Informatica®

Informatica® Cloud Data Integration

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Oracle E-Business Suite Connector

Informatica Cloud Data Integration Oracle E-Business Suite Connector

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October 2022

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Table of Contents

Preface 4

Informatica Resources 4

- Informatica Documentation 4
- Informatica Intelligent Cloud Services web site 4
- Informatica Intelligent Cloud Services Communities 4
- Informatica Intelligent Cloud Services Marketplace 4
- Data Integration connector documentation 5
- Informatica Knowledge Base 5
- Informatica Intelligent Cloud Services Trust Center 5
- Informatica Global Customer Support 5

Chapter 1: Introduction to Oracle E-Business Suite Connector 6

Oracle E-Business Suite Connector assets 6

Chapter 2: Connections for Oracle E-Business Suite 8

Oracle E-Business Suite connection properties 8

Chapter 3: Synchronization Tasks with Oracle E-Business Suite 9

Oracle E-Business Suite Sources in Synchronization Tasks 9

Oracle E-Business Suite Targets in Synchronization Tasks 10

Configuring WebService 10

Chapter 4: Mappings and Mapping Tasks with Oracle E-Business Suite 12

Oracle E-Business Suite Sources in Mappings 12

Oracle E-Business Suite Targets in Mappings 12

Chapter 5: Troubleshooting 14

Troubleshooting an Oracle E-Business Suite Connection 14

Chapter 6: FAQ 15

Index 18

Preface

Use *Oracle E-Business Suite Connector* to learn how to read from or write to the Oracle E-Business Suite application by using Cloud Data Integration. Learn to create a connection, develop and run synchronization tasks, mappings and mapping tasks in Cloud Data Integration.

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The telephone numbers for Informatica Global Customer Support are available from the Informatica web site at https://www.informatica.com/services-and-training/support-services/contact-us.html.

CHAPTER 1

Introduction to Oracle E-Business Suite Connector

You can use Oracle E-Business Suite Connector to connect to Oracle E-Business Suite from Data Integration. Use Oracle E-Business Suite Connector to read data from or write data to Oracle E-Business Suit.

You can use Oracle E-Business Suite objects as sources and targets in synchronization tasks, mapping, and mapping tasks.

When you run a task or mapping, the Secure Agent uses the Oracle E-Business Suite API to perform the specified operation and reads data from or writes data to Oracle E-Business Suite application.

You can switch the mapping to advanced mode to include transformations and functions that enable advanced functionality.

Note: You can use Oracle E-Business Suite Connector only on Windows operating system.

Oracle E-Business Suite Connector assets

Create assets in Data Integration to integrate data using Oracle E-Business Suite Connector.

When you use Oracle E-Business Suite Connector, you can include the following Data Integration assets:

- Mapping
- Mapping task
- Synchronization task

For more information about configuring assets and transformations, see *Mappings*, *Transformations*, and *Tasks* in the Data Integration documentation.

The following table lists the Oracle E-Business Suite object services type:

Module Object	Description	WSDL
HR	Get Absence Details	PER_ABSENCE_RECORD
HR	Get Location Details	HR_LOCATION_RECORD
AR	Get Installment	AR_PREPAYMENTS_PUB
INV	Get Serial Difference	INV_SERIAL_NUMBER_PUB

Module Object	Description	WSDL
OM	Get Order	OE_ORDER_PUB
AP	Create Supplier Header	AP_VENDOR_PUB_PKG
AR	Create Customer Header	HZ_CUST_ACCOUNT_V2PUB
FA	Create Asset	FA_ADDITION_PUB
AR	Create AR Invoice	AR_INVOICE_API_PUB
INV	Generate Serial Number	INV_SERIAL_NUMBER_PUB
AR	Create Miscellaneous AR Receipt	AR_RECEIPT_API_PUB
AR	Create and Apply AR Receipt	AR_RECEIPT_API_PUB
SYS	Create User	FND_USER_PKG
HR	Create Location	HR_LOCATION_API
OM	Update Order Header	OE_ORDER_PUB
OM	Update Order Line	OE_ORDER_PUB

CHAPTER 2

Connections for Oracle E-Business Suite

Create an Oracle E-Business Suite connection to connect to Oracle E-Business Suite and read data from or write data to Oracle E-Business Suite. You can use Oracle E-Business Suite connections in synchronization tasks, mappings, and mapping tasks.

You can create an Oracle E-Business Suite connection on the **Connections** page and use the connection in the Synchronization Task wizard or Mapping Task wizard when you create a task.

Oracle E-Business Suite connection properties

When you create an Oracle E-Business Suite connection, you must configure the connection properties.

The following table describes the Oracle E-Business Suite connection properties:

Property	Description
Runtime environment	The name of the runtime environment where you want to run the tasks.
Username	The username of the Oracle E-Business Suite account.
Password	The password of the Oracle E-Business Suite account.
Service Config Name	The name of configuration file along with the file extension. For example, `EBSWSDLConfig.ini` In the configuration file, the first line must contain the URL for user authentication. For example, `http://HostName:Port Number/webservices/SOAProvider/plsql/fnd_user_pkg/?wsdl` **Note:** You must configure the configuration file before you create a new Oracle E-Business Suite connection in the following location: `<Secure Agent installation directory>\apps\Data_Integration_Server\ext\deploy_to_main\bin\rdtm-extra\reserved\userfiles\EBSMidStream`

.

CHAPTER 3

Synchronization Tasks with Oracle E-Business Suite

You can configure the Oracle E-Business Suite source and target properties in the Synchronization task wizard.

Oracle E-Business Suite Sources in Synchronization Tasks

You can configure the Oracle E-Business Suite source properties on the **Source** page of the Synchronization Task wizard.

The following table describes the Oracle E-Business Suite source properties:

Property	Description
Connection	Name of the Oracle E-Business Suite source connection.
Source Type	Type of the Oracle E-Business Suite source object available.
Source Object	Select the Oracle E-Business Suite source object. **Note:** You can select the list of operations available in the WSDL.
Display technical names instead of labels	Displays technical names instead of business names.

Note: When you set a value for the input parameter, the Oracle E-Business Suite method returns one or more records depending on the method. Each input parameter methods are different for each methods.

Oracle E-Business Suite Targets in Synchronization Tasks

You can configure the Oracle E-Business Suite target properties on the **Target** page of the Synchronization Task wizard.

The following table describes the Oracle E-Business Suite target properties:

Property	Description
Connection	Name of the Oracle E-Business Suite target connection.
Target Object	Type of the Oracle E-Business Suite target object.
Child Object	This attribute is not applicable for Oracle E-Business Suite Connector.
Create Target	Creates a target. **Note:** When you select **Create Target** and write data to a flat file, you must remove all the element under the input parameter field.
Display target fields in alphabetical order	Displays target fields in alphabetical order. By default, fields appear in the order returned by the target system.

The following table describes the Oracle E-Business Suite advanced target properties:

Property	Description
Responsibility	Responsibility name to initialize the Oracle application.
RespApplication	Responsibility application name.
SecurityGroup	Security Group name to initialize the Oracle application.
NLSLanguage	The NLSLanguage for the user to use in the Oracle application.
Org_Id	Organization ID to initialize the Oracle application.

Configuring WebService

The WSDL contains WebService operation methods that are configured in the `EBSWSDLConfig.ini` file. Ensure that you add the WSDL URLs in the following location:

```
<Secure Agent installation directory>\apps\Data_Integration_Server\ext\deploy_to_main\bin
\rdtm-extra\reserved\userfiles\EBSMidStream
```

The following image shows the `EBSWSDLConfig.ini` file:



Note: In all the above configured URLs, the `fnd_user_pkg` parameter is mandatory and Oracle E-Business Suite use the parameter for user authentication. For example, `http://hostname:8005/webservices/SOAProvider/plsql/fnd_user_pkg/?wsdl`

There might be multiple WSDL configuration files but Oracle E-Business Suite uses only one WSDL file in the **Service Config Name** connection property. The host name is unique across all the WSDL configuration files. The host name should be the same for all the WSDL URLs.

CHAPTER 4

Mappings and Mapping Tasks with Oracle E-Business Suite

Use the Data Integration Mapping Designer to create a mapping. In advanced mode, the Mapping Designer updates the mapping canvas to include transformations and functions that enable advanced functionality.

Oracle E-Business Suite Sources in Mappings

To read data from an Oracle E-Business Suite, configure an Oracle E-Business Suite object as the Source transformation in a mapping.

Specify the name and description of the Oracle E-Business Suite source. Configure the source properties for the source object.

The following table describes the Oracle E-Business Suite source properties:

Property	Description
Connection	Name of the Oracle E-Business Suite source connection.
Source Type	Type of the Oracle E-Business Suite source object available.
Source Object	Select the Oracle E-Business Suite source object. **Note:** You can select the list of operations available in the WSDL.
Display technical names instead of labels	Displays technical names instead of business names.

Oracle E-Business Suite Targets in Mappings

To write data to an Oracle E-Business Suite target, configure an Oracle E-Business Suite object as the Target transformation in a mapping.

Specify the name and description of the Oracle E-Business Suite target. You can configure the target and advanced properties for the target object.

The following table describes the Oracle E-Business Suite target properties:

Property	Description
Connection	Name of the Oracle E-Business Suite target connection.
Target Object	Type of the Oracle E-Business Suite target object.
Child Object	This attribute is not applicable for Oracle E-Business Suite Connector.
Display target fields in alphabetical order	Displays target fields in alphabetical order. By default, fields appear in the order returned by the target system.

The following table describes the Oracle E-Business Suite advanced target properties:

Property	Description
Responsibility	Responsibility name to initialize the Oracle application.
RespApplication	Responsibility application name.
SecurityGroup	Security Group name to initialize the Oracle application.
NLSLanguage	The NLSLanguage for the user to use in the Oracle application.
Org_Id	Organization ID to initialize the Oracle application.

CHAPTER 5

Troubleshooting

Use the following sections to troubleshoot errors when you use Oracle E-Business Suite Connector.

Troubleshooting an Oracle E-Business Suite Connection

When you create an Oracle E-Business Suite connection, the connection fails with the following error message: C:\PROGRA~1\INFORM~2\apps\Data_Integration_Server\27.0.1\ICS\main\bin\rdtm-extra\reserved\userfiles\EBSMidStream\EBSWSDLConfig.ini (The system cannot find the file specified)

This issue occurs because the `EBSWSDLConfig.ini` file does not exist in the `rdtm-extra` directory.

To solve the issue, you must copy the `EBSWSDLConfig.ini` file to the required folder before you create an Oracle E-Business Suite connection.

Perform the following steps to copy the file to the required folder:

1. Create the required directory in the following location:
   `<Secure Agent installation directory>\apps\Data_Integration_Server\ext\deploy_to_main\bin\rdtm-extra\reserved\userfiles\EBSMidStream`
2. Copy the `EBSWSDLConfig.ini` file to the following directory:
   `<Secure Agent installation directory>\apps\Data_Integration_Server\ext\deploy_to_main\bin\rdtm-extra\reserved\userfiles\EBSMidStream`
3. Restart the Secure Agent.

CHAPTER 6

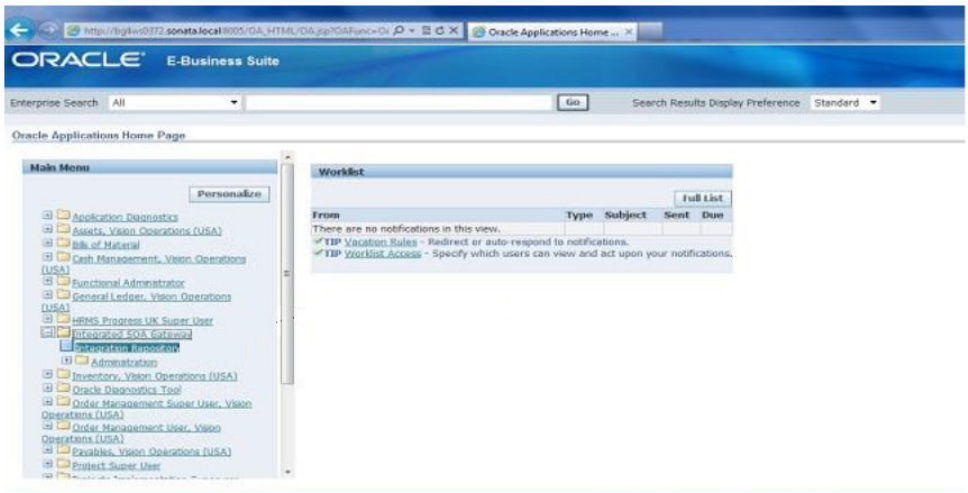
FAQ

How to generate Oracle E-Business Suite WSDL and deploy into the application server?

Perform the following steps to create an Oracle E-Business Suite WSDL:

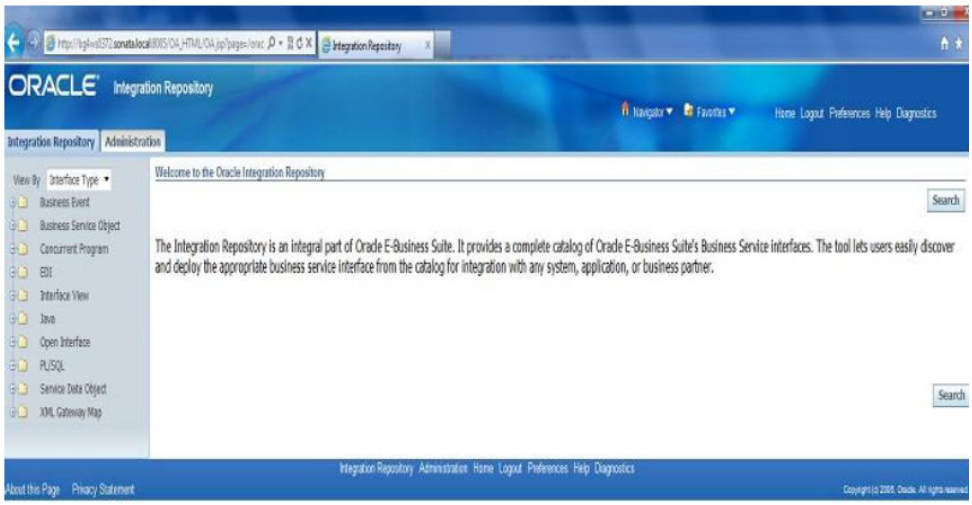
1. Log in to the Oracle E-Business Suite application.
   The **Oracle Application Home Page** appears.

   The following image shows the **Oracle Application Home Page**:



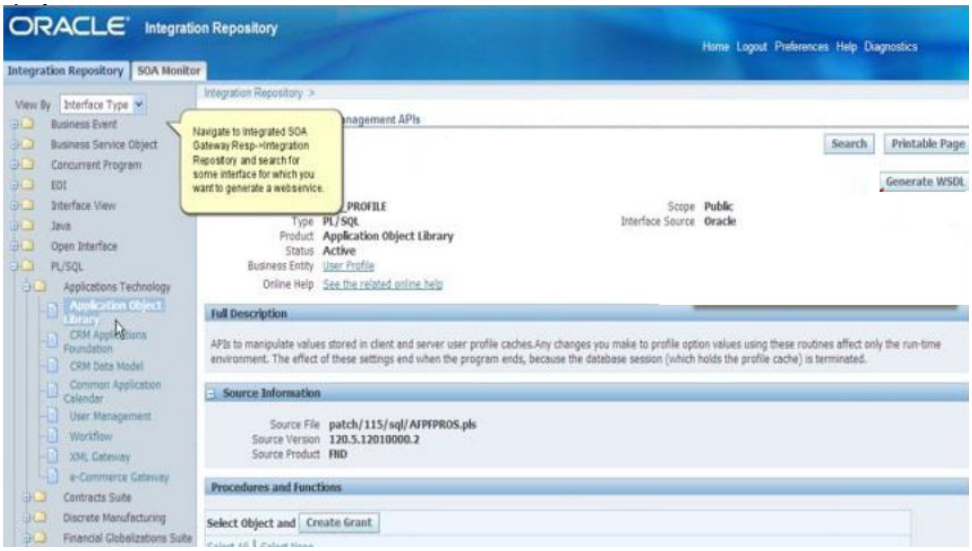
2. Click **Integration Repository** under the **Main Menu** section.
   The **Integration Repository** tab appears.

The following image shows the **Integration Repository** tab:



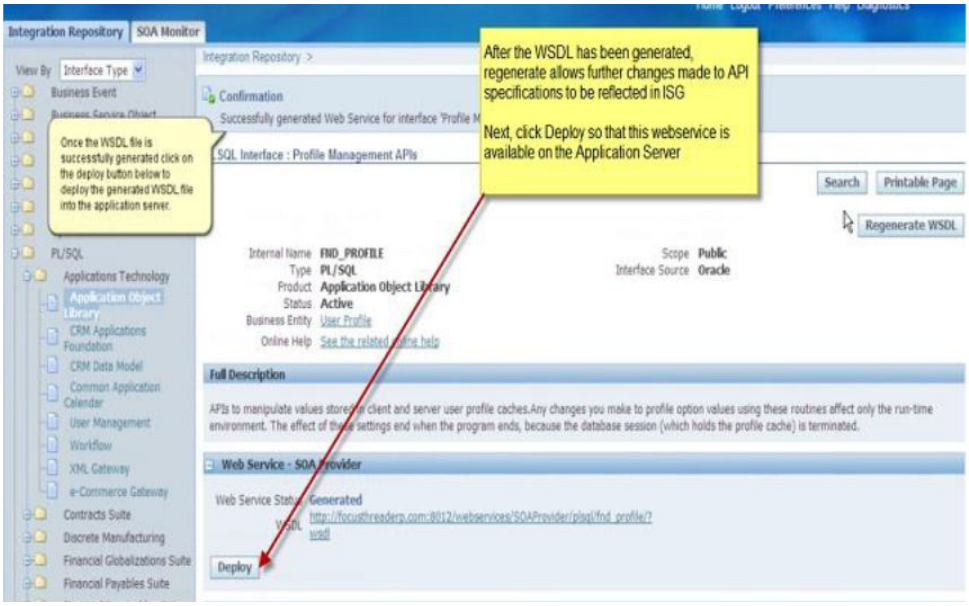
3. Select the value of the **View By** option as **Interface Type** from the drop down list.
   The complete catalog of Oracle E-Business Suite's Business Service interfaces appears.
4. Expand the PL/SQL folder from the list of the Oracle E-Business Suite's Business Service interfaces and expand the Application Technology sub-folder.
5. Click the **Application Object Library** file.
   The **PL/SQL Interface: Profile Management APIs** page appears.

   The following image shows the **PL/SQL Interface: Profile Management APIs** page:



6. Click **Generate WSDL** to generate PL/SQL API into WSDL.

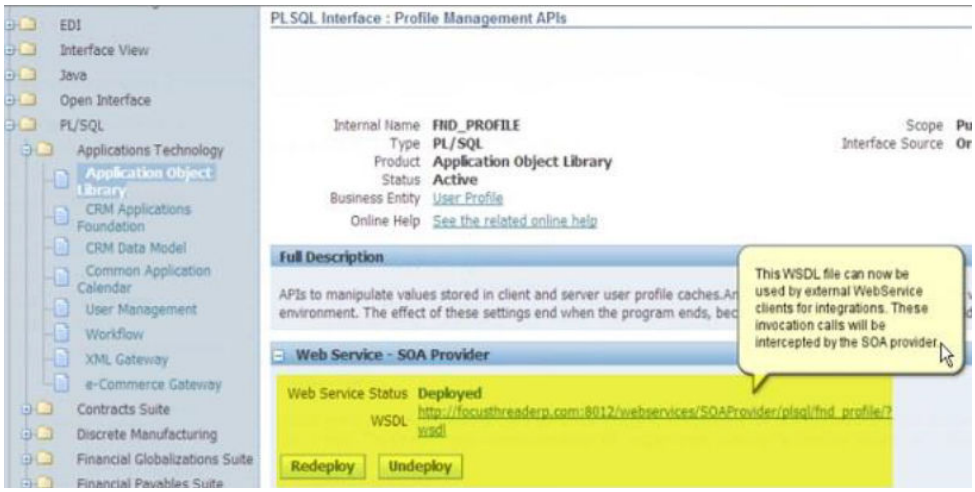
A confirmation message appears after you generate the WSDL successfully. The following image shows the **PL/SQL Interface: Profile Management APIs** page where the confirmation message appears:



7. Click **Deploy** to deploy the generated WSDL file into the application server.
   Any external WebServices can use the WSDL for integrations after you deploy the generated WSDL file.

   Note: The SOA provider intercepts these invocation calls.

   The following image shows the **Web Service - SOA Provider** section:



INDEX

C

Cloud Application Integration community
  URL 4
Cloud Developer community
  URL 4
connections
  Oracle E-Business Suite 8

D

Data Integration community
  URL 4

I

Informatica Global Customer Support
  contact information 5
Informatica Intelligent Cloud Services
  web site 4

M

maintenance outages 5

O

Oracle E-Business Suite
  connection properties 8
  generating WSDL 15
Oracle E-Business Suite connection
  Troubleshoot 14
Oracle E-Business Suite connections
  overview 8
Oracle E-Business Suite Connector
  supported object types 6
  overview 6
  supported task types 6
Oracle E-Business Suite source
  mapping 12
  Synchronization task 9
Oracle E-Business Suite target
  mapping 12
  Synchronization task 10

S

status
  Informatica Intelligent Cloud Services 5
system status 5

T

trust site
  description 5

U

upgrade notifications 5

W

web site 4