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

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Oracle® Retail Financial Integration for Oracle Retail Merchandise Operations Management and Oracle E-Business Suite or PeopleSoft Financials Installation Guide, Release 16.0.023

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Oracle® Retail Financial Integration for Oracle Retail Merchandise Operations Management and Oracle E-Business Suite or PeopleSoft Financials Installation Guide, Release 16.0.023

Oracle welcomes customers' comments and suggestions on the quality and usefulness of this document.

Your feedback is important, and helps us to best meet your needs as a user of our products. For example:

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- Did you understand the context of the procedures?
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Please give your name, address, electronic mail address, and telephone number (optional).

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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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- Product version and program/module name
- 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, 16.0) or a later patch release (for example, 16.0.023). 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.

This process will prevent delays in making critical corrections available to customers. For the customer, it means that before you begin installation, you must verify that you have the most recent version of the Oracle Retail documentation set. Oracle Retail documentation is available on the Oracle Technology Network at the following URL:

http://www.oracle.com/technetwork/documentation/oracle-retail-100266.ht
ml

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

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

Oracle Retail Documentation on the Oracle Technology Network

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

http://www.oracle.com/technetwork/documentation/oracle-retail-100266.ht
ml

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

Conventions

ConventionMeaningboldfaceBoldface type indicates graphical user interface elements associated
with an action, or terms defined in text or the glossary.italicItalic type indicates book titles, emphasis, or placeholder variables for
which you supply particular values.

The following text conventions are used in this document:

Convention	Meaning
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 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 (12.1.0.2) with the following specifications:
	Components:
	Enterprise Edition
	Examples CD
	Oneoff Patches:
	 20846438: ORA-600 [KKPAPXFORMFKK2KEY_1] WITH LIST PARTITION
	 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
	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
Note: By de	efault, JDK is at 1.7, upgrade JDK to 1.8.

Table 1–1 (Cont.) Database Server Requirements

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

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. 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 (12.2.1.2) with the following specifications:		
	Oracle Fusion Middleware 12c Release 1 (12.2.1.2)		
	Components:		
	 Oracle Data Integrator 12c Release 1 (12.2.1.2) 		

 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 12.2.1.2. 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 12.2.1.2
	Components:
	• Oracle WebLogic Server 12c (12.2.1.2)
	 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 12.2.1.2. All middleware components associated with WebLogic server 10.3.3 or 10.3.4 should be upgraded to 12.2.1.2.
	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 12.2.1.2 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	16.0.023	
Oracle Retail Invoice Matching (ReIM)	16.0.023	
Oracle Retail Integration Bus (RIB)	16.0.023	

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
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Requirement	Version
Oracle E-Business Suite (General Ledger and Accounts Payable)	Oracle E-Business Suite 12.2.4 integration is supported using the Oracle Financial Operations Control Integration Pack for Oracle Retail Merchandising Suite and Oracle 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.

Note on Compatibility of Financial Applications (EBS, PeopleSoft) and ORFI): The release cycle of Oracle E-Business Suite Financials (EBS) and Oracle PeopleSoft Financials does not align with Oracle Retail's Enterprise release cycle. Because of this discrepancy, the certification of newer versions of EBS Financials and PeopleSoft 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 and PeopleSoft 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 and PeopleSoft 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 payterms. Along with the ORFI layer setup and creation of ODI master and work repositories, importing the ODI packages, and scheduling the scenarios.

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
- ODI Setup Tasks

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

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 (RetailFinancialIntegrationPak16.0.023ForRfi16.0.023_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 RetailFinancialIntegrationPak16.0.023ForRfi16.0.023_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 two diagrams one with EBS as integrating financial system and other Oracle PeopleSoft as integrating financial system

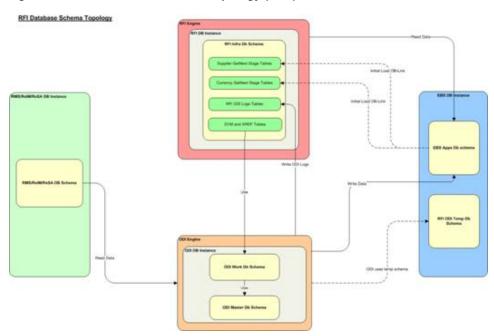
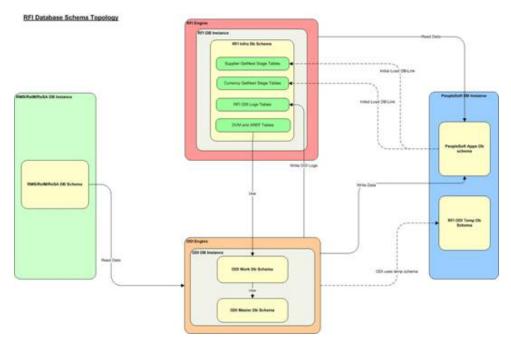


Figure 3–1 RFI Database Schema Topology (EBS)

Figure 3–2 RFI Database Schema Topology (PeopleSoft)



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.

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 or PeopleSoft, 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

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

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 12.2.1.2 and any patches listed related to Weblogic Server 12c 12.2.1.2. 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, and 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-16.0.023.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 (RetailFinancialIntegrationPak16.0.023ForRfi16.0.023_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 RetailFinancialIntegrationPak16.0.023ForRfi16.0.023_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 -> integratingToEbsOrPsft, mentioned based on whether integration is with EBS OR PeopleSoft

- If integration is with EBS, the value should be integratingToEbsOrPsft":"EBS", Or,
- If integration is with PeopleSoft, the value should be integratingToEbsOrPsft":"PSFT"

Note: Default configuration would be integratingToEbsOrPsft":"PSFT".

Update the following details from RfiDeploymentEnvInfo -> DataSourceDef configuration:

Based on whether the integration is with EBS or PeopleSoft 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
```

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

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

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>"

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

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

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.

- 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 please skip 1 - 4 service configuration steps

- 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",
- 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:

```
"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 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.

- **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.** Update the following details from RfiDeploymentEnvInfo -> MiddlewareServerDef -> RfiBulkServer configuration:
 - 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"
- 14. The supported configuration is for Unsecured and Policy A configuration.
- **15.** 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	A Home Log Out Preferences 🔤 Record Help	Q	
View changes and restarts	Home >Summary of Clusters >rsb_cluster >Summary of Clusters >	rsb_cluster	
No pending changes exist. Click the Release	Settings for rsb_cluster		
Configuration button to allow others to edit the domain.	Configuration Monitoring Control Deployments S	ervices Notes	
Lock & Edit	General Messaging Servers Replication Migratio	n Singleton Services Scheduling Overload Health Monitoring HTTP	
Release Configuration	Save		
Domain Structure]		
rsb_domain IP:Environment	This page is used to configure how WebLogic Server will repli	ate HTTP Session State across a cluster.	
Servers 	Cross-cluster Replication Type:	(None)	Optimizes cross-cluster replication for the type of n administrative communication. More Info
Coherence Servers	र्तनि Remote Cluster Address:		Set the foreign cluster. Cluster infrastructure uses Session WAN(MAN follower: More Info
Machines Work Managers Startup and Shutdown Classes	륝 Replication Channel:	ReplicationChannel	The channel name to be used for replication traffic. updates for HTTP sessions and stateful session bea used. More Info
-ServicesServicesServices	Data Source For Session Persistence:	(None)	To support HTTP Session failover across data cents disk. More Info
How do I E • Configure dusters • Configure server migration in a duster • Configure cross-duster replication • Configure HTTP settings for a duster	C de Persiet Sessions On Shutdown		When shufting down servers, sensions are not upd assisten are able down with no extrain codater, the Premic Sesson Christiadown will are any rechter is Calater Minan Tgel Calation of a Sessor Premicher be within all area (the free, "For exemple, they a crash.") More Info
Create 30BC generic data sources	2		Servers in a cluster replicate session data. If a repli sent using the replication channel protocol and sex replication channel is defined and secured replicatio
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
Faled (0)	- Advanced		

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 12.2.1.2, 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:

	FUSION MIDDLEWARE	
Create Domain Using Product Templates:		
Create Domain Using Froduct remplates.		
Template Categories: All Templates		
Available Templates		
📝 Basic WebLogic Server Domain - 12.2.1 [wiserver] *		
🔽 Oracle Enterprise Manager - 12.2.1 [em]		
Oracle User Messaging Service Basic - 12.2.1 [oracl	e_common]	
Oracle WSM Policy Manager - 12.2.1.0 [oracle_comm	non]	
Oracle RAS Session Service - 12.2.1.0 [oracle_comn		
Oracle JRF SOAP/JMS Web Services - 12.2.1 [oracle_		
Oracle Enterprise Manager-Restricted JRF - 12.2.1 [em]	
✓ Oracle JRF - 12.2.1 [oracle_common]		
 Oracle Restricted JRF - 12.2.1 [oracle_common] WebLogic Coherence Cluster Extension - 12.2.1 [wl 		
WebLogic Advanced Web Services for JAX-WS Extension		
Oracle OPSS REST Service Application - 12.2.1.0 [or		
Wehl onic Advanced Weh Services for IAX-RPC Exter	-	
<u>Create Domain Using Custom Template:</u>	05000 - 12 Z I 10078019 I 100700100	
Create Domain Using Custom Template:		
Create Domain Using Custom Template:		
Create Domain Using Custom Template:		
Create Domain Using Custom Template:		
Create Domain Using Custom Template:		
Create Domain Using Custom Template:		
Create Domain Using Custom Template:		

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.

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Parkay Remager	
An off any Construct Personnel Notices Refer 10000 11 1 1 10000 11 100000 11 100000 11 100000 11 100000 11 100000 11 1000000	
Name Name All Name X Confm (party or 10 × 10 × 100) (party or 10 × 10 × 100)	
Texanol Code Code Code Code Code Code Code Code	
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de Desener 😳	
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K, Setup	
885. O Creanity O Teac-esty # Picce	
a test	
sche Marsgement	
Falure Retry Delay 5000 A w na Waxing Documents Retry Delay 5000 A w na	
Falses Rely Selly 500 A V m Ware Result Selly 5000 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-16.0.023.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:

1. 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.

 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 .

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 "Domain Data Cross Reference" for viewing, searching, browsing the Cross References (XREF) and DVM records setup in ORFI.

					Welcome, rfiadmin L
RFI: D	tomain Data Cross Reference				
Н	me Adapter Manager Domain Data	Cross Reference RFI Application Logs			
Search	Domain Data Cross Reference				
		Search By Common ID *		Search	
List of	Domain Data Cross References [No	of records: 293]			(Eet
Comm	00		Real ID		Ð
Commo	on Category Type	Category Type Description	Retail ID	External System ID	
Comm	00			External System ID	Ex Si Fit
Commo ID 25079	Category Type SUPPLIER_NOTIFICATION_DVM	Category Type Description SUPPLIER_NOTFICATION Suppler Active Status mapping A - A Suppler In-Active Status mapping I - I		External System ID	E S Fil EE
Commo ID 25009 25010 25011 25012	Category Type SUPPLIER_NOTIFICATION_DVM SUPPLIER_STATUS_CODE_DVM SUPPLIER_STATUS_CODE_DVM SUPPLIER_ADDRESS_TYPE_DVM	Category Type Description SUPPLIER_NOTFICATION Suppler Active Status mapping I - A Suppler In-Active Status mapping I -1 Suppler Adatase Type mapping - 06		Entry Supplee Adapter Create/Update Service Adapter Create/Update Service AVX SITE FLAG	E S FI E E E E
Commo ID 25009 25010 25011	Category Type SUPPLER_NOTIFICATION_DVM SUPPLER_STATUS_CODE_DVM SUPPLER_STATUS_CODE_DVM	Category Type Description SUPPLIER_NOTFICATION Suppler Active Status mapping A - A Suppler In-Active Status mapping I - I	MAIL_SUBJECT A	External System ID Error: Supplier Adapter Create Update Service A	E S Fil EE

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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wents Subscriptions Agents Systems	and the second		SPACE UNIVERSITY			100000000000000000000000000000000000000
Rusiness Events: Events +						
duents.						11111111111111
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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Name lovade application available available						
Norm (marks applies avent Semain Server (mark and deal) g Store Norm Server (Server)						
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Second Control Mr. Society and Vigital 2 Show Huma Second Controls Results: Learning					_Onder (vent On	ute Tweet Group
Senar Series Series (Marcon Marcine Mager) 2 Them Series Series (Series) Results: Forentia Series Torentia Series Torentia Series (Marcon Marcon M	(m) Display Name	Type	Natus	Subscription		ute firent Group Text

- 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	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1		
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None Developer Mode Barmess sents Status Honitor Institution Administration			
Twents : Subscipture: / Agents : Rysteria		Reference and the	
Baarest Deella Deella > Baarest Beella Deella > Balaraphon >			
			Concel Next
Update Event Subscriptions			
An event subcoption is a negatization indicating that a porticular event is appricant to a particular system. An event subcoption specifies the processing to perform when the toggering * and cases required field	event occurs.		
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"Swise NUMPLICANDERDM 9			
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* Seven Type Local			
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			Cancel Hegt
Home Sweeperstadio Bearras Statis Instru-Hotelane Administration Supportes Here	Lagout Pheneson	a 1999	

g. Click Apply.

Figure 6–3 Apply

ORACLE	Administrator Workflow		A CONTRACTOR OF THE OWNER	🗴 Nangatat 🕶 👔 Faurtou =	Diagnostics Home Legist Preferences Help
Business Events Events > Update Event Sabecription	Dusiness Events Events + Subscriptions + Update I Caston	sed Subscriptions +			
					Cancel Bock Apply
Action					
	a the behaviour of the subscription. Provide a Java Case nam	e () for Java Rule Function an	nd a PUSQL stared procedure («Package»-	<function>) for Pt/SQL Rule Function.</function>	
	com.oracle.retal.rf.abs.SupplerBES				
PL/SQL Rule Function					
Workfow Type	A				
Workflow Process	Onese a Malifere Tupe, before channing the Malifere Process for the Tu				
Out Apent					
To Apent	4				
	Norma a				
Subscription Parameter	•				
Select Name No results found.				Value	
Add Another Row					
Ever parameters and that rulus	with sy special				
Documentation					
* Owner Name	Oracle Payables				
* Owner Tag	52.47				
Customoton Level	Uner				
Description					
					Canoel 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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sgenta, no event group is 3 type of event companies of	s set af eductual the	nber evinti. Bvert pouptie	you Babrizot any events
blende for event group it is type of event company of	s set af eductual the	nber evinti. Event groupt le	you associated any events
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		Colds Event	Create Select Group
	www. Status	Admentation	Bulate Test
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		And the second s	
	zer species 1	ter tasted bet tasted	ne sache Der Solan

- 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 Subscriptio	in : Custom		
			Cancel Back
Action			
The Rule Function control	the behaviour of the subscript	ion. Previde a Java Class name (<package>.<class>) for Java Rule Function and a PL/SQL stored pro</class></package>	endura (cParkana > cSuretion>) for R/501 Rule Europa
	com.oracle.retail.rfl.ebs.Cur		nonna (-Lannala-Levantnous) ini ud odr una Lannair
PL/SQL Rule Function			
Workflow Type		q	
Warkflow Process			
Worknow Process		coung the Vincet/four Process for that Type	
Out Agen	t [A	
To Agent	1	A	
* Priority	Normal 🐱		
Subscription Paramete			
and the second second			
No results found.			Value
Add Another Row			
Enter parameters and their value	and as seen		
Documentation			
	Oracle General Ledger		
* Owner Name			
* Owner Name * Owner Tag	squal		
* Owner Tag Customization Level	User		
* Owner Tag	User		
* Owner Tag Customization Level	User	8	
* Owner Tag Customization Level	User		

- **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 and retail-public-security-api-<version>.jar to CLASSPATH and AF_CLASSPATH variables.
- **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-14.1.1.jar:/vol02/o racle/apsv1213/common/java/classes/rfi/retail-public-security-api/lib/retail-pu blic-security-api-14.0.0.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-14.0.0.jar:/vol02/oracle/apsv1213/common/j ava/classes/rfi/retail-public-security-api/lib/commons-cli-1.2.jar:/vol02/oracl e/apsv1213/common/java/classes/rfi/retail-public-security-api/lib/commons-loggi ng-1.1.1.jar:/vol02/oracle/apsv1213/common/java/classes/rfi/retail-public-secur ity-api/lib/groovy-all-2.1.2.jar:/vol02/oracle/apsv1213/common/java/classes/rfi /retail-public-security-api/lib/jps-api-11.1.1.1.0.jar:/vol02/oracle/apsv1213/c ommon/java/classes/rfi/retail-public-security-api/lib/jps-internal-11.1.1.1.0.j ar:/vol02/oracle/apsv1213/common/java/classes/rfi/retail-public-security-api/li b/jps-common-11.1.1.1.0.jar:/vol02/oracle/apsv1213/common/java/classes/rfi/reta il-public-security-api/lib/jps-unsupported-api-11.1.1.1.0.jar:/vol02/oracle/aps v1213/common/java/classes/rfi/retail-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/oracle/apsv1213/common/java/classes/rfi/retai 1-public-security-api/lib/jps-manifest-11.1.1.1.0.jar:/vol02/oracle/apsv1213/co mmon/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/j ps-upgrade-11.1.1.1.0.jar:/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-public-security-api/lib/identitystore-11.1.1.1.0.jar:/vol02/ oracle/apsv1213/common/java/classes/rfi/retail-public-security-api/lib/oraclepk i-11.1.1.1.0.jar:/vol02/oracle/apsv1213/common/java/classes/rfi/retail-public-s ecurity-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-14.1.1.jar:/vol02/o racle/apsv1213/oracle/10.1.3/appsutil/jdk/lib/dt.jar:/vol02/oracle/apsv1213/ora

```
cle/10.1.3/appsutil/jdk/lib/tools.jar:/vol02/oracle/apsv1213/oracle/10.1.3/apps
util/jdk/jre/lib/rt.jar:/vol02/oracle/apsv1213/common/java/lib/appsborg2.zip:/v
ol02/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
    _____
               /u00/oracle/product/PT8.53/pscfghome
 PS CFG HOME
 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]

```
Command to execute (1-6, q): 1

PeopleSoft Application Server Administration

1) Administer a domain

2) Create a domain

3) Delete a domain

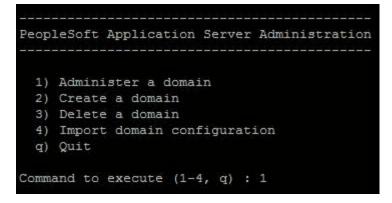
4) Import domain configuration

q) Quit

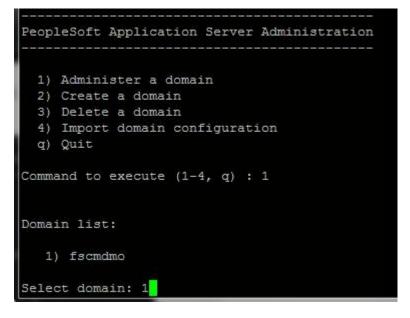
Command to execute (1-4, q) :

Please enter one of the commands (1-4, q)
```

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	r 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 g
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 wth 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 Qonnectors	Portal WS Securi	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	
Node Password		-	
*Default User ID	VP1	9	
Hub Node		2	
Master Node		Q.	
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

ORACLE	u - PeopleTools -> Integration Broker -> Integration Setup -> Nodes 2
Nodes	
Enter any information you have	e and click Search. Leave fields blank for a list of all values.
Find an Existing Value	Add a New Value
* Search Criteria	
Search by: Node Name	[begins with AND
🗆 Include History 🚿 Cor	rrect History
Search Advanced Sear	rch
Search Results	
	Fist (a) tott (b) Last
View All Node Name Description	Local Node Default Local Node Node Type

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

DRACLE			
Node Definitions Connectors	Portal WS Security	loutings	
Node Name	ANONYMOUS		Copy Node
*Description	Used internally by IB system.		Rename Nod
"Node Type	External •	Default Local Node Local Node	Delete Node
*Authentication Option	None	Active Node Non-Repudiation Segment Aware	
Default User ID	VPI	9.	
WSIL URL			
Hub Node		a.	
Master Node		a.	
Company ID			
IB Throttle Threshold			
Image Name		9.	
Codeset Group Name		a.	
External User ID			
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

Status Update	E All Dum E All Dum Set Up Fail	itor all Comains (Minutes) alles Active alles Inactive over		Fallover I	Snabled		
	E All Dum E All Dum Set Up Fail	uains Active uains inactive		Fallover (inabled		
	E All Dum E All Dum Set Up Fail	uains Active uains inactive		Fallover (inabled		
	Stave Terry	e Load Balance pates					
			Personalize	Find Vie	A (0) 15	Fest & Lot 1 it	Last
thachine Re	Application Serve	er Path		Domain Status	Grace Period	Save Indicator	
_	A00bradebrod	uctPTE \$300 ctyhornelises	senfordre	Adhe			View Domain Queue Sets
		Personalize Find C	B I Fer	1 1 1.34	ta A Last		
10097_dtt 10097_dtt	A00/brade/productPTE-52 A00/brade/productPTE-52	Spadghomelappaevilion Spadghomelappaevilion	Status St ndmo ACT ndmo ACT	ring Date1	Time Stamp		
	ther lane NOSP.,m 805P.,m	AdDitradelprod toher Name Application Server Path b00P_dt AdDitradelproductPTE 5 800P_dt AdDitradelproductPTE 5	Additischepisdud9718_33bisdphonester Personalitie Fine (2 Adder Keine Application Server Path RODP_dt Additiscs Server Path RODP_dt Additiscs Server Path RODP_dt Additiscs Server Path	According to the real of	Number Same Application Server Path Density Bases AccOstractig-toolus/FTB \$15xcd/tominagesen/tom/tomina Accostractig-toolus/FTB \$15xcd/tominagesen/tom/tomina <td>Backbox Same Applications Samer Path Dense Masks Communication Personality Fact (000 - 50 - 30 - 30 - 30 - 30 - 30 - 30 -</td> <td>Bischer Jahre Application Server Path Binker Creating AutomaticiphotustPTE SSpecifylamellopesen/bondme AutomaticiphotustPTE SSpecifylamellopesen/bondme AutomaticiphotustPTE SSpecifylamellopesen/bondme Binker Bink</td>	Backbox Same Applications Samer Path Dense Masks Communication Personality Fact (000 - 50 - 30 - 30 - 30 - 30 - 30 - 30 -	Bischer Jahre Application Server Path Binker Creating AutomaticiphotustPTE SSpecifylamellopesen/bondme AutomaticiphotustPTE SSpecifylamellopesen/bondme AutomaticiphotustPTE SSpecifylamellopesen/bondme Binker Bink

Integration Broker Configuration Activities

	12 eenngalaien /ie	
SI No	Activity	Description
1	Set up gateway	Define the gateway URL and load target connectors.
		Register nodes on the local gateway.
		Define integration gateway keystore values.
2	Add target locations.	Define the schema namespace and the service namespace.
		Define the target location.

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	OCAL		Inbound Gateways				
🗹 Local	Gateway	Load Balancer	JMS Administration				
URL			Ping Gateway				
ateway Setup Propertie Load Gatewa							
Connectors			Personalize Find 🕮 🏙	FI	rst 1 of 1	0.1	as
*Connector ID	Description		*Connector Class Name				
1					Properties	+	G

Figure 8–7 Enter URL

	CLE		
Calar	101/0		
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

Favorites -	Main Menu - > Peopl	eTools *> Integration Broker *> Configuration *	> Gateways
ORACI	LE		
Gateway	/5		
Ga	teway ID LOCAL		Inbound Gateways
	Cocal Gateway	Load Balancer	JMS Administration
U	RL	7777/PSIGW/PeopleSoftListeningConne	Ping Gateway
And in case of the local division of the loc	tup Properties		
PeopleSof	t Integration Gateway - Goog		
D	77	77/PSIGW/PeopleSoftListeningConnecto	r
Peop	leSoft Integ	gration Gateway	
PeopleSoft	Listening Connector		
Tools Vers Status:ACT	ion : 8.53.06		

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 Gatew	ay	C Load Balancer	JAIS Administration			
URL		7777/PSiGt//PeopleSoftListeningConne	Ping Gateway			
Jateway Setup Properties						
Load Gateway Conn	rectors					
Connectors Connector ID	Description	Personalo 'Connector Clas	a Find 🕮 🔠 🛛 Finst	8 1-12 of 12	e u	ast
1 ASZTARGET		AS2TargetConn	edor	Properties	•	-
2 EXAMPLETARGETCONNO		ExampleTargetC	Connector	Properties	+	Ξ
3 FILEOUTPUT		SimpleFileTarpe	#Connector	Properties		-
4 FTPTARGET		FTPTargetConn	ector	Properties	•	Ξ
5 GETMAIL TARGET		GetMailTargetCo	onnedor	Properties	٠	-
6 HTTPTARGET		HtpTargetConn	edor	Properties	٠	-
7 (MISTARGET		UMSTargetConn	edar	Properties	۲	-
8 PSFT81TARGET		ApplicationMess	agingTargetConnector	Properties	٠	
9 PSFTTARGET		PeopleSoftTarp	#Connector	Properties	۲	
10 RIDCTARGET		RIDCTargetCon	nector	Properties	۲	
11 SETPTARGET		SFTPTargetCon	nedor	Properties	۲	-
12 SMTPTARGET		SMTPTargetCon	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		TTPS:CIIPsopeCoffLateringC	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

el - Navi Vera - Personitaria *1	Impaire Date: *	Collaration 7 (Damago						
ACLE								
		le Configuration d'Altri en mole con 11114/2010	alaya M	alaray (see b				_
Alternation and		App Server URL and Low 2000	(har 0) (41)	Passault	Tauto Rohanne B.13.54	Daniel Petraerol	Votasi berne bo	
LEILINGT	Property State	App Server 105	Test 1	Parrent	Taxes Related	(Vera Ad.) (77) 100 Recent Processed		
ETHALTHOUGH HINT-MOUGH HINT-MOUGH	Manuel Property	programming and a sector state	(MP)	_	3.0.8		Pagilada	88

Figure 8–13 Ping Node

Alteracy and a local second and	
Normality Date Manuari Millionement Millione Product distance of the second of the secon	
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Alex National Section (Section 1)	
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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

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Figure 8–16 Password Encryption

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	Class Balancer	Gateway Properties
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- **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

avorites - Main M	enu ≁ → PeopleTools	*> Integration Broker	Configuration *> Service Configuration					
Service Configuration	UDDI Configuration	Restricted Services	Exclude PSFT Auth Token					
3	Service Namespace	http://wnins.oracie.com/Enterprise/FSCM/service						
	Schema Namespace	http://wmins.oracle.com/Enterprise/FSCM/schema						
*Se	rvice System Status	Development	*					
		Enable Multi-queue						
*WSDL Ge	neration Alias Check	None	•					
	Last Updated	Target Location(s) Required Setup Target Locations	ired for Web Services Last Update Date					

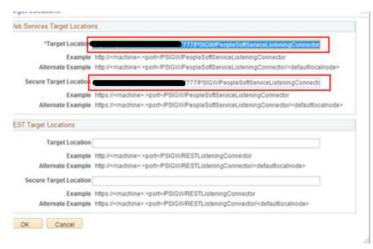


Figure 8–18 Target Locations

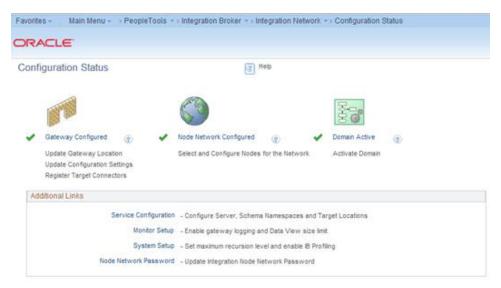
Verifying IB Configuration

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

PeopleSoft 8	
PeopleTools 8.5	
Application Designer	
🚯 Configuration Manager	
📖 Data Mover	5
Startup	
UltraVNC	
WCF RIA Services V1.0 SP1	
WinZip	
Back	
Search programs and files	Q
Search programs and files	Q

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

Figure 8–21 Signon

Inon	
ORACLE	E* PeopleTools 8.53.
Enter Signon Information B	elow:
Connection Type:	Oracle
Database Name:	
User ID:	VP1
	•••
Password:	

le	Edi	it	View	Insert	E	Build	De	bug	To	ols	Go	W	indo	w	Help						
				6												(7)	01	*()	()+	-0	
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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 🚺	ools Go Window Help		
	Validate Syntax Validate Project		4 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					
	Network	•				
	Thermony .	File name:			• [Open
						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

-TUPECE QO403HCE	already exists on database Q846SRCE
Please select to use	e the current project definition from the database,
or to overwrite th	ne existing project with the definition from file.
Use Project De	finition from:
C Database	
	overwrite existing database project definition, and use the and Take Action flags as set in the File project definition. e'' 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

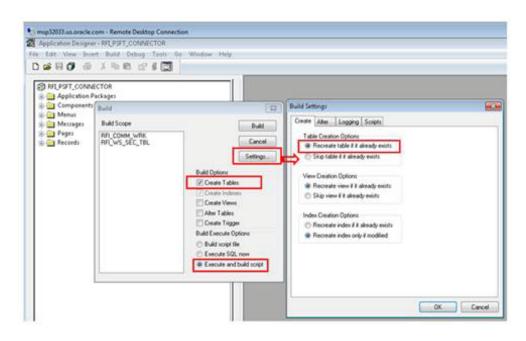
b. All record objects in project RFI_PSFT_CONNECTOR needs to be built. Select Build à Project menu.

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				

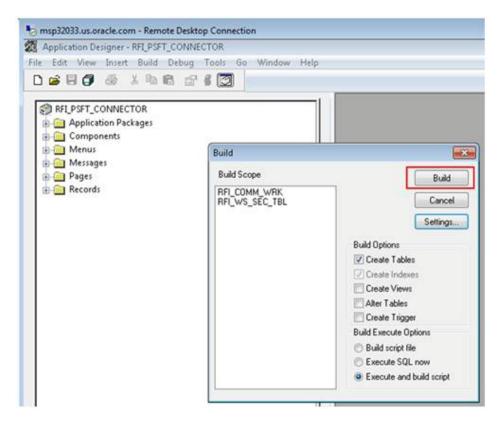
c. App Designer will list all the record objects to build. Select options as below.

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	ld 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

RELPSFT_CONNECTO Application Packag Components Menus Messages Pages Records		
2 Development 🙍	Upgrade	

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/AppCrate/	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 - > Peo	pleTools +> Integration Broke	r -> Integratio	n Setup Set	vices
DRACLE				Home V
Services - Search				
Search Criteria				
Service	SUF	19.	Add a New \	/alue
Search	REST Service			
Services	Persor	alize Find Vie	WAI (C) [BA W	First 1 of 1 & Last
Service	Service Alias	Object Ow ID		
SUPPLIERBUSINESSEVENTHANDLERSE	SupplierBusinessEventHandlerSet	rvice	SUPPLERBU	SINESSEVENTHANDLERSE

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

Figure 8–37 Service Operation

avorites - Main Menu - > Pe				
Services				
	LIERBUSINESSEVENTHAN		REST Ser	vice Type
*Description SUPPL	IERBUSINESSEVENTHAND	DLER		
Comments SUPP	LIERBUSINESSEVENTHAND	DLERSERVIC	E	
L			17	
Service Alias Suppli	erRusinessEventHandlerSei			
	erBusinessEventHandlerSei	•		
Owner ID		•	0.100	
Owner ID "Namespace http://w	ww.oracle.com/retail/rfi/psft/	•	rvice	
Owner ID "Namespace http://w nk Existing Operations		•	rvice	
Owner ID "Namespace http://w nk Existing Operations Service Operations	ww.oracle.com/retail/rfi/psft/	•	rvice	
Owner ID "Namespace http://w nk Existing Operations	ww.oracle.com/retail/rfi/psft/	•	rvice	
Owner ID "Namespace http://w nk Existing Operations Service Operations	ww.oracle.com/retail/rfi/psft/	•	Add	
Owner ID "Namespace http://w nk Existing Operations Service Operation Service Operation Operation Type	ww.oracle.com/retail/rfi/psft/	connector/se	Add	Last
Owner ID "Namespace http://w nk Existing Operations Service Operation Service Operation Operation Type	ww.oracle.com/retail/rfi/psft/ View WSDL	connector/se	Add	Last
Owner ID "Namespace http://w nk Existing Operations Service Operation Service Operation Operation Type	ww.oracle.com/retail/rfi/psft/ View WSDL sonalize Find View All	connector/se	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 States 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

RAL	LE								
teral 3	Handers Route	494							
	Service Operati	M HANDLESU	ONCODY	ENT					
	Default Vers	ion 11 Deer Exc	-						
		ole This upprint	ceptors at	this is applicable only	fan subound rouling-	central te determined. #	a valid outpoint route	g can be determined then	The user exception status a
		actual mutin	ception st g with the u	dus is applicable only sed		cannot be determined. If	a raid outboand route	ig can be determined then	The user exception status i
	N Routing Na	actual mutin	ception at g with the u	dua is applicable only eed.	f an exbound rouking Add	central te delermine d'	a valid outbound route	ig can be determined then	rthe user exception status s
Coulding C		actual mutin	cedgov tip	dua is applicable only eed		cannul be determined. If		g can be determined then	
Easting (Routing Na	actual mutin	g witt be u	dus is applicable only and Operation Type		Cannut be determined. If Received Node			
-	Acuting Na Defectures	schull muth	g witt be u		Add		Personaliza	Find (View All) (21) 20	Peet & suf t & 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

era fundes Balleat	Ill Routing Definit	tors		
Service Operative Instruction account of	Reading Definitions	Parameters Dame	clar Properties Read	ing Proceedies
Default Version V.t. 12 Oner Complexe None State provident status in applicative and K et addressed i	Servi	outing Name - APPCRITED		
address reading and the stated	Barrey a Cipano	Galeway D 2004		
Randing Same		Connector ID Letter Adult	Y	
Anders Calendron Ander Neuron Canonics from Ander No.		allowy Made Goarstood		
areas and a set of a	Connector	Parketalize P	HE MAN HE WARNED	THE PARTY N
markam America Rodrops Advance Second Rodrops	Property B	Property Same	Volum -	
Taxe Autoritity Taxota	HEADER	Contentinge	tertorni	14, 16
	HEADEN	sectorempresed	9	94, 18
ar i hanslinis i Rudings	HTTMISOPERTY	Instruct	Post	(A, 18)
	HTTPHICPERTY	SO/PLACHINE		4,3
	Photo Art. Mr.	145	Manager and April 199	wate any first \$4, 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	HANDLEBUSINESSEVENT		
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	Default Rective	
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 C Hundres Routings		🖢 Freghfalt Legisyes Field - Earspie Denme
Service Operation HIGH/CEB/CEB/CER/CER/CER/CER/CER/CER/CER/CER/CER/CER	425	Paneltes - Man Mans - > PaneleTods +> Magistion Disker +> Int
*Operation Description +++1.01.03/USI/0103300-01-0		ORACLE
Operation Commonts Prot.CLEBUITHEESEVENT Overset @ Coperation Alass KantebusinessEvent	El User Passe Heng Verification Service Open Decorty	Web Service Access
Default Service Operation Version		Permission Personalize (Red) [21] [22] Fast A 1 at 1 A Last
Warpen J/T	V Dufault K A	Promission Lind Access
Variant Description 314100,000/07/07001000/	Allowing Distant	NO.PL_NTEORNION Full Access • 1
Version Comments ** DO HOT REMONE ** Binding Style 304P DOCUMENT	Ang Ki-Local Local An-Local	
Ruttine Scheme Valdation	Rading Actions Upon Size	I fave 2 Relatitu 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	on status or
		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 distore 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	Ri Sanat Sanata Opera Sanata Opera	Parameters 0	LEBUSHESSEKHITISH I MISET		
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 Dankos eral Handers Rodings	HEADER HTTPPROPERTY	sandchcompress Method	et y Post	(a, 18) (a, 18)	
and Inductors Lincolleda	HTTPPROPERTY	S04PUgContent		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	C 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 Menu	 PeopleTools 	Integration Br	loker 1	ntegration Se	stup - Se
DRACL						
Services						
	Service	COMBO_CF_EDIT_REG	UEST		REST Servic	e Type
	Description	CF Combination Edit Res	tnor:]		
		Synchronous request f edting. Header record COMBO the first 3 fields. Detail COMBO_CF_MSG_D in	_CF_MSG_H only record	include	4	
5	ervice Alias	CFComboEdit				
	Owner ID	General Ledger	•			
	Namespace	http://xmins.oracle.com	Enterprise/FSCM	/service/C0	240	
ink Existing Ope	rations	View WSDL	Provide Web S	Service	Generate S0	AP Template
Service Opera	tions					
Servic	e Operation					
Op	eration Type		•	10	Add	
Existing Opera	tions	Personalize Find	View Alt	till : En	st * t of t 4	Last
Operation	Message Lini	a IIII)				
Operation Defau	It Version	Description		Active	Operation Type	
	and the second sec	ERSION_1 CF Combinal	the second state of the second state	2	Synch	

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 IRST 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	
& Status: Warning:	Message cannot be changed. Messag Structure references work records.	je used in exported WSDL. Explanation
Message: Version:	COMBO_CF_EDIT_REPLY VERSION_1	Schema Exists: Yes Part Message Exclude Description in Schema
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 ONonrowset-based
Service Operation Refere	nces	Container
/iew Records Only eft Right	View Included Fields Only	Add Record to Ro
COMBO_CF_EDIT_F	MSG_H	
	iave 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	1			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 Message: COMBO_CF_EDIT_REPLY Version: VERSION_1	records. Explanation Schema Exists: Yes
	Exclude Description in Schema
Description: CF Combination Edit Reply	Single Level 0 Row
Owner ID: General Ledger	Include Namespace Suppress Empty XML Tags
Comments: Synchronous reply for Chart combination editing request Header record COMBO_CF excludes the first 3 fields. D	Field Message Type MSG_H ® Rowset-based
Service Operation References	Container
view Records Only View Included eff Right	Fields Only Add 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

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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			Combination Edit Request			
Duse Service Alles in WSDL		Service Abes CF	CurreoEat			
U Ose Secare Target Location	00	enerate VVSDL 2.0				
Operations				Find View All 121	Trist 6.1	ars what
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_CF_ED/T_REFLY	VERSION_1	
Select All						

3. View WSDL and click Next.

Figure 8–60 View WSDL

Service

COMBO_CF_EDIT_REQUEST

Figure 8–61 Finish

Favorites - Main Menu - > PeopleTools	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

rovide Web Service Wizard	Step 4 of 4
1-2-3-4	< Previous Finish
Specify Publishing Options	
he WSDL for the selected services will be publ	lished to the PeopleSoft WSDL Repository.

5. Consume the WSDL or make the changes as required in third party system.

Provide Web Service Wizard	
Confirm Results	
New the WSDL Generation Log to confirm the results of the wizard.	
VSDL Generation Log:	
Service: COMB0_CF_EDIT_REQUEST has been exported.	
Inserted WSDL: COMBO_CF_EDIT_REQUEST.1 in the repository	
Generated WSDL URL	
PSIGWIPeopleSoftServiceListeningCor CF_EDIT_REQUEST.1 wsd	nedor/COMBO

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 Web	Service
-------------	-------------	---------

Provide Web Service Wizard			Step 1 of 4
()-@-@-@			Next >
Select Services			
Search Criteria			
Service Name	See Sector Constrained	RFLWV_DRILLFORW	ARD_SERVICE
Description	begins with		
	E		
Object Owner ID	equals	e	•

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

Figure 8–64 Service Operation

DRACLE	depailed Braker Web Service, Provide Web Service			
Provide Web Service Witzeld	3htp 2 of 4			
9-0-8-8	- Previous Sector			
Select Service Operations	Concernent Consect of the			
Delect one or more operations. No each service				
Service R1_WV_DRLLPDRW4RD_SERVICE	Description Involve Vaulter Ds			
ID the Service Alex in Will. ID One Secure Target Location	Service Alias Alterocoloff Investigation G Generate WSIX 2.8			
Operature		Fed I Vew At [13]	Fest P. Latt A. Last	
Service Operation De	normalise Contraction Respect Message	Response Message	Fault	
· Canada and a substantial statement of the substatement of the substatement of the substatement of the	DOT - Dynamous IPP, RV DIRLEPONYARD REQUEST VERS	ION 1 RPL WY DRLLFORMARD	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 Services
	.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/PSIGWIReopleSoftServiceLideningConnects RILLFORWARD_SERVICE1 ward	KRP_NV_D

For example:

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

9

ODI Setup Tasks

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.

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-flows/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/

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

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.

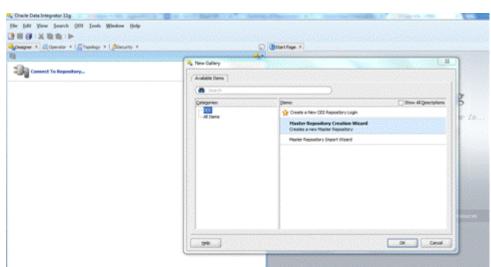


Figure 9–1 Master Repository Creation Wizard

- 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 9–2 Repository Configuration

	State Squater Co	Sy Marter Reporting Constant Wood - Days 1 of 2			
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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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Figure 9–3 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 9–4 Authentication

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is Reporting	Authentication			
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5. Click Finish.

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Figure 9–5 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 9–6 Oracle Data Integrator Login

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- **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 9–7 Repository Connection Information

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

Figure 9–8 Test

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

Figure 9–9 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 9–10 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 9–11 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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Figure 9–12 ODI Work Repository

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

Figure 9–13 Confirmation

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

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Figure 9–14 Login Name

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

Figure 9–15 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.

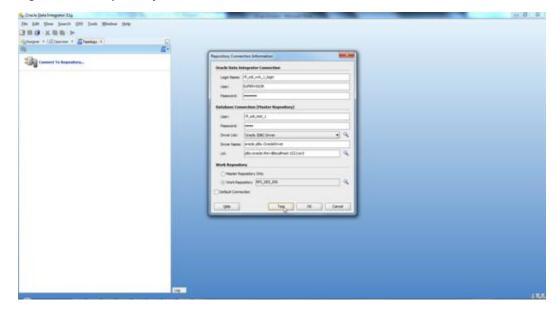
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Figure 9–16 Connect

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 9–17 Repository Connection Information



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

Figure 9–18 Test

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16. Select OK from Oracle Data Integrator Login dialog.

Figure 9–19 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 9–20 Import

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

Figure 9–21 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/.

Figure 9–22	Smart Import - Step 1 of 3
-------------	----------------------------

ile Selection			
File Selection	Integrator. To preset all fields	guide you through the process of importing objects into replay a previous Smart Import wizard execution select 	a Response File to

5. Click Next.

File Selection	No Issues			
Import Actions	Object Match Details	:(**	40) 6 5	****
Summary	Import Object	Action	Repository Object	t Issues
	Issue Details:		(#	\$\$)
	Issue Details: Issue Type	Description	Action	(a) (b) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c

Figure 9–23 Smart Import - Step 2 of 3

6. Click Finish.

Figure 9–24 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.xm
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 9–25 Database Connection Details



Table 9–1 Database Connection Details - Physical Server and Physical Schema

Physical Se	erver (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	rver (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
	Schema Password>		ODEI	0000001
RFI_ RETAIL_	User: <orfi Schema Name></orfi 	Update ORFI JDBCUrl	ORFI Schema	ORFI Schema
XREF	Password: <orfi Schema Password></orfi 			

 Table 9–1 (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 9–26 Verify

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Table 9–2 Logical Schema Mapping

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

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

 Table 9–2 (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 Ser	ver (Data Server)		Physical Sch	ema
Name	Definition > Connection	JDBC	Schema (Schema)	Schema (Work Schema)
PEOPLESOF T DS	User: < <i>APPS</i> Schema Name>	Update 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> 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
RFI	Schema Password> User: <orfi< td=""><td>Update ORFI</td><td>ORFI</td><td>ORFI Schema</td></orfi<>	Update ORFI	ORFI	ORFI Schema
RETAIL_	Schema Name>	JDBCUrl	Schema	ORTSchenia
XREF	Password: <orfi Schema Password></orfi 			

Table 9–3 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 9–4 Logical Schel	па марріпу
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 9–4 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 9–27 Agents

	Start Page Start Page RFL_AGENT Vew Schedule Update Schedule Te	t Generate Server Template Apply Settings (
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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 9–28 Configuration Type Window

Configuration Type				$\left(\right)$
Create Domain Templates JDK Selection Node Manager Configuration Progress End Of Configuration	What do you want to Create a new gom Update an existing Domain Location: 2	ain g domain	user_projects/domains/base_dom	ain] Browse
	Create a new domain.		k	

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

Figure 9–29 Templates Window



3. Chose the first checkbox, Oracle Data Integrator-Standalone Agent -12.2.1.2.0.



Figure 9–30 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 9–31 JDBC Component Schema Window

				FUSION I	IDDLEWARE	
Update Domain Templates JDK Selection Database Configuration Type Component Datasources	Vendor: Oracle DBMS/Service: <enter above="" am="" data="" edits="" i<="" owner:="" schema="" serv="" td="" the="" to="" varies="" will=""><td>vice Name> H ong compo S</td><td>oriver: "Oracle's D lost Name: <enter chema Password: d rows in the table I</enter </td><td>DB Host N Varies am</td><td>ame> Po</td><td>ort: <port></port></td></enter>	vice Name> H ong compo S	oriver: "Oracle's D lost Name: <enter chema Password: d rows in the table I</enter 	DB Host N Varies am	ame> Po	ort: <port></port>
JDBC Test	Component Schema	D8MS/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 End Of Configuration		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.

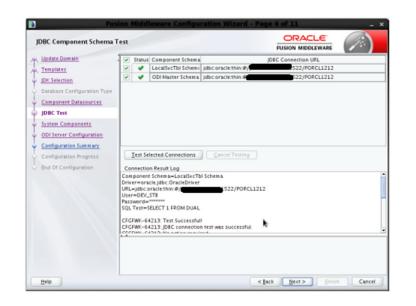


Figure 9–32 JDBC Component Schema Test Window

Figure 9–33 System Components Window

System Components				
Update Domain	• Add 💥 De	lete		🗐 Dis <u>c</u> ard Changes
JDK Selection	System Component	Component Type	Restart Interval Seconds	Restart Delay Seconds
Database Configuration Type	RFI_AGENT	ODI 👻	3600	
Component Datasources				
UDBC Test				
System Components				
ODI Server Configuration				
Configuration Summary				
Configuration Progress				
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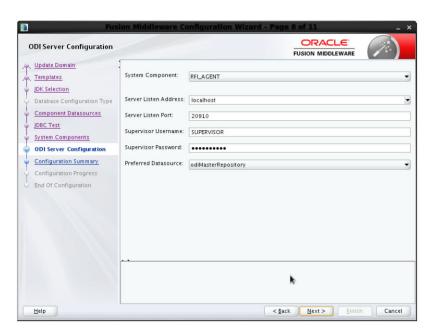


Figure 9–34 ODI Server Configuration Window

Figure 9–35 Configuration Summary Window

Configuration Summary			/·.
Update Domain Templates JDK Selection Database Configuration Type Component Datasources JDBC Test System Components ODI Server Configuration Configuration Progress End Of Configuration	View: System Components	Name: Server Listen Address: Server Listen Port: Supervisor Username: Preferred Datasource:	RFI_AGENT Jocalhost 20910 SUPERVISOR odiMasterRepositor
	Select Update to accept the above options and start ext configuration before Updating the domain, go back to t 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:

12.2.1.2 - date. Port: 20910. JMX Port: 21910. 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 9–36 Test Tab

Logical Architecture				RR_AGENT			
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	B-@ Agents B-@RFLACENT		Load balancing			Port	20910
				Web application context:	oraclediagent	Protocol:	http
			Flexfields				
						Maximum threads per session:	0
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Contrants Contrains				Maximum cache entries:	100		
Contrants Contrains				Unused Blueprint Lifetime (lec): 600		
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You should see this message.

Figure 9–37 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 9–38 Scheduling

		Definition	Scheduling [Scenario: HIGRATE_RHS_TO_EBIZ_ACC_ENTRY_PACKAGE / 001]				
Projecta		Exercision cyce					
Models	- 1 - E	Variables Proleges	Context: RETL_TO_EBEZ Agent: RFL_AGENT				
Load Plans and Scanarios	inder and the second second	Version	LogLevel: 5				
ar ∰Look (2004) TO (2004) And (2007) FACAL STOCK Tenson 601 ∰HORANE, 100 (2007) D.BLE ACC, ENTER J ANDRAE Tenson 601 Brief Tenadore Brief			Before © Aches > Deche > Deche O Alther for for period. Diskyrop Delay day latter with Delay free with Owned by: Owned by: Delay day latter with				
			Compt free days of the week Product Compt free days of the week Compt free days of the week Compt free days Compt Compt Compt C				

- 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.

10

BDI Application Installation Tasks

This chapter includes:

Hybrid Cloud

As part of hybrid cloud integration between retail apps and EBS, the retail applications are on cloud setup and EBS is on-premise. The Oracle Retail Financial Integration (RFI) layer serves as an intermediate thin layer of application between the financial application (EBS) 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 two different types' of integration deployment topologies.

- On-Premise Deployment Topology
- Hybrid Cloud Deployment Topology

This section mainly talks about Hybrid 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.

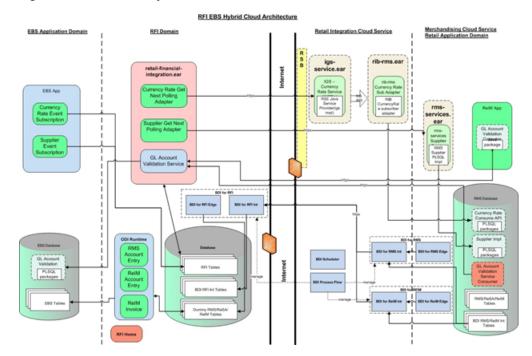


Figure 10–1 RFI EBS Hybrid Cloud Architecture

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

Rms-edge, reim-edge, bdi-rms and bdi-reim are sender side apps 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

Assuming that edge applications installation instructions are provided by RMS and ReIM application teams.

Rms-Edge-App: Please refer to RMS 16.0.023 install guide and create a RMS environment that includes BdiEdgeAppJobAdminPakForRms. Before you begin installing RMS Batch Job Admin, make sure you have the database schema created for RMS Batch Job Admin.

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

Reim-Edge-App: Please refer to ReIM 16.0.023 install guide and create a ReIM environment that includes BdiEdgeAppJobAdminPakForReim. Before you begin installing ReIM Batch Job Admin, make sure you have the database schema created for ReIM Batch Job Admin.

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

Note: The edge applications edge- reim, edge-rms schema need write permission to integration schema in order to write the data to the corresponding outbound tables.

For complete installation instructions follow the BDI Installation Guide.

Deploying BDI Batch Job Administration Applications

Before starting the installation procedure, identify the retail applications that are in-scope for this installation. BDI requires at least 2 applications in-scope, a sender app and a receiver app. Each bdi-app must be deployed on its own WebLogic managed server. Depending on the site specific deployment topology, create separate WebLogic domains OR managed servers to host the BDI apps in-scope.

Note: Repeat the procedures in this chapter for installing other applications that are in-scope.

Below are the instructions to deploy bdi integration applications (bdi-rms, bdi-reim, bdi-process-flow and bdi-scheduler) in the cloud and bdi-rfi on premise where EBS installed.

Deploying BDI RMS Batch Job Admin

This section describes the installation process for a sender app with the BDI-RMS app as an example.

Preparing the Database for BDI Batch Job Admin for RMS Installation

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

Please follow the below naming convention during schema creation for BDI RMS.

Example, BDI_RMS_INT_SCHEMA

Preparing the WebLogic Domain for BDI Batch Job Admin for RMS

- 1. Use the instructions provided in the document BDI Installation Guide to install WebLogic 12.2.1.2 and create a domain.
- **2.** Start the Admin and managed servers.

Deploying BDI RMS Batch Job Admin on the WebLogic

To deploy the BDI RMS Batch Job Admin war, perform the following steps.

 Download BdiIntJobAdminPak16.0.023ForRms16.0.023_eng_ga.zip to \$BDI_ HOME. **2.** Unzip the downloaded archive. The Bdi Job home directory will be created under the current directory.

```
unzip BdiIntJobAdminPak16.0.023ForRms16.0.023_eng_ga.zip
```

3. Edit the rms job configuration file to point to deployment environment (conf/bdi-job-admin-deployment-env-info.json) as follows:

```
cd bdi-int-rms-job-home/conf
vi bdi-job-admin-deployment-env-info.json
```

4. Provide the following values in the JSON file.

Configuration Property	Description
BdiRmsJobAdminDataSource -> jdbcUrl	The JDBC URL for the Oracle database where the RMS integration schema resides.
	Suggested schema user BDI_RMS_INT_SCHEMA
BdiRmsReceiverServiceDataSourc e -> jdbcUrl	The JDBC URL for the Oracle database where the RMS integration schema resides. BdiRmsJobAdminDataSource and BdiRmsReceiverServiceDataSource can use the same jdbcUrl.
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 RMS Admin app is deployed.
JobAdminAppServer->weblogicD omainHome	The domain path where BDIRMS Adminapp is deployed
JobAdminAppServer -> weblogicDomainAdminServerUrl	Admin Server URL of the BDI RMS Admin App - http:// <admin host="">:<admin port=""></admin></admin>
JobAdminAppServer->weblogicD omainAdminServerProtocol	AdminServer protocol which is by default t3, For SSL deployment update to t3s.
JobAdminAppServer -> weblogicDomainAdminServerHo st	Host Name of the BDI RMS Admin Server
JobAdminAppServer -> weblogicDomainAdminServerPor t	BDI RMS Admin Server Port
JobAdminAppServer -> weblogicDomainTargetManagedS erverName	Managed Server Name where BDI RMS Admin App is installed (e.g. bdi-rms-server)
JobAdminAppServer ->	Job Admin URL of BDI RMS
jobAdminUiUrl	http:// <host>:<managed server<br="">port>/bdi-rms-batch-job-admin</managed></host>
RfiJobAdminAppServer ->	Job Admin URL of BDI RFI
jobAdminUiUrl	http:// <host>:<rfi managed="" server<br="">port>/bdi-rfi-batch-job-admin</rfi></host>

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

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

cd bdi-int-rms-job-home/bin bdi-job-admin-deployer.sh -setup-credentials -deploy-job-admin-app

6. Enter the values prompted by the script for following credentials 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
bdiJobMonitorUiUserAlias	Credentials for Monitor Role user for Job Admin app
bdiJobAdminDataSourceUserAlias	Credentials for the Data Source of the Job Admin Schema
bdiRms Receiver Service Data Source User Alias	Credentials for the Data Source of the Job Receiver Schema
batchInfraDataSourceUserAlias	Credentials for the Data Source of the Batch Infra Schema
rxmJobAdminBaseUrlUserAlias	BDI RXM job admin app credentials
simJobAdminBaseUrlUserAlias	BDI SIM job admin app credentials
rfiJobAdminBaseUrlUserAlias	BDI RFI job admin app credentials

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

cd bdi-int-rms-job-home chmod -R 700 .

Creating Outbound Interface tables for BDI RMS

- 1. Go to the \$BDI_HOME/bdi-int-rms-job-home/setup-data/ddl folder.
- **2.** Run the sql script bdi_rms_ddl.sql provided in this folder in the BDI RMS database schema.
- **3.** DDL generates the necessary interface tables and PL/SQL packages.

Deploying BDI REIM Batch Job Admin

This section describes the installation process for a sender app with the BDI-REIM app as an example.

Preparing the Database for BDI Batch Job Admin for REIM Installation

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

Please follow the below naming convention during schema creation for BDI REIM.

Example, BDI_REIM_INT_SCHEMA

Preparing the WebLogic Domain for BDI Batch Job Admin for REIM

- **1.** Use the instructions provided in the document BDI Installation Guide to install WebLogic 12.2.1.2 and create a domain.
- 2. Start the Admin and managed servers.

Deploying BDI REIM Batch Job Admin on the WebLogic

To deploy the BDI REIM Batch Job Admin war, perform the following steps.

- 1. Download BdiIntJobAdminPak16.0.0231ForReim16.0.023_eng_ga.zip to \$BDI_ HOME.
- **2.** Unzip the downloaded archive. The Bdi Job home directory will be created under the current directory.

```
unzip BdiIntJobAdminPak16.0.023ForReim16.0.023_eng_ga.zip
```

3. Edit the reim job configuration file to point to deployment environment (conf/bdi-job-admin-deployment-env-info.json) as follows:

```
cd bdi-int-reim-job-home/conf
vi bdi-job-admin-deployment-env-info.json
```

4. Provide the following values in the JSON file.

Configuration Property	Description
BdiReimJobAdminDataSource -> jdbcUrl	The JDBC URL for the Oracle database where the REIM integration schema resides.
	Suggested schema user BDI_REIM_INT_SCHEMA
BdReimReceiverServiceDataSourc e -> jdbcUrl	The JDBC URL for the Oracle database where the REIM integration schema resides. BdiReimJobAdminDataSource and BdiReimReceiverServiceDataSource can use the same jdbcUrl.
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 REIM Admin app is deployed.
JobAdminAppServer->weblogicD omainHome	The domain path where BDIREIM Adminapp is deployed
JobAdminAppServer -> weblogicDomainAdminServerUrl	Admin Server URL of the BDI REIM Admin App - http:// <admin host="">:<admin port=""></admin></admin>
JobAdminAppServer->weblogicD omainAdminServerProtocol	AdminServer protocol which is by default t3, For SSL deployment update to t3s.
JobAdminAppServer -> weblogicDomainAdminServerHo st	Host Name of the BDI REIM Admin Server
JobAdminAppServer -> weblogicDomainAdminServerPor t	BDI REIM Admin Server Port
JobAdminAppServer -> weblogicDomainTargetManagedS erverName	Managed Server Name where BDI REIM Admin App is installed (e.g. bdi-rms-server)

Configuration Property	Description
JobAdminAppServer -> jobAdminUiUrl	Job Admin URL of BDI REIM
	http:// <host>:<managed server<br="">port>/bdi-rms-batch-job-admin</managed></host>
RfiJobAdminAppServer -> jobAdminUiUrl	Job Admin URL of BDI RFI
	http:// <host>:<rfi managed="" server<br="">port>/bdi-rfi-batch-job-admin</rfi></host>

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

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

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

6. Enter the values prompted by the script for following credentials 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
bdiJobMonitorUiUserAlias	Credentials for Monitor Role user for Job Admin app
bdiJobAdminDataSourceUserAlias	Credentials for the Data Source of the Job Admin Schema
bdiRmsReceiverServiceDataSourceUserAli as	Credentials for the Data Source of the Job Receiver Schema
batchInfraDataSourceUserAlias	Credentials for the Data Source of the Batch Infra Schema
rfiJobAdminBaseUrlUserAlias	BDI RFI job admin app credentials

- 7. The deployer script deploys BDI REIM Batch Job Admin to the managed server.
- **8.** Restrict access to the bdi-int-reim-job-home folder:

cd bdi-int-reim-job-home chmod -R 700 .

Creating Outbound Interface tables for BDI ReIM

- 1. Go to the \$BDI_HOME/bdi-int-reim-job-home/setup-data/ddl folder.
- **2.** Run the sql script bdi_reim_ddl.sql provided in this folder in the BDI REIM database schema.

3. DDL generates interface tables and PL/SQL packages.

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.

Example, BDI_RFI_INT_SCHEMA

Preparing the WebLogic Domain for BDI Batch Job Admin for RFI

1. Assuming that WebLogic 12.2.1.2 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.

- 1. Download BdiIntJobAdminPak16.0.023ForRfi16.0.023_eng_ga.zip to \$BDI_HOME.
- **2.** Unzip the downloaded archive. The BDI Job home directory will be created under the current directory.

```
Unzip BdiIntJobAdminPak16.0.023ForRfi16.0.023_eng_ga.zip.
```

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

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

4. Provide the following values in the JSON file.

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

Configuration Property	Description
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>:<bdi managed="" rms="" server<br="">port>/bdi-rms-batch-job-admin</bdi></host>
ReimJobAdminAppServer -> jobAdminUiUrl	Job Admin URL of BDI REIM
	http:// <host>:<bdi managed="" reim="" server<br="">port>/bdi-reim-batch-job-admin</bdi></host>

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

cd bdi-int-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
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	BDI RMS job admin app credentials
reimJobAdminBaseUrlUserAlias	BDI REIM job admin app credentials

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-int-rfi-job-home
chmod -R 700 .
```

Creating Inbound Interface tables for BDI RFI

- 1. Go to \$BDI_HOME/bdi-int-rfi-job-home/setup-data/ddl folder.
- 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 BdiProcessFlow16.0.023ForAll16.x.xApps_eng_ga.zip
- **2.** Unzip the downloaded archive. The Process Home directory will be created under the current directory.

unzip BdiProcessFlow16.0.023ForAll16.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.

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 ->weblogicDomainName	Name of the WebLogic domain where the process flow application is deployed

Configuration Field	Description
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
->processFlowAdminUiUrl	the host and port
RmsJobAdminAppServer>jobAdminUiUrl	BDI RMS job admin URL
ReimJobAdminAppServer>jobAdminUiUrl	BDI REIM job admin URL
RfiJobAdminAppServer>jobAdminUiUrl	BDI RFI job admin URL
RmsAppJobAdminAppServer -> jobAdminUiUrl	RMS APP job admin URL
ReimAppJobAdminAppServer -> jobAdminUiUrl	REIM APP job admin URL
RfiAppJobAdminAppServer -> jobAdminUiUrl	RFI 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, REIM and RFI, the rms_rfi-no_split_flows, reim_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/.
cp bdi-process-home/setup-data/dsl/available_process_flow_options/reim_
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

Alias	Description
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
rmsJobAdminBaseUrlUserAlias	BDI RMS job admin app credentials
reimJobAdminBaseUrlUserAlias	BDI REIM job admin app credentials
rfiJobAdminBaseUrlUserAlias	BDI RFI job admin app credentials
rmsappJobAdminBaseUrlUserAlias	RMS APP job admin credentials
reimappJobAdminBaseUrlUserAlias	REIM APP job admin credentials
rfiappJobAdminBaseUrlUserAlias	RFI APP job admin credentials

- 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.

Synonyms and Grant Privileges

Synonyms in reim-edge app

Check if the below synonyms are present. If the synonyms are not present, create them.

For example, if rms app schema given for JobXmlDataSource of reim-edge app is rms01app

rms owner schema is rms01 reim bdi int app JobAdminDataSource schema is BDI_REIM_INT_SCHEMA

create or replace synonym rms01.INVCMTCHAP_TX_OUT_DATACTL for BDI_ REIM_INT_SCHEMA.INVCMTCHAP_TX_OUT_DATACTL;

create or replace synonym rms01.INVCMTCHFIN_TX_OUT_DATACTL for BDI_ REIM_INT_SCHEMA.INVCMTCHFIN_TX_OUT_DATACTL;

create or replace synonym rms01.IM_AP_HEAD_OUT for BDI_REIM_INT_ SCHEMA.IM_AP_HEAD_OUT;

create or replace synonym rms01.IM_AP_DETAIL_OUT for BDI_REIM_INT_ SCHEMA.IM_AP_DETAIL_OUT;

create or replace synonym rms01.IM_FINANCIALS_OUT for BDI_REIM_INT_ SCHEMA.IM_FINANCIALS_OUT;

In addition, create synonyms in the rms01app schema for the same synonyms present in rms01.

create synonym INVCMTCHAP_TX_OUT_DATACTL for rms01.INVCMTCHAP_TX_ OUT_DATACTL;

create synonym INVCMTCHFIN_TX_OUT_DATACTL for rms01.INVCMTCHFIN_ TX_OUT_DATACTL;

create synonym IM_AP_HEAD_OUT for rms01.IM_AP_HEAD_OUT;

create synonym IM_AP_DETAIL_OUT for rms01.IM_AP_DETAIL_OUT;

create synonym IM_FINANCIALS_OUT for rms01.IM_FINANCIALS_OUT;

Synonyms in rms-edge app

Check if the below synonyms are present. If the synonyms are not present, create them.

For example, if rms app schema given for JobXmlDataSource of reim-edge app is rms01app rms owner schema is rms01 rms bdi int app JobAdminDataSource schema is BDI_RMS_INT_SCHEMA

create or replace synonym rms01.FINGENLDGR_TX_OUT_DATACTL for BDI_RMS_ INT_SCHEMA.FINGENLDGR_TX_OUT_DATACTL;

create or replace synonym rms01.FIF_GL_DATA_OUT for BDI_RMS_INT_ SCHEMA.FIF_GL_DATA_OUT;

In addition, create synonyms in the rms01app schema for the same synonyms present in rms01.

create synonym FINGENLDGR_TX_OUT_DATACTL for rms01.FINGENLDGR_TX_ OUT_DATACTL; create synonym FIF_GL_DATA_OUT for rms01.FIF_GL_DATA_ OUT;

Grant Privileges for Bdi--Reim--Int App

Grant SELECT, INSERT privileges to *_OUT tables and EXECUTE privilege to PACKAGES from BDI_REIM_INT_SCHEMA (bdi reim JobAdminDataSource schema) to rms01 (rms owner schema).

Execute the grant_privildges_bdi_to_reim_for_ebs.sql (present under \$BDI_ HOME/bdi-int-rfi-job-home/setup-data/ddl folder) from BDI_REIM_INT_SCHEMA schema. **Note:** Please provide rms owner schema as input while executing the grant script.

Grant Privileges for Bdi--Rms--Int App

Grant SELECT, INSERT privileges to *_OUT tables and EXECUTE privilege to PACKAGES from BDI_RMS_INT_SCHEMA (bdi rms JobAdminDataSource schema) to rms01 (rms owner schema).

Execute the grant_privildges_bdi_to_rms_for_ebs.sql (present under \$BDI_ HOME/bdi-int-rfi-job-home/setup-data/ddl folder) from BDI_REIM_INT_SCHEMA schema

Note: Please provide rms owner schema as input while executing the grant script.

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 RFI_COMM_WPIK RFI_WS_SEC_TBL	Build Options Cancel Settings Create Tables Create Indexes Create Views After Tables Create Views After Tables Create Signer Build scopt file Execute SQL now	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		
RFI_COMM_WRK RFI_WS_SEC_TBL	Cancel Settings Build Options Create Tables Create Indexes Create Verves Alter Tables Create Tables Create Tables Create Tables Create Tables Create Tables Build Execute Options	Application Designer Open lile operation failed for lile C-Wisen'suffuser VepDieta'sLoca/Temp121V/SBUILD-SQL (76.2) OK Explain	1
	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 - > Pe	opleTools +> Integration Broker +	Integration 5	Setup == Servi	ces
DRACLE				Home W
Services - Search				
Search Criteria				
Service	SUF	72	Add a New Va	lue
Search	REST Service			
Services	Personalize			First 1 of 1 1 Last
Service	Service Alias	Object Owner ID	Description	
SUPPLIERBUSINESSEVENTHANDLERS	E SupplierBusinessEventHandlerService		SUPPLERBUSI	NESSEVENTHANDLERSE

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

Figure A–6 Service Operation

ORACLE		
General Handlers Routings		
Service Operation Operation Typ *Operation Description	e Synchronous	
Operation Comment		User/Password Required *Reg Verification Service Operation Security
Owner I	•	
Operation Alian	handleBusinessEvent	Used with Think Time Methods
Default Service Operation Version		
"Version	M	@ Default @ Active
Version Description	HANDLEBUSINESSEVENT	Routing Status
Version Comments	** DO NOT REMOVE **	dans for 2 month . Press and assist

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						
		Distant 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			Linna be determined. If	a and internet the	mg Ger Se delarronal fra	n the yaar anception induce of
Evenue 7	Rooting Rame	This year anisphon actual coulog wit be		Far sitioand roding	Linnel be determined. If	a sabit huttaunit mu		
Reading De		This year anisphon actual coulog wit be			Linnel in defermined. If	Percendo Record	nig (en te determine) ha e) Field (Vien Int (\overline{O}^{0}) \overline{D}	
Rading De		The university of the actual set of the second s	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 adheared in aduat reading will be need. Naming Extense Reading Tables Mile: They are societion to be need. Additional tables Mile: They are societion to be need. Additional tables additional tables additional tables to be need.	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/normaleased		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								
Domair	Statu	IS							
Domain C	iteria								
Refre	Purge Do ish	main Si	Update		Grace Period for all Domains (Minutes)		Failover Dis	abled .	
Domains						Personalize (Find View /	u (🕮 (💷	First
Failover Group	Failor Prior		Machine N	lame	Application Server Path		Domain Status	Grace Period	Slave In
			msp5222	9	/u00ioracle/product/PT8.53/ps.dghome/appa	ervitscmdmo	Active •		1
Dispatche	Status				Personalize Find	E Pr	st 1-3 of 3	& Last	
Machine Na	me	Dispate	ther Name	Applica	ition Server Path		tring Date/Tim	ne Stamp	
msp52229		PSBR	DSP_dft	/100/01	ade/product/PT8.53/ps:dphome/appservfscmd	mo ACT			
msp52229		PSPUE	SOSP_afit	/u00/or	ade/product/PT8.53/psclphome/appsen/fscmd	mo ACT			
	http://www.msp52229 PSPUBDSP_dft http://www.sp52229 PSSUBDSP_dft		several and the	A Populari	/u00/oracle/product/PT8.53/psclphome/appservitscmdmo_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 = > Danglas 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	Constant Constant	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:-

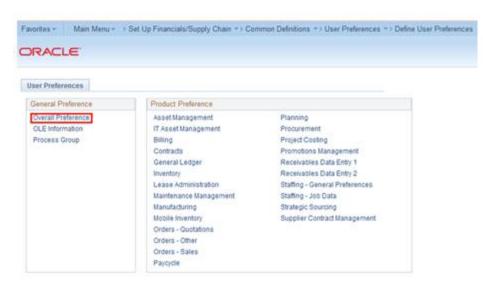


Figure A–11 Define User Preferences

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 – JSON Configuration

RFI Configuration Property Name	Description	Example Value/Default Value	Value Editable?
RfiDeploymentEnvInfo			l
integrationToEbsOrPsft		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	Ν
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
dataSourceJndiName	JNDI name used by the RFI application to connect to the AQ 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.	Specify the connection URL for ample.com:1521/orcl	
jdbcUserAlias	User name alias. Do not change the default value.	rmsDataSourceUserAlias	Ν
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 database.	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 AQ database	jdbc/RfiDataSource	N
jdbcUrl	RFI JDBC connection URL. Please specify the connection URL for your RFI DB.	specify the connection URL for mple.com:1521/orcl	
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	application to connect to the	
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 GET_FROM_WALLET master repository database.		N
jdbcPassword	Password for the ODI master repository database. GET_FROM_WALLET		N
OdiWorkDataSource	ODI work repository database con	nection details	

Table B–2 (Cont.) EBS – 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	Ν
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	Υ

Table B–2 (Cont.) EBS – JSON Configuration

RFI 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	Υ
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	viceEndPointSecurityPol Valid values are PolicyA, PolicyB		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	Y

 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 GET_FROM_WALLET address.		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.		
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	bli for Currency Rate service End -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		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		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	Ν
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? Y
jdbcUrl	RMS JDBC connection URL. Specify the connection URL for RMS DB.	jdbc:oracle:thin:@//rmsdbhost.ex ample.com:1521/orcl	
jdbcUserAlias	User name alias. Do not change the default value.		
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	Ν
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.		
jdbcUser	User (schema name) for the RFI database.		
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	JNDI name used by the RFI application to connect to the jdbc/OdiMasterDataSource	
jdbcUrl	ODI JDBC connection URL	ODI JDBC connection URL jdbc:oracle:thin:@//odimasterhos tname.us.custom.com:1521/plgdb	
jdbcUserAlias	Jdbc user name alias. Do not change the default value. odiMasterDataSourceUserAlias		Ν
jdbcUser	User (schema name) for the ODI master repository database.		
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 OdiWorkDataSource ODI work database Do not change the default value.		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	RfiAppServer- WebLogic domain configuration details		
weblogicDomainName	RfiAppServer configuration, WebLogic domain name	RFIDomain	Y
weblogicDomainHome	RFI domain home.	RFI domain home. <wls-home>/user_ projects/domains/RFIDomain</wls-home>	
weblogicDomainAdmin ServerUrl	n WebLogic domain admin server t3://rfiserver.example.c		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	ervEnd 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	ndPointSecurityPoli Valid values are PolicyA, PolicyB		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 GET_FROM_WALLET End point User name.		N
drillBackForwardUrlSer viceEndPointPassword	DrillBackForward Url Service End point User password.	GET_FROM_WALLET	N
drillBackForwardUrlSer viceEndPointSecurityPol icyName			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".		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.		
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	Ν
currencyRateServiceEnd PointUser	UserName for Currency Rate service.	GET_FROM_WALLET	N
currencyRateServiceEnd PointPassword	Password for for Currency Rate GET_FROM_WALLET service.		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 supplierServiceEndPointUs s		N	
supplierServiceEndPoint User	UserName for Supplier Service GET_FROM_WALLET End point User.		Ν	
supplierServiceEndPoint Password	Password for Supplier service.	Password for Supplier service. GET_FROM_WALLET		
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 supplier#keystore-password-user- for Supplier Service End point User Alias		N	
supplierServiceEndPoint PolicyBSecurityPolicy.ws KeyPublicPrivateKeyAli as	WSKeyPublicPrivateKey Alias for Supplier Service End point User 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.			
weblogicDomainAdmin ServerUserAlias	PSFT WebLogic domain admin server user alias psftAppServerAdminServerUser Alias		N	
weblogicDomainAdmin ServerUser	PSFT WebLogic admin server GET_FROM_WALLET user name.		N	
weblogicDomainAdmin ServerPassword	PSFT WebLogic admin server GET_FROM_WALLET password.		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				
Property Name	Description	Example Value/Default Value	Value Editable?	
comboChartFieldService EndPointUserAlias	PeopleSoft comboChart FieldcomboChartFieldServiceEndPointservice End point User Alias.UserAlias		N	
comboChartFieldService EndPointUser	PeopleSoft comboChart Field service End point Username.	GET_FROM_WALLET	Ν	
comboChartFieldService EndPointPassword	PeopleSoft comboChart field service End point Username Password. GET_FROM_WALLET		N	
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	Ν	
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)			
rfilnvoiceDrillForwardS erviceEndPointPolicyBS ecurityPolicy.wsKeystor ePasswordUserAlias	RFI Invoice drill forward service EndPoint WebserviceKeyStore Password User alias.	payTerm#keystore-password-user -alias	N	
rfilnvoiceDrillForwardS 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	N
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