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1. Oracle FLEXCUBE - GL Integration

1.1 Introduction

Oracle GL is the central repository hosting the general ledger (GL) of your bank. Oracle FLEXCUBE needs to handoff an ASCII file of all the accounting entries posted to its GL during the day to the Oracle GL. Oracle FLEXCUBE will send this handoff file to Oracle GL on a daily basis. On completion of the transfer a message will be sent to Oracle GL system to indicate the availability of the handoff file.

Oracle FLEXCUBE GL collates the accounting entries from all the modules within Oracle FLEXCUBE and transmits the relevant information to its Data Extraction layer. This layer further interfaces with Oracle FLEXCUBE's external adapter which processes the data as per the requirements of Oracle GL and transmits the same to it.

For further details refer the chapter titled 'Enterprise GL Integration' in the General Ledger User Manual.

1.2 GL Extraction Infrastructure

Data extraction process is an End of Day process in Oracle FLEXCUBE which is executed during the End of Financial Input stage. In this stage the system consolidates the accounting entries from different modules and passes them on to the extraction layer.

After the data extraction is complete, a notification will be triggered in Oracle FLEXCUBE to indicate to the adapter layer about the readiness of the data. In cases where a single bank-wide handoff is required, the notification alert will be provided only after the data extraction is complete in all transaction branches.

1.2.1 Oracle CCID Mapping Parameters

In addition to the maintenances detailed in the 'Enterprise GL Integration' chapter (GL user manual), you need to map Oracle Code Combination ID (CCID) to Oracle FLEXCUBE parameters. This is a Head Office level maintenance.

You can do this mapping through the 'Oracle CCID Parameters' screen.

Here you can capture the following details:

Enterprise GL

The system displays the code representing Oracle GL.

Segments Map

The system displays thirty segments that form part of the Oracle CCID. You need to specify the appropriate Oracle FLEXCUBE parameter for each of them. The adjoining option lists display a definite set of Oracle FLEXCUBE parameters that need to be mapped.

The order in which these attributes are chosen should be same as the order expected in Oracle GL system. Choose Oracle FLEXCUBE GL Codes as attributes against each segment values while defining the CCID.

The different attributes that can be chosen to be mapped to any of the thirty segments as follows:

Attribute	Description
GL_CODE	Oracle FLEXCUBE GL Code
BRANCH_CODE	Oracle FLEXCUBE Branch Code
CCY	Currency
BRANCH_GL_CATEGORY	Oracle FLEXCUBE Branch Code appended with GL Category
TXN_MIS_1..TXN_MIS_10	Transaction MIS Class fields (ten in number)
CUST_MIS_1..CUST_MIS_10	Customer MIS Class fields (ten in number)
COMP_MIS_1..COMP_MIS_10	Composite MIS Class fields (ten in number)

1.2.2 Oracle CCIDs Handoff

During the data extraction process in EOFI stage, for each accounting entry, Oracle FLEXCUBE will derive the values for parameters mapped in 'Oracle CCID Mapping Parameters'. If Oracle GL's reference called Oracle CCID for such combination of values is not available, a unique reference (called Oracle FLEXCUBE CCID) for that combination will be auto generated and store in the system. Reporting of such entries will happen via Oracle FLEXCUBE CCID. The 'Oracle CCID Handoff' screen enables you to inform Oracle GL system about the data relating to all such CCID combinations for which Oracle CCID is missing.



On triggering this process, a notification will be sent to the Oracle GL Database Adapter Layer. On receipt of such notification, an XML message will be created with the CCID combinations for which Oracle CCID is missing. Such XML message will be transmitted to Oracle GL system through the application Adapter Layer.

1.2.3 Oracle GL Database Adapter Layer

On receipt of the notification regarding completion of data extraction, the Oracle GL Adapter Layer will read the data from the daily handoff data store and generate an ASCII file. During this process the system will also check whether there is any translation of information required. The fields that require translation will be updated in ASCII handoff after translating the information into external values.

You can define the translation parameters using the 'Oracle GL Translation' screen.



Translation Type:

Specify the translation type corresponding to the Oracle CCID attributes provided in the data extraction layer. You can specify any on the following types:

- GL_CODE
- BRANCH_CODE
- CCY
- BRANCH_GL_CATEGORY

- TXN_MIS_1..TXN_MIS_10
- CUST_MIS_1..CUST_MIS_10
- COMP_MIS_1..COMP_MIS_10

Oracle FLEXCUBE Value:

State the Oracle FLEXCUBE value corresponding to the translation type specified.

External Value:

Specify the equivalent value in Oracle GL system for the combination of Translation Type and Oracle FLEXCUBE Value entered above.

On completion of ASCII file formation an XML message will be sent back to the Application Server Layer which in turn will pass it on to Oracle GL System to signal availability of the ASCII handoff file.

1.3 Message Formats

The hand-off file will be generated in the following format:

Field Name	Data Type	Remarks
SET_OF_BOOKS_ID	VARCHAR2(15)	To be derived based on Branch Code
USER_JE_SOURCE_NAME	VARCHAR2(25)	Oracle FLEXCUBE
USER_JE_CATEGORY_NAME	VARCHAR2(25)	Oracle FLEXCUBE_Module
ORACLE_CCID	NUMBER	This will be populated if Oracle code combination id is available in Oracle FLEXCUBE. Otherwise, it will be populated as null.
CURRENCY_CODE	VARCHAR2(3)	Original Currency. (Flexcube Format)
ACCOUNTING_DATE	DATE	Booking Date
ENTERED_DR_FCY	NUMBER(24,3)	Consol Debit Amount in FCY. Applicable only for foreign currency records. This should be Zero if the record is for Credit.
ENTERED_CR_FCY	NUMBER(24,3)	Consolidated Credit amount in FCY. Applicable only for foreign currency records. This should be Zero if the record is for Debit.
ENTERED_DR_LCY	NUMBER(24,3)	Consol Debit Amount in LCY. This should be Zero if the record is for Credit.
ENTERED_CR_LCY	NUMBER(24,3)	Consolidated Credit amount in LCY. This should be Zero if the record is for Debit.
CONTEXT	VARCHAR2(255)	Additional Remarks

Field Name	Data Type	Remarks
EXTERNAL_GL_CODE	VARCHAR2(30)	This will be populated if Oracle CCID is not available. This represents the Oracle CCID equivalent in Oracle FLEXCUBE.
SEGMENT1	VARCHAR2(25)	This will be derived based on the Oracle FLEXCUBE GL attribute to which the segment is mapped. This shall be populated only if Oracle CCID is not available
SEGMENT2	VARCHAR2(25)	This will be derived based on the Oracle FLEXCUBE GL attribute to which the segment is mapped. This shall be populated only if Oracle CCID is not available
SEGMENT3	VARCHAR2(25)	This will be derived based on the Oracle FLEXCUBE GL attribute to which the segment is mapped. This shall be populated only if Oracle CCID is not available
SEGMENT4	VARCHAR2(25)	This will be derived based on the Oracle FLEXCUBE GL attribute to which the segment is mapped. This shall be populated only if Oracle CCID is not available
SEGMENT5	VARCHAR2(25)	This will be derived based on the Oracle FLEXCUBE GL attribute to which the segment is mapped. This shall be populated only if Oracle CCID is not available
SEGMENT6	VARCHAR2(25)	This will be derived based on the Oracle FLEXCUBE GL attribute to which the segment is mapped. This shall be populated only if Oracle CCID is not available
SEGMENT7	VARCHAR2(25)	This will be derived based on the Oracle FLEXCUBE GL attribute to which the segment is mapped. This shall be populated only if Oracle CCID is not available

Field Name	Data Type	Remarks
SEGMENT8	VARCHAR2(25)	This will be derived based on the Oracle FLEXCUBE GL attribute to which the segment is mapped. This shall be

Field Name	Data Type	Remarks
		populated only if Oracle CCID is not available.
SEGMENT9	VARCHAR2(25)	This will be derived based on the Oracle FLEXCUBE GL attribute to which the segment is mapped. This shall be populated only if Oracle CCID is not available
SEGMENT10	VARCHAR2(25)	This will be derived based on the Oracle FLEXCUBE GL attribute to which the segment is mapped. This shall be populated only if Oracle CCID is not available
SEGMENT11	VARCHAR2(25)	This will be derived based on the Oracle FLEXCUBE GL attribute to which the segment is mapped. This shall be populated only if Oracle CCID is not available
SEGMENT12	VARCHAR2(25)	This will be derived based on the Oracle FLEXCUBE GL attribute to which the segment is mapped. This shall be populated only if Oracle CCID is not available
SEGMENT13	VARCHAR2(25)	This will be derived based on the Oracle FLEXCUBE GL attribute to which the segment is mapped. This shall be populated only if Oracle CCID is not available
SEGMENT14	VARCHAR2(25)	This will be derived based on the Oracle FLEXCUBE GL attribute to which the segment is mapped. This shall be populated only if Oracle CCID is not available
SEGMENT15	VARCHAR2(25)	This will be derived based on the Oracle FLEXCUBE GL attribute to which the segment is mapped. This shall be populated only if Oracle CCID is not available
SEGMENT16	VARCHAR2(25)	This will be derived based on the Oracle FLEXCUBE GL attribute to which the segment is mapped. This shall be populated only if Oracle CCID is not available
SEGMENT17	VARCHAR2(25)	This will be derived based on the Oracle FLEXCUBE GL attribute to which the segment is mapped. This shall be populated only if Oracle CCID is not available
SEGMENT18	VARCHAR2(25)	This will be derived based on the Oracle FLEXCUBE GL attribute to which the segment is mapped. This shall be populated only if Oracle CCID is not available
SEGMENT19	VARCHAR2(25)	This will be derived based on the Oracle FLEXCUBE GL attribute to which the segment is mapped. This shall be populated only if Oracle CCID is not available
SEGMENT20	VARCHAR2(25)	This will be derived based on the Oracle FLEXCUBE GL attribute to which the segment is mapped. This shall be populated only if Oracle CCID is not available
SEGMENT21	VARCHAR2(25)	This will be derived based on the Oracle FLEXCUBE GL attribute to which the segment is mapped. This shall be

Field Name	Data Type	Remarks
		populated only if Oracle CCID is not available
SEGMENT22	VARCHAR2(25)	This will be derived based on the Oracle FLEXCUBE GL attribute to which the segment is mapped. This shall be populated only if Oracle CCID is not available
SEGMENT23	VARCHAR2(25)	This will be derived based on the Oracle FLEXCUBE GL attribute to which the segment is mapped. This shall be populated only if Oracle CCID is not available
SEGMENT24	VARCHAR2(25)	This will be derived based on the Oracle FLEXCUBE GL attribute to which the segment is mapped. This shall be populated only if Oracle CCID is not available
SEGMENT25	VARCHAR2(25)	This will be derived based on the Oracle FLEXCUBE GL attribute to which the segment is mapped. This shall be populated only if Oracle CCID is not available
SEGMENT26	VARCHAR2(25)	This will be derived based on the Oracle FLEXCUBE GL attribute to which the segment is mapped. This shall be populated only if Oracle CCID is not available.
SEGMENT27	VARCHAR2(25)	This will be derived based on the Oracle FLEXCUBE GL attribute to which the segment is mapped. This shall be populated only if Oracle CCID is not available
SEGMENT28	VARCHAR2(25)	This will be derived based on the Oracle FLEXCUBE GL attribute to which the segment is mapped. This shall be populated only if Oracle CCID is not available
SEGMENT29	VARCHAR2(25)	This will be derived based on the Oracle FLEXCUBE GL attribute to which the segment is mapped. This shall be populated only if Oracle CCID is not available
SEGMENT30	VARCHAR2(25)	This will be derived based on the Oracle FLEXCUBE GL attribute to which the segment is mapped. This shall be populated only if Oracle CCID is not available



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