stopped.
All domain processes have stopped.
Quick-configure menu -- domain: fscmdmo
          Features
                                                                                Settings

      1) Pub/Sub Servers : Yes
      16) DENAME : [fscmdmo]

      2) Quick Server : No
      17) DETYPE : [ORACLE]

      3) Query Servers : No
      18) UserId : [PTWEBSERVER]

      4) Jolt : Yes
      19) UserPswd : [peoplesoft]

      5) Jolt Relay : No
      20) DomainID : [TESTSERV]

      6) WSL : No
      21) AddToPATH : [/u00/oracle/product/11.2.0.3/bin]

      7) PC Debugger : No
      22) ConnectID : [PEOPLE]

      8) Event Notification: No
      23) ConnectPswd: [people]

      9) MCF Servers : No
      24) ServerName : []

      10) Perf Collator : No
      25) DomainConnectPswd: []

      11) Analytic Servers : No
      26) WSL Port : [7000]

      12) Domains Gateway : No
      27) JSL Port : [9000]

      28) JRAD Port : [9100]

                                                                                *********
                                                                      28) JRAD Port : [9100]
             Actions
  13) Load config as shown
  14) Custom configuration
  15) Edit environment settings
   h) Help for this menu
    q) Return to previous menu
HINT: Enter 15 to edit DBNAME, then 13 to load
 Enter selection (1-28, h, or q):
```

f. Confirm that Pub/Sub Servers parameter value is set to Yes. If not select 1 to change the value to Yes.

	Features				Settings	
1)	Pub/Sub Servers	:	Yes	16)	DBNAME	:[fscmdmo]
2)	Quick Server	:	No	17)	DBTYPE	:[ORACLE]
3)	Query Servers		No	18)	UserId	: [PTWEBSERVER]
4)	Jolt		Yes	19)	UserPswd	:[peoplesoft]
5)	Jolt Relay		No	20)	DomainID	: [TESTSERV]
6)	WSL		No	21)	AddToPATH	:[/u00/oracle/product/11.2.0.3/bin
7)	PC Debugger		No	22)	ConnectID	: [PEOPLE]
8)	Event Notification		No	23)	ConnectPswd	i: [people]
9)	MCF Servers		No	24)	ServerName	: []
10)	Perf Collator		No	25)	DomainConne	ctPswd:[]
11)	Analytic Servers		No	26)	WSL Port	:[7000]
12)	Domains Gateway		No	27)	JSL Port	:[9000]
				28)	JRAD Port	: [9100]

g. If the value is changed ,**select option 13 to load the new configuration**. If it is not changed, **select q to return to previous menu**.

	Actions
13)	Load config as shown
14)	Custom configuration
15)	Edit environment settings
h)	Help for this menu
q)	Return to previous menu
HINT:	Enter 15 to edit DBNAME, then 13 to load
Enter	selection (1-28, h, or q):

- **h.** Select Option 1 to boot the domain.
 - a. System will prompt for user Options
 - 1) Boot (Serial Boot)
 - 2) Parallel boot
 - q) Quit
 - **b.** Select Option 1 [Serial Boot] to boot.

```
PeopleSoft Domain Administration
    Domain Name: fscmdmo
 1) Boot this domain
 2) Domain shutdown menu
 3) Domain status menu
 4) Configure this domain
 5) TUXEDO command line (tmadmin)
 6) Edit configuration/log files menu
 7) Messaging Server Administration menu
 8) Purge Cache
 9) Preload Cache
10) Clean IPC resources of this domain
 q) Quit
Command to execute (1-10, q) : 1
PeopleSoft Domain Boot Menu
  Domain Name: fscmdmo
 1) Boot (Serial Boot)
 2) Parallel Boot
 q) Quit
Command to execute (1-2, q) [q]: 1
```

c. Exit from Configuration

Enter q to exit from Domain Administration menu Enter q to exit from Application Server Administration menu Enter q to exit from PeopleSoft Server Administration menu

27 processes started.
PeopleSoft Domain Administration
Domain Name: fscmdmo
1) Boot this domain 2) Domain shutdown menu
3) Domain status menu
Configure this domain
5) TUXEDO command line (tmadmin)
Edit configuration/log files menu
Messaging Server Administration menu
8) Purge Cache
9) Preload Cache
10) Clean IPC resources of this domain
q) Quit
Command to execute (1-10, q) : q
PeopleSoft Application Server Administration
1) Administer a domain
2) Create a domain
3) Delete a domain
 Import domain configuration
q) Quit
Command to execute (1-4, q) : q

```
_____
PeopleSoft Application Server Administration
  1) Administer a domain
  2) Create a domain
  3) Delete a domain
  4) Import domain configuration
  q) Quit
Command to execute (1-4, q) : q
PeopleSoft Server Administration
  PS_CFG_HOME/u00/oracle/product/PT8.53/pscfghomePS_HOME/u00/oracle/product/PT8.53PS_APP_HOME/u00/oracle/product/FSCM92
  1) Application Server
  2) Process Scheduler
  3) Search Server
  4) Web (PIA) Server
  5) Switch Config Home
  6) Replicate Config Home
  q) Quit
Command to execute (1-6, q): q
msp52229:[sqlnet] /u00/oracle>
```

Default Node

Each database involved in integration must contain a default local node definition which needs to be Active. The default authentication option to be set as required. In case of Password Node's UserId and Password values need to be configured.

Navigation: PeopleTools -> Integration Broker -> Integration Setup à Nodes

1. Search and Open the default node (e.g. PSFT_EP).

Favorites - Main Menu -	PeopleTools *> Integration Broker *> Integration Setup *> Nodes
ORACLE	
Nodes	
Enter any information you have a	nd click Search. Leave fields blank for a list of all values.
Find an Existing Value	dd a New Value
* Search Criteria	
Search by: Node Name •	begins with PSFT_EP
🗆 Include History 🛛 Correc	t History
Search Advanced Search	
Search Results	
View All	First (1 of 1 (Last

2. Make the changes and Save the page.

Figure 8–2 Default Node

e Definitions Connectors	Portal WS Secur	ty Routings	
Node Name	PSFT_EP	Copy Node	
*Description	Financials/Supply Cha		Rename Node
Node Type	PIA	Default Local Node	
*Authentication Option	Password	Active Node Non-Repudiation Segment Aware	
Node Password		-	
*Default User ID	VP1	2	
Hub Node		a.	
Master Node		2	
Company ID			
IB Throttle Threshold			
Image Name		a .	
Codeset Group Name		0	

ANONYMOUS Node - Default User ID

PeopleSoft uses the Anonymous node when receiving messages from third party system. The user need to verify the default user ID configured for this node is valid.

Navigation: Main Menu à PeopleTools -> Integration Broker -> Integration Setup -> Nodes

1. Search for ANONYMOUS node and open it.

Figure 8–3 Anonymous Node

ORACL	E.					
Nodes						
inter any inform	abon you have	and click Search	Leave fields	blank for a list	of all values.	
Find an Exist	ng Value	Add a New Valu	e			
* Search Cr	teria					
Search by:	Node Name 1	begins with AN	0			
Include Hist	ory 🛞 Cor	rect History				
Search Ac	vanced Sear	ch				
Search Result	\$					
View All				int 🕢 teri	and the second se	
ANONYMOUSU		Loci by IB system, 0	al Node Defaul N	It Local Node No Ex	de Type dernal	

2. Verify the Default User ID is valid. E.g. VP1

DRACLE						
Node Definitions Connectors	Portal	<u>₩</u> S 54	curity	Routings		
Node Name	ANONYMO	JUS				Copy Node
"Description	Used intern	ally by 8	aystem.		Lanconcert	Rename Nod
"Node Type	External	•		1.2.1.2	ault Local Node	
					al Node ive Node	Delete Node
*Authentication Option	None		٠		-Repudiation	
				₩ Seg	ment Aware	
Default User ID	VP1				9.	
WSIL URL						
Hub Node					a	
Master Node	_				9	
Company ID			1			
IB Throttle Threshold			-1			
Image Name					a	
	-			_		
Codeset Group Name	-				9.	
External User ID	<u></u>					
External Password						
External Version						

Figure 8–4 Verify

Activating Pub/Sub Server Domains

Prerequisites for Activating the Pub/Sub Server Domain:

To activate the pub/sub server domains, the pub/sub server option in the PSADMIN domain configuration, 1.) Pub/Sub Servers, must be set to Yes.

For more information on Application Server Domain configuration, Please refer to Enterprise 8.5x PeopleBook: Integration Broker Administration section - Activating Pub/Sub Server Domains.

To Activate the Domain:

Navigation: PeopleTools -> Integration Broker -> Service Operation Monitor -> Administration -> Domain Status

- **1.** Click Purge domain status button.
- 2. From the Domain Status drop-down list, select Active.
- **3.** Click the Update button.
- 4. Click the Refresh button.

Note:

Three dispatcher processes should appear in the Dispatcher Status grid with the status of active (ACT).

On occasion it may take a few moments for the processes to start. If the processes don't immediately appear in the grid, wait a few moments and click the Refresh button again.

If the three processes appear in Dispatcher Status grid, but with the status of inactive (INACT), click the Update button.

Figure 8–5 Domain Status

DRAC	LE								
Domain	Status								
Domain Cri	teria								
Patro	lurge Domain St	utus Update	Grace Penod for all Comains (binutes)		Falcover	Disabi	-		
Domains				Personalize	Find Ve	ew AD	01150	Fest & Lot 1 &	Last
Fallover Group	Fallover Priority	Bachine Rat	Application Server Path		Domain Status		race eriod	Save Indicator	
		_	 AddioradelproductPT0 §3/px-dyhomerapps 	enformanie	Active	•			View Domain Queue Set
Dispatcher	Status		Personalize Find (2)	I Pe	1 1 53	12.0	Last		
lactine far	PSERK PSPUB	05P_m 05P_m	Application: Server Path 1000/pradie/product/PT8-53(ps:d/phome/apppen/fsomd 1000/pradie/product/PT8-53(ps:d/phome/appsen/fsomd	Status St Imp ACT Imp ACT	ring Date	Time 1	Stamp		
	and the second	059,48	u00isradebrodud#1153bs/dghomelappsen/fsond	the ACT					

Integration Broker Configuration Activities

ib configuration Ac	
Activity	Description
Set up gateway	Define the gateway URL and load target connectors.
	Register nodes on the local gateway.
	Define integration gateway keystore values.
Add target locations.	Define the schema namespace and the service namespace.
	Define the target location.
	Activity Set up gateway

Table 8–1 IB Configuration Activities

- **1.** Set up the Gateway.
 - a. Define the gateway URL and load Target Connectors.

The integration gateway URL specifies the location of the PeopleSoft listening connector used to "listen" for inbound request/integrations. The target connectors handle outbound requests/integrations.

Navigation: PeopleTools -> Integration Broker -> Configuration -> Gateways.

b. Configure URL field value.

Enter the gateway URL in the following format

http://<machinename>:<port>/PSIGW/PeopleSoftListeningConnector

Note: The machine name is the name of the machine where PIA is installed. By default the port number is 80 for HTTP and 443 for HTTPS. If using the default port number, no need to specify it in the URL. (Ensure to have the correct port numbers specified at the time of PeopleSoft installation.

Figure 8–6 Gateways

DRACLE						
Gateways Gateway ID L VIL L URL Gateway Setup Propertie	Gateway	Load Balancer	Inbound Gateways JMS Administration Ping Gateway			
Load Gatewa	y Connectors					
Connectors *Connector ID	Description		Personalize Find 🕮 🛅	First 1 of 1	1.0.1	Last
1				Properties	•	-

Figure 8–7 Enter URL

	CLE		
Calar			
Gatev	vays		
Gatev	Gateway ID LOCAL		Inbound Gateways
Gatev		Load Balancer	Inbound Gateways JMS Administratio

For example:

http://peoplesofthost.example:7777/PSIGW/PeopleSoftListeningConnect
or

c. Check the Gateway Communication.

Click on "Ping Gateway" button and check the status. A successful ping means that the system can properly communicate with the gateway. If the ping is not successful, check that the correct URL is entered and that it is entered in the proper format.

Figure 8–8 Ping Gateway

*> Gateways	orites + Main Menu + > PeopleTools +> Integration Broke
	RACLE
	ateways
Inbound Gateways	Gateway ID LOCAL
JMS Administration	Local Gateway
Ping Gateway	URL 7777/PSIGW/PeopleS
	ateway Setup Properties
	PeopleSoft Integration Gateway - Google Chrome
pr	777/PSIGW/PeopleSoftLi
	PeopleSoft Integration Gate
	eopleSoft Listening Connector
	ools Version : 8.53.06
	eopleSoft Listening Connector

d. Load Gateway Connectors.

Click the Load Gateway Connectors button. A message appears that indicates the connectors were successfully loaded.

Figure 8–9 Load Gateway Connectors

ORACLE		
Gateways		
Gateway ID LOCAL		Inbound Gateways
🗷 Local Gateway	Load Balancer	JMS Administration
URL	7777/PSIGW/PeopleSoftListeningConne	Ping Gateway
Gateway Setup Properties		
Load Gateway Connectors		

Figure 8–10 Load Gateway Connectors

Sateways						
Gateway ID LOCAL			Indound Gateways			
E Local Gatev	any .	C Load Balancer	JBIS Administration			
URL		7777/PSiGitiPeopleSofListeningConne	Ping Gateway			
Gateway Setup Properties						
Load Gateway Conr	nectors					
Connectors			e Find 🕮 🔠 First	8 1-12 of 12	8 L	ast
*Connector ID	Description	*Connector Class	s Name			
1 AS2TARGET		AS2TargetConn	edor	Properties	+	-
2 EXAMPLETARGETCONN	E	ExampleTargetC	Connector	Properties	•	-
3 FILEOUTPUT		SimpleFileTarge	#Connector	Properties		-
4 FTPTARGET		FTPTargetConn	ector	Properties	•	Ξ
5 GETMAILTARGET		GetMailTargetCo	onnedor	Properties	٠	-
6 HTTPTARGET		HtpTarpetConn	edor	Properties	•	-
7 (MISTARGET		UMSTargetConn	edar	Properties	٠	
8 PSFT81TARGET		ApplicationMess	agingTargetConnector	Properties	٠	
9 PSFTTARGET		PeopleSoftTarp	etConnector	Properties	٠	-
10 RIDCTARGET		RIDCTargetCon	nector	Properties		-
11 SETPTARGET		SFTPTargetCon	nedor	Properties	٠	-
12 SMTPTARGET		SMTPTarpetCon	nedor	Properties	•	-

2. Register Nodes on the Local Gateway.

To register nodes on the local gateway:

a. On the Gateways page, click the **Gateway Setup Properties link**. The Gateway Properties page appears.

Gateway ID LOC E Local Ga		CLoad Balancer	Indound Gateways JAIS Administration Pring Gateway
Load Gateway C			
Connectors "Connector ID 1 Ad2TARGET 2 EXAMPLETARGETCO	Description	Sign on b	vay Properties a access integrationCateway properties the uit user (0 is "administrator"
3 FILEOUTPUT 4 FTPTARGET 5 GETMALTARGET			User D advanstrator Password Change Password
6 HTTPTARGET 7 JMSTARGET 8 PSFT81TARGET 9 PSFTTARGET			
10 REDCTARGET 11 ISFTPTARGET 12 ISMTPTARGET			Cancel Properties (#)

Figure 8–11 Gateway Setup Properties

- **b.** Enter the user ID and password for the integration gateway. These credentials were defined when PIA was installed.
 - In the User ID field, enter the gateway user ID.
 - In the Password field, enter the gateway password.
 - Click the OK button.

The PeopleSoft Node Configuration page appears.

In the Gateway Default App Server grid, define the following:

In the App Server URL field enter the machine name and Jolt port of the application server.

The format is //<machinename>:<port>.

For Example: //peoplesofthost.example:9000.

- In the User ID field, enter the application server user ID.
- In the Password field, enter the application server password.
- In the Tools Release field, enter the release number of the PeopleTools version installed. For example: 8.53.06.
- In the Domain Password field, enter the domain password if one was defined when the application server was configured.
- **c.** In the PeopleSoft Nodes grid, define the following fields for the local default node.

Note: Depending on the technology you're using, you may need to define other PeopleSoft nodes in the grid.

- In the Node Name field, enter the name of the local default node.

- In the App Server URL field enter the machine name and Jolt port of the application server.

The format is //<machinename>:<port>.

An example is //peoplesofthost.example:9000.

- In the User ID field, enter the application server user ID.
- In the Password field, enter the application server password.
- In the Tools Release field, enter the release number of the PeopleTools version installed. For example, 8.53.06.
- In the Domain Password field, enter the domain password if one was defined when the application server was configured.
- **d.** Click the Ping Node button.

A successful ping means that the integration gateway can communicate with the node. If the ping is not successful, PSAdmin needs to check the installation details regarding the gateway.

Figure 8–12 Ping Node

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ETHALTHOUGH HINT-MOUGH HINT-MOUGH	Manuel Property	programming and a sector state	(MP)	_	3.0.8		Pagilada	88

Figure 8–13 Ping Node

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to be be be and		Annual Victoria								

3. Define Integration Gateway Keystore Values

The keystore password value in the integration gateway properties file needs to be encrypted. The path to the keystore is populated during the PIA installation process, but it's good practice to confirm that the path is accurate during this task. **Note:** Integrations will fail if you do not enter an encrypted keystore password for the secureFileKeystorePasswd property.

For example: The following code snippet shows an example of the keystore values before they are configured:

secureFileKeystorePath=
/u00/oracle/product/PT8.53/webserv/FSCMDMO/piaconfig/keystore/pskey
#secureFileKeystorePasswd=

To configure these settings confirm that the path to the keystore is correct. Next, encrypt the keystore password with the provide encryption utility, uncomment the secureKeystorePasswd property, and set the property equal to the encrypted password.

For example: The following code snippet shows an example of the keystore values after they are properly configured:

```
secureFileKeystorePath=
secureFileKeystorePath=/u00/oracle/product/PT8.53/webserv/FSCMDMO/piaconfig/key
store/pskey
secureFileKeystorePasswd={V1.1}7m4OtVwMGDyLc1j6pZG69Q==
```

- 4. Define integration gateway keystore values.
 - **a.** From the PeopleSoft Node Configuration page, click the Advanced Properties Page link.

The Gateway Properties page appears.

- **b.** Scroll to the ## Integration Gateway CERTIFICATE Section of the file.
- **c.** Locate the secureFileKeystorePath property.
- **d.** Confirm the keystore path setting:
 - **a.** Uncomment the secureFileKeystorePath property if it is not already uncommented.
 - **b.** Confirm that the path defined for the keystore path is accurate.
- e. Enter an encrypted keystore password.
- f. Expand the Password Encryption utility at the bottom of the page.
 - **a.** In the Password field, enter the keystore password.

Note: Password should be the domain password set at time of

- **b.** In the Confirm Password field, enter the password again.
- **c.** Click the Enter button to encrypt the password.

The encrypted password appears in the Encrypted Password field.

- **d.** Copy the value in the Encrypted Password field to the clipboard.
- e. Navigate back to the secureFileKeystorePasswd property in the file.
- **f.** Uncomment the property and paste the encrypted value, setting the property equal to the encrypted value.
- **g.** Click the OK button

- 5. Encrypt a password using the Password Encryption Utility.
 - **a.** On the page where you are working, click the Password Encryption Utility arrow to display the dialog box.
 - **b.** In the Password field, enter a password.
 - **c.** In the Confirm Password field, enter the password again.
 - **d.** Click the Encrypt button. The encrypted password displays in the Encrypted Password field.
 - **e.** From the Encrypted Password field, cut the encrypted password and paste it into the appropriate location

Figure 8–14 Password Encryption Utility

Password Encryption Utility	
Password	Confirm Password
Encrypt Encrypted Password:	

Figure 8–15 Password Encryption

RACLE								Parts
Cateways General III Wiscord UNI		Electrony Million August		and Salescale Administration				
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Figure 8–16 Password Encryption

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R Local Galeway		Gateway Properties
Sala Properties		
LAST Gateway Corrections	PeopleSoft Node Configuration	Distance Properties
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	Statistic and state to	Barrier at an

- **6.** Add the Target Location.
 - a. Define the schema namespace and the service namespace

Namespaces provide a method for qualifying element and attribute names that are used in XML documents and are identified by Uniform Resource Identifier (URI) references.

To define the schema namespace and the service namespace, use the Service Configuration page. To access the page selectPeopleTools, then selectIntegration Broker, then selectIntegration Network WorkCenter, then selectIB Configure Network and click theAdd Target Location(s) link in the left navigation pane.

PeopleTools provides the following default namespaces:

Service Namespace	http://xmlns.oracle.c om/Enterprise/Tools /services
Schema Namespace	http://xmlns.oracle.c om/Enterprise/Tools /schemas

You can use the default values or define different values.

To define the schema namespace and the service namespace:

- **a.** Access the Integration Broker Configuration activity guide (selectPeopleTools, then selectIntegration Broker, then selectIntegration Network WorkCenter, then selectIB Configure Network).
- **b.** In the left navigation pane click Add Target Location(s).
- **c.** The Service Configuration page appears.
- **d.** In the Service Namespace field, enter the service namespace.
- e. In the Schema Namespace field, enter the schema namespace.
- f. Click the Save button.
- b. Configure Target and Secure Target Location

Target locations are URLs that PeopleSoft Integration Broker uses to build and validate XML message schemas, export WSDL documents, and as the SOAP endpoint. For REST services, target locations are URLS that PeopleSoft Integration Broker uses to export WADL documents and as the REST endpoint.

In general, the URL you specify as a target location should be an unsecured URL. If you need to enter secure target URLs, please see the product documentation for additional information before proceeding. You need to set the REST target location only if performing integrations with REST-based services.

Use the Target Locations page to define target locations. To access the page, click the Set Target Locations link on the Service Configuration page or

Navigation: PeopleTools -> Integration Broker -> Configuration -> Service Configuration

The Target Locations page provides examples of the format to enter for the target location.

c. The primary example shows how to enter the target location if you are using a dedicated integration gateway.

- **d.** The alternate example shows the format to use if the default local node points to a different gateway where WSDL documents and XSD schemas are available. Providing an alternate example is always optional
- **7.** Define target locations.
 - **a.** On the Service Configuration page, click the Set Target Locations link.
 - **b.** The Target Locations page appears.
 - **c.** In the Web Services Target Locations box, in the Target Locations field enter the target location, following the example format shown. Note that the port value you enter is the HTTP port.

Note: Port should be the port number referred in application URL

d. If REST Services are used: In the REST Target Locations box, in the Target Locations field enter the target location of REST services, following the example format shown. Note that the port value you enter is the HTTP port.

Note: Port should be the port number referred in application URL

e. Click the OK button.

The Service Configuration page appears.

Figure 8–17 Service Configuration

	enu ≁ → PeopleTools	*> Integration Broker	* > Configuration * > Service C	onfiguration
Service Configuration	UDDI Configuration	Restricted Services	Exclude PSFT Auth Token	
3	Service Namespace	http://www.oracie.com/	Enterprise/FSCM/service	_
	Schema Namespace	http://xmins.oracle.com/	Enterprise/FSCM/schema	
*Se	rvice System Status	Development		
		Enable Multi-queue		
"WSDL Ge	neration Alias Check	None		
	Last Updated	Target Location(s) Requised Setup Target Locations	1981.2	Update Date

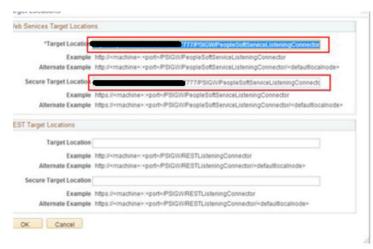


Figure 8–18 Target Locations

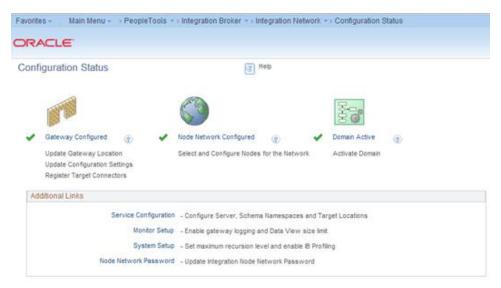
Verifying IB Configuration

Navigation: Main Menu -> PeopleTools -> Integration Broker -> Integration Network -> Configuration Status

All Status should be active.

- Gateway Configured
- Node Network configured
- Domain Active

Figure 8–19 Configuration Status



Importing PSFT Project

Importing the project can be done using Application Designer tool. Open the application designer from any windows work station. Refer the below screenshots.

Navigation: All Programs -> PeopleTools 8.x -> Application Designer

Figure 8–20 Application Designer

PeopleTools 8.5		
Application De	signer	
🚯 Configuration I		
💷 Data Mover		11
Startup		
UltraVNC		
WCF RIA Services \	/1.0 SP1	
WinZip		100
Back		
Search programs a	nd files 🔎	

1. Enter the PeopleSoft DB name (E.g. PSDVOLS1), Application User Id and Password (E.g. VP1/VP1)

Figure 8–21 Signon

Inon	
ORACLE	PeopleTools 8.53.06
Enter Signon Information Belo	DW.
Connection Type:	Oracle *
Database Name:	
User ID:	VP1
Password:	•••
	OK Cancel
	le and/or its affiliates. All rights reserved.

le	Edi	it	View	Insert	E	Build	De	bug	To	ols	Go	W	indo	w	Help						
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	ki n	lev	elon	nent	1	Upr	irade		_	_	_	_	_	_							
1	64, L	10.41	eropi	nem	<u>ببر</u>	Obl	1.900	_													

Figure 8–22 Application Designer

Opening project

2. Copy the project file (zip file) in any folder in the workstation available under the <INSTALL_

DIR>/psft-financial/psft-integration-broker/src/main/resources/RFI_PSFT_ CONNECTOR

Figure 8–23 Copy Project File

2141 → Local Disk (C:) → tmp_psft →			
en with WinZip 💌 Print New folder			
Name	Date modified	Туре	Size
RFI_PSFT_CONNECTOR.zip	3/7/2014 9:59 PM	WinZip File	109 K
	Name	en with WinZip Print New folder Date modified	en with WinZip Print New folder Name Date modified Type

3. Unzip the file in any folder as required

Figure 8–24 Unzip File

3 ()	_	Local Disk (C:) + tmp_psft +			
Organize =	Dpen	Include in library • Share with •	New folder		
* Favorites	-	Name	Date modified	Туре	Size
E Desktop		RFLPSFT_CONNECTOR	3/20/2014 11:38 PM	File folder	
Contract Con		RFLPSFT_CONNECTOR.zip	3/7/2014 9:59 PM	WinZip File	109 KB

a. Copying Project from a File

The Copy Project From File command in the Tools menu imports PeopleTools definitions and the project definition from a file that was previously copied by using the Copy To File feature.

This section discusses how to:

- Copy a project that does not exist in the database from a file.

- Copy a project that does exist in the database from a file.

- **b.** Copy a project that does not exist in the database from a file.
 - **a.** Select select Tools, then select Copy Project, then select From File.
 - **b.** The Copy From File: Select Project dialog box appears.
 - c. Browse to locate the project file or select the file from the Projects list.

Note: You can use the Open button to open folders while browsing. It does not open the project file and begin the copy process.

You can copy only one project from a file at a time.

Figure 8–25 Copy Project From File

le Edit View Insert Build Debug [Tools Go Window Help		
	Validate Syntax Validate Project		1 0
Untitled	Validate Database WSRP		
	Compile all PeopleCode		
	Compile Project PeopleCode		
	Diff/Merge Project PeopleCode	•	
	Diff/Merge External Text	•	
	Compare and Report	- >	
	Copy Project	•	To Database
	Data Administration	•	To File
	Change Control	- >	From File
	Upgrade		
	Miscellaneous Definitions	•	
	Bulk Operations	•	
	Options		
	Create Change Package		
	Finalize Change Package		

d. Select the Project File Folder

1 🖷 🖬 🗿 🖓 🖉 🖬 🛍 🗎	Copy From Fi	e : Select Project				
	Look in	🗼 tmp_psft		•	G 🖸 🖻 🛄 •	
ntitled 🕄	and	Name			Date modified	Type
	Recent Places	RFLPSFT_CO	NNECTOR		3/10/2014 11:38 PM	File fold
	Desktop					
	Libraries					
Development Degrade	MSP52141					
Af Deterophien	6					
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						Cancel
1. 4	Select Project fre	on the List Below				
< <u> </u> ≥ ∧ Build λ Upgrade λ Results λ	RFLPSFT_CO	NNECTOR				
dy						

Figure 8–26 Select Project File Folder

e. Select the Override Pre-Requisites check box if required.

You can select the Override Pre-Requisites check box if you want the system not to check for project prerequisites and apply the project regardless of prerequisites that have not been applied.

f. Click Copy.

There are two phases to the Import process: content on the XML file is written to the system cache directory (as specified in the PeopleSoft Configuration Manager) under a stage directory for the current database. Then the cache is copied to the database. When the import is complete, the cache files are deleted.

The Progress dialog box shows the progress of the Copy process as it copies each definition from the export directory into the attached database. When the Copy from File process successfully completes, the system creates a new project definition from the PeopleTools definitions in the current database. Copy process result details will be shown in Application designer local window.

Figure 8–27 Copy

If you click the Cancel button before copying the project, the project becomes invalid and the system deletes the project reference from the database.

Note: The below mentioned section can be skippedif previously mentioned steps are executed i.e. Copy a project that does not exist in the database from a file are executed

c. Copy a project that does exist in the database from a file.

The process for copying a project from a file when a project of the same name exists in the database is slightly different. After selecting Tools, Copy Project, From File and a project of the same name already exists in the database to which you are currently signed on, the following dialog box appears.

Figure 8–28 Copy From File

roject Qo465hC	E already exists on database Q846SRCE
Please select to u	se the current project definition from the database,
or to overwrite	the existing project with the definition from file.
Use Project D	efinition from:
C Database	
	II overwrite existing database project definition, and use the and Take Action flags as set in the File project definition. se'' will use the Upgrade Action and Take Action flags

This prompt enables you to specify which project definition to use, the one stored in the database to which you are signed on or the one stored in the file from which you intend to copy. Keep in mind that the project definition is the metadata of the project and determines which definitions (pages, fields, records, and so on) are members of the project.

4. Build Project Objects.

After importing the project, all record objects [Tables and Views] need to be built from Application Designer.

a. a.Open [Ctrl + O] project definition - RFI_PSFT_CONNECTOR

Note: If RFI_PSFT_CONNECTION project is already opened, skip this step. Same can be checked on the left side panel.

Figure 8–29 Build Project Objects

S Unoted		
	Open Definition	
	Definition: Potential Selection Clinitia Name RRI_PSFT_CONNECTOR Description	Gen. Cancel New Search
	Definitions matching selection criteria	89

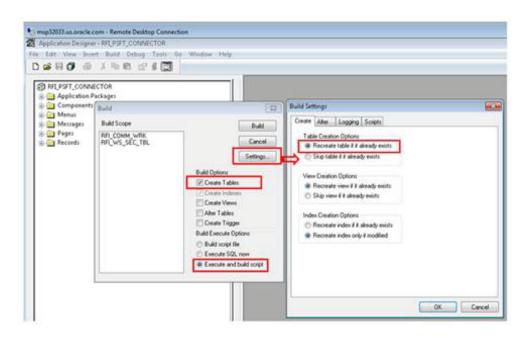
b. All record objects in project RFI_PSFT_CONNECTOR needs to be built. Select Build à Project menu.

Figure 8–30 Project

e Edit View Insert	Build Debug Tools	Go	Window	Help
) 🛎 🛛 🖨 💧	Project			
RFI_PSFT_CONNEC	Settings	-		
Application Pack				
🗄 🦲 Components	<u>8</u> -			
and and				
Menus				
- 103/				
Henus Menus				

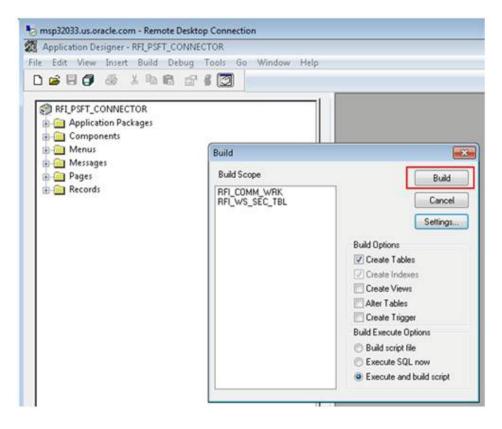
c. App Designer will list all the record objects to build. Select options as below.

Figure 8–31 Build Settings



d. Click on Build button to build the records.

Figure 8–32 Build



The following system message appears: "Potential data destructive settings are active. Continue the build process?"

e. Click yes to continue.

Figure 8–33 Build

Build Scope		Buik	l.
RFI_COMM_\ RFI_INVOICE	_WRK	Cano	el
RFI_WS_SEC			
pplication D	esigner		
Pot		ctive settings are active. Continue Id process? (76,43)	1 G
? Pot			
Pot	the buil	ld process? (76,43)	
Pot	the buil	Id process? (76,43) No Explain	
Pot	the buil	Id process? (76,43) No Explain Build Execute Options	

The log file should show one record processed, o errors, o warnings. If any error, click on PSBUILD.log to know more details.

f. If the system throws any error during Build process, refer the Error Handling / Validation section [Error When Building the Project Objects] for solution.

Figure 8–34 Build Error

RELPSET_CONNECTOR Application Packages Components Amnus Menus Pages Pages Records	
Development 🕅 Upprade	

g. After checking the log details close the log file.

Figure 8–35 Log File

RFLPSFT_CONNECTOR Application Packages Gomponents	
Menus Messages	PSBUILD.LOG - Notepad
Pages	File Edit Format View Help
🗈 🧰 Records	SQL Build process began on 3/10/2014 at 11:57:30 .
Development Dpgrade	SQL Build process ended on 3/10/2014 at 11:57:31 1 records processed, 0 errors, 0 warnings. SQL Build script for all processes written to fil SQL executed online. SQL Build log file written to C:\Users\psftuser\A
1 records processed, 0 errors, 0 warnings, SQL Build script for all processes written to file C:\PT8.5 SQL executed online.	31log
SQL Build process ended on 3/10/2014 at 11:57:31 PM 1 records processed, 0 enors, 0 warnings, SQL Build script for all processes written to file C VPT8.5 SQL executed online. TSQL Build fog file written to C VUsers/osttuser/AppD/ata/	33log

Note: Log shows only one record processed because system will build only physical records and views. For more detail refer Enterprise PeopleTools 8.4X, 8.5X PeopleBook: PeopleSoft Application Designer > Creating Record Definitions

Configuring Services

Note: Some configurations listed in this section might be available already after importing the project [PeopleSoft Setup Tasks - Importing PSFT project] in Target Environment. Verify the details based on the information below and do the configuration only if required.

For all Services involved in RFI Integration, the following configurations need to be completed.

- Adding RFI_PL_INTEGRATION permission list to all Service Operations
- Updating the Routing Parameter based on the Target system

Vendor

Service: SUPPLIERBUSINESSEVENTHANDLERSE

Service Operation: HANDLEBUSINESSEVENT

Navigation: Main Menu ->PeopleTools -> Integration Broker -> Integration Setup -> Services

1. Search for service - SUPPLIERBUSINESSEVENTHANDLERSE and click on Service Link.

Figure 8–36 Service Link

Favorites - Main Menu - > Per	opieTools => Integration Broke	r -> integratio	n Setup == Ser	vices
DRACLE				Home V
Services - Search				
* Search Criteria				
Service	SUF	19.	Add a New \	/alue
Search	REST Service			
Services	Persor	nalize Find Vie	WAI (C) [BA W	First 1 of 1 & Last
Service	Service Alias	Object Ow ID		
SUPPLIERBUSINESSEVENTHANDLERSE	SupplierBusinessEventHandlerSe	rvice	SUPPLERBU	SINESSEVENTHANDLERSE

2. From the Service Definition page, click on Service Operation link to open Service Operation.

Figure 8–37 Service Operation

DRACLE				
Services				
	SUPPLIERBUSINESSEVENTHAN		REST Service T	ype
	SUPPLIERBUSINESSEVENTHAN SUPPLIERBUSINESSEVENTHAN			
Service Alias	SupplierBusinessEventHandlerSe	ĥ		
Owner ID		•		
		and some second		
"Namespace h	ttp://www.oracle.com/retail/rfi/psft	/connector/se	rvice	
to a construction of the second s	ttp://www.oracle.com/retail/rfi/psft View WSDL	/connector/se	rvice	
"Namespace nk Existing Operations Service Operations		/connector/se	rvice	
nk Existing Operations		/connector/se	rvice	
nk Existing Operations Service Operations		v connector/se	Add	
nk Existing Operations Service Operations Service Operation Operation Type	View WSDL	•		ast
nk Existing Operations Service Operations Service Operation Operation Type	View WSDL Personalize Find View All	•	Add	ast
nk Existing Operations Service Operations Service Operation Operation Type Existing Operations Operation Message Links	View WSDL Personalize Find View All	•	Add	

3. From the Service Operation Definition page, click on Service Operation Security link. This will open a popup window.

DRACLE		
General Handlers Routings		
Service Operation Operation Type	HANDLEBUSINESSEVENT Synchronous	
*Operation Description	HWIOLEBUSINESSEVENT	
Operation Comments	HANDLEBUSINESSEVENT	User/Password Required *Reg Verification Service Operation Security
Owner ID	•	
Operation Alias	handleBusinessEvent	Used with Think Time Methods
Default Service Operation Version		
"Version	/1	S Default S Active
Version Description	HANDLEBUSINESSEVENT	Routing Status
Version Comments	* DO NOT REMOVE **	Annaho Laural Descendences

Figure 8–38 Service Operation Security

4. From the Service Operation Web Service Access page, add the permission list - RFI_PL_INTEGRATION (if not available already) to WebService access with full access and click Save.

Figure 8–39 Permission List

DRACLE		
General Handhes Roudings	0	People Soft Employee Partial - Savagle Chemne
Service Operation Operation Type 'Operation Description Operation Community' Operation Community'		Transfer - Man Men - PeopleTests - Ottopation Briter - Hee CRACLE
Conser D • Coperation Altern	Ting Verification	Web Service Access
Default Service Operation Vierson "Remain [Vierson Description: [r=60_c10.0md/SUE_40vf Vierson Comments] "D0.1027.8E380v6; ~ Brinding Stree Storf-DocumEnt?	P detaut P a Routeg State Any In Local Local To Local	Personal Personality Persona
Rottine Scheres Validation	Rindong Actions Upor Size	The Petro Seath Committee and Sector

5. From the Routing Definition tab, go to the Routing Definition tab and click the Routing Definition Link. [Name: ~IMPORTED~10419].

Figure 8–40 Routing Definition

RACI	LE							
neal 3 A	Handlers Routings							
	Service Operation	HADLEBUONEEDE	VENT					
	Default Version							
		Diser Exception						
		Diver Exception This uper exception p actual mating will be	tatus is applicable only used.	f an exbound rouling	cannut be determined. If	a calid outpound route	g can be determined then	The user exception status a
		This uper exception a	talus is applicable only used	f an subound rouling Add	cannit be determined. If	a värid ovtbolvind ravle	ig can be determined then	. The user exception status a
Easting D	Note	This uper exception a	tatus is applicable only used		cannut be determined. If		(Find (View All) (21) 11	
louting D elected	Note Routing Name	This user enceddon a actual muting witt be Version	takas is applicable only used Operation Type		cannot be determined. If Received Node			First A. Lat 1 A. Lat
-	Note Routing Name	This user enceddon a actual muting witt be Version	2++0	A05		Personaliza	Find (View All) (21) 20	Pest & 1471 & La

6. From the IB Routing Definitions page, click on the Connector Properties tab and change the Primary URL value based on the Target system. The primary URL is to point to the RFI service URL that needs to be invoked from PeopleSoft. Click Save.

Figure 8–41 Primary URL

eta Nardery Bastrat.				
	III Routing Definit	tons		
Service Operative Intelligit 2012/01/01/01/01/01	Reading Definitions	Parameters Earns	ctar Properties Red	Reg Proceities
Default Version V1 12 Unit Exception		outing Name - Aur Collect	-thatth	
	1	is Operation Insurfactor		
New You used soregizes status to approach with it an automatic actual chains and to served.	Barriso Opera	the second value		
Ruding Same	10000	Calmenty ID \$5504E		9.
		Connector ID Setter Adda	Ť.	4
Andrey California Andrey Marrow Constitute Task Andrew B		state in state	Datasy	
arona or and rates	-	Periodalia (P	HE POLEN AND INCOME.	FOR P. NAME TO A
machine Second Hadrops Schure Second Hadrops	Property B	Property Name	Value -	
Taxe Autors to Taxona	HEADER	Content Type	bertrumi	14. 1
	HEADER	send/nonpresent	3	94,18
ar i hanslinis i Rudings	HITMINOPENTY	(method)	Post	Q. (d)
	HTTPHOPERTY	SO-PLACHINE		4.3
	Photo Rev. Mr.	145	Manager and Address of	anade Join 700 Fa, 18

Payment Terms

Service: PAYTERMBUSINESSEVENTHANDLERSER

Service Operation: HANDLEBUSINESSEVENT10485

Navigation: Main Menu ->PeopleTools -> Integration Broker -> Integration Setup -> Services

1. From the Service Definition page, search for service -PAYTERMBUSINESSEVENTHANDLERSER and click the Service Link.

Favorites - Main Menu - > Pe	eopleTools +> Integration Broker +>	Integration Setup +> Services
DRACLE		Home W
Services - Search		
Search Criteria		
Service	PAYTERMBUSINESSEVENTHANDLERSEP	Add a New Value
Search	REST Service	
Services	Personalize	Find View All 🕼 🔤 First 🚳 1 of 1 🛞 Last
Service	Service Alias	Object Owner ID Description
PAYTERMBUSINESSEVENTHANDLER:	SER PayTermBusinessEventHandlerServic	PAYTERMBUSNESSEVENTHANDLERSER

Figure 8–42 Services

2. Click the Service Operation link to open the Service Operation.

Figure 8–43 Service Operation

DRACLE				
Services				
Service F	PAYTERMBUSINESSEVENTHANDLERS	ER B	REST Service	Type
	AYTERMBUSINESSEVENTHANDLERS			
Comments P	AYTERMBUSINESSEVENTHANDLERSE	ERVICE	7	
Owner ID "Namespace hi ink Existing Operations	tp://www.oracle.com/retail/ffi/psft/connect View WSDL	dor/service		
Service Operations				
Service Operations Service Operation				
	•	A	dd	
Service Operation	•]		dd 🔹 1 of 1 👁	Last
Service Operation			● 1 of 1 ●	Last
Service Operation Operation Type				Last

3. From the Service Operation Definition page, click the Service Operation Security link. This will open a popup window.

DRACLE			
General Handlers Routings			
Service Operation Operation Type	HANDLEBUSINESSEVENT10485 Synchronous		
*Operation Description	HANDLEOUSINESSEVENT		
Operation Comments	HANDLEBUSINESSEVENT	User/Password Required *Req Verification Service Operation Security) (*
Owner ID	•		
Operation Alias	handleBusinessEvent	Used with Think Time Methods	
Default Service Operation Version			
"Version	/1	P Default R Active	
Version Description	ANDLEBUSINESSEVENT	Routing Status	

Figure 8–44 Service Operation Security

4. From the Service Operation Web Service Access page, add Permission list - RFI_PL_INTEGRATION (if not already available) to WebService access with full access and click on Save.

Figure 8–45 Permission list

DRACLE			
General Handwis Rodings			ProginSalt Englision Partial - Energin Chrome T77 people SCMIDMO_2/EMPLOYEE
Service Operation Operation Typ	 HARDLER/ENERGY/NTYGHIS Eventronius 		Fauntes - Man Mans - > PeopleTools +> Integration Dealer +> Inte
"Operation Description	· HADLERVERESSEVENT		ORACLE
Owner (a boockellutinettickeut	El User Passa Hing Verification Service Con this Security	Web Service Access Operative: HARDLEBUSRESSEVENTIONES
Default Siervice Operation Version	F		Permission Personalize Fed C ² C ²
"Varpen	INFOLER/SPEEDO-ENT	V Defeut KA	NPLPL_PREGRATION FUT ALLESS
	** CONDITION TO A CONTRACT OF CONTRACT.	Ang to Local In Local In Local In Local	
	ntine Schena Valdation	Noting Actors Upon Size	I fam P Reten to Search

5. From the Routing Definition tab, go to the Routing Definition tab and click the Routing Definition Link. Routing Definition Name: ~IMPORTED~13540

RACU	æ								0
eneral Line	index (Andrea								
	Service Operation	HACKERSTREETS	EVENT10485						
	Default Version	1.4							
		Ditter Exception							
		C Unier Exception		f ar adisarit natio	cannot be determined. If	a ald rubsed ra	try can be determine	Chen the uner except	lon status ur
		Distant Exception This luber exception is adout rouding will be		f an autocontinuing	canul la determinad. If	a akt ndowed ra	trg can be determine	d than the user except	on status or
Routing Dat	Note Routing Name	Distant Exception This luber exception is adout rouding will be			cannol be determined. If		trig can be determine s) Find) View At (D		
Abuting Del Seterited	Rote Rotteg Name destore Name	User Exception This loter exception actual routing will be Version			cannol be determined. If Receiver Roda				ert in Law
and the second se	Note Routing Name	User Exception This loter exception actual routing will be Version		ANL		Partonals	a) Find (View At D	1 m fast 5 1	

Figure 8–46 Routing Definition Link

6. From the IB Routing Definitions page, click the Connector Properties tab and change the Primary URL value based on the Target system. Primary URL is to point to the RFI service URL that needs to be invoked from PeopleSoft. Click Save.

Figure 8–47 Primary URL

Inerest Handley Readings Service Operation HoteCLEDUSHESSEVENT 16485 Default Version V1 Default Version V1 Default Version V1 Default version status is applicable actual routing with the used Reading Name Reading Versions	Routing Definitions Parameters Connector Properties Routing Properties Routing Rame - 68PORTED-13543 Service Operation HonOLEDUITed SSE-UDIT15465 Service O				
Selected Bana Versus Operation Type () -68PORTED-12540 V1 Synch	Connector Properties Property D	Personal Property Same	te Find View All (CFI 1 Value	not it store it a	
Inachiste Selected Routings Achiste Selected Routing	HEADER	Content 7,pe	jactors.)a, (#)	i,
Ease Robert to Denical	HEADER HTTPPROPERTY	sandchcompress Method	et y Post	(A, (B) (A, (B)	
and Inductors Lincolleda	HTTPPROPERTY	SO4PUsContent		Q. (f)	
	PRANKYLRL	LRL.		004a, 🕢	

Providing Web Service - GL Account Validation

PeopleSoft should provide GL Account Validation WSDL to third party system to consume. It needs to be generated because the WSDL is not delivered by default.

Navigation: Main Menu -> PeopleTools -> Integration Broker -> Integration Setup -> Services

Service Name: COMBO_CF_EDIT_REQUEST

Service Operation Name: CF_EDIT_REQUEST

Prerequisite to Provide Web Service

- **1.** Verify the Request and Response messages have schemas.
 - **a.** Open the service definition: COMBO_CF_EDIT_REQUEST.

Navigation: Main Menu -> PeopleTools -> Integration Broker -> Integration Setup -> Services

Figure 8–48 Services

Favorites - Main Menu - > F	eopleTools -> In	ntegration Broker -	Integrati	on Setup => Services	
ORACLE				Home	V
Services - Search					
* Search Criteria					
Service	COMBO_CF_EDT	REQUEST	19.	Add a New Value	
Search	III REST Service	•			
Services		Personalize	Find V	ew At 🕼 🔠 🚽 First 🗄 1 of 1 🕆 La	ist
Service COMBO_CF_EDIT_REQUEST	Service Alkas CFComboEdit	Object Owner ID General Ledger		CF Combination Edit Request	

b. Click the Service - COMBO_CF_EDIT_REQUEST link.

Figure 8–49 Service Link

Favorites - Main Mer	u - PeopleTools Int	egration Bro	oker 1	nlegration Se	tup - Servi		
Services							
Services							
	Service COMBD_CF_EDIT_REQUEST			REST Service Type			
*Descriptio	CF Combination Edit Requires						
Comment	Synchronous request for CP edting. Header record CONBO_CF_ the first 3 fields. Detail reco CONBO_CF_MSG_D include	MSG_H only rd	include	4			
Service Alia	s CFComboEdit						
Owner	D General Ledger						
*Namespac	e http://xmins.oracle.com/Enter	prise/FSCM/	service/CC	240			
ink Existing Operations	View WSDL P	ovide Web S	ervice	Generate S0	AP Template		
Service Operations							
Service Operation	n						
Operation Typ	e	•	19	Add			
Existing Operations	Personalize Find Vie	w A8 💷 1	11 Fe	st & t of t 4	Last		
Operation Message L	inks IIII)						
Operation.Default Version	Description		Active	Operation Type			

c. Click the Message Links tab.

DRACLE	
Services	
5	Invice COMBO_CF_EDIT_REQUEST
	ption CF Combination Edit Request
Comm	tents Synchronous request for ChartField combination edding. Header record COMBO_CF_MSG_H only include the first 3 fields. Detail necord COMBO_CF_MSG_D include all fields. You can
Service	Alias CFContoEdt
Own	ner ID General Ledger 🔹
"Name:	pace http://xmins.oracle.com/Enterprise/FSCI//service/COI/
ink Existing Operations	View WSDL Provide Web Service Generate SDAP Templ
Service Operations	
Service Oper	ation
Operation	Type Add
Existing Operations	Personalize Find View All (2) (20 First + 1 of 1 + Last
Operation Messa	pe Links
Request Message Versi	
COMBO_CF_EDIT_REQU	EST_VERSION_1 COMBO_CF_EDIT_REPLY_VERSION_1

Figure 8–50 Message Link

d. Click the Request Message - **COMBO_CF_EDIT_REQUEST.VERSION_1** link. It will open a popup window.

Figure 8–51 Request Message

Favorites M	ain Menu PeopleTools Integration Broker Integration Setup Senices
DRACLE	
Services	
	Service COMBO_CF_EDIT_REQUEST REST Service Type
*De	scription CF Combination Edt Request
c	omments Synchronous request for ChartField combination editing. Header record COMBO_CF_MSG_H only include the first 3 fields. Detail record COMBO_CF_MSG_D include all fields. You can
Ser	vice Alias CFConcoEdt
	Owner ID General Ledger
*Na	mespace http://xmins.oracie.com/Enterprise/FSCM/service/CON
Link Existing Operation	ons View WSDL Provide Web Service Generate SGAP Template
Service Operation	na
Service 0	Operation
Opera	tion Type Add
Existing Operatio	Personalize Find View Al [2] Set First (5) 1 of 1 (8) Last
Operation Mer	
Request Message V	Response Message Version COMBO_CF_EDIT_REPLY_VERSION_1
Seve Re	turn to Search Add

e. Verify the Schema Exist option is yes. If the value is No, save the message definition without any changes. It will generate the schema. A confirmation message will be displayed.

Message Definition	Schema			
A Status: Warning:	Message cannot be changed. Message Structure references work records.	ge used in exported WSDL. Explanation		
Message: Version:	COMBO_CF_EDIT_REPLY VERSION_1	Schema Exists: Yes Part Message Exclude Description in Schem		
Description:	CF Combination Edit Reply	Single Level 0 Row		
Owner ID:	General Ledger 🔹 🔻	Include Namespace Suppress Empty XML Tags		
Comments:	Synchronous reply for ChartField	Message Type		
	combination editing request. Header record COMBO_CF_MSG_H excludes the first 3 fields. Detail record	 Rowset-based Nonrowset-based 		
Service Operation Refere	nces	Container		
/iew Records Only eft Right	View Included Fields Only	Add Record to Re		
COMBO_CF_EDIT_F				
Save S	ave As			
Return to Search				

Figure 8–52 Schema Exist

2. To provide the Web Service, the Include Namespace option needs to be enabled at the Service Operation level.

Note: For more details refer to E-IB: Service Response Message Namespace Does Not Match Description in WSDL (Doc ID 1147654.1).

a. Open Service and click the Response Message link- COMBO_CF_EDIT_ REPLY.VERSION_1

Figure 8–53	Response	Message	Link
-------------	----------	---------	------

			Home
DRACLE			
Services - Search			
Search Criteria			
Service	COMBO	a	Add a New Value
Search	REST Service		
Services		Personalize Find \	/iew Al 🖾 📶 First 🛞 1 of 1 🔍 Last
Service	Service Alias	Object Owner ID	Description
	CFComboEdit	General Ledger	CF Combination Edit Request

b. Click the Service link - COMBO_CF_EDIT_REQUEST.

Figure 8–54 Service Link

DRACLE					
Services					
Service	COMBO_CF_ED	IT REQUEST		REST Servi	ce Type
	CF Combination				1.01
Comments	editing. Header record C the first 3 fields.	uest for ChartFiel OMBO_CF_MSG_ Detail record G_D include all fie	H only include	e	
Service Alias	CFComboEdit		1		
Owner ID	General Ledger		•		
*Namespace	http://xmlns.oraci	e.com/Enterprise/	FSCM/service	/C0	
ink Existing Operations	View WS	DL Provide \	Web Service	Generate S	SOAP Templa
Service Operations					
Service Operation	E				
Operation Type			•	Add	
Existing Operations	Personalize	Find View All	D I III F	irst 🕢 1 of 1	Last
Operation Message Lini					
Request Message.Version		Response Mer	ssage.Versio	n	
COMBO_CF_EDIT_REQUES	T.VERSION_1	COMBO_CF_E	DIT_REPLY	VERSION_1	-
Save Return to Se	arch				Add

Check the Include Namespace option and click Save. If the Include Namespace option is disabled with an inconsistency, a few settings need to be completed [For more details refer http://docs.oracle.com/cd/E38689_01/pt853pbr0/eng/pt/tibr/task_

Resolving Inconsistencies in Exported WSDL and WADL Documents-067 f83. html

Warning: Structure references work records. Explanation Message: COMBO_CF_EDIT_REPLY Schema Exists: Version: VERSION_1 Part Message Description: CF Combination Edit Reply Single Level 0 Row	Yes
Description. Of Combination Educkephy	on in Schema
M Include Namesna	
Owner iD: General Ledger	
Comments: Synchronous reply for ChartField combination editing request. Header record COMBO_CF_MSG_H excludes the first 3 fields. Detail record Sonorwset-based Nonrowset-based	
Service Operation References Octainer	
View Records Only View Included Fields Only Ad	d Record to Ro

Figure 8–55 Include Namespace

d. Click the Service Admin link on top of this window. This will open a window, which has the clear wsdl export status link. After doing this, the Include Namespace option will be enabled on the Service - Message Definition page.

Figure 8–56 Service Admin

PK Home	- Sevice	11 Mexages	- Messager	· Statutiong bucous	mercan in Experted
	10. D. T. MARK, T. H.L. SHIT, V.W. 14	OTHER DESIGNATION OF THE OWNER.	WHERE PERSON ADDRESS	not the of the local	
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RACLE					
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Records Individue	halanta .				
A Dates	Experied WIDL Bag accessesionly debed				
Warning	Structure information which records.	Exploration Information	Experied HSER, Incompilancy		
Merce age	COMBO_CF_EDIT_NEPLY	That Bennage			
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Description.	EF Communities 8 at Name	Single Land 1 Row			
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martine + Marrielle	og 1 Perglellants + Mappin	of Rodon & Computer Setup 1 ; Names					
				starter therein.	RallCharme Corners / A	dates 7 another	Maps or
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						og Hindow Paras	makes Pa
Berryage Statution 1	LENTA .				-		
A	Figure and Striken, Ray Incompanyo	Exported WSDL Inconsolvements			•		
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Manager .	COMPANY OF REAL PROPERTY.	reportery Physics Addres (at	on the data or inconsistent. This error to going among the vehicled services or IVES.				
the start	HEREICH, 1						
				Denis Adver-			
(Investigation)	Dr Corentation 2 at Proper		ensembles (Fand Vana Ad (CF TB	Fee: # 1-12-p166			
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	investigation and the proposed in the second	of the share was she	10				
			10				
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Senio a Canadica Materia	No. of Concession, Name	0,785801,976,401,6	10				
tion Parcette (NR)	· New Installed Freed	CLIMELECT, MITCLINES, C	10				
and [Margan		0,0588,980964,0	10				
		0,1888,980983,6	10				
11 (1966), (7, 597, A		O, HER, PROVAL RESERVED FOR	10				
H @ COMMO_17,	ANK, N	0,088,7624,87568660	11				
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and a constant of a sec-	-						

Figure 8–57 Exported WSDL Inconsistencies

Provide Web Service

Navigation: Main Menu -> PeopleTools -> Integration Broker -> Web Service -> Provide Web Service

1. Open COMBO_CF_EDIT_REQUEST and click Next.

Figure 8–58 Provide Web Service

DRACLE			
Provide Web Service Wizard			Step 1 of 4
1 2 3 4			Next >
Select Services			
Enter search criteria and click Sear	ch, Select one of	r more services you v	vould like to provide.
Search Criteria			
Service Name	begins with	COMBO_CF	
Service Name Description	begins with begins with	COMBO_CF	
	begins with	and the second se	•
Description	begins with	•	•
Description	begins with equals	•	•
Description	begins with equals	•	•
Description	equals REST Servic	•	▼ First ④ 1 of 1 ④ Last
Description Object Owner ID	begins with equals REST Servic	• ce Search	

2. Select the Service Operation - COMBO_CF_EDIT_REQUEST.VERSION_1 and click Next.

Figure 8–59 Service Operation

Provide Web Service Wizard			Step 2 of 4			
0.0.0		- Previou	a Net -			
Select Service Operations						
Select one or more operations for each service.						
Service CONBO_CF_EDIT_REQUEST		Description Cr	Combination Edit Request			
D Use Service Alles in WSDL		Service Abes CF	CurreoEat			
U Use Secure Target Location	10 0	enerate WSDL 2.0				
Operations				Find View All 125	First 4/1	of \$10 Last
Service Operation	Description	Operation Type	Request Message	Response Message		Fault Message
CONBO_CF_EDIT_REQUENT VERSION_1	OF Combination Edt Request	Synchronous	CONDO_CF_EDIT_REQUEST VERSION_1	COMBO_OF_ED/T_REPLY	VERSION_1	
R Select Al Case Al						

3. View WSDL and click Next.

Figure 8–60 View WSDL

Favorites - Main Menu - > People	Tools => Integration Broker => Web Services => Provide Web Services
ORACLE	
Provide Web Service Wizard	Step 3 of 4
1-2-3-4	< Previous Next >
View WSDL	
View the generated WSDL for each service	
Selected Services	First 🕢 1 of 1 🕑 Last

View WSDL

4. Click **Finish** and the WSDL will be generated.

Description

CF Combination Edit Request

DRACLE	
Provide Web Service Wizard	Step 4 of 4
1-2-3-4	< Previous Finish
Specify Publishing Options	
The WSDL for the selected services will be publis	hed to the PeopleSoft WSDL Repository.
Publish to UDDI	
WSDL Repository	

Figure 8–61 Finish

COMBO_CF_EDIT_REQUEST

Service

Figure 8–62 Consume WSDL

For example:

http://hostname:portno/PSIGW/PeopleSoftServiceListeningConnector/COMBO_ CF_EDIT_REQUEST.1.wsdl

Providing Web Service - Drill Forward Service

PeopleSoft should provide Drill Forward Serivice WSDL to third party system to consume. It needs to be generated because the WSDL is not delivered by default.

Validate that you are able to look up DrillForwardBackURLService is available by following the below menu navigation

Navigation: Main Menu -> PeopleTools -> Integration Broker -> Integration Setup -> Services

Lookup for "**DRILLBACKFORWARDURLSERVICE**". Ensure service is configured properly and "Primary URL" is pointed to correct RFI target service.

Note: Refer to the "PeopleSoft service is not able to deliver messages to RFI" section under Appendix - Troubleshooting PeopleSoft Services for detailed navigation.

If above mentioned service configuration validations fails, then follow the below steps to configure the DrillBackForwardURLService in PeopleSoft else skip the below steps.

Provide Web Service

Navigation: Main Menu -> PeopleTools -> Integration Broker -> Web Service -> Provide Web Service

1. Open RFI_INV_DRILLFORWARD_SERVICE and click Next.

Figure 8–63	Provide Wel	b Service
-------------	-------------	-----------

Provide Web Service Wizard			Step 1 of 4
1-2-3-4			Next >
Select Services			
Search Criteria	ch. Select one or r	more	e services you would like to provide.
			RFLINV_DRILLFORWARD_SERVICE
Search Criteria	begins with		
Search Criteria Service Name	begins with begins with	•	

2. Select the Service Operation - RFIINVOICEDRILLFORWARDSERVICE.VERSION_ 1 and click **Next**.

Figure 8–64 Service Operation

DRACLE			
Provide Web Service Wigett	Step 2 of 4		
0.0.0	+ Previous Tant +		
Select Service Operations			
Detect one or more operations for each service.			
Bervice RFLW_DRLPDRWAD_S2RV II) the Service Alea in WBL III) the Secure Target Location	Service Alas R Bruccelli Forwardlervice		
Operature		Fed (Vew At) [2]	Feel P 1 st C 7 Late
Service Operation	Description Operation Request Neurope	Response Message	Fault
· PROVIDE LOCAL DESIGNATION OF COMPANY	Proble - Synthesis IP BY DELFORMAD REGIST VE	RSIDE T RPL WV DRLLPDRIVED	RESPONSE VERSON, C

3. View WSDL and click Next.

Figure 8–65 View WSDL



4. Click Finish. The WSDL is generated.

Figure 8–66 Finish

Favorites -	Main Menu + > PeopleTools + :	Integration Broker = > Web Services = > Provide Web Ser
	.E'	
Provide We	b Service Wizard	Step 4 of 4
1-2-0)-@	< Previous Finish
Specify F	Publishing Options	
The WSDL for	the selected services will be published	to the PeopleSoft WSDL Repository.
🔲 Publish	to UDDI	
2 WSDL R	epository	

5. Consume the WSDL or make the changes as required in RFI.

Figure 8–67 Consume WSDL

Provide Web Service Wizard	
Confirm Results	
View the WSDL Generation Log to confirm the results of the wizard.	
WSDL Generation Log:	
Service: RFL_RV_DRILLFORWARD_SERVICE has been exported.	
inserted WSQL: RFI_NV_DRLLFORWARD_SERVICE.1 in the repository	
Generated WSDL URL	
7777/PSRWiPeopleSoftServiceLideningConnects RILLFORWARD_SERVICE1 ward	KRP_NV_D

For example:

http://hostname:portno/PSIGW/PeopleSoftServiceListeningConnector/RFI_ INV_DRILLFORWARD_SERVICE.1.wsdl

9

Cloud Financials Setup Tasks

As part of hybrid cloud integration between retail applications and Cloud Financials, the retail applications are on premise setup and Cloud Financials is on cloud. The Oracle Retail Financial Integration (RFI) layer serves as an intermediate thin layer of application between the financial applications (CFIN) and Oracle Retail.

This chapter includes:

- Prerequisites
- Setup the RFI User in CFIN
- Configure the CFIN Supplier Sync Service
- Importing the CFIN Public Certificate into RFI
- Verify the CFIN SOAP Services
- Start or Run Initial Load of Supplier Parties from CFIN

Prerequisites

It is assumed CFIN has already been configured and implemented. It is also assumed the user performing the installation has been provisioned access to the required functions and data in CFIN e.g. "IT Security Manager", "Application Developer", etc.

Setup the RFI User in CFIN

In order to enable and secure the integrations between RFI and CFIN an RFI user needs to be created at the CFIN end which is in turn used to authenticate and secure RFI as an authorized source of data to being integrated to CFIN.

CFIN provides multiple ways to manage users but this type of users which are meant to be used for integration purposes are created in the CFIN Security Console.

The Security Console is used to manage application security in your Oracle Applications Cloud service. Use the IT Security Manager role to perform security-related tasks pertinent to role management, role analysis, user-account management, and certificate management.

The creation of the RFI user should follow the same process as any other user of the system which starts by the creation of the username, password and other details and then follows through to the provisioning roles to that user which is the most relevant part of the process with regards to the integration with RFI.

The privileges required to enable the integration to CFIN from RFI are under the following roles:

- "Financial Integration Specialist" (ORA_FUN_FINANCIAL_INTEGRATION_ SPECIALIST_JOB) or;
- "Integration Specialist" (ORA_FND_INTEGRATION_SPECIALIST_JOB)

In order to segregate the RFI role from the above generic and standard roles it is recommended that the IT Security Manager creates, beforehand, a new role specifically for RFI by copying its privileges from the Financial Integration Specialist and then name it Financial Integration Specialist for RFI (ORA_FUN_FINANCIAL_INTEGRATION_SPECIALIST_JOB_FOR_RFI).

Once this role is created the IT Security Manager should add the following privileges to the newly created role (if not yet included):

 "FSCM Load Interface Administration" (ORA_FUN_FSCM_LOAD_INTERFACE_ ADMIN_DUTY)

The new role should then be provisioned to the RFI user.

Configure the CFIN Supplier Sync Service

Oracle CFIN Supplier Model provides a Supplier Outbound Synchronization Service feature that will generate a supplier record snapshot for any external supplier repository to consume. This enables customers to use the Oracle Fusion Supplier Model as a master repository where all supplier profile data is maintained. Near real-time synchronization of Fusion supplier records allows a downstream application to leverage the Fusion supplier data to drive other transaction flows. When any update is made to a supplier record the synchronization service will generate a snapshot of the supplier record in an XML file that models the Fusion supplier structure and transport the document over HTTPS to a single server destination.

Configure Supp	olier Outbound	d Synchronizatio	n Service
----------------	----------------	------------------	-----------

* URL	https://www.advantagegroup.com/advantageGrou
Security Policy	oracle/wss_username_token_over_ssl_client_policy
* User Name	administrator
* Password	

To configure Supplier Outbound Synchronization Service use task Configure Supplier Outbound Synchronization Service in CFIN Setup Manager to define the server location of the Supplier Export Outbound web service.

Note: Please note that the URL to be setup in the above screen is the URL of the RFI Supplier Consumer Service and the username and password is the RFI owner.

If you decide not to use supplier outbound synchronization service for your business, you can remove the data entry for this setup task. Oracle CFIN Supplier Model will no longer generate the XML file for supplier profile data during profile creation or update.

Supplier XML document is transported using the Supplier Export Outbound web service over HTTPS. This is an SSL session that always begins with an exchange of

messages called SSL handshake. The handshake allows the server to authenticate itself to the client by using public-key techniques. The server's public certificate should be imported into the trusted key store that is used by the client before the document transport.

Importing the CFIN Public Certificate into RFI

Certificates establish keys for the encryption and decryption of data that CFIN applications exchange with other applications

In order to enable the integrations between RFI and CFIN the CFI public certificate needs to be imported into RFI. Use the Certificates page in the Security Console functional area to work with certificates in either of two formats, PGP and X.509. For each format, a certificate consists of a public key and a private key.

Once the certificate is generated and exported from CFIN it must be imported by RFI.

Verify the CFIN SOAP Services

For the inbound to CFIN integrations RFI relies on two standard SOAP Webservices as follows:

- The CFIN Account Combination Validation Service which is a SOAP Web Service for the validation of the CoA account code combination:
 - QName: {http://xmlns.oracle.com/apps/financials/generalLedger/accounts/codeCo mbinations/accountCombinationService/}AccountValidationInput
 - Service WSDL URL: https://(FADomain,FSCMServices)/fscmService/AccountCombinationServic e?WSDL
- The CFIN ERP Integration Service which provides external operations for ERP integration scenarios to execute end-to-end inbound and outbound data flows.
 - QName: {http://xmlns.oracle.com/apps/financials/commonModules/shared/financi alUtilService/}FinancialUtilService

As part of this installation it should be checked whether these services are enabled and running in CFIN.

For more information on these services and to discover the public external SOAP web services in CFI you can use the SOAP Web Services guides for the appropriate Oracle Applications Cloud service, Developer Connect, or the Service Catalog Service. Information includes public external services for a specific cloud instance and new services that are introduced in patches and customizations.

Setting up Weblogic SSL with a Valid Certificate

As CFIN will only call the Supplier Sync Service if the service is under a SSL port with a valid certificate, we need to setup Weblogic with a valid certificate. To perform this configuration, the following steps should be executed:

1. Generate a new keystore:

```
keytool -genkey -v -alias <alias> -keyalg RSA -keysize 2048 -sigalg
SHA256withRSA -keypass <private_key_password> -validity 365 -keystore <key_
store_file_name>.jks -storepass <key_store_password>
```

2. Generate a Certificate Signing Request (CSR):

keytool -certreq -alias <alias> -keyalg RSA -file <csr_file_name>.csr -keystore <key_store_file_name>.jks

- **3.** Request the certificate from a certificate Authority (CA) using the generated CSR file.
- 4. Import the certificate provided by the CA into the keystore:

keytool -import -alias <alias> -keystore <key_store_file_name>.jks
-trustcacerts -file <generated_certificate>.crt

- 5. If CA provides more than one certificate, import all those certificates into keystore.
- **6.** Change the Weblogic Custom Identity Keystore, to point to the new keystore (<key_store_file_name>.jks)

ettings for rfi-server		
Configuration Protocols Logging Debug Monitoring Control De	ployments Services Security Notes	
General Cluster Services Keystores SSL Federation Services	Deployment Migration Tuning Overload Concurrency Health Monits	oring Server Start Web Services Coherence
Save		
Keystores ensure the secure storage and management of private keys and trus	ed certificate authorities (CAs). This page lets you view and define various keysto	ore configurations. These settings help you to manage the security of message transmissions.
eystores:	Custom Identity and Java Standard Trust Change	Which configuration rules should be used for finding the server's identity and trust keystores? More 3rfs
Identity		
ustom Identity Keystore:	<pre><path_to_keystore></path_to_keystore></pre>	The source of the identity keystore. For a XKS keystore, the source is the path and file name. For an Oracle Key Store Senice (KSS) keystore, the source is the KSS URL More Info
uston Identity Keystore Type:	JKS	The type of the keystore. Generally, this is JKS. If using the Oracle Key Store Service, this would beKSS $\mbox{More Info}$
ustom Identity Keystore Passphrase:	•••••	The encrypted custom identity keystore's passphrase. If empty or null, then the keystore will be opened without a passphrase. More Info
onfirm Custom Identity Keystore Passphrase:	•••••	
Trust		
ava Standard Trust Keystore:	/usr/java/jdk1.8.0_191-amd64/jre/lib/security/cacerts	The location of the java standard trust keystore. More bria
ava Standard Trust Keystore Type:	jis	The type of the java standard trust keystore. Generally, this is JKS. More Info
ava Standard Trust Keystore Passphrase:		The password for the Java Standard Trust kaystore. This password is defined when the kaystore is created. More 3/6
ionfirm Java Standard Trust Keystore Passphrase:		
Save		

7. Enable SSL on managed server where RFI application is deployed and restart the servers.

Start or Run Initial Load of Supplier Parties from CFIN

The purpose of this flow is to load the existing active Suppliers, Supplier Sites, and Supplier Contacts from CFIN into Retail.

These are the steps to load the Supplier details initially from Oracle CFIN to Retail.

Download supplier data from CFIN: the first step is to extract the supplier profile data from CFIN. This can be done as follows.

1. Login to CFIN. You need to have access to the Oracle ERP Cloud Procurement module to perform this task.

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	APPS							
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2. On the left-hand side menu go to Tools and then Reports and Analysis.

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Intercompany Accounting	×
Cash Management	TRATOR
Fixed Assets	 Image: A set of the set of the
Customer Data Management	 Image: A set of the set of the
Expenses	v t Payroll Risk Management 1 >
My Enterprise	
Tools	^
Set Preferences	
Reports and Analytics 🛗 Scheduled Processes 💿 Security Console	

3. Then Shared Folders:

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Create V				

4. Then Procurement - Embedded Content:

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Filter Altypes Favortas Q Clear Filters				
Create •				
Deshboards				^ _
Embedded Content				
Procure To Palembedded Content				
Purchasing				
Self Service Procurement				
Sourcing				
Spend Spend				
Subject Area Contents				

5. Then Supplier Export Reports:

¢	Requisition Lines in Process by Top 10 Buyers	Created By System Account Last Updated By 10/23/18 3:00 PM	
¢	Regulation Lines in Process for a Buyer	Created By System Account Last Updated By 10/23/18 3:00 PM	
Ŷ	Regulation Lines in Process for a Buyer EA	Created By System Account Last Updated By 10/23/18 3:00 PM	
÷	Regulation Lines in Regulation Pool By Top 10 Buyers	Created By System Account Last Updated By 10/23/18 3:00 PM	
	Succier Exect Records		
\$	Supplier Export Reports Upprocessed Requisition Lines Aging by Buyer	Created By System Account Last Updated By 10/23/16.3:00 PM	
÷	Unprocessed Requisition Lines Aging for a Buyer	Created By System Account Last Updated By 10/23/18 3:00 PM	
\$	Unprocessed Requisition Lines by Buyer	Created By System Account Last Updated By 10/23/18 3:00 PM	

- 6. Then you need to extract four data entities as follows:
 - **a.** Supplier data

- **b.** Supplier Address data
- c. Supplier Site data
- d. Supplier Site Assignments data

= vision	Q	â	2 <mark>9</mark> 0	SYSTEM ADMINIST \lor
Reports and Analytics				Browse Catalog
🛅 All Folders » 🎦 Shared Folders » 🋅 Procurement » 🋅 Embedded Content » 🋅 Supplier Export Reports				
Filter All types Filters Clear Filters				
Create •				
Export supplier addresses data for import template				
Export supplier business classifications data for import template				
Export supplier contacts addresses data for import template				
Export supplier contacts data for import template				
Export supplier data for import template				
Export supplier products and services categories data for import template				
Export supplier site assignments data for import template				
Export supplier site third-party relationships data for import template				
Export supplier sites data for import template				

7. For each data entity, once you click the folder icon the following screen will be displayed.

= vis	ion													Q	ត	9	SYSTEM AD	MINIST V
xport sup	oplier d	ata for	import	template re	port													Done
Supplier Name	Supplier Name New	Supplier Number	Alternate Name	Tax Organization Type	Supplier Type	Inactive Date	Business Relationship	Parent Supplier	Alias	D-U-N-S Number	One- time supplier	Customer Number	SIC	National Insurance Number	Corporate	Web Site		Chief Executiv Title
ABC Bank		1359		CORPORATION			SPEND_AUTHORIZED											
ABC Consulting		1288		PARTNERSHIP	SUPPLIER		SPEND_AUTHORIZED											
AKÇAY GRTASİYE (AYIN DAĞ.SAN.VE TİC. LTD. ŞTİ.		1350		CORPORATION			SPEND_AUTHORIZED											
Advanced Corp		1263		CORPORATION			SPEND_AUTHORIZED											
Aesculup Inc		1326		CORPORATION			SPEND_AUTHORIZED											
Allied Manufacturing		1265		CORPORATION			SPEND_AUTHORIZED											
Altamonte Corporation		1345		CORPORATION			SPEND_AUTHORIZED											
Amazon		1343		CORPORATION			SPEND_AUTHORIZED											
American Telephone and Telegraph		1259		CORPORATION			SPEND_AUTHORIZED											
Arec Computer		1312		CORPORATION			SPEND_AUTHORIZED											
PRR		1333		CORPORATION			SPEND AUTHORIZED											

8. At the right-hand bottom there is an option to export the data to an XML file.

ardinal lealth	1325	CORPORATION	SPEND_AUTHORIZED	801423062	http://www.cardinalheaith.com/en.html
omtele Italia I.P.A.	1313	CORPORATION	SPEND_AUTHORIZED		
consolidated upplies	1272	CORPORATION	SPEND_AUTHORIZED		
IANONE IAYAT ÇECEK VE IIDA SANAYÎ 'E TÎCARET LŞ	1352	CORPORATION	SPEND_AUTHORIZED		
E Consulting	1349	CORPORATION	SPEND_AUTHORIZED		
IHL OJİSTİK İZMETLERİ LŞ.	1351	CORPORATION	SPEND_AUTHORIZED		
IOĞUŞ ÇAY 'E GIDA IADDELERİ IRETİM YAZARLAMA THALAT HRACAT IŞ.	1353	CORPORATION	SPEND_AUTHORIZED		
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9. Use that option to export the data in XML format.

Upload supplier data to RFI CFIN

The purpose of this flow is to load the existing active Suppliers, Supplier Sites, and Supplier Contacts from CFIN into Retail.

These are the steps to load the Supplier details initially from Oracle CFIN to Retail.

- A wrapper script supplier_initial_load.sh is provided to load the existing Suppliers, Supplier Sites, and Supplier Contacts from a flat file extracted from CFIN to RFI Staging table. These files are available in the RFI pack, folder - \$INSTALL_DIR/cloud-financial /install/setup-data/dml.
- **2.** An extraction for the supplier data should be generated in CFIN for the supplier data to be loaded. This extraction should follow the same format as the CFIN Supplier Sync Service XML with five flat files that contain the following information.
 - Supplier
 - Supplier Site
 - Supplier Contacts
 - Supplier Address
 - Supplier Contacts Address

Note: Currently only XML files are supported for this flow.

3. Run the supplier_initial_load.sh (available in \$INSTALL_DIR/cloud-financial /install/setup-data/dml.

Note: \$JAVA_HOME and \$INSTALL_DIR environment variables need to be set prior running the script.

The extracted files from CFIN should not contain any spaces in the file name otherwise the script will not run as wanted.

The script will prompt for several information, necessary to run the load correctly:

- ORFI database host
- ORFI database port

- ORFI database sid
- ORFI database username
- ORFI database password
- Extracted CFIN supplier flat file location
- Extracted CFIN supplier site flat file location
- Extracted CFIN supplier Contacts flat file location
- Extracted CFIN supplier Address flat file location
- Extracted CFIN supplier Contact Address flat file location
- 4. Extracted data is loaded into temporary tables.
- **5.** Suppliers, Supplier Sites, Supplier Contacts records are pushed to RFI Staging tables RFI_SUPP_STAGE, RFI_SUPP_SITES_STAGE, and RFI_SUPP_CONTACTS_STAGE respectly.
- 6. Temporary tables are dropped in case of success.

Note: The script is only ready to run once. In case of failure check if temporary tables are populated with correct data, drop temporary tables and truncate the staging tables, after that the script is ready to run again.

7. Once the initial supplier details are moved to RFI Staging tables, the records are sent to Retail similar to the Supplier Incremental Loading process.

10

ODI Setup Tasks (Not Applicable for CFIN Implementation)

This chapter includes:

- Prerequisite
- Copy ODI-Specific Files
- Create Tablespaces
- Create the ODI Master Repository Database User
- Create the ODI Work Repository Database User
- ODI Set Up Master Repository and Work Repository
- Validation Master Repository and Work Repository Schema creation
- Create Master Repository
- Create Work Repository
- Import ODI Interfaces
- Update Connection Information
- Scenario Test

Prerequisite

It is assumed Oracle Data Integrator has already been configured with the appropriate details for your installation. This ODI installation location is referred to as ODI_INSTALL_DIR for the remainder of this chapter. The ODI domain should be created on the same host as the WebLogic server where the BdiEdgeAppJobAdminPak21.0.000ForRfi21.0.000 application is installed.

Copy ODI-Specific Files

- **1.** Log in to the UNIX server as a user who has sufficient access to run sqlplus from the Oracle Database installation.
- 2. Create the retail-financial-integration-solution in <INSTALL_DIR> folder.
- **3.** From the ORFI server, copy the <INSTALL_ DIR>/retail-financial-integration-solution/etl-based-integration folder to <INSTALL_DIR>/retail-financial-integration-solution folder on the ODI server.

Note: All references to the ODI server are indicative of RfiBulkServer.

Create Tablespaces

Before you run the ODI Master and Work database user, make sure that the following tablespace has been created in the database: ODI_DATA. Below is a sample tablespace creation statement for this tablespace. Oracle Retail recommends the use of locally managed tablespaces with automatic extent and segment space management.

Note: These tablespaces are not sized for a production environment. The customer's Database Administrator should create the tablespace based on their datacenter database architecture and size it appropriately based on expected data volume for their peak data usage.

```
CREATE TABLESPACE ODI_DATA DATAFILE

'<datafile_path>/odi_data01.dbf' SIZE 500M

AUTOEXTEND ON NEXT 100M MAXSIZE 2000M

EXTENT MANAGEMENT LOCAL

SEGMENT SPACE MANAGEMENT AUTO

;
```

Create the ODI Master Repository Database User

You must create an ODI Master Repository schema using a *create_user.sql* that comes with installer distribution. This will be used to execute ODI Interface at run time. This create_user.sql script can be used for this:

\$INSTALL_

DIR/retail-financial-integration-solution/etl-based-integration/retail-to-ebsfin-etl-flo ws/setup-data/ddl/create_user.sql

The script takes three arguments on the command line in sqlplus: username, password, and ODI Master tablespace.

For example: SQL> @create_user.sql <ODI Master Schema> <ODI Master Schema Password> <ODI Master tablespace name>

Review this script and run it as a user with adequate permissions, such as SYSTEM.

Create the ODI Work Repository Database User

You must create an ODI Work Repository schema using a *creat_user.sql* that is included with the installer distribution. This will be used to execute ODI Interface at run time. This create_user.sql script can be used for this:

\$INSTALL_DIR/

retail-financial-integration-solution\service-based-integration\install\setup-data\ddl create_user.sql

Or

The script takes three arguments on the command line in sqlplus: username, password, and ODI Work tablespace.

For example: SQL> @create_user.sql <ODI Work Schema> <ODI Work Schema Password> <ODI Work tablespace name>

Review this script and run it as a user with adequate permissions, such as SYSTEM.

ODI - Set Up Master Repository and Work Repository

Note: If you have not had a master and work repository created, you need to create it beforehand as described in the Oracle Data Integrator administrator guide or follow the steps given below.

Validation - Master Repository and Work Repository Schema creation

Run the below SQL. This should return 2 records each with name of the ODI Master & ODI Work repository schema names given in the previous two steps. Proceed further only if query gives you two records with schema names provided by you in the previous steps. If not ensure to successfully execute above two steps with help of DBA:

SQL> select * from all_users where username in (<ODI Work Schema>, <ODI Master Schema >);

Please replace <ODI Work Schema> & <ODI Master Schema> with the names given while creating Master and Work repository schema.

Create Master Repository

Prerequisite:

 Make sure database schemas for Master and Work Repositories are present in the ODI database.

Note: These schema creation steps are done as part of ODI setup tasks in this chapter.

 Make sure the RFI_ODI_TEMP schema exists in the E-Business Suite or PeopleSoft database (Based on your integration financials application).

Note: These schema creation steps are done as part of "Create the ODI Staging Database User" in chapter 5.

Make sure the ORFI infrastructure database setup is completed.

Note: These schema creation steps are done as part of "Create the ORFI Database User" in chapter 3.

 Give database administrator privileges to the schema in the E-Business Suite OR PeopleSoft database depending on which is your integrating Financials system

Use the following procedure to create the Master Repository:

1. Launch Oracle Data Integrator (ODI) Studio to create a Master Repository:

Click File->New and select "Master Repository Creation Wizard" and click **OK**.

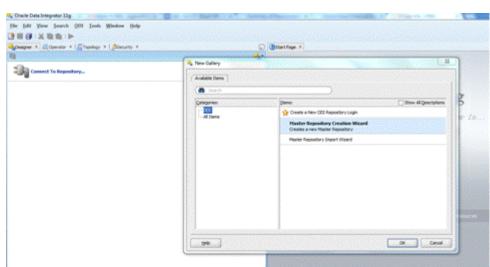


Figure 10–1 Master Repository Creation Wizard

- 2. Enter the Master Repository Database connection details and click Next.
 - Database Connection Enter valid Master Repository schema details.

Note: In JDBC url field, use the OdiMasterDataSource / jdbcUrl entered in rfi-deployment-env-info.json file. You have to enter sysdba credentials in DBA User and DBA Password fields.

• Repository Configuration - Enter any ID other than 804 or 805 in the Id field.

Figure 10–2 Repository Configuration

	G Mater Separate Da	anun Wood - Dag 1 of 2	
Connect To Reporting.	Repository Connect	tion	
	U Reporting Learning - Autoritations - Conservations	Debtate Committee Normality State 2000 Summitties State	

3. Test your credentials information using the **Test Connection** button. If you are successful, click **OK** in the Information popup and then click **Next**.

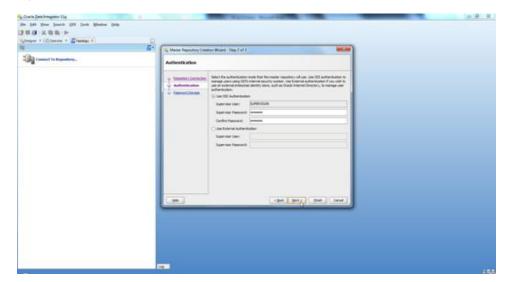
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	Namedan Constant Cons	
-		

Figure 10–3 Test Connection

4. Enter *<supervisor password>* and click **Next**.

Note: This password will be used in further installation steps, so keep a record of it.

Figure 10–4 Authentication



5. Click Finish.

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	Drie. (Bek torr) Drein	Canad

Figure 10–5 Password Storage

6. Click OK.

Create Work Repository

Use the following procedure to create the Work Repository:

- 1. Select the ODI Menu->Connect option to log in to the Master Repository in Oracle Data Integrator (ODI) Studio to create a Work Repository.
- **2.** Create Master Repository login credentials by selecting the + button from the Oracle Data Integrator Login dialog.

Figure 10–6 Oracle Data Integrator Login

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17		

- 3. Update the Repository Connection Information as below:
 - a. Oracle Data Integrator Connection:
 - Login Name: <Login Name>

- User: <Enter "SUPERVISOR" in this field>
- Password: <*supervisor password>*

Note: See ODI documentation for information on users with the correct (supervisor level) permissions. The SUPERVISOR user is created by ODI and has the correct permissions by default.

- **b.** Database Connection (Master Repository):
 - Enter Master Repository database credentials for User and Password fields.
 - Select "Oracle JDBC Driver" from the drop-down list for Driver List field.
 - Enter Url (use the OdiMasterDataSource/ jdbcUrl entered in rfi-deployment-env-info.json file) field as shown below:

jdbc:oracle:thin:@<host>:<port>:<sid>

- **c.** Work Repository:
 - Select the Master Repository Only option.

Figure 10–7 Repository Connection Information

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4. Test your credentials information using the **Test** button. If you are successful then click **OK**.

Figure 10–8 Test

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5. Select **OK** from Oracle Data Integrator Login dialog.

Figure 10–9 Oracle Data Integrator Login

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6. From the Topology tab, select Repositories and then right-click on the Work Repositories. Select the New Work Repository option.

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Figure 10–10 Repositories

- 7. Enter the work repository database credentials details.
- **8.** Test your credentials information using the **Test** button. If you are successful then click **Next**.

Figure 10–11 Test

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- 9. Update ODI Work Repository properties:
 - **a.** Enter any ID other than 804 or 805 (For EBS integration) / 501 or 502 (For PeopleSoft Integration) in the Id field.
 - **b.** Enter Name and Password (should be SUPERVISOR user and *<supervisor password>*) for work repository and click **Finish**.

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			(det) [teg.] (re	2

Figure 10–12 ODI Work Repository

10. Click **Yes** to create an ODI login for the work repository.

Figure 10–13 Confirmation

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11. Enter the ODI work repository login name in the dialog.

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12. Select the ODI Menu->Disconnect option to connect to the Work Repository.

Figure 10–15 Disconnect

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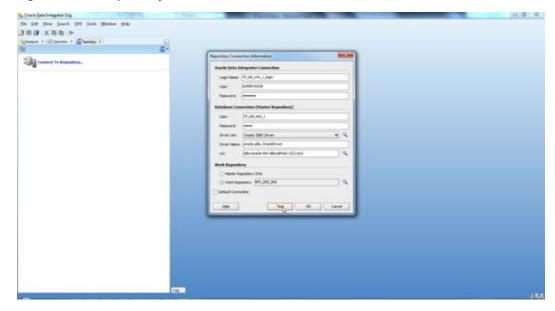
- **13.** Select the ODI Menu->Connect option.
 - **a.** From the ODI Login popup, select Login Name from dropdown list (select the name you created in step7).
 - **b.** Enter user as "SUPERVISOR".
 - **c.** Enter *<supervisor password>*.
 - **d.** Select the Edit option.

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Figure 10–16 Connect

- 14. Validate the Repository Connection Information:
 - a. Oracle Data Integrator Connection
 - Login Name: <work repository login name>
 - User: <"SUPERVISOR">
 - Password: <supervisor password>
 - b. Database Connection (Master Repository)
 - Validate the Master Repository database details.
 - c. Work Repository
 - Select the Work Repository option and select the repository you just created.

Figure 10–17 Repository Connection Information



15. Test your credentials information using the **Test** button. If you are successful then click **OK**.

Figure 10–18 Test

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16. Select OK from Oracle Data Integrator Login dialog.

Figure 10–19 Oracle Data Integrator Login

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Import ODI Interfaces

Use the following procedure to import ODI interfaces using Smart Import:

- **1.** Log in to the Work Repository in Oracle Data Integrator (ODI) Studio to import all the interfaces:
- 2. Select the Import option from the Designer tab.

Figure 10–20 Import

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3. Select the Smart Import option on the Import Selection dialog and click OK.

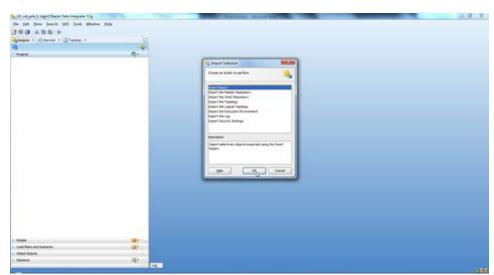


Figure 10–21 Smart Import

4. If integration is with EBS, then

Select SmartExport_RMS_EBS_Account_Entry.xml file in the File Selection Field and click **Next**. This file can be found in \$INSTALL_ DIR/retail-financial-integration-solution/etl-based-integration/retail-to-ebsfin-etlflows/retail-to-ebsfin-odi-project/WorkRepository/.

If integration is with PeopleSoft, then

 Select SmartExport_RMS_PSFT_Account_Entry.xml file in the File Selection Field and click Next. This file can be found in \$INSTALL_ DIR/retail-financial-integration-solution/etl-based-integration/retail-to-psftfi n-etl-flows/retail-to-psftfin-odi-project/WorkRepository/.

File Selection					
File Selection		guide you through the replay a previous Smar			
Summary	File Selection:	di-project/WorkRepo	sitory/SmartExport_	RMS_EBS_Account_	Entry.xml
	Response file:				

5. Click Next.

File Selection	No Issues			
Import Actions	Object Match Details	:(#	- 40) B E	****
Summary	Import Object	Action	Repository Obje	ct Issues
and the second se	Designer Topology			
	Issue Details:			44
	Issue Details: Issue Type	Description	Action	(Fix

Figure 10–23 Smart Import - Step 2 of 3

6. Click Finish.

Figure 10–24 Smart Import - Step 3 of 3

Summary	
File Selection Import Actions	Select Finish to run the Smart Import. Select Save Response File to save a Smart Import execution File Selection: bsfin-odi-project/WorkRepository/SmartExport_RMS_EBS_Account_Entry.xx
Summary	No Issues

7. Similarly, perform Smart Import for the other ODI Interfaces listed below based on whether integrating financial applications is EBS or PeopleSoft

If EBS then,

- SmartExport_ReIM_EBS_Account_Entry.xml
- SmartExport_ReIM_EBS_Invoice_Entry.xml

If PeopleSoft then

- SmartExport_ReIM_PSFT_Account_Entry.xml
- SmartExport_ReIM_PSFT_Invoice_Entry.xml

Update Connection Information

For EBS Integration:

In Topology, under Physical Architecture, Technologies -> Oracle, update the Database Connection details in the Physical Server and Physical schema as shown in the table below.

Figure 10–25 Database Connection Details



Table 10–1 Database Connection Details - Physical Server and Physical Schema

Physical Server (Data Server)			Physical Schema	
Name	Definition > Connection	JDBC	Schema (Schema)	Schema (Work Schema)
EBIZ DS	User: < <i>APPS</i> Schema Name>	Update EBS JDBCUrl	APPS Schema	RFI_ODI_TEMP Schema
	Password: <apps Schema Password></apps 			
EBIZ_AP	User: < <i>AP Schema</i> Name>	Update EBS JDBCUrl	AP Schema	RFI_ODI_TEMP Schema
	Password: <ap Schema Password></ap 			

Physical Ser	ver (Data Server)		Physical Sch	ema
RETAIL DS	User: < <i>RMS User</i> <i>Schema Name></i> Or <bdi rfi="" schema<br="">Name>(On Hybrid Cloud) Password: <<i>RMS</i> <i>User Schema</i> <i>Password></i> Or <<i>BDI</i> <i>RFI Schema</i> <i>Password></i>(On <i>Hybrid Cloud</i>)</bdi>	Update RMS Or BDI RFI (On Hybrid Cloud) JDBCUrl	RMS Schema Owner Or BDI RFI Shema Owner (On Hybrid Cloud)	RMS Schema Owner Or BDI RFI Shema Owner (On Hybrid Cloud)
RFI_LOGS	User: <orfi Schema Name> Password: <orfi< td=""><td>Update ORFI JDBCUrl</td><td>ORFI Schema</td><td>ORFI Schema</td></orfi<></orfi 	Update ORFI JDBCUrl	ORFI Schema	ORFI Schema
DEI	Schema Password>		ODEI	OPELCI
RFI_ RETAIL_	User: <orfi Schema Name></orfi 	Update ORFI JDBCUrl	ORFI Schema	ORFI Schema
XREF	Password: <orfi Schema Password></orfi 			

 Table 10–1 (Cont.) Database Connection Details - Physical Server and Physical Schema

- 1. For EBIZ DS, EBIZ_AP, provide the E-Business Suite database connection.
- 2. For RETAIL DS, provide the Retail database connection.
- **3.** For RFI_LOGS, RFI_RETAIL_XREF provide the ORFI Infrastructure database connection.
- **4.** Click **Test Connection** on the physical server to verify that the connection information is correct.
- **5.** In the physical schema, verify that the context (Global and RETL_TO_EBIZ) is mapped to the logical schemas as shown in the table below. If the mapping is missing, map the logical schemas as shown in the table below.

Figure 10–26 Verify

Ryacal In-Directore	Er Defense Casterd	
Original Original	A state of the sta	MEA BEA

Table 10–2 Logical Schema Mapping

Physical Schema	Logical Schema	
EBIZ DS.APPS	EBIZ_GL	
EBIZ_AP.AP	EBIZ_AP	

Physical Schema	Logical Schema			
RETAIL DS.RMS Or	Retail			
BDI_RFI_EDGE_SCHEMA				
(On Hybrid Cloud)				
RFI_LOGS.RFI	RFI_LOGS			
RFI_RETAIL_XREF.RFI	RFI_RETAIL_XREF			

Table 10–2 (Cont.) Logical Schema Mapping

For PeopleSoft Integration:-

In Topology, under Physical Architecture, Technologies -> Oracle, update the Database Connection details in the Physical Server and Physical schema as shown in the table below.

Physical Server	Physical Server (Data Server)			ema
Name	Definition > Connection	JDBC	Schema (Schema)	Schema (Work Schema)
PEOPLESOF T DS	DS Schema Name> PeopleSoft	PeopleSoft	SYADM Schema	RFI_ODI_TEMP Schema
	Password: <apps Schema Password></apps 	JDBCUrl		
RETAIL DS	User: <rms user<br="">Schema Name></rms>	Update RMS JDBCUrl	RMS Schema Owner	RMS Schema Owner
	Password: <rms User Schema Password></rms 			
RFI_LOGS	User: <orfi Schema Name></orfi 	Update ORFI JDBCUrl	ORFI Schema	ORFI Schema
	Password: <orfi Schema Password></orfi 			
RFI_ RETAIL_	User: <orfi Schema Name></orfi 	Update ORFI JDBCUrl	ORFI Schema	ORFI Schema
XREF	Password: <orfi Schema Password></orfi 		Central	

Table 10–3 Database Connection Details - Physical Server and Physical Schema

- 1. For PEOPLESOFT DS, provide the PeopleSoft Suite database connection.
- 2. For RETAIL DS, provide the Retail database connection.
- **3.** For RFI_LOGS, RFI_RETAIL_XREF provide the ORFI Infrastructure database connection.
- **4.** Click **Test Connection** on the physical server to verify that the connection information is correct.
- **5.** In the physical schema, verify that the context (Global and RETL_TO_PSFT) is mapped to the logical schemas as shown in the table below. If the mapping is missing, map the logical schemas as shown in the table below.

Table T0=4 Logical Sche	ата марріпд
Physical Schema	Logical Schema
PEPOPLESOFT DS.SYSADM	PeopleSoft
RETAIL DS.RMS01	Retail
RFI_LOGS.RFI01	RFI_LOGS
RFI_RETAIL_XREF.RFI01	RFI_RETAIL_XREF

Table 10–4 Logical Schema Mapping

Scenario Test

In this section, you need to do similar things to the three packages in ORFI. In this guide we only use the Migrate RMS to EBIZ Acc Entry Package / Migrate RMS to PSFT Acc Entry Package, for example.

Scenario

In ODI Topology, navigate to Physical Architecture -> Agents.

Make sure the RFI_AGENT is available and default to port 20910

Figure 10–27 Agents

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Run Agent Scheduler

The following steps are provided as guidance and can be found in ODI documentation.

These graphical UI steps will guide you for standalone ODI agent configuration, starting and testing the agent. ODI 12c agent configuration is now graphical wizard tool. The domain is similar to WLS domain.

 Navigate to <odi install directory>Oracle/Middleware/Oracle_ Home/odi/common/bin.

In Unix:

./config.sh
For Windows:

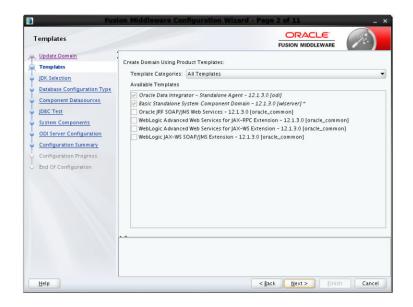
The configuration wizard pops up. Select the "Create a new domain" option.

Figure 10–28 Configuration Type Window

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Configuration Type			Ē		
🙊 Create Domain	1				
Templates					
UDK Selection					
Vode Manager					
Configuration Summary					
Configuration Progress	What do you want				
End Of Configuration	What do you want	to do?			
	Create a new de	omain			
	O Update an exis	ting domain			
	Domain Location:	>racle/Middleware/Oracle_Hom	e/user_proje	cts/domains/base_dom	main B <u>r</u> owse
	Create a new domai	in.			
				*	
Help			< <u>B</u> ack	Next > Einis	sh Cancel

2. After providing/choosing the domain location, Click Next.

Figure 10–29 Templates Window



3. Chose the first checkbox, Oracle Data Integrator-Standalone Agent -12.2.1.4.0.



Figure 10–30 JDK Selection Window

- 4. Chose the JDK path.
- **5.** Enter DBMS/Service information (not a database instance) example orcl.example.com and enter DB host name, port information.

Figure 10–31 JDBC Component Schema Window

JDBC Component Schema				-		
Update Domain Templates JDK Selection Database Configuration Type Component Datasources	Vendor: Oracle DBMS/Service: <enter serv<br="">Schema Owner: Varies am Edits to the data above will i</enter>	vice Name> H	rriver: "Oracle's D lost Name: Enter chema Password: [d rows in the table I	DB Host N Varies am	lame> Po	rt: <port></port>
JDBC Test	Component Schema	DBMS/Service	Host Name	Port	Schema Owner	Schema Passwor
System Components	✓ LocalSvcTbl Schema	<enter service<="" td=""><td><enter db="" host="" n<="" td=""><td><port></port></td><td>DEV_STB</td><td>•••••</td></enter></td></enter>	<enter db="" host="" n<="" td=""><td><port></port></td><td>DEV_STB</td><td>•••••</td></enter>	<port></port>	DEV_STB	•••••
ODI Server Configuration	ODI Master Schema	<enter service<="" td=""><td><enter db="" host="" n<="" td=""><td><port></port></td><td>odi_m_schem;</td><td>•••••</td></enter></td></enter>	<enter db="" host="" n<="" td=""><td><port></port></td><td>odi_m_schem;</td><td>•••••</td></enter>	<port></port>	odi_m_schem;	•••••
Configuration Progress		k.				

6. Enter dev_stb schema hostname, service and port information and also password, this is the services related table that would be been created using RCU. Enter similar information for ODI master schema.

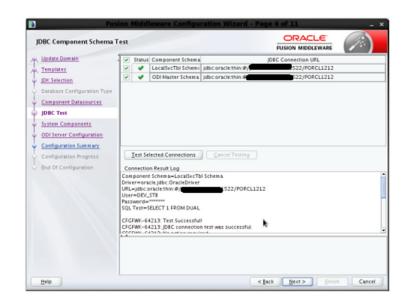


Figure 10–32 JDBC Component Schema Test Window

Figure 10–33 System Components Window

s	ystem Components				
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Y.	Database Configuration Type	RFI_AGENT	ODI 👻	3600	
Ļ	Component Datasources				
Ļ	JDBC Test				
þ	System Components				
ų	ODI Server Configuration				
Y	Configuration Summary				
Y	Configuration Progress				
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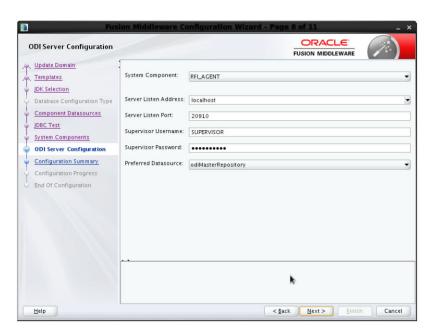


Figure 10–34 ODI Server Configuration Window

Figure 10–35 Configuration Summary Window

Configuration Summary			
Update Domain Templates JDK Selection Database Configuration Type Component Datasources JDBC Test System Components ODI Server Configuration Configuration Summary Configuration Progress End Of Configuration	View: System Components System Components Components RFLACENT	Name: Server Listen Address: Server Listen Port: Supervisor Username: Preferred Datasource:	RFL_ACENT localhost 20910 SUPERVISOR odiMasterRepositor
	Select Update to accept the above options and start e configuration before Updating the domain, go back to pane, or by using the Back button.		

To start the RFI_AGENT agent

Navigate to location where you created the odi base domain, refer to first step.<Domain home>Oracle/Middleware/Oracle_Home/user_projects/domains/base_domain/bin and type.

agent.sh -NAME=RFI_AGENT -PORT=20910
You should see:

<date and time> NOTIFICATION ODI-1111 Agent RFI_AGENT started. Agent version:

12.2.1.4.0 - date. Port: 20910. JMX Port: 22100. Do not close the window.

To test if the agent is successfully running:

Log into ODI with appropriate credentials and navigate to Topology tab. On the physical agent section, expand Agents, and click on RFI_AGENT. On the right pallet, click on 'Test' tab.

Figure 10–36 Test Tab

Image: Control of the standard Stand	πp
Agence Agenc	πp
Overview ¹	
al Contexts 🖉 - Smart Inport - Log	
[2:45:19 PW] Importing: Procedure IKM SQL Incremental Update (row by row)	
Laguage remeture [2:45:20 PH] Importing: Procedure COM SQL Laguages 2** 2:45:20 PH [Importing: Procedure COM SQL	
12:45:20 PW1 Tamorting: Scenario NTCRATE RWS TO PSET ACC ENTRY PACKAGE Version 001	
A Repositories [2:45:23 PH] Generating Report	
a Generic Action	
Messages Smart import - Master Repository Creation Wizard - Work Repository Creation Wizard -	

You should see this message.

Figure 10–37 Test Message



The following scripts are located in <ODI_INSTALL_DIR>/oracledi/agent/bin/.

You need to configure odiparams.sh script to schedule an ODI agent. This odiparams.sh script is located in <ODI_INSTALL_ DIR>/oracledi/agent/bin/odiparams.sh

1. You need to run encode.sh script to generate your password in the encoded format and this is used in odiparams.sh script.

The script takes one argument on the command line: password.

Example: prompt\$ encode <password>

2. sh encode.sh <password>

3. Modify odiparams file. Set the following lines as indicated in order to connect them to the work repository. For example:

In Windows OS (odiparams.bat),

```
set ODI_MASTER_DRIVER=oracl.jdbc.driver.OracleDriver
set ODI_MASTER_URL=<JDBC Connection URL to ODI>
set ODI_MASTER_USER=<ODI Master Schema>
set ODI_MASTER_ENCODED_PASS=<ODI Master Schema password>
set ODI_SUPERVISOR=SUPERVISOR
set ODI_SUPERVISOR_ENCODED_PASS=<ODI SUPERVISOR password>
set ODI_SECU_WORK_REP=<ODI Work Repository name>
In Linux/Unix OS (odiparams.sh),
ODI_MASTER_DRIVER=oracle.jdbc.driver.OracleDriver
ODI_MASTER_URL=<JDBC Connection URL to ODI>
ODI_MASTER_USER=<ODI Master Schema>
```

```
ODI_MASTER_ENCODED_PASS=<ODI Master Schema password>
ODI_SUPERVISOR=SUPERVISOR
ODI_SUPERVISOR_ENCODED_PASS=<ODI SUPERVISOR password>
```

- ODI_SECU_WORK_REP=<ODI Work Repository name>
- 4. Use the agent.sh script to start an agent.

Example:

prompt\$ agent "-NAME=<physical agent name>"

prompt\$ agent "-NAME=RFI_AGENT"

sh agent.sh "-NAME=<physical agent name>

You should see a message that the agent is started successfully.

5. Test the agent to ensure it is up and running. Click on the Test portion of the menu (View Schedule, Update Schedule, Test, and Generate Server Template). Agent Test Successful message should be displayed.

Generate Scheduler

- In ODI designer, navigate to Load Plans and Scenarios, and select scenario MIGRATE_RMS_TO_EBIZ_ACC_ENTRY_PACKAGE if integrating with EBS. While integrating with PeopleSoft then MIGRATE_RMS_TO_PSFT_ACC_ENTRY_ PACKAGE
- **2.** Select Existing Scheduling. Make sure the context is set to RETL_TO_EBIZ and the agent is selected as RFI_AGENT
- **3.** You need to select an Execution option based on the ORFI requirement and then save the changes.

Figure 10–38 Scheduling

0	🔥 * Defi			Definition																														
Projecta	Q • .	Execution Cycle	Scheduling [Scenario: HIGRA	TT_RHS_T	O_FRIZ_ACC_ENTR	Z_ACC_ENTRY_PACKAGE / 001]																												
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- 4. Similarly, schedule the scenarios for the other ODI Interfaces
- 5. LOAD_REIM_TO_EBS_INVOICE_ENTRY_PACKAGE if integrating with EBS. While integrating with PeopleSoft then REIM_TO_EBS_ACCOUNT_ENTRY_ DATA_MIGRATION if integrating with EBS. While integrating with PeopleSoft then
 - Load ReIM To PSFT Acct Entry PKG

Update Schedule

Go back to Topology and find your physical agent and then right-click and update the schedule.

Check

The agent runs at a predefined execution time as defined in the schedule. When it runs, you can check it in the Operator. You can also check the data in the EBS side interface tables to determine if the execution is successful and the data has been moved to the EBS interface tables.

<u>11</u>

BDI Application Installation Tasks

BDI Cloud Support

As part of hybrid/all cloud integration between retail applications and Financial system (EBS/CFIN), the retail applications are on cloud and EBS setup is on-premise. Also both applications - retail and CFIN could present in cloud. The Oracle Retail Financial Integration (RFI) layer serves as an intermediate thin layer of application between the financial application (EBS/CFIN) and Oracle Retail. This integration remains synchronized with the new releases of the edge applications.

The integration mainly depends on the participating application whether it's an on-prem or cloud solution that decides which deployment topology to be followed.

There are three different types' of integration deployment topologies.

- On-Premise Deployment Topology
- Hybrid Cloud Deployment Topology
- All Cloud Topology

This section mainly talks about Hybrid/all cloud architecture and its implementation in detail.

On-Premises Deployment Topology

On-premises solutions (on-prem) are deployed in the traditional manner. Servers are acquired, operating systems are installed, other hardware may be involved, but all of that lives within the walls of datacenter.

- Both Retail Applications and Financial Applications (EBS/PeopleSoft) should be on premise solutions.
- Data flow is bidirectional.
- Both Service-based integration and ETL-based integration works fine

Hybrid Cloud Deployment Topology

Hybrid cloud deployment provides computing environment which uses a mix of onpremises and cloud services with orchestration between the two platforms. By allowing workloads to move between two platforms as computing needs and costs change, hybrid cloud gives businesses greater flexibility and more data deployment options.

 Retail Applications (i.e. RMS/ReIM) are on cloud and Financial Applications (EBS/PeopleSoft) are on premise. • Only Service-based integration works fine and there is a little modification in existing ETL-based integration to work in hybrid cloud.

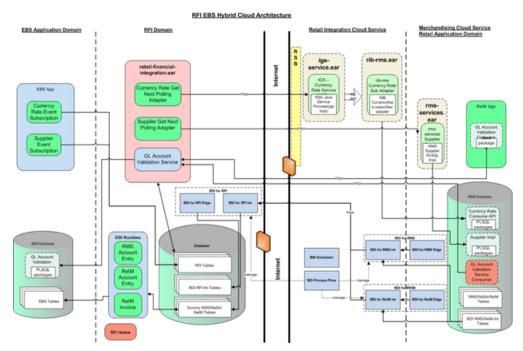


Figure 11–1 RFI EBS Hybrid Cloud Architecture

All Cloud Deployment Topology

All cloud deployment provides computing environment which uses cloud services with orchestration between multiple cloud services. Complete cloud service provide more flexibility and scalability for all the connecting applications.

- Retail Applications (i.e. RMS/ReIM) are on cloud and Financial Applications (CFIN) is on cloud too.
- Only Service-based integration works fine.
- Topology for this setup is similar to Hybrid one but RFI and CFIN would be in different cloud and will talk through each other via services.

Applications to be installed	Hybrid Topology	On-Premise Topology	All Cloud Topology
RMS-EDGE	Required	N/A	Required
BDI-RFI	Required	N/A	Required
BDI-PROCESSFLOW	Required	N/A	Required
BDI-SCHEDULER	Optional	N/A	Optional
ODI	Required	Required	N/A
RFI	Required	Required	Required
EBS	Required	Required	N/A
CFIN	N/A	N/A	Required
RIB, RIB-RMS	Required	Required	Required

	Table	11–1
--	-------	------

Rms-edge is a sender side app to be installed in the retail cloud. Bdi-rfi is the receiver side app to be installed on premise environment like RFI and EBS.

Prerequisites

Rms-Edge-App: Please refer to RMS 21.0.000 install guide and create a RMS environment that includes BdiEdgeAppJobAdminPakForRms.

The app can be deployed in any domain but it is recommended to deploy it in the existing RMS domain with separate managed server.

Deploying BDI RFI Batch Job Admin

Preparing the Database for BDI RFI Batch Job Admin Installation

Before you begin installing BDI RFI Batch Job Admin, make sure you have the database schema created for BDI RFI Batch Job Admin.

Please follow the below naming convention during schema creation for BDI RFI or use RFI app schema.

Example, BDI_RFI_EDGE_SCHEMA

Preparing the WebLogic Domain for BDI Batch Job Admin for RFI

1. Assuming that WebLogic 12.2.1.4.0 and JRF domain are installed as part of ORFI installation.

Deploying BDI RFI Batch Job Admin on the WebLogic

To deploy the BDI RFI Batch Job Admin war, take the following steps.

- Download BdiEdgeJobAdminPak21.0.000ForRfi21.0.000_eng_ga.zip to \$BDI_ HOME.
- **2.** Unzip the downloaded archive. The BDI Job home directory will be created under the current directory.

Unzip BdiEdgeJobAdminPak21.0.000ForRfi21.0.000_eng_ga.zip.

3. Edit bdi-job-admin-deployment-env-info.json as follows:

```
cd bdi-edge-rfi-job-home/conf
vi bdi-job-admin-deployment-env-info.json
```

4. Provide the following values in the JSON file.

Table 11–2

Configuration Property	Description	
BdiRfiJobAdminDataSource ->jdbcUrl	The JDBC URL for the Oracle database where the RFI Retail Proxy schema resides.	
	Suggested schema user BDI_RFI_EDGE_ SCHEMA	
BdiRfiReceiverServiceDataSource -> jdbcUrl	The JDBC URL for the Oracle database where the RFI Retail Proxy schema resides.	

Table 11–2	(Cont.)
------------	---------

Configuration Property	Description	
BatchInfraDataSource -> jdbcUrl	The JDBC URL for the schema created using RCU. The schema user is <prefix>_ WLS (e.g. INT_WLS). The value of prefix that you provided in schema creation using RCU.</prefix>	
JobAdminAppServer -> weblogicDomainName	The domain name where BDI RFI Admin app is deployed	
JobAdminAppServer -> weblogicDomainHome	The domain home directory of WebLogic where BDI RFI Admin app is deployed	
JobAdminAppServer -> weblogicDomainAdminServerUrl	Admin Server URL of the BDI RFI Admin App - http:// <admin host="">:<admin port=""></admin></admin>	
JobAdminAppServer->weblogicDomainA dminServerProtocol	AdminServer protocol which is by default t3, For SSL deployment update to t3s.	
JobAdminAppServer -> weblogicDomainAdminServerHost	Host Name of the BDI RFI Admin Server	
JobAdminAppServer -> weblogicDomainAdminServerPort	BDI RFI Admin Server Port	
JobAdminAppServer -> weblogicDomainTargetManagedServerNa me	Managed Server Name where BDI RFI Admin App is installed (e.g.	
	bdi-rfi-server)	
JobAdminAppServer -> jobAdminUiUrl	Job Admin URL of BDI RFI	
	http:// <host>:<bdi managed="" rfi="" server<br="">port>/bdi-rfi-batch-job-admin</bdi></host>	
RmsJobAdminAppServer -> jobAdminUiUrl	Job Admin URL of BDI RMS	
	http:// <host>:<rms edge="" managed="" server<br="">port>/rms-batch-job-admin</rms></host>	
SystemOptions->Name	Name of the odi domain home	
	SystemOptions ->ValueReplace with local odi_domain_home directory	

5. Run the deployer script to create the data sources and deploy BDI RFI Batch Job Admin.

```
cd bdi-edge-rfi-job-home/bin
bdi-job-admin-deployer.sh -setup-credentials -deploy-job-admin-app
```

6. Enter the values prompted by the script for the following credential aliases. JobAdmin user has more privileges (e.g. change configuration and run jobs from JobAdmin UI) than JobOperator user. JobOperator can run batch jobs where as JobMonitor has just read privileges.

Alias	Description
bdiAppServerAdminServerUserAlias	WebLogic admin server credentials
bdiJobAdminUiUserAlias	Credentials for Admin Role user for Job Admin app
bdiJobOperatorUiUserAlias	Credentials for Operator Role user for Job Admin app

Alias	Description
bdiJobMonitorUiUserAlias	Credentials for Monitor Role user for Job Admin app
bdiJobAdminDataSourceUserAlias	Credentials for the Data Source of the Job Admin Schema
bdiRfiReceiverServiceDataSourceUserAlias	Credentials for the Data Source of the Job Receiver Schema
batchInfraDataSourceUserAlias	Credentials for the Data Source of the Batch Infra Schema
rmsJobAdminBaseUrlUserAlias	RMS edge job admin app credentials

Table 11–3 (Cont.)

Note: The alias names in the configuration files should not be changed.

- 7. Deployer script deploys BDI RFI Batch Job Admin to the server.
- 8. Restrict access to the bdi-int-rfi-job-home folder:

cd bdi-edge-rfi-job-home chmod -R 700 .

Creating Inbound Interface tables for BDI RFI

- 1. Go to \$BDI_HOME/bdi-edge-rfi-job-home/setup-data/ddl folder.
- 2. Run the sql script bdi_rfi_ddl.sql provided in this folder in the BDI RFI database schema.
- **3.** DDL generates the necessary retail and inbound interface tables along with the database packages for RFI.

Deploying BDI Process Flow

Preparing the Database for Process Flow Installation

Before you begin installing Process Flow App, make sure you have the database schema created for Process Flow.

Please follow the below naming convention during schema creation for process flow.

Example, BDI_PROCESS_INT_SCHEMA

Install the Process Flow Application

Perform the following procedure to install the Process Flow application:

- 1. Download the process flow archive BdiProcessFlow22.0.000ForAll22.x.xApps_eng_ga.zip
- **2.** Unzip the downloaded archive. The Process Home directory will be created under the current directory.

unzip BdiProcessFlow22.0.000ForAll22.x.xApps_eng_ga.zip

3. Modify process flow configuration file (conf/bdi-process-flow-admin-deployment-env-info.json) to match the deployment environment. While you can change many values to match your requirements, here is a table of a minimum set of configuration values that you need to modify for process flow application.

Note: The alias names in the configuration files should not be changed.

Table 11–4

Configuration Field	Description	
ProcessFlowAdminDataSource ->jdbcUrl	JDBC URL for the process flow schema. Change this value to match the environment.	
	Suggested schema user BDI_PROCESS_INT_ SCHEMA	
ProcessFlowAdminAppServer	Name of the WebLogic domain where the	
->weblogicDomainName	process flow application is deployed	
ProcessFlowAdminAppServer	WebLogic Domain home directory	
->weblogicDomainHome		
ProcessFlowAdminAppServer- > weblogicDomainProtocol	WebLogic admin server protocol is by default t3, if SSL configured then update to t3s.	
ProcessFlowAdminAppServer	WebLogic Admin server URL	
->weblogicDomainAdminServerUrl		
ProcessFlowAdminAppServer	Host name of WebLogic Admin Server	
->weblogicDomainAdminServerHost		
ProcessFlowAdminAppServer	WebLogic admin server port	
->weblogicDomainAdminServerPort		
ProcessFlowAdminAppServer	Managed Server name where Process Flow is	
->weblogicDomainTargetManagedServerNam e	hosted	
ProcessFlowAdminAppServer	Process Flow admin app URL. Update only the host and port	
->processFlowAdminUiUrl		
SimJobAdminAppServer ->jobAdminUiUrl	BDI SIM app job admin URL	
SimAppJobAdminAppServer->jobAdminUiU rl	BDI SIM job admin URL	
OcdsAppJobAdminAppServer->jobAdminUi Url	BDI Ocds job admin URL	
RpasAppJobAdminAppServer->jobAdminUi Url	BDI Rpas job admin URL	
RfiJobAdminAppServer>jobAdminUiUrl	BDI RFI job admin URL	
ExternalAppJobAdminServer->BDI External job admin URL jobAdminUiUrl	BDI External job admin URL	
RmsAppJobAdminAppServer -> jobAdminUiUrl	RMS APP job admin URL	

4. Determine which flows are in scope for your deployment. Copy the flows from bdi-process-home/setup-data/dsl/available_process_flow_options to bdi-process-home/setup-data/dsl/flows-in-scope.

For example, for integration between RMS and RFI, the rms_rfi-no_split_Flows files would be copied:

cp bdi-process-home/setup-data/dsl/available_process_flow_options/rms_ rfi-no-split-flows/* bdi-process-home/setup-data/dsl/flows-in-scope/.

5. Run the deployer. Make sure that the WebLogic server is running before issuing the following command.

```
cd bin
bdi-process-flow-admin-deployer.sh -setup-credentials
-deploy-process-flow-admin-app
```

The process flow deployer will prompt for username and password for the following credential aliases:

Alias	Description
bdiAppServerAdminServerUserAlias	WebLogic admin server credentials
processFlowAdminBaseUrlUserAlias	Credentials for Admin Role user for Process Flow Admin app
processFlowOperatorBaseUrlUserAlias	Credentials for Operator Role user for Process Flow Admin app
processFlowMonitorBaseUrlUserAlias	Credentials for Monitor Role user for Process Flow Admin app
bdiProcessFlowAdminDataSourceUserAlias	Credentials for the Data Source of the Process Flow Schema
rfiJobAdminBaseUrlUserAlias	BDI RFI job admin app credentials
rmsappJobAdminBaseUrlUserAlias	RMS APP job admin credentials
simJobAdminBaseUrlUserAlias	SIM job admin app credentials
simAppJobAdminBaseUrlUserAlias	SIM app job admin app credentials
ocdsAppJobAdminBaseUrlUserAlias	OCDS app job admin app credentials
external AppJobAdmin Base Url User Alias	EXTERNAL app job admin app credentials
rpasAppJobAdminBaseUrlUserAlias	RPAS APP job admin credentials

Table 11–5

- 6. Make sure the deployment step shows deployment success message at the end.
- 7. Restrict access to the bdi-process-home folder:

cd bdi-process-home chmod -R 700 .

See the Oracle Retail Bulk Data Integration Implementation Guide for the operation details of the Process Flow application.

Enabling Email Notification Alerts

Process Flow can send email alerts upon success or failure of process executions as specified in the process definitions.

Follow the instructions in the *BDI Installation Guide* to configure email notification alerts.

Deploying BDI Batch Scheduler

BDI Batch Scheduler Installation

Use the instructions provided in the document BDI Installation Guide to install bdi batch scheduler.

A

Appendix: Troubleshooting PeopleSoft Services

This section provides few guidelines around few issues one might encounter while configuring PeopleSoft services to integrate with ORFI

Note: These are broad guidelines. If problem persists then get a PeopleSoft administrator should validate the installation and service availability.

Error - Building the Project Objects

If you encounter either of the below mentioned errors while building the PeopleSoft project objects, try This section provides guidelines around few issues one might encounter while configuring PeopleSoft services to integrate with ORFI

Issue:

Open file operation failed. <FilePath>\PSBUILD.LOG

Build Scope	Build		
RFI_COMM_WRK RFI_WS_SEC_TBL	Cancel	plication Designer Open Re operation failed for Re C:VUsers\pittuser	
	Circate Indexes Circate Views Atter Tables Circate Trigger	VAppDataVLoca/Temp1/PSBUILD LOG (76.2)	+
	Build Execute Options		
	Build script file Execute SQL now Execute and build script		

Figure A–1 Build

Resolution:

Ensure to set the valid path for the log file shown in the above screen. Below screen shot shows how to change and validate the log file path.

Figure A–2 Log File Path

huld	13	Build Settings	
Build Scope RFL COMM, WRIK RFL, WS_SEC_TBL Build Cancel Settings Build Options Consto Views Consto Indexes Consto Views Alter Tables Downer Trager Build Execute SQL now Execute SQL now Execute SQL now Execute SQL now Execute SQL now Execute and build scept	Create Aiter Logging Scripts Logging Level Fatal encors and warnings Fatal encors, warnings and informational messages Logging Output Log to output window Log to file Log 16 file Log 16 file		
	Execute and build script	OK	Cancel

Issue:

Open file operation failed. <FilePath>\PSBUILD.SQL

Figure A–3 Operation Failed

Build Scope	Build		
RFLCDMM WRX, RFLWS_SEC_TBL	Cancel Settings Build Options Create Tables Create Indexes Create Vervis After Tables Create Trigger Build Execute Options	Application Designer Open file operation failed for file C-Wisen/polluser VepD/ata/Local/Temp121/PSBUILD SQL (76.2) OK Explain	
	Build script Ne Execute SQL now Execute and build script		

Resolution:

Ensure to set a valid Set a valid path for the SQL file in Scripts tab. Check the below screen shot

huild	12	Build Settings		
Build Scope RFI_CONM_WRK RFI_WS_SEC_TBL	Build Options Cancel Settings Cancel Cance	Deste Alter Logging Script Comments Write Alter comments to script Script File Options Output to single file Dutput to separate files Script File Names All Output File Name: CNUser	Script File Save as Unicode File Overwrite Options Adways overwrite Phompt for each overwrite Uptifluseri ApgOata'Local'.Terr	

Figure A–4 Scripts Tab

Issue:

PeopleSoft service is not able to deliver messages to RFI. The system will throw an error message:

"Integration Gateway - HttpTargetConnector:ExternalApplicationException. Http status code HttpStatusCode returned : 500. (158,10623) RFI_INT_AP.RFI_ WEBSERVICE_AP.RFI_WEBSERVICE_AC.OnExecute Name:RFI_Meth_InitRequest PCPC:8443 Statement:111...."

Resolution:

Follow the below mentioned steps and screen prints:

- 1. Check the Target system is up and running (ORFI is the Target system)
- 2. Validate the Primary URL value of the Target system in PeopleSoft :-

Navigation: Main Menu -> PeopleTools -> Integration Broker -> Integration Setup -> Service Operation

Note: Routing parameter value needs to be checked for respective Service Operation. Below are list of Service operations used with ORFI. Please note these are not exact names of the service operation.

- Vendor
- Payment Terms
- Currency Rate
- COMBO CF Edit Request
- DrillForwardBackward Service

The screenshots below show navigation for Vendor Service. Similar look up needs to be done for the service which has issue

Navigation: Main Menu ->PeopleTools -> Integration Broker -> Integration Setup -> Services

Search for service - SUPPLIERBUSINESSEVENTHANDLERSE and click on Service Link.

Figure A–5 Services

Favorites - Main Menu - > Peo	pleTools +> Integration Broker +	Integration S	etup - Service	8
DRACLE				Home W
Services - Search				
T Search Criteria				
Service	SUE	14	Add a New Value	
Search	REST Service			
Services	Personalize			rst 🗄 1 of 1 🖗 Last
Service	Service Alias	Object Owner ID	Description	
SUPPLIERBUSINESSEVENTHANDLERSE	SupplierBusinessEventHandlerService		SUPPLIERBUSINE	SSEVENTHANDLERSE

3. On the Service Definition page, click the Service Operation link to open Service Operation

Figure A–6 Service Operation

General Handlers Routings		
Service Operation Operation Type	HANDLEBUSINESSEVENT Synchronous	
*Operation Description Operation Comments	HANDLEBUSINESSEVENT	User/Password Required *Reg Verification
Owner ID		
Operation Alias	handleBusinessEvent	Used with Think Time Methods
Default Service Operation Version		
"Version	8	Petault Active
Version Description	HANDLEBUSINESSEVENT	Routing Status
Version Comments	DO NOT REMOVE **	Ann to Large Dasa activity

4. Click the Routings tab.

Figure A–7 Routings

RACL	Æ							
eard 1 9	riandhira Rowitings							
	Sanvise Operation	HARLES ARESS	0.4947					
	Default Version	17						
		1 M M						
		Ditter Exception						
	in the second seco	The upper encludion	status la applicativa lova	Far callound indep	simplifie determined. #	a shi kati kati ka	trg Ge 14 determinal tha	n the vase' anciegtion, also an
		This year anisphon actual coulog wit be			simul te determine ti d	a and internet the	mg Ger Se delarronal fra	n the yaar anception induce of
Evenue D	Rooting Rame	This year anisphon actual coulog wit be		Far sitioand roding	Linnel be determined. If	a sahij kuti kuni mu		
Reading De		This year anisphon actual coulog wit be			Linnel in defermined. If	Percendo Record	nij (er te biernnet he e) fied (tier hi (\overline{O}) (\overline{D}	
Rading De		The university of the actual set of the terms of the set of the se	vent	AM	Lensi te delerranel. F Baseren Role WIDL_NODE		<) Fiel (Standard (27) (28)	Pres A Col CAL Las

5. Click the routing definition link. Look up the highlighted square in the above screen shot. This should open a pop-up window

Service Operations HoryCLERUDIEEEE/CPUT Default (version: YT) ID (they Exception Mile: They are societion table in summaries on it is a administration admin to the societion Manage Defaulteers Among Tables Manage Californian Among Tables Among Tables Among Tables Among Tables	Servic Service Opens	Protecting Content andreg larme - 407-04102 on Operations - 1447-04102 on Operations - 144 Generation 0 - 411141 - 41-02 elements Biolitic Constanting	shidata Shidatavitvit	ng Properties 19, 19, 29, 2007 F. M. of K. F. Lan
Purchase Eventer Routings Advance Evented Routings	Property ID	Property Same	Value	
Tant Rotart to Service	HEADER	Content Type	Inducti	9, 31 3
	HE-DEH	and/normerseal		A, 187 G
(Wirldwi) (Rodinge	HTTPHOPERTY	Method	Post	(a, 38) G
	HITTPROPERTY	SOAPUpContent 1		10, (±1 (±

Figure A–8 Routing Definition

6. Click on the "Connector properties" tab and validate the WSDL /Target URL reference given against "Primary URL". This should be pointing to service that is being invoked in RFI. If this is different, then Change the URL to point to the one configured in RFI. Save the changes by pressing "Save" button.

Issue:

Messages are not published to Retail from PSFT.

Resolution:

Check the status of the Domain to be active. The same can be verified by following below screen shots:-

ORAC	LE							
Domain	Status							
Domain Cr	teria							
P Refre	wge Domain sh	Status Update		Grace Period for all Domains (Minutes)		Fallover Dis-	abled .	
Domains				Persona	alize (Find View A	a) 🖾 🔛	First
Failover Group	Failover Priority	Machine I	iame	Application Server Path		Domain Status	Grace Period	Slave In
		msp5222	9	/u00/oracle/product/PT8.53/ps.cfghome/appserv/fscm	dmo	Active •		1
Dispatcher	Status			Personalize Find (2) 1	Fin	st 1-3 of 3	Last	
Machine Nar	ne Dispa	tcher Name	Applic		tus St	ring Date/Tim	e Stamp	
msp52229	PSBF	RKDSP_dflt	/100/0	racle/product/PT8.53/psclphome/appserv/fscmdmo_ACT	Ē.			
msp52229	PSPL	JBOSP_aft	/u00/or	racle/product/PT8.53/pscfghome/appserv/fscmdmo_ACT	F. (
msp52229	0001	JBOSP_dft	0.00/24	ide/product/PT8.53/psclphome/appservifscmdmo_ACT				

Figure A–9 Domain Status

Issue:

Invalid Business Unit error while creating Supplier in PeopleSoft. The system will throw a validation message "Operator Business Unit - XXX is not a AP Business Unit" if the Business Unit assigned to the user is not a Accounts Payable Business Unit.

Figure A–10 Error Message

Panitas+	Man Marai + 1 Supp	inta = > Despire take	matum = > Annihiptana =	Support.	
ORAC	LE				
(Brines)	Spectfying Millernation		Lauren Gammi		
		Transatt		*Supplier Narve Adubtional Narve	Raders Tool, Inc. Sa11
	*Expeller Short liame		Instearoos.eet		Wetendating Monoral fact Ordering
	*Clessification NCM Clene		:		D VKT Registration Supplier Audit (Datast •
	Parasterica Supplier Status		•		Tappier Auth
	and the second second	Appen	-	Message	
			EquetAl	100000000000000000000000000000000000000	US001 is not a AP Business Unit
Depter.	Relationshipe			Oberativ, Entimets rug-	U0001 is rull a AP Business Unit
	Corporato Setti			The PergleCode proprie	n executed an Erviv statement, which has produced this measage
	Corporate Suppley 41	promon2	Borbers Toos, No.		Design Discourses
Daata B	di To Custonal				
		Create Bill To Cavilla	mar		

Resolution:

Check the default business unit assigned to the current user by following below mentioned steps.

Navigation: Main Menu -> SetUp Financials/Supply Chain -> Common Definitions -> User Preferences -> Define User Preferences

1. Click on Overall Preferences to open the preferences assigned to the user as shown in the below screen shot:-

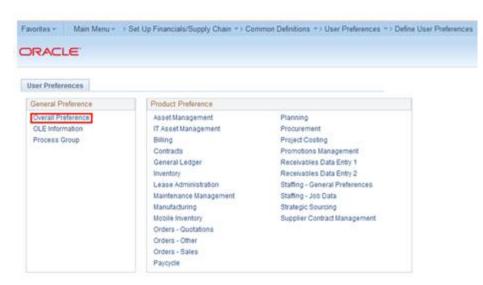


Figure A–11 Define User Preferences

2. Verify the Business Unit assigned to the user is defined as a Payable Business Unit. If not, make a business decision like whether to add the Business Unit or change the Business unit of the user.

Navigation: Main Menu -> Set up Finance / Supply Chain -> Business Unit Related -> Payables -> Payables Definition

Figure A–12 Payables Definition

Favorites - Main Menu - > Set Up Financials/Supply	y Chain \Rightarrow Business Unit Related \Rightarrow Payables \Rightarrow F	Payables Definition
Payables Definition Enter any information you have and click Search. Leave fields Find an Existing Value Add a New Value	blank for a list of all values.	
Search Criteria	Look Up Business Unit Business Unit: begins with US001 Description: begins with	×
Search Clear Basic Search Search Cr	Look Up Clear Cancel Basic Lookup Search Results	
Find an Existing Value Add a New Value	View 100 First () 1 of 1 () Last Business Unit Description US001 US001 NEW YORK OPERATIONS	

Appendix: JSON in Tabular Format

Table B–1 Legend

Grey: No editable configuration

White: Needs update.

Table B–2	EBS – J	SON Confi	guration
-----------	---------	-----------	----------

RFI Configuration Property Name	Description	Example Value/Default Value	Value Editable?
RfiDeploymentEnvInfo			
integrationToEbsOrPsft OrCfin		EBS	N
DataSourceDef			
EbsDataSource	EBS database connection details		
dataSourceName	Name of the datasource that the installer creates to connect to EBS	EbsDataSource	N
dataSourceClass	DataSource class the installer will configure for the data source	oracle.jdbc.xa.client.OracleXADat aSource	N
dataSourceJndiName	JNDI Name used by the RFI application to connect to the database	jdbc/EbsDataSource	N
jdbcUrl	EBS JDBC connection URL. Specify the connection URL for your EBS installation.	jdbc:oracle:thin:@//ebsdbhost.ex ample.com:1521/orcl	Y
jdbcUserAlias	EBS user name alias. Do not change the default value.	ebsDataSourceUserAlias	N
jdbcUser	User (schema name) for the EBS database.	GET_FROM_WALLET	N
jdbcPassword	Password for the EBS database.	GET_FROM_WALLET	N
RmsDataSource	RMS database connection details		
dataSourceName	Name of the datasource that the installer creates to connect to RMS database	RmsDataSource	N
dataSourceClass	DataSource class the installer will configure for the data source	oracle.jdbc.OracleDriver	N

RFI Configuration Property Name	Description	Example Value/Default Value	Value Editable?
dataSourceJndiName	JNDI name used by the RFI application to connect to the AQ database	jdbc/RmsDataSource	Ν
jdbcUrl	RMS JDBC connection URL. Specify the connection URL for RMS DB.	jdbc:oracle:thin:@//rmsdbhost.ex ample.com:1521/orcl	Y
jdbcUserAlias	User name alias. Do not change the default value.	rmsDataSourceUserAlias	Ν
jdbcUser	User (schema name) for the RMS database.	GET_FROM_WALLET	Ν
jdbcPassword	Password for the RMS database.	GET_FROM_WALLET	N
RfiDataSource	RFI database connection details		
dataSourceName	Name of the datasource that the installer creates to connect to RFI database.	RfiDataSource	N
dataSourceClass	DataSource class the installer will configure for the data source	oracle.jdbc.xa.client.OracleXADat aSource	N
dataSourceJndiName	JNDI name used by the RFI application to connect to the AQ database	jdbc/RfiDataSource	N
jdbcUrl	RFI JDBC connection URL. Please specify the connection URL for your RFI DB.	jdbc:oracle:thin:@//rfidbhost.exa mple.com:1521/orcl	Y
jdbcUserAlias	User name alias. Do not change the default value.	rfiDataSourceUserAlias	Ν
jdbcUser	User (schema name) for the RFI database.	GET_FROM_WALLET	N
jdbcPassword	Password for the RFI database.	GET_FROM_WALLET	N
OdiMasterDataSource	ODI Master Repository database co	onnection details	
dataSourceName	ODI database's data source name used to identify the data source to ODBC.	OdiMasterDataSource	N
dataSourceClass	DataSource class that the installer will use to configure the data source	oracle.jdbc.OracleDriver	N
dataSourceJndiName	JNDI name used by the RFI application to connect to the database	jdbc/OdiMasterDataSource	N
jdbcUrl	ODI JDBC connection URL	jdbc:oracle:thin:@//odimasterhos tname.us.custom.com:1521/plgd b	Y
jdbcUserAlias	Jdbc user name alias. Do not change the default value.	odiMasterDataSourceUserAlias	N
jdbcUser	User (schema name) for the ODI master repository database.	GET_FROM_WALLET	N
jdbcPassword	Password for the ODI master repository database.	GET_FROM_WALLET	N

 Table B-2
 (Cont.)
 EBS - JSON Configuration

RFI Configuration Property Name	Description	Example Value/Default Value	Value Editable?
OdiWorkDataSource	ODI work repository database con	nection details	1
dataSourceName	Data source name used to identify ODI work database Do not change the default value.	OdiWorkDataSource	N
dataSourceClass	Datasource class. Do not change the default value.	oracle.jdbc.OracleDriver	N
dataSourceJndiName	JNDI name, in case JNDI is used for connection. Do not change the default value.	jdbc/OdiWorkDataSource	N
jdbcUrl	ODI JDBC connection URL.	jdbc:oracle:thin:@//odiworkhost name.us.custom.com:1521/plgdb	Y
jdbcUserAlias	JDBC user name alias for work repository schema. Do not change the default value.	odiWorkDataSourceUserAlias	N
jdbcUser	DB user name for the ODI work repository schema.	GET_FROM_WALLET	N
jdbcPassword	Password for the ODI ODI work repository schema.	GET_FROM_WALLET	N
OdiStagingAreaDataSou rce	ODI Staging Area database connec	tion details	
dataSourceName	ODI staging database connection details. It is recommended to have the ODI staging schema (RFI_ODI_TEMP) in the EBS or PeopleSoft database.	OdiStagingAreaDataSource	N
dataSourceClass	ODI staging datasource class. Do not change the default.	oracle.jdbc.OracleDriver	N
dataSourceJndiName	ODI staging JNDI name. Do not change the default value.	jdbc/OdiStagingAreaDataSource	N
jdbcUrl	ODI RFI staging area JDBC connection URL.	jdbc:oracle:thin:@//odistagingho stname.us.custom.com:1521/plgd b	Y
jdbcUserAlias	JDBC user name alias for staging repository. Do not change the defaults.	odiStagingAreaDataSourceUserA lias	N
jdbcUser	DB User name for the ODI Staging Area schema.	GET_FROM_WALLET	N
jdbcPassword	Password for the ODI Staging Area schema.	GET_FROM_WALLET	N
MiddlewareServerDef			
RfiAppServer	RfiAppServer- WebLogic domain configuration details		
weblogicDomainName	RfiAppServer configuration, WebLogic domain name	RFIDomain	Y
weblogicDomainHome	RFI domain home.	<wls-home>/user_ projects/domains/RFIDomain</wls-home>	Y
weblogicDomainAdmin ServerUrl	WebLogic domain admin server URL.	t3://rfiserver.example.com:19301	Y

Table B–2 (Cont.) EBS – JSON Configuration

FI Configuration						
Property Name	Description	Example Value/Default Value	Value Editable?			
weblogicDomainAdmin ServerProtocol	WebLogic admin server protocol.	t3	N			
weblogicDomainAdmin ServerHost	Weblogic server host name.	rfiserver.example.com	Y			
weblogicDomainAdmin ServerPort	Port information of weblogic server.	19301	Y			
weblogicDomainAdmin ServerUserAlias	Weblogic server User name alias.	rfiAppServerAdminServerUserAl ias	N			
weblogicDomainTarget ManagedServerName	Weblogic Domain Target Managed Server name.	rfi-server	Y			
glAccountValidationSer viceEndPointUrl	End point URL for GL account validation Service without RSB configuration.	http://myhostname:7001/GlAcc ountValidationBean/GlAccountV alidationService?WSDL	Y			
glAccountValidationSer viceEndPointUserAlias	User alias information for GL account validation service. Do not change the default value.	glAccountValidationServiceEndP ointUserAlias	N			
glAccountValidationSer viceEndPointUser	End point User name.	GET_FROM_WALLET	N			
glAccountValidationSer viceEndPointPassword	End point User password.	GET_FROM_WALLET	N			
glAccountValidationSer viceEndPointSecurityPol icyName	Security policy for the service. Valid values are PolicyA, PolicyB and unsecure.(Note: Use https for Policy A setting)	unsecure	Y			
rfiAdminUiUrl	URL for RFI Admin UI.	http://myhostname:7001/retail-f inancial-integration-web	Y			
rfiAdminUiUserGroup	Admin user group. Do not change the default value.	RfiAdminGroup	N			
rfiAdminUiUserAlias	RFI admin UI user name alias. Do not change the default value.	rfiAdminUiUserAlias	N			
rfiAdminUiUser	RFI admin UI user name.	GET_FROM_WALLET	N			
rfiAdminUiPassword	End point user password.	GET_FROM_WALLET	N			
smtpServerHost	RFI SMTP (Simple Mail Transfer Protocol) server host information.	smtp.example.com	Y			
smtpServerPort	RFI SMTP server port information.	465	Y			
smtpServerListenerType	RFI SMTP server listener type (for example, SSL or TSL).	SSL	N			
smtpAuthenticationReq uired	Enter "TRUE" if authentication required for SMTP server, else "FALSE".	TRUE	Y			
smtpMailFromAddress	Enter the sender email Address.	sender_email_ address@example.com	Υ			

 Table B-2
 (Cont.)
 EBS – JSON Configuration

RFI Configuration Property Name	Description	Example Value/Default Value	Value Editable?
smtpMailFromAddress Alias	Alias for From Address. Do not change the default value.	smtpMailFromAddressAlias	N
smtpMailFromAddressP assword	Password for the from email address.	GET_FROM_WALLET	Ν
smtpMailToAddressList	Comma seperated list of receipient email addresses.	receiver_email_address@abc.com, receiver_email_ address2@abc.com	Y
IgsAppServer	RFI Integrated Gateway Services detail for Currency Rate service		
currencyRateServiceEnd PointUrl	IGS Currency Rate endpoint URL (if no RSB is configured).	http://igshostname:19201/CurR atePublishingBean/CurRatePubli shingService?wsdl	Y
	IGS Currency Rate endpoint URL (If RSB is configured).	http://igshostname:19201/igs-C urRatePublishing-AppServiceDec orator/ProxyService/CurRatePu blishingAppServiceProxy?wsdl	Y
currencyRateServiceEnd PointUserAlias	Alias for Currency Rate service End point User Alias. Do not change default value.	currencyRateServiceEndPointUse rAlias	Ν
currencyRateServiceEnd PointUser	UserName for Currency Rate service.	GET_FROM_WALLET	N
currencyRateServiceEnd PointPassword	Password for Currency Rate service.	GET_FROM_WALLET	N
currencyRateServiceEnd PointSecurityPolicyNam e	Security policy for the service. Valid values are PolicyA, PolicyB and unsecure.	unsecure	Y
	(Note: Use https for Policy A setting)		
currencyRateServiceEnd PointPolicyBSecurityPoli cy.wsKeystorePassword UserAlias	WSKeyStore Password User Alias for Currency Rate service End point PolicyB.	currencyRate#keystore-password -user-alias	Ν
currencyRateServiceEnd PointPolicyBSecurityPoli cy.wsKeyPublicPrivateK eyAlias	WSKeyPublicPrivateKey Alias forCurrency Rate service End point User PolicyB.	currencyRate#remote-host-public -private-key-alias	N
RmsAppServer	RFI Integrated Gateway Services detail for Supplier service		
supplierServiceEndPoint Url	Supplier service endpoint URL information (with no RSB).	http://rmshostname.example.co m:19203/SupplierBean/Supplier Service?WSDL	Y
	Supplier service endpoint URL (with RSB).	http://rmshostname.example.co m:19203/rms-Supplier-AppServic eDecorator/ProxyService/Suppli erAppServiceProxy?wsdl	Y
supplierServiceEndPoint UserAlias	Alias for Supplier service. Do not change the default.	supplierServiceEndPointUserAlia s	N
supplierServiceEndPoint User	UserName for Supplier Service End point User.	GET_FROM_WALLET	N

Table B–2 (Cont.) EBS – JSON Configuration

RFI Configuration Property Name	Description	Example Value/Default Value	Value Editable?
supplierServiceEndPoint Password	Password for Supplier service.	GET_FROM_WALLET	N
supplierServiceEndPoint SecurityPolicyName	Security policy for the service. Valid values are PolicyA, PolicyB and unsecure. (Note: Use https for Policy A setting)	unsecure	Y
supplierServiceEndPoint PolicyBSecurityPolicy.w sKeystorePasswordUser Alias	WSKeyStore Password User Alias for Supplier Service End point User Alias.	supplier#keystore-password-user -alias	N
supplierServiceEndPoint PolicyBSecurityPolicy.w sKeyPublicPrivateKeyAl ias	WSKeyPublicPrivateKey Alias for Supplier Service End point User Alias.	supplier#remote-host-public-priv ate-key-alias	N
EbsAppServer	EBS App Server Configuration Details		
ebsInstanceJavaTopLoca tion	EBS server \$JAVA_TOP folder path.Note: If EBS is installed on Oracle Application Server substitute the corresponding OAS/oc4j information instead of WebLogic server information	/u01/applmgr/apps/apps_ st/comn/java/classes	Y
weblogicDomainName	EBS WebLogic Domain Name.	ebs_domain	Y
weblogicDomainHome	EBS WebLogic Domain Home.	/path/ebs_domain	Y
weblogicDomainAdmin ServerUrl	EBS WebLogic domain admin server URL.	t3://ebshostname:7001	Y
weblogicDomainAdmin ServerUserAlias	EBS WebLogic domain admin server user alias	ebsAppServerAdminServerUser Alias	N
weblogicDomainAdmin ServerUser	EBS WebLogic admin server user name.	GET_FROM_WALLET	N
weblogicDomainAdmin ServerPassword	EBS WebLogic admin server password.	GET_FROM_WALLET	N
RfiBulkServer	RFI Bulk Server ODI Configuration Details		
odiHost	ODI host name. Host name of the machine where ODI is installed.	Odihostname	Y
odiUrl	Path in machine name(odihostname), where ODI is installed.	/path_where_odi_is_ installed/oracledi/agent	Y
odiUserAlias	ODI user alias. Do not change the default	rfiBulkServerOdiUserAlias	N
odiUser	ODI User Name.	GET_FROM_WALLET	N

Table B–2 (Cont.) EBS – JSON Configuration

RFI Configuration Property Name	Description	Example Value/Default Value	Value Editable?
odiPassword	ODI user name password.	GET_FROM_WALLET	Ν
odiAgentHost	ODI agent host name. Name of the machine where ODI agent is installed. Typically, this is the same machine which is a source.	odihostname	Y
odiAgentPort	ODI agent port information. Constant/ recommended to be 20910.	20910	Ŷ

Table B–2 (Cont.) EBS – JSON Configuration

Table B-3 PeopleSoft – JSON Configuration

RFI Configuration Property Name Description		Example Value/Default Value	Value Editable?
RfiDeploymentEnvInfo			
integrationToEbsOrPsft OrCfin		PSFT	N
DataSourceDef			
PsftDataSource	Peoplesoft database connection details		
dataSourceName	Name of the datasource that the installer creates to connect to Peoplesoft	PsftDataSource	N
dataSourceClass	DataSource class the installer will configure for the data source	oracle.jdbc.xa.client.OracleXADat aSource	N
dataSourceJndiName	JNDI Name used by the RFI application to connect to the database	jdbc/PsftDataSource	N
jdbcUrl	Peoplesoft JDBC connection URL. Specify the connection URL for your Peoplesoft installation.	jdbc:oracle:thin:@//ebsdbhost.ex ample.com:1521/orcl	Y
jdbcUserAlias	Peoplesoft user name alias. Do not change the default value.	psftDataSourceUserAlias	N
jdbcUser	User (schema name) for the Peoplesoft database.	GET_FROM_WALLET	N
jdbcPassword	Password for the Peoplesoft database	GET_FROM_WALLET	N
RmsDataSource	RMS database connection details		
dataSourceName	Name of the datasource that the installer creates to connect to RMS	RmsDataSource	N
dataSourceClass	DataSource class the installer will configure for the data source	oracle.jdbc.OracleDriver	N
dataSourceJndiName	JNDI name used by the RFI application to connect to the database	jdbc/RmsDataSource	N

RFI Configuration Property Name	Description	Example Value/Default Value	Value Editable?
jdbcUrl	RMS JDBC connection URL. Specify the connection URL for RMS DB.	jdbc:oracle:thin:@//rmsdbhost.ex ample.com:1521/orcl	Y
jdbcUserAlias	User name alias. Do not change the default value.	rmsDataSourceUserAlias	N
jdbcUser	User (schema name) for the RMS database.	GET_FROM_WALLET	N
jdbcPassword	Password for the RMS database	GET_FROM_WALLET	N
RfiDataSource	RFI database connection details		
dataSourceName	Name of the datasource that the installer creates to connect to RFI	RfiDataSource	N
dataSourceClass	DataSource class the installer will configure for the data source	oracle.jdbc.xa.client.OracleXADat aSource	Ν
dataSourceJndiName	JNDI name used by the RFI application to connect to the database	jdbc/RfiDataSource	N
jdbcUrl	RFI JDBC connection URL. Please specify the connection URL for your RFI DB.	jdbc:oracle:thin:@//rfidbhost.exa mple.com:1521/orcl	Y
jdbcUserAlias	User name alias. Do not change the default value.	rfiDataSourceUserAlias	N
jdbcUser	User (schema name) for the RFI database.	GET_FROM_WALLET	N
jdbcPassword	Password for the RFI database.	GET_FROM_WALLET	N
OdiMasterDataSource	ODI Master Repository database connection details		
dataSourceName	ODI database's data source name used to identify the data source to ODBC.	OdiMasterDataSource	N
dataSourceClass	DataSource class that the installer will use to configure the data source	oracle.jdbc.OracleDriver	N
dataSourceJndiName	JNDI name used by the RFI application to connect to the database	jdbc/OdiMasterDataSource	N
jdbcUrl	ODI JDBC connection URL	jdbc:oracle:thin:@//odimasterhos tname.us.custom.com:1521/plgdb	Y
jdbcUserAlias	Jdbc user name alias. Do not change the default value.	odiMasterDataSourceUserAlias	Ν
jdbcUser	User (schema name) for the ODI master repository database.	GET_FROM_WALLET	N
jdbcPassword	Password for the ODI master repository database.	GET_FROM_WALLET	N
OdiWorkDataSource	ODI work repository database connection details		

 Table B–3 (Cont.) PeopleSoft – JSON Configuration

RFI Configuration			
Property Name	Description	Example Value/Default Value	Value Editable?
dataSourceName	Data source name used to identify ODI work database Do not change the default value.	OdiWorkDataSource	N
dataSourceClass	Datasource class. Do not change the default value.	oracle.jdbc.OracleDriver	Ν
dataSourceJndiName	JNDI name, in case JNDI is used for connection. Do not change the default value.	jdbc/OdiWorkDataSource	N
jdbcUrl	ODI JDBC connection URL	jdbc:oracle:thin:@//odiworkhost name.us.custom.com:1521/plgdb	Y
jdbcUserAlias	JDBC user name alias for work repository schema. Do not change the default value.	odiWorkDataSourceUserAlias	N
jdbcUser	User name for the ODI work repository schema.	GET_FROM_WALLET	N
jdbcPassword	Password for the ODI work repository schema.	GET_FROM_WALLET	N
OdiStagingAreaDataSou rce	ODI Staging Area database connection details		
dataSourceName	ODI staging database connection details. It is recommended to have the ODI staging schema (RFI_ODI_TEMP) in the EBS or PeopleSoft database.	OdiStagingAreaDataSource	N
dataSourceClass	ODI staging datasource class. Do not change the default.	oracle.jdbc.OracleDriver	N
dataSourceJndiName	ODI staging JNDI name. Do not change the default value.	jdbc/OdiStagingAreaDataSource	N
jdbcUrl	ODI RFI staging area JDBC connection URL	jdbc:oracle:thin:@//odistagingho stname.us.custom.com:1521/plgd b	Y
jdbcUserAlias	JDBC user name alias for staging repository. Do not change the defaults.	odiStagingAreaDataSourceUserA lias	N
jdbcUser	DB User name for the ODI Staging Area schema.	GET_FROM_WALLET	N
jdbcPassword	Password for the ODI Staging Area schema.	GET_FROM_WALLET	N
MiddlewareServerDef			
RfiAppServer	erver RfiAppServer- WebLogic domain configuration details		
weblogicDomainName	RfiAppServer configuration, WebLogic domain name	RFIDomain	Y
weblogicDomainHome	RFI domain home.	<wls-home>/user_ projects/domains/RFIDomain</wls-home>	Y
weblogicDomainAdmin ServerUrl	WebLogic domain admin server URL.	t3://rfiserver.example.com:19301	Y

Table B–3	(Cont.)	PeopleSoft – JSON Configuration
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RFI Configuration Property Name	Description	Example Value/Default Value	Value Editable?
weblogicDomainAdmin ServerProtocol	WebLogic admin server protocol.	t3	Ν
weblogicDomainAdmin ServerHost	Weblogic server host name.	rfiserver.example.com	Y
weblogicDomainAdmin ServerPort	Port information of weblogic server.	19301	Y
weblogicDomainAdmin ServerUserAlias	Weblogic server UserAlias name. Do not change defaults	rfiAppServerAdminServerUserAl ias	N
weblogicDomainTarget ManagedServerName	Weblogic Domain Target Managed Server name.	rfi-server	Y
glAccountValidationServ iceEndPointUrl	End point URL for GL account validation Service	http://myhostname:7001/GlAcc ountValidationBean/GlAccountV alidationService?WSDL	Y
glAccountValidationServ iceEndPointUserAlias	User alias information for GL account validation service. Do not change the default value.	glAccountValidationServiceEndP ointUserAlias	N
glAccountValidationServ iceEndPointUser	End point User name.	GET_FROM_WALLET	N
glAccountValidationServ iceEndPointPassword	End point User password. This information is sourced from a container that is used for storing authentication and signing credentials and is managed by Security Admins.	GET_FROM_WALLET	N
glAccountValidationServ iceEndPointSecurityPoli cyName	Security policy for the service. Valid values are PolicyA, PolicyB and unsecure. (Note: Use https for Policy A setting)	unsecure	Y
drillBackForwardUrlSer viceEndPointUrl	End point URL for drillBackForward Service without RSB configuration.	http://myhostname:7001/DrillBa ckForwardUrlBean/DrillBackFor wardUrlService?WSDL	Y
	End point URL for drillBackForward Service with RSB configuration.	http://myhostname:7001/fin-Dri llBackForwardUrl-AppServiceDe corator/ProxyService/DrillBackF orwardUrlAppServiceProxy?wsdl	Y
drillBackForwardUrlSer viceEndPointUserAlias	User Alias. Do not change default value.	drillBackForwardUrlServiceEndP ointUserAlias	N
drillBackForwardUrlSer viceEndPointUser	DrillBackForward Url Service End point User name.	GET_FROM_WALLET	N
drillBackForwardUrlSer viceEndPointPassword	DrillBackForward Url Service End point User password.	GET_FROM_WALLET	N
drillBackForwardUrlSer viceEndPointSecurityPol icyName	Indicates how the Policy is secured. Options are Policy A, Policy B or Unsecure.	unsecure	Y

 Table B–3 (Cont.) PeopleSoft – JSON Configuration

RFI Configuration			
Property Name	Description	Example Value/Default Value	Value Editable?
supplierBusinessEventH andlerServiceEndPointU rl	URL information that will be used in connection for Supplier Business Event handler Service.	http://myhostname:7001/Suppli erBusinessEventHandlerBean/Su pplierBusinessEventHandlerServi ce?WSDL	Y
supplierBusinessEventH andlerServiceEndPointU serAlias	User Alias. Constant at Supplier Business Event handler Service User Alias.	supplierBusinessEventHandlerSe rviceEndPointUserAlias	Ν
supplierBusinessEventH andlerServiceEndPointU ser	Supplier Business Event handler Service User name.	GET_FROM_WALLET	N
supplierBusinessEventH andlerServiceEndPointP assword	Supplier Business Event handler Service End point User password.	GET_FROM_WALLET	N
supplierBusinessEventH andlerServiceEndPointS ecurityPolicyName	Indicates how the Policy is secured. Options are Policy A, Policy B or Unsecure.	unsecure	Y
	(Note: Use https for Policy A setting)		
payTermBusinessEvent HandlerServiceEndPoint Url	End point URL for PaytermBusiness Event Handler Service.	http://myhostname:7001/PayTer mBusinessEventHandlerBean/Pa yTermBusinessEventHandlerServ ice?WSDL"	Y
payTermBusinessEvent HandlerServiceEndPoint UserAlias	User Alias. Constant at payTermBusinessEventHandlerSe rviceEndPointUserAlias.	payTermBusinessEventHandlerSe rviceEndPointUserAlias	N
payTermBusinessEvent HandlerServiceEndPoint User	PaytermBusiness Event Handler Service End point User name.	GET_FROM_WALLET	N
payTermBusinessEvent HandlerServiceEndPoint Password	PaytermBusiness Event Handler Service End point User password.	GET_FROM_WALLET	N
payTermBusinessEvent HandlerServiceEndPoint SecurityPolicyName	Indicates how the Policy is secured. Options are Policy A, Policy B or Unsecure.	unsecure	Y
rfiAdminUiUrl	URL for RFI Admin UI.	http://myhostname:7001/retail-f inancial-integration-web	Y
rfiAdminUiUserGroup	Admin user group. Do not change the default value.	RfiAdminGroup	N
rfiAdminUiUserAlias	RFI admin UI user name alias. Do not change the default value.	rfiAdminUiUserAlias	N
rfiAdminUiUser	RFI Admin UI User name.	GET_FROM_WALLET	N
rfiAdminUiPassword	End point User password.	GET_FROM_WALLET	N
smtpServerHost	RFI SMTP (Simple Mail Transfer Protocol) server host information.	smtp.example.com	Y
smtpServerPort	RFI SMTP server port information.	465	Y
smtpServerListenerType	RFI SMTP server listener type (for example, SSL or TSL).	SSL	N

 Table B–3 (Cont.) PeopleSoft – JSON Configuration

RFI Configuration Property Name	Description	Example Value/Default Value	Value Editable?
smtpAuthenticationReq uired	Enter "TRUE" if authentication required for SMTP server, else "FALSE".	TRUE	Y
smtpMailFromAddress	Enter the sender email Address.	sender_email_ address@example.com	Y
smtpMailFromAddressA lias	Alias for From Address. Do not change the default value.	smtpMailFromAddressAlias	N
smtpMailFromAddressP assword	Password for the from email address.	GET_FROM_WALLET	N
smtpMailToAddressList	Comma seperated list of receipient email addresses.	receiver_email_address@abc.com, receiver_email_ address2@abc.com	Y
IgsAppServer	RFI Integrated Gateway Services detail for Currency Rate service		
currencyRateServiceEnd PointUrl	IGS Currency Rate endpoint URL (if no RSB is configured).	http://igshostname:19201/CurRa tePublishingBean/CurRatePublis hingService?wsdl	Y
	IGS Currency Rate endpoint URL (If RSB is configured).	http://igshostname:19201/igs-C urRatePublishing-AppServiceDec orator/ProxyService/CurRatePu blishingAppServiceProxy?wsdl	Y
currencyRateServiceEnd PointUserAlias	Alias for Currency Rate service End point User Alias. Do not change default value.	currencyRateServiceEndPointUse rAlias	N
currencyRateServiceEnd PointUser	UserName for Currency Rate service.	GET_FROM_WALLET	N
currencyRateServiceEnd PointPassword	Password for for Currency Rate service.	GET_FROM_WALLET	N
currencyRateServiceEnd PointSecurityPolicyNam e	Security policy for the service. Valid values are PolicyA, PolicyB and unsecure.(Note: Use https for Policy A setting)	unsecure	Y
currencyRateServiceEnd PointPolicyBSecurityPoli cy.wsKeystorePassword UserAlias	WSKeyStore Password User Alias for Currency Rate service End point PolicyB.	currencyRate#keystore-password- user-alias	Ν
currencyRateServiceEnd PointPolicyBSecurityPoli cy.wsKeyPublicPrivateK eyAlias	WSKeyPublicPrivateKey Alias forCurrency Rate service End point User PolicyB.	currencyRate#remote-host-public- private-key-alias	N
RmsAppServer	RFI Integrated Gateway Services detail for Supplier service		
supplierServiceEndPoint Url	Supplier service endpoint URL information (with no RSB).	http://rmshostname.example.co m:19203/SupplierBean/SupplierS ervice?WSDL	Y
	Supplier service endpoint URL (with RSB).	http://rmshostname.example.co m:19203/rms-Supplier-AppServic eDecorator/ProxyService/Suppli erAppServiceProxy?wsdl	Y

 Table B-3 (Cont.) PeopleSoft – JSON Configuration

RFI Configuration		-	
Property Name	Description	Example Value/Default Value	Value Editable?
supplierServiceEndPoint UserAlias	Alias for Supplier service. Do not change the default.	supplierServiceEndPointUserAlia s	N
supplierServiceEndPoint User	UserName for Supplier Service End point User.	GET_FROM_WALLET	N
supplierServiceEndPoint Password	Password for Supplier service.	GET_FROM_WALLET	N
supplierServiceEndPoint SecurityPolicyName	Security policy for the service. Valid values are PolicyA, PolicyB and unsecure.	unsecure	Y
	(Note: Use https for Policy A setting)		
supplierServiceEndPoint PolicyBSecurityPolicy.ws KeystorePasswordUserA lias	WSKeyStore Password User Alias for Supplier Service End point User Alias.	supplier#keystore-password-user- alias	N
supplierServiceEndPoint PolicyBSecurityPolicy.ws KeyPublicPrivateKeyAli as	WSKeyPublicPrivateKey Alias for Supplier Service End point User Alias.	supplier#remote-host-public-priv ate-key-alias	Ν
PsftAppServer	PSFT App Server Configuration Details		
weblogicDomainName	PSFT WebLogic Domain Name.	ebs_domain	Y
weblogicDomainHome	PSFT WebLogic Domain Home.	/path/ebs_domain	Υ
weblogicDomainAdmin ServerUrl	PSFT WebLogic domain admin server URL.	t3://ebshostname:7001	Y
weblogicDomainAdmin ServerUserAlias	PSFT WebLogic domain admin server user alias	psftAppServerAdminServerUser Alias	N
weblogicDomainAdmin ServerUser	PSFT WebLogic admin server user name.	GET_FROM_WALLET	N
weblogicDomainAdmin ServerPassword	PSFT WebLogic admin server password.	GET_FROM_WALLET	N
psftApplicationUrl	Peoplesoft Application URL.	http://psfthostname:7777/psp	Y
psftApplicationUrlSite	Path of Application URL in peoplesoft domain	ps	N
psftApplicationUrlPortal NodeContent	Peoplesoft Application URL portal node content.	EMPLOYEE/ERP/c	N
psftApplicationUserAlia s	Peoplesoft Application URL domain admin server useralias	psftApplicationUserAlias	N
psftApplicationUser	Peoplesoft Application URL UserName.	GET_FROM_WALLET	N
psftApplicationPasswor d	Peoplesoft Application URL User Password.	GET_FROM_WALLET	N
comboChartFieldService EndPointUrl	PeopleSoft comboChart Field service End point URL.	http://psfthostname:7777/PSIG W/PeopleSoftServiceListeningCo nnector/COMBO_CF_EDIT_ REQUEST.1.wsdl	Ŷ

Table B–3	(Cont.)	PeopleSoft – JSON Configuration
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RFI Configuration	Description	Exemple Value (Default Value	Value Editable 2
Property Name	Description	Example Value/Default Value	Value Editable?
comboChartFieldService EndPointUserAlias	PeopleSoft comboChart Field service End point User Alias.	comboChartFieldServiceEndPoint UserAlias	1N
comboChartFieldService EndPointUser	PeopleSoft comboChart Field service End point Username.	GET_FROM_WALLET	N
comboChartFieldService EndPointPassword	PeopleSoft comboChart field service End point Username Password.	GET_FROM_WALLET	Ν
comboChartFieldService EndPointSecurityPolicy Name	Security policy for the service. Valid values are PolicyA, PolicyB and unsecure.	unsecure	Y
	(Note: Use https for Policy A setting)		
comboChartFieldService EndPointPolicyBSecurity Policy.wsKeystorePassw ordUserAlias	PeopleSoft comboChart field service End point WebserviceKeyStore Password User alias.	payTerm#keystore-password-user -alias	N
comboChartFieldService EndPointPolicyBSecurity Policy.wsKeyPublicPriva teKeyAlias	PeopleSoft comboChart field service End point Web service Keyprivate key alias.	payTerm#remote-host-public-priv ate-key-alias	N
rfiInvoiceDrillForwardS erviceEndPointUrl	RFI Invoice drill forward service End point URL	http://psfthostname:7777/PSIG W/PeopleSoftServiceListeningCo nnector/RFI_INV_ DRILLFORWARD_ SERVICE.1.wsdl	Y
rfiInvoiceDrillForwardS erviceEndPointUserAlia s	RFI Invoice drill forward service EndPointUser Alias. Constant at rfiInvoiceDrillForwardServiceEnd PointUserAlias.	rfiInvoiceDrillForwardServiceEnd PointUserAlias	N
rfiInvoiceDrillForwardS erviceEndPointUser	RFI Invoice drill forward service EndPoint Username.	GET_FROM_WALLET	N
rfiInvoiceDrillForwardS erviceEndPointPassword	RFI Invoice drill forward service EndPoint Username Password.	GET_FROM_WALLET	N
rfiInvoiceDrillForwardS erviceEndPointSecurityP olicyName	Security policy for the service. Valid values are PolicyA, PolicyB and unsecure.	unsecure	Y
	(Note: Use https for Policy A setting)		
rfiInvoiceDrillForwardS erviceEndPointPolicyBS ecurityPolicy.wsKeystor ePasswordUserAlias	RFI Invoice drill forward service EndPoint WebserviceKeyStore Password User alias.	payTerm#keystore-password-user -alias	N
rfiInvoiceDrillForwardS erviceEndPointPolicyBS ecurityPolicy.wsKeyPubl icPrivateKeyAlias	RFI Invoice drill forward service EndPoint Web service Keyprivate key alias.	payTerm#remote-host-public-priv ate-key-alias	N
RfiBulkServer	RFI Bulk Server ODI Configuration Details		N
odiHost	ODI host name. Host name of the machine where ODI is installed.	Odihostname	Y

Table B–3 (Cont.) PeopleSoft – JSON Configuration

RFI Configuration Property Name	Description	Example Value/Default Value	Value Editable?
odiUrl	Path in machine name(odihostname), where ODI is installed.	/path_where_odi_is_ installed/oracledi/agent	Y
odiUserAlias	ODI user alias. Do not change the default	rfiBulkServerOdiUserAlias	N
odiUser	ODI User Name.	GET_FROM_WALLET	Ν
odiPassword	ODI user name password.	GET_FROM_WALLET	N
odiAgentHost	ODI agent host name. Name of the machine where ODI agent is installed.	odihostname	Y
odiAgentPort	ODI agent port information. Constant/ recommended to be 20910.	20910	Y

 Table B–3 (Cont.) PeopleSoft – JSON Configuration

Table B–4	Cloud Financials – JSON Configuration

RFI Configuration Property Name	Description	Example Value/Default Value	Value Editable?
RfiDeploymentEnvInfo			
integrationToEbsOrPsft OrCfin		CFIN	N
DataSourceDef			
RfiDataSource	RFI database connection details		
dataSourceName	Name of the datasource that the installer creates to connect to RMS	RfiDataSource	N
dataSourceClass	DataSource class the installer will configure for the data source	oracle.jdbc.xa.client.OracleXADat aSource	N
dataSourceJndiName	JNDI name used by the RFI application to connect to the database	jdbc/RfiDataSource	N
jdbcUrl	RFI JDBC connection URL. Please specify the connection URL for your RFI DB.	jdbc:oracle:thin:@//rfidbhost.exa mple.com:1521/orcl	Y
jdbcUserAlias	User name alias. Do not change the default value.	rfiDataSourceUserAlias	N
jdbcUser	User (schema name) for the RFI database.	GET_FROM_WALLET	N
jdbcPassword	Password for the RFI database.	GET_FROM_WALLET	N
MiddlewareServerDef			
RfiAppServer	RfiAppServer- WebLogic domain configuration details		
weblogicDomainName	RfiAppServer configuration, WebLogic domain name	RFIDomain	Y
weblogicDomainHome	RFI domain home.	<wls-home>/user_ projects/domains/RFIDomain</wls-home>	Y

RFI Configuration Property Name	Description	Example Value/Default Value	Value Editable?		
weblogicDomainAdmin ServerUrl	WebLogic domain admin serverURL.	t3://rfiserver.example.com:19301	Y		
weblogicDomainAdmin ServerProtocol	WebLogic admin server protocol.	t3	N		
weblogicDomainAdmin ServerHost	Weblogic server host name.	rfiserver.example.com	Y		
weblogicDomainAdmin ServerPort	Port information of weblogic server.	19301	Y		
weblogicDomainAdmin ServerUserAlias	Weblogic server UserAlias name. Do not change defaults	rfiAppServerAdminServerUserAl ias	N		
weblogicDomainTarget ManagedServerName	Weblogic Domain TargetManaged Server name.	rfi-server	Y		
glAccountValidationServ iceEndPointUrl	End point URL for GL account validation Service	http://myhostname:7001/GlAcc ountValidationBean/GlAccountV alidationService?WSDL	Ŷ		
glAccountValidationServ iceEndPointUserAlias	User alias information for GL account validation service. Do not change the default value.	glAccountValidationServiceEndP ointUserAlias	Ν		
glAccountValidationServ iceEndPointUser	End point User name.	GET_FROM_WALLET	N		
glAccountValidationServ iceEndPointPassword	End point User password. This information is sourced from a container that is used for storing authentication and signing credentials and is managed by Security Admins.	GET_FROM_WALLET	Ν		
glAccountValidationServ iceEndPointSecurityPoli cyName	Security policy for the service. Valid values are PolicyA, PolicyB and unsecure. (Note: Use https for Policy A setting)	unsecure	Y		
supplierExportOutboun dServiceEndPointUrl	URL information that will be used in connection for Supplier Export Outbound Service.	http://myhostname:7001/Suppli erExportOutboundService/Su pplierExportOutboundServi ce?WSDL	Y		
supplierExportOutboun dServiceEndPointU serAlias	User Alias. Constant at Supplier Export Outbound Service User Alias.	supplierExportOutboundSe rviceEndPointUserAlias	N		
supplierExportOutboun dServiceEndPointUser	Supplier Export OutboundService User name.	GET_FROM_WALLET	N		
supplierExportOutboun dServiceEndPointP assword	Supplier Export OutboundService End point User password.	GET_FROM_WALLET	N		
supplierExportOutboun dServiceEndPointS ecurityPolicyName	Indicates how the Policy is secured. Options are Policy A, Policy B or Unsecure. (Note: Use https for Policy A setting)	unsecure	Y		
rfiAdminUiUrl	URL for RFI Admin UI.	http://myhostname:7001/retail-f inancial-integration-web	Y		

 Table B-4 (Cont.) Cloud Financials – JSON Configuration

RFI Configuration Property Name	Description	Example Value/Default Value	Value Editable?
rfiAdminUiUserGroup	Admin user group. Do not change the default value.	RfiAdminGroup	N
rfiAdminUiUserAlias	RFI admin UI user name alias. Do not change the default value.	rfiAdminUiUserAlias	N
rfiAdminUiUser	RFI Admin UI User name.	GET_FROM_WALLET	N
rfiAdminUiPassword	End point User password.	GET_FROM_WALLET	N
rfiOperatorUiUserGroup	Operator user group. Do not change the default value.	RfiOperatorGroup	N
rfiOperatorUiUserAlias	RFI Operator UI user name alias. Do not change the default value.	rfiOperatorUiUserAlias	N
rfiOperatorUiUser	RFI Operator UI User name.	GET_FROM_WALLET	N
rfiOperatorUiPassword	End point User password.	GET_FROM_WALLET	N
rfiMonitorUiUserGroup	Monitor user group. Do not change the default value.	RfiMonitorGroup	N
rfiMonitorUiUserAlias	RFI Monitor UI user name alias. Do not change the default value.	rfiMonitorUiUserAlias	N
rfiMonitorUiUser	RFI Monitor UI User name.	GET_FROM_WALLET	N
rfiMonitorUiPassword	End point User password.	GET_FROM_WALLET	N
smtpServerHost	RFI SMTP (Simple Mail Transfer Protocol) server host information.	smtp.example.com	Y
smtpServerPort	RFI SMTP server port information.	465	Y
smtpServerListenerType	RFI SMTP server listener type (for example, SSL or TSL).	SSL	N
smtpAuthenticationReq uired	Enter "TRUE" if authentication required for SMTP server, else "FALSE".	TRUE	Y
smtpMailFromAddress	Enter the sender email Address.	sender_email_ address@example.com	Y
smtpMailFromAddressA lias	Alias for From Address. Do not change the default value.	smtpMailFromAddressAlias	N
smtpMailFromAddressP assword	Password for the from email address.	GET_FROM_WALLET	N
smtpMailToAddressList	Comma separated list of recipient email addresses.	receiver_email_address@abc.com, receiver_email_ address2@abc.com	Y
RmsAppServer	RFI Integrated Gateway Services detail for Supplier service		
supplierServiceEndPoint Url	Supplier service endpoint URL information (with no RSB).	http://rmshostname.example.co m:19203/SupplierBean/SupplierS ervice?WSDL	Y
	Supplier service endpoint URL (with RSB).	http://rmshostname.example.co m:19203/rms-Supplier-AppServic eDecorator/ProxyService/Suppli erAppServiceProxy?wsdl	Y

Table B–4	(Cont.)	Cloud Financials – JSON Configuration
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RFI Configuration Property Name	Description	Example Value/Default Value	Value Editable?
supplierServiceEndPoint UserAlias	Alias for Supplier service. Do not change the default.	supplierServiceEndPointUserAlia s	N
supplierServiceEndPoint User	UserName for Supplier Service End point User.	GET_FROM_WALLET	N
supplierServiceEndPoint Password	Password for Supplier service.	GET_FROM_WALLET	N
supplierServiceEndPoint SecurityPolicyName	Security policy for the service. Valid values are PolicyA, PolicyB and unsecure. (Note: Use https for Policy A setting)	unsecure	Y
supplierServiceEndPoint PolicyBSecurityPolicy.ws KeystorePasswordUserA lias	WSKeyStore Password User Alias for Supplier Service End point User Alias.	supplier#keystore-password-user- alias	N
supplierServiceEndPoint PolicyBSecurityPolicy.ws KeyPublicPrivateKeyAli as	WSKeyPublicPrivateKey Alias for Supplier Service End point User Alias.	supplier#remote-host-public-priv ate-key-alias	N
CfinAppServer	Cfin App Server Configuration Details		
financialUtilServiceEndP ointUrl	Cfin Financial Util Service End Point URL	https://cfinhostname/fscmServic e/ErpIntegrationService?WSDL	Y
financialUtilServiceEndP ointUserAlias	Cfin Financial Util Service User Alias	financialUtilServiceUserNameAli as	N
financialUtilServiceEndP ointUser	UserName for Financial Util Service End point User.	GET_FROM_WALLET	N
financialUtilServiceEndP ointPassword	Password for Financial Util Service service.	GET_FROM_WALLET	N
financialUtilServiceEndP ointSecurityPolicyName	Security policy for the service. Valid values are PolicyA, PolicyB and unsecure. (Note: Use https for Policy A setting)	unsecure	Y
glAccountValidationEnd PointUrl	Cfin General Ledger Validation Service End Point URL	https://cfinhostname/fscmServic e/AccountCombinationService? WSDL	Y
glAccountValidationEnd PointUserAlias	Cfin General Ledger Validation Service User Alias	glAccountValidationEndPointUse rAlias	N
glAccountValidationEnd PointUser	UserName for General Ledger Validation Service End point User.	GET_FROM_WALLET	N
glAccountValidationEnd PointPassword	Password for General Ledger Validation Service service	GET_FROM_WALLET	N
glAccountValidationEnd PointSecurityPolicyNam e	Security policy for the service. Valid values are PolicyA, PolicyB and unsecure. (Note: Use https for Policy A setting)	unsecure	Y

Table B-4 (Cont.) Cloud Financials – JSON Configuration