Informatica

Informatica® Cloud Data Integration

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Oracle E-Business Suite Interface Connector

Informatica Cloud Data Integration Oracle E-Business Suite Interface Connector

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October 2022

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Preface

Use Oracle *E-Business Suite Interface 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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CHAPTER 1

Introduction to Oracle E-Business Suite Interface Connector

You can use Oracle E-Business Suite Interface Connector to connect to Oracle E-Business Suite from Data Integration. Use Oracle E-Business Suite Interface Connector to read data from or write data using interface tables to Oracle E-Business Suite application.

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

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

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

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

Oracle E-Business Suite Interface Connector assets

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

When you use Oracle E-Business Suite Interface 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.

Rules and Guidelines for Oracle E-Business Suite Interface Operations

Consider the following rules and guidelines when you perform read, insert, or update operations.

Consider the following rules and guidelines when you perform a read operation:

- When you perform a read operation, Oracle E-Business Suite Interface returns all the records from the Oracle E-Business Suite Interface system to target system.
- You can use Oracle E-Business Suite Interface Connector to read only standard tables or views.
- Systems objects are omitted when you fetch the list of tables or views.
- You can use the search option to fetch the required Oracle E-Business Suite Interface table.
- All the table and view names are prefixed with the schema name.

Consider the following rules and guidelines when you perform an insert operation:

- When you insert data in the interface table, use the following example as a reference:

  ```
  RA_CUSTOMERS_INTERFACE_ALL _TAB_ColumnName1, RA_CUSTOMERS_INTERFACE_ALL
  _TAB_ColumnName2…, RA_CUSTOMER_PROFILES_INT_ALL_TAB_ColumnName1,
  RA_CUSTOMER_PROFILES_INT_ALL_TAB_ColumnName2
  ```

  Here, `RA_CUSTOMERS_INTERFACE_ALL` and `RA_CUSTOMER_PROFILES_INT_ALL` are the interface tables for the customer.
- Set the input parameter value of the `RA_CUSTOMERS_INTERFACE_ALL _TAB_INSERT_UPDATE_FLAG` and `RA_CUSTOMER_PROFILES_INT_ALL_TAB_INSERT_UPDATE_FLAG` columns to `I` in the `RA_CUSTOMERS_INTERFACE_ALL` and `RA_CUSTOMER_PROFILES_INT_ALL` tables for the customer interface.
- Set the input parameter value of the `WIP_JOB_SCHEDULE_INTERFACE_TAB_LOAD_TYPE` column to `1` in the `WIP_JOB_SCHEDULE_INTERFACE` table for the WIP interface.
- When you enter the date values of the input parameter, you must use the `DD-MON-YY` format.

Consider the following rules and guidelines when you perform an update operation:

- Set the input parameter value of the `RA_CUSTOMERS_INTERFACE_ALL _TAB_INSERT_UPDATE_FLAG` and `RA_CUSTOMER_PROFILES_INT_ALL_TAB_INSERT_UPDATE_FLAG` columns to `U` in the `RA_CUSTOMERS_INTERFACE_ALL` and `RA_CUSTOMER_PROFILES_INT_ALL` tables for the customer interface.
- Set the input parameter value of the `RA_CUSTOMERS_INTERFACE_ALL_TAB_ SITE_USE_CODE` and `RA_CUSTOMERS_INTERFACE_ALL_TAB_ PRIMARY_SITE_USE_FLAG` columns to blank for the customer interface.
- Set the input parameter value of the `WIP_JOB_SCHEDULE_INTERFACE_TAB_LOAD_TYPE` column to `3` in the `WIP_JOB_SCHEDULE_INTERFACE` table for the WIP interface.
- When you enter the date values of the input parameter, you must use the `DD-MON-YY` format.

CHAPTER 2

Oracle E-Business Suite Interface Connections

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

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

Before you establish an Oracle E-Business Suite Interface connection, you must have a valid account, application user name, and credentials to access the Oracle E-Business Suite application.

When you perform an insert operation, the Secure Agent loads the data in the interface table and calls the concurrent program.

Oracle E-Business Suite Interface connection properties

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

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

Property	Description
Runtime environment	The name of the runtime environment where you want to run the tasks.
Oracle Host Name	Enter the required Oracle host name.
Oracle Port No	Enter the port number.
Oracle Service Name	Enter the Oracle service name.
Username	The username of the Oracle E-Business Suite Interface account.

Property	Description
Password	The password of the Oracle E-Business Suite Interface account.
Application Username	Enter the application user name of the Oracle E-Business Suite Interface account.
Service Config File Name	The name of configuration file along with the file extension. For example, `EBSInterfaceTablesConfig.ini` You need the configuration file to set up connection properties to the Oracle E-Business Suite and to add interface table names. **Note:** The interface table names are used only in write operations. You must place the configuration file in the following directory: `<Secure Agent installation directory>\apps\Data_Integration_Server\ext\deploy_to_main\bin\rdtm-extra\reserved\userfiles\oraclEBS\` The configuration file must be in the following format: `Schema, Concurrent Program Name, FALSE_TABLELIST_Customer Interface table 1, Customer Interface table 2....Customer Interface table n.` For example, `AR,RACUST,CustomerInterface,FALSE_TABLELIST_RA_CUSTOMERS_INTERFACE_ALL,RA_CUSTOMER_PROFILES_INT_ALL.`
Parameter Config File Name	The name of configuration file along with the file extension. For example, `EBSConcurrentProgramConfig.ini` You need the configuration file to pass parameters to call the concurrent programs. **Note:** This configuration file is used only in write operation. You must place the configuration file in the following directory: `<Secure Agent installation directory>\apps\Data_Integration_Server\ext\deploy_to_main\bin\rdtm-extra\reserved\userfiles\oraclEBS\` The configuration file must be in the following format: `Name of the Module_ PARAMLIST_Parameter List Start, Parameter 1, Parameter2....., Parameter n, Parameter List End.` For example, `CustomerInterface_PARAMLIST_Parameter List Start, CREATE_RECIPROCAL_CUSTOMER :=N,ORG_ID :=204, Parameter List End.`

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CHAPTER 3

Synchronization Tasks with Oracle E-Business Suite Interface

Use a Synchronization task to synchronize data between a source and target.

You can configure a synchronization task using the Synchronization Task wizard.

When you create a task, you can associate it with a schedule to run it at specified times or on regular intervals. Or, you can run it manually. You can monitor tasks that are currently running in the activity monitor and view logs about completed tasks in the activity log.

Oracle E-Business Suite Interface Sources in Synchronization Tasks

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

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

Property	Description
Connection	Name of the Oracle E-Business Suite Interface source connection.
Source Type	Type of the source object.
Source Object	Name of the Oracle E-Business Suite Interface source object.
Display source fields in alphabetical order	Displays source fields in alphabetical order. By default, fields appear in the order returned by the source system.

Note: Oracle E-Business Suite Interface Connector supports only the simple filter. When you filter the date fields, you must use the `dd-MON-yyyy` format.

Oracle E-Business Suite Interface Targets in Synchronization Tasks

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

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

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

Property	Description
Batch Size	Minimum number of rows in a batch. Enter a number greater than 0. Default is 100. **Note:** You can increase the value of the batch size field up to 2000 for better performance.
Concurrent Program Config File	Name of the concurrent program `EBSConcurrentProgramConfig.ini` file.
Enable Concurrent Program	Enables the concurrent program. Default is disabled.

CHAPTER 4

Mappings and Mapping Tasks with Oracle E-Business Suite Interface Connector

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 Interface Sources in Mappings

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

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

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

Property	Description
Connection	Name of the Oracle E-Business Suite Interface source connection.
Source Type	Type of the source object.
Source Object	Name of the Oracle E-Business Suite Interface source object.
Display source fields in alphabetical order	Displays source fields in alphabetical order. By default, fields appear in the order returned by the source system.
Operation	The target operation. Select Insert or Update.

Oracle E-Business Suite Interface Targets in Mappings

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

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

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

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

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

Property	Description
Batch Size	Minimum number of rows in a batch. Enter a number greater than 0. Default is 100. **Note:** You can increase the value of the batch size field up to 2000 for better performance.
Concurrent Program Config File	Name of the concurrent program `EBSConcurrentProgramConfig.ini` file.
Enable Concurrent Program	Enables the concurrent program. Default is disabled.

CHAPTER 5

Troubleshooting

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

Troubleshooting an Oracle E-Business Suite Interface Connection

When you use an Oracle E-Business Suite Interface connection to configure a synchronization task, the target property does not display target objects in the Target Object field.

This issue occurs because the `EBSInterfaceTablesConfig.ini` and `EBSConcurrentProgramConfig.ini` files do not exist in the `rdtm-extra` directory.

To solve the issue, you must copy the `EBSInterfaceTablesConfig.ini` and `EBSConcurrentProgramConfig.ini` files to the required folder before you create an Oracle E-Business Suite Interface connection.

Perform the following steps to copy the files 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\oraclEBS\`
2. Copy the `EBSInterfaceTablesConfig.ini` and `EBSConcurrentProgramConfig.ini` files to the following directory:
   `<Secure Agent installation directory>\apps\Data_Integration_Server\ext\deploy_to_main\bin\rdtm-extra\reserved\userfiles\oraclEBS\`
3. Restart the Secure Agent.

CHAPTER 6

FAQ

How to create a new user in the database?

A new user gets the access to read all the base tables or views, and write to all the interface tables in a `.ini` file.

Perform the following steps to create a new user in the database:

1. Connect to the database as `sysdba`.
2. Create a user name in the `<username>` format and set a password in the `<password>` format.
3. Grant session to the user.

How to grant different privileges to a user?

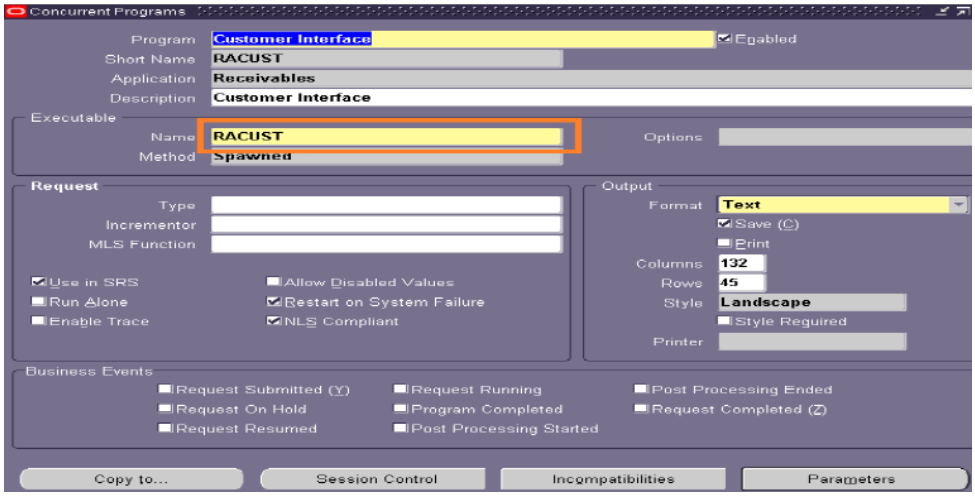
1. Connect to the database as `sysdba`.
2. Enter the following to grant different privileges to a user:

```
GRANT SELECT ON [Schema].[Table] TO [User}
GRANT INSERT ON [Schema].[Table] TO [User]
```

How to configure the .ini file with parameters?

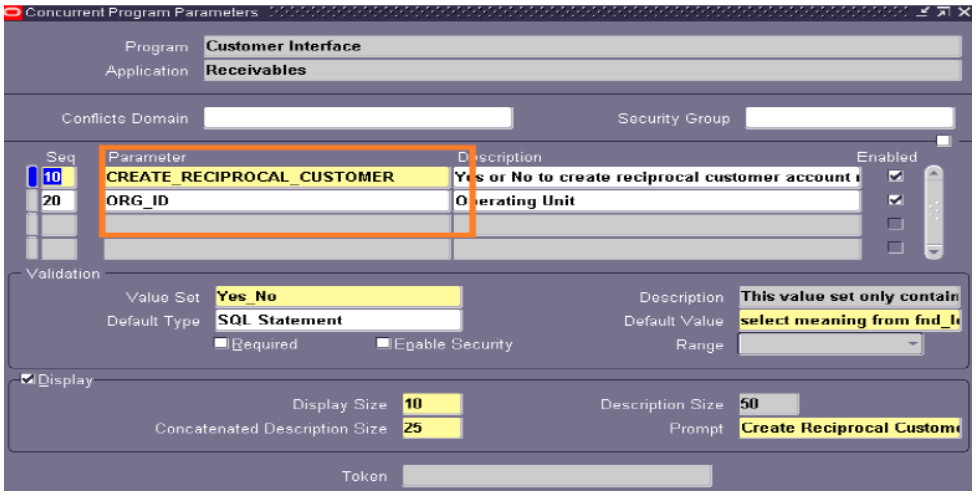
A user must specify the list of interface tables and programs associated to the `.ini` file.

1. Open the **Application Developer**.
2. Navigate to **Concurrent** > **Program**.
   The following image shows the **Concurrent Program** page:



3. Specify the value of the **Program** field.
4. Under the **Executable** session, specify the value of the **Name** field.

5. Click **Parameters**.
   The following image shows the **Parameters** page:

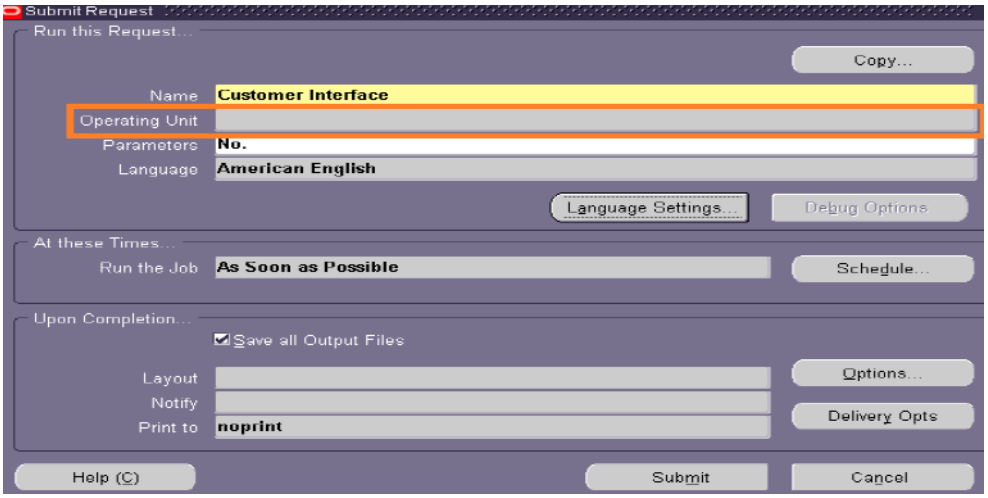


6. Enter the values of the **Parameter** fields for the `.ini` files.

How to set the `MORG ID` parameter?

We can set the `MORG ID` parameter in two ways:

- Select the program and enable the **Operating Unit** field, you will get the `MORG ID` in the **Parameter** field.
  The following image shows the **Submit Request** page where you can obtain the `MORG ID` parameter:



- Run the following command:

```
Select MULTI_ORG_CATEGORY from FND_CONCURRENT_PROGRAMS where
concurrent_program_name=<<ProgramShortName Ex: RACUST as input>>
```

  If the value of the `MULTI_ORG_CATEGORY` is `S`, you will get the `MORG ID` in the **Parameter** field.

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