

FLEXML Interfaces
Oracle FLEXCUBE Universal Banking
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1. FleXML Overview

1.1 Introduction

This document gives a top level overview of the XML based interfaces available with Oracle FLEXCUBE.

1.2 XML based Interface Mechanisms with Oracle FLEXCUBE

Integration of different applications and solutions is a key area in today's systems. A variety of specialized applications deployed on disparate platforms and using different infrastructure need to be able to communicate and integrate seamlessly with each other in order to exchange data. Oracle FLEXCUBE provides different gateways in order to achieve this. These gateways provide standard XML based interfaces through Queues or API's leveraging the communication and integration of diverse applications independent of their Operating Systems, Technologies and Programming model. The underlying data is exchanged as XML documents. A predefined set of message requests supported in Oracle FLEXCUBE is available. Details on the transactions and the XML formats are part of XML interface section.

API based integration is supported through the following gateways:

- FlexCOM
- FlexC
- FlexJava

These gateways enable an integration of an external application with Oracle FLEXCUBE by providing published API's that can be used by the external application. This enables an external application to use Oracle FLEXCUBE services as part of its processes.

Queue Based interface are supported through the following gateways

- FlexMSMQ
- FlexMQSeries
- FlexJMS

The gateways allow for an external application to interface in an asynchronous manner with Oracle FLEXCUBE by sending messages through Queues. Oracle FLEXCUBE services acting on these queues process these messages and send appropriate response messages for them.

These gateways are explained below.

1.2.1 API Based Gateways

1.2.1.1 FlexCOM

FlexCOM provides a gateway that leverages an interface based on Microsoft's COM model. Oracle FLEXCUBE provides a series of COM components that can be invoked by the external system to process the messages. The interfacing COM component has a set of defined parameters which when passed to the component result in Oracle FLEXCUBE processing the request and responding appropriately. The actual request from the external system is an XML message as one of the parameters to the component. After the necessary processing is done in Oracle FLEXCUBE the response is returned as an XML message. These components are controlled by the calling application and the transaction control for this kind of an interface is with the calling application.

This gateway can be used on the Windows 2000 platforms by applications that employ the COM model. Thus applications written in Visual Basic, Visual C++ etc. can employ this interface. This model uses ODBC connectivity to access the database of Oracle FLEXCUBE.

1.2.1.2 FlexC

FlexC is a gateway that exposes the interface to Oracle FLEXCUBE through APIs provided as C libraries. Oracle FLEXCUBE provides a series of C APIs / Library calls which can be invoked by the external system to process the messages. Each of these Library calls has a set of defined parameters which when passed to the function result in Oracle FLEXCUBE processing the request and responding appropriately. These functions are controlled by the calling application and the transaction control for this kind of an interface is with the calling application.

The actual request from the external system for the Library Calls is an XML message as one of the parameters to the component. After the necessary processing is done in Oracle FLEXCUBE the response is returned as an XML message.

This interface can be used on any Operating System / Platform on which a C based library interface is possible. This option uses the Oracle OCI interface to access the Database of Oracle FLEXCUBE.

1.2.1.3 FlexJava

FlexJava is an interface that uses the EJB model for interfacing. Oracle FLEXCUBE provides a series of EJB components that can be invoked by the external system to process the messages. The interfacing component has a set of defined parameters which when passed to the component result in Oracle FLEXCUBE processing the request and responding appropriately. The actual request from the external system is an XML message as one of the parameters to the component. After the necessary processing is done in Oracle FLEXCUBE the response is returned as a XML message. These components are controlled by the calling application and the transaction control for this kind of an interface is with the calling application.

This interface can be used by any Java based application. This model uses JDBC connectivity to access the database of Oracle FLEXCUBE.

1.2.2 Queue Based Gateways

1.2.2.1 FlexMSMQ

FlexMSMQ interface is based on the exchange of XML messages with MSMQ as the delivery medium. Oracle FLEXCUBE accepts XML based requests that are supplied by the external application through predefined Queues using MSMQ. Oracle FLEXCUBE processes the messages depending on the request and appropriate XML messages are created as a response and delivered back through Queues. The processing of the messages in Queues that are getting the requests is done by the FlexMSMQ services.

This interface can be used on the Windows 2000 platforms by applications that use Microsoft specific programming environments. Thus applications written in Visual Basic, Visual C++ etc. can employ this interface. This model uses ODBC connectivity to access the database of Oracle FLEXCUBE.

1.2.2.2 FlexMQSeries

FlexMQ interface is based on the exchange of XML messages with IBM MQ series as the delivery medium. Oracle FLEXCUBE accepts XML based requests that are supplied by the external application through predefined Queues (IBM-MQ). Oracle FLEXCUBE processes the messages depending on the request and appropriate XML messages are created as a response and delivered back through Queues. The processing of the messages in Queues that are getting the requests is done by the FlexMQ services.

This interface can be used on any platform on which MQ Series is available. This option uses the Oracle OCI interface to access the Database of Oracle FLEXCUBE.

1.2.2.3 FlexJMS

FlexJMS interface is based on the exchange of XML messages with JMS compliant Queues as the delivery medium. Oracle FLEXCUBE accepts XML based requests that are supplied by the external application through predefined Queues. Oracle FLEXCUBE processes the messages depending on the request and appropriate XML messages are created as a response and delivered back through Queues. The processing of the messages in Queues that are getting the requests is done by the FlexJMS services.

This interface can be used on any platform compatible with JMS. This option uses JDBC to access the Database of Oracle FLEXCUBE.

1.2.3 Acknowledgement Reply Messages

Acknowledgement Reply Messages for contract uploads contain the Oracle FLEXCUBE Reference Number of that particular contract after successful upload. This message is sent only when the Reply Mode is set to ACK for contract uploads only.

1.2.4 Available XML Interfaces

Given below is a module-wise listing of XML interfaces:

1.2.4.1 FCCCBST (Collection Bills Static Maintenances)

UPLOAD_COLLNTR	Upload Collection Centre
ERROR_COLLNTR	Error reply Collection Centre
REPLY_COLLNTR	Reply Collection Centre
UPLOAD_COLLNTR_AMND	Upload Collection Centre amendment
ERROR_COLLNTR_AMND	Error reply Collection Centre amendment
UPLOAD_COLLNTR_CLOSE	Upload Collection Centre close
ERROR_COLLNTR_CLOSE	Error reply Collection Centre close
REPLY_COLLNTR_CLOSE	Reply Collection Centre close
UPLOAD_COLLNTR_OPEN	Upload Collection Centre Open
ERROR_COLLNTR_OPEN	Error reply Collection Centre open

REPLY_COLLCNTR_OPEN	Reply Collection Centre open
QUERY_COLLCNTR_INFO	Query request for Collection Centre information
REPLY_COLLCNTR_INFO	Reply for request Collection Centre information
UPLOAD_COLLTYPE	Upload Collection type
ERROR_COLLTYPE	Error Reply Collection type
REPLY_COLLTYPE	Reply Collection type
UPLOAD_COLLTYPE_AMND	Upload Collection type amendment
ERROR_COLLTYPE_AMND	Error Reply Collection type amendment
UPLOAD_COLLTYPE_CLOSE	request for Closing Collection type
ERROR_COLLTYPE_CLOSE	Error Reply for Closing Collection type
REPLY_COLLTYPE_CLOSE	Reply closing Collection type
UPLOAD_COLLTYPE_OPEN	Upload opening Collection type
ERROR_COLLTYPE_OPEN	Error Reply opening Collection type Open
REPLY_COLLTYPE_OPEN	Reply opening Collection type Open
UPLOAD_DOCLOC	Upload Document Location
ERROR_DOCLOC	Error Document Location
REPLY_DOCLOC	Reply Document Location
UPLOAD_DOCLOC_AMND	Upload Document Location Amendment
ERROR_DOCLOC_AMND	Error Document Location Amendment
UPLOAD_DOCLOC_CLOSE	Request Closing Document Location
ERROR_DOCLOC_CLOSE	Error reply Closing Document Location
REPLY_DOCLOC_CLOSE	Reply Closing Document Location
UPLOAD_DOCLOC_OPEN	Upload opening Document Location
ERROR_DOCLOC_OPEN	Error opening Document Location
REPLY_DOCLOC_OPEN	Reply Opening Document Location
QUERY_DOCLOC_INFO	Query request for document location information.
REPLY_DOCLOC_INFO	Reply for document location information.

UPLOAD_NOTARY	Upload request for notary
ERROR_NOTARY	Error request for notary
REPLY_NOTARY	Reply request for notary
UPLOAD_NOTARY_AMND	Upload request for notary amendment
ERROR_NOTARY_AMND	Error request for notary amendment
UPLOAD_NOTARY_CLOSE	Upload closing request for notary
ERROR_NOTARY_CLOSE	Error reply for closing notary
REPLY_NOTARY_CLOSE	Reply for closing notary
UPLOAD_NOTARY_OPEN	Upload request for opening notary
ERROR_NOTARY_OPEN	Error reply for opening notary
REPLY_NOTARY_OPEN	Reply for opening notary
QUERY_NOTARY_INFO	Query notary information
REPLY_NOTARY_INFO	Reply notary information
UPLOAD_LOCID	Upload location id
ERROR_LOCID	Error reply location id
REPLY_LOCID	Reply location id
UPLOAD_LOCID_AMND	Upload location id amendment
ERROR_LOCID_AMND	Error reply location id amendment
UPLOAD_LOCID_CLOSE	Request for closing location id
ERROR_LOCID_CLOSE	Error Reply for closing location id
REPLY_LOCID_CLOSE	Reply for closing location id
UPLOAD_LOCID_OPEN	Request for opening location id
ERROR_LOCID_OPEN	Error Reply for opening location id
REPLY_LOCID_OPEN	Reply for opening location id
QUERY_LOCID_INFO	Query location id information
REPLY_LOCID_INFO	Reply location id information
UPLOAD_DOCSTATUS	Request for creation of Document Status.

ERROR_DOCSTATUS	Error reply during Document Status upload.
REPLY_DOCSTATUS	Reply for Document Status upload.
UPLOAD_DOCSTATUS_AMND	Upload Document Status details amendment.
ERROR_DOCSTATUS_AMND	Error reply for Document Status Amendment upload.
UPLOAD_DOCSTATUS_CLOSE	Upload closing request for Document Status.
ERROR_DOCSTATUS_CLOSE	Error reply for closing document status
REPLY_DOCSTATUS_CLOSE	Reply for closing Document Status details.
UPLOAD_DOCSTATUS_OPEN	Request for re-opening document status.
ERROR_DOCSTATUS_OPEN	Error reply during Document Status open upload.
REPLY_DOCSTATUS_OPEN	Reply message with Document Status Open details.
QUERY_DOCSTATUS_INFO	Query for Document Status information.
REPLY_DOCSTATUS_INFO	Reply message for Document Status Information.
QUERY_BUYER_INFO	Query for Buyer information.
REPLY_BUYER_INFO	Reply message for Buyer Detail Information.
QUERY_CB_PRD_SMRY	Summary query for CB Product
REPLY_CB_PRD_SMRY	Reply message for CB Product Summary.
QUERY_CB_PRD_INFO	Detailed Query for CB product
REPLY_CB_PRD_INFO	Reply message for CB Product Information.



Note the following:

- For Amendment Message in which separate reply message is not provided, the original Upload message reply itself will be send. For Eg: Both UPLOAD_COLLNTR and UPLOAD_COLLNTR_AMND will have the same reply REPLY_COLLNTR on Success.
- In all incoming messages of FCCCBST Xref is message reference no and will not get stored in Oracle FLEXCUBE.

1.2.4.2 FCCBRN (Branch Details)

UPLOAD_BRNDETAILS	Request for Branch Creation
REPLY_BRNDETAILS	Response for Branch Creation.
ERROR_BRNDETAILS	Error Response for Branch Creation.

HANDOFF_BRNDETAILS	Handoff for Branch Details
HANDOFF_DATES	Handoff for Dates.
HANDOFF_BRANCH_CONDITION	Handoff for Branch Condition Details.
HANDOFF_BRANCH_PREFERENCE	Handoff for Branch Preferences.
HANDOFF_BRANCH_PARAM_LOANS	Handoff for Branch Parameters for Loans.
HANDOFF_BRANCH_PARAM_LIQMGMT	Handoff for Branch Parameters for Liquidation Management.
HANDOFF_BRANCH_PARAMS_LC	Handoff for Branch Parameters for LC.
HANDOFF_BRANCH_PARAMS_ICCF	Handoff for Branch Parameters for ICCF.
HANDOFF_BRANCH_PARAMS_FX	Handoff for Branch Parameters for FX.
HANDOFF_BRANCH_PARAMS_BC	Handoff for Branch Parameters for BC.
HANDOFF_IB_SETUP	Handoff for Inter - Branch Setup Details.
HANDOFF_SYS_DATES	Handoff for Branch System Dates.

1.2.4.3 FCCCUST (Customer Operations)

UPLOAD_CUSTDETAILS	Request for Customer Creation
REPLY_CUSTDETAILS	Reply for Customer Creation
ERROR_CUSTDETAILS	Error for Customer Creation
HANDOFF_CUSTDETAILS	Handoff for Customer Creation
UPLOAD_CUST_MOD	Request for Customer detail Change
ERROR_CUST_MOD	Error for Customer details Change
UPLOAD_CUSTADD_MOD	Request for Customer Address Change
REPLY_CUSTADD_MOD	Reply for Customer Address Change
ERROR_CUSTADD_MOD	Error for Customer Address Change
HANDOFF_CUSTADD_MOD	Handoff for Customer Address Change
UPLOAD_CUSTCLOSE	Request for Customer Close
REPLY_CUSTCLOSE	Reply for Customer Close
ERROR_CUSTCLOSE	Error for Customer Close

QUERY_CUSTINFO	Query Request for Customer Information.
REPLY_CUSTINFO	Online Response for Customer Information.
HANDOFF_CUSTOMER_CATEORY	Handoff for Customer Category Details.
QUERY_CUST_SUMMARY	Message to query for summary information of the customer
REPLY_CUST_SUMMARY	Reply message to query for summary information of the customer
UPLOAD_REPLICATEACC	Request for Replication of Customer Account
REPLY_REPLICATEACC	Online Response for Replication of Customer Account
ERROR_REPLICATEACC	Error Response for Replication of Customer Account

1.2.4.4 **FCUBSCustomerService (Customer Services)**

CUST-MIS-QUERY-REQ	Request to query for customer details for a given MIS Code and Class value
CUST-MIS-QUERY-RES-FULL	Full screen response to the query for MIS based customer details
ST-QueryUIDCustomer-Req-IO-MSG	Request to query on the customer number using Unique Identifier Name and Unique Identifier Value
ST-QueryUIDCustomer-Res-Full-MSG	Full screen response to query on unique identifier based customer number
Cust-Static-Query-Req-Full	Full screen request to query on customer details
Cust-Static-Query-Req	Request to query on customer details
Cust-Static-Query-Res-Full	Full screen response to request for customer details
Cust-Static-Query-Res-PK	Primary Key response to request for customer details



BANK requires a Loan query web service using MIS Code

1.2.4.5 **FCCACC (Account: Static)**

UPLOAD_CUSTACC	Request for Account Creation
REPLY_CUSTACC	Reply for Account Creation
ERROR_CUSTACC	Error for Account Creation
HANDOFF_CUSTACC	Handoff for Account Creation
UPLOAD_CUSTACC_MOD	Request for Account Modification

ERROR_CUSTACC_MOD	Error for Account Modification
QUERY_ACCSTAT	Request for Account status.
REPLY_ACCSTAT	Reply for Account status.
UPLOAD_ACCCLOSE	Request for account close
REPLY_ACCCLOSE	Reply for account close
ERROR_ACCCLOSE	Error for account close
UPLOAD_ACCLIQ	Request for Account Liquidate
REPLY_ACCLIQ	Reply for Account Liquidate
ERROR_ACCLIQ	Error for Account Liquidate
HANDOFF_INTRATE	Handoff for Interest Rate
UPLOAD_BLK_AMT	Request for Blocking Amount
REPLY_BLK_AMT	Response for Blocking Amount Details.
ERROR_BLK_AMT	Error response for Blocking Amount.
HANDOFF_BLK_AMT	Handoff for Blocking Amount Details.
UPLOAD_BLK_REL	Request for Releasing Blocked Amount.
REPLY_BLK_REL	Response for Releasing Blocked Amount Details.
ERROR_BLK_REL	Error Response for Releasing Blocked Amount.
HANDOFF_ACCOUNT_CLASS	Handoff for Account Class.

1.2.4.6 **FCCACCSERVICE**

QUERY_ACCTXNS	Request for Account Transaction Details
REPLY_ACCTXNS	Reply for Account Transaction Details
QUERY_ACCBAL	Request for Account Balance
REPLY_ACCBAL	Reply for Account Balance
HANDOFF_ACCBAL	Handoff for Account Balance
UPLOAD_ACCTXN	Request to Post Accounting Entries
REPLY_ACCTXN	Reply to Post Accounting Entries
ERROR_ACCTXN	Error while Post Accounting Entries

QUERY_ACCTXNS	Request for Account Transaction Details
HANDOFF_ACCTXN	Handoff of Accounting Entries
QUERY_ACCBALM	Query Request for Account Balance and Limits.
REPLY_ACCBALM	Online response for Account Balance and Limits.
UPDATE_ACCTXN	Update Request from Oracle FLEXCUBE to another system to update Account Transaction Details.
ACK_ACCTXN	Online Response for Acknowledgement of Updating Account Transaction Details.
QUERY_ICRATES	Query request for IC Rates.
REPLY_ICRATES	Online response for IC Rates.

1.2.4.7 FCCACSTMT (Account Statement)

QUERY_ACSTMT	Request for Statement
REPLY_ACSTMT	Reply for Statement request
QUERY_STD_STMT	Query Request for Standard Statement Information.
REPLY_STD_STMT	Online Response for Standard Statement Information.
ERROR_STD_STMT	Online Error Response for Standard Statement Information.

1.2.4.8 FCCCHQ (Cheque Operations)

QUERY_CHQ_STAT	Request for Cheque status
REPLY_CHQ_STAT	Reply for Cheque status
UPLOAD_CHQBK_REQ	Request for Cheque Book Creation
REPLY_CHQBK_REQ	Reply for Cheque Book creation
HANDOFF_CHQBK_REQ	Handoff for Cheque Book Creation
UPLOAD_STOP_AMT_PMNT	Request for Amount Stop Payment Creation
REPLY_STOP_AMT_PMNT	Reply for Amount Stop Payment Creation
HANDOFF_STOP_AMT_PMNT	Handoff for Amount Stop Payment Creation
UPLOAD_STOP_CHQ_PMNT	Request for Cheque Stop Payment Creation
REPLY_STOP_CHQ_PMNT	Reply for Cheque Stop Payment Creation
HANDOFF_STOP_CHQ_PMNT	Handoff for Cheque Stop Payment Creation

QUERY_CHQ_STAT	Request for Cheque status
UPLOAD_LODGBK_REQ	Request for Lodgment Booking.
REPLY_LODGBK_REQ	Response for Lodgment Booking.
ERROR_LODGBK_REQ	Error Response for Lodgment Booking.
HANDOFF_LODGBK_REQ	Handoff for Lodgment Booking.
UPLOAD_REL_STOP_CHQ	Request for Stop Cheque Payment Release.
REPLY_REL_STOP_CHQ	Response for Stop Cheque Payment Release.
ERROR_REL_STOP_CHQ	Error Response for Stop Cheque Payment Release.
UPLOAD_REL_STOP_AMT	Request for Stop Amount Payment Release.
REPLY_REL_STOP_AMT	Response for Stop Amount Payment Release.
ERROR_REL_STOP_AMT	Error Response for Stop Amount Payment Release.

1.2.4.9 **FCCCYSERVICE (Currency Services)**

QUERY_XRENO	Query Request for Exchange Rate Enquiry.
REPLY_XRENO	Online Response for Exchange Rate Enquiry.
QUERY_RULE_BASED_XR	Query Request for Exchange Rate based on specified rules.
REPLY_RULE_BASED_XR	Online Response for Exchange Rate based on specified rules.
HANDOFF_RULE_BASED_XR	Handoff of Manually priced exchange rate.
QUERY_XRAMT	Query Request for Exchange Rate Amount.
REPLY_XRAMT	Response for Exchange Rate Amount.
HANDOFF_CCYDETAILS	Handoff for Currency Details
HANDOFF_CCY_RATE	Handoff for Currency Rates.
HANDOFF_CCY_PAIRS	Handoff for the Currency Pairs.
UPLOAD_CCY_RATE	Request for upload exchange rate in Oracle FLEXCUBE.
REPLY_CCY_RATE	Response for upload exchange rate.
ERROR_CCY_RATE	Error Response for upload exchange rate.
HANDOFF_CCY_RATE_TYPE	Handoff for Currency Rate Type.

1.2.4.10 FCCLM (Limits)

UPLOAD_LMDETAILS	Request for Limits Creation.
REPLY_LMDETAILS	Response for Limits Creation.
ERROR_LMDETAILS	Error Response for Limits Creation.
HANDOFF_LMDETAILS	Handoff for Limits Details.
UPLOAD_LMDETAILS_MOD	Request for Limits Modification.
ERROR_LMDETAILS_MOD	Error Response for Limits Modification.
QUERY_LMINFO	Query Request for Limits Information.
REPLY_LMINFO	Online Response for Limits Information.
HANDOFF_LINEUTILS	Handoff for Line Utilization.
UPLOAD_LINE_EARMARK	Message to upload an earmarking (reserve) of a limit line
REPLY_LINE_EARMARK	Reply message received on successfully uploading an earmarking (reserve) of a limit line
ERROR_LINE_EARMARK	Reply message received if uploading an earmarking (reserve) of a limit line falls into error
UPLOAD_LINE_EARMARK_REL	Message to upload a release of an earmark (reserve) of a limit line
REPLY_LINE_EARMARK_REL	Reply message received on successfully uploading a release of an earmark (reserve) of a limit line
ERROR_LINE_EARMARK_REL	Reply message received if uploading a release of an earmark (reserve) of a limit line falls into error
QUERY_LINE_EARMARK_INFO	Message to query the earmarks maintained
REPLY_LINE_EARMARK_INFO	Reply message to the query of the earmarks maintained
QUERY_LM_SUMMARY	Query message for getting the list of lines earmarked for a particular customer
REPLY_LM_SUMMARY	Reply message that would give the list of lines for a particular customer.
UPLOAD_LIABDETAILS	Request for Liability Creation.
REPLY_LIABDETAILS	Response for Liability Creation.
ERROR_LIABDETAILS	Error Response for Liability Creation.
UPLOAD_LIAB_MOD	Request for Liability Modification.

ERROR_LIAB_MOD	Error Response for Liability Modification.
UPLOAD_LM_CLOSE	Request for Limits Closure.
REPLY_LM_CLOSE	Response for Limits Closure.
ERROR_LM_CLOSE	Error Response for Limits Closure.
UPLOAD_UTILIZATION	Request to update Limits Utilization.
REPLY_UTILIZATION	Response to update Limits Utilization.
ERROR_UTILIZATION	Error Response to update Limits Utilization.
QUERY_LIABINFO	Query Request for Liability Details
REPLY_LIABINFO	Online Response for Liability Details
QUERY_LINE_SUMMARY	Query Request for summarized Line Maintenance Details.
REPLY_LINE_SUMMARY	Response for summarized Line Maintenance Details.
QUERY_UTILINFO	Query Request for Limits Utilization Information.
REPLY_UTILINFO	Online Response for Limits Utilization Information.
UPLOAD_LIAB_CLOSE	Query Request for Liability Closure.
REPLY_LIAB_CLOSE	Online Response for Liability Closure.
ERROR_LIAB_CLOSE	Error Response for Liability Closure.
HANDOFF_LIABDETAILS	Handoff for liability details on authorization of Liability maintenance
HANDOFF_UTILIZATION	Handoff for limit utilization details on authorization of line utilization maintenance.

1.2.4.11 **FCCFT (Payments)**

UPLOAD_PMNT	Request for Creating Payment
REPLY_PMNT	Reply for Creating Payment
ERROR_PMNT	Error while upload of payment.
HANDOFF_PMNT	Handoff for Payment
UPLOAD_PMNT_AUTH	Request for Authorizing Payment
REPLY_PMNT_AUTH	Reply for Authorizing Payment
ERROR_PMNT_AUTH	Error for Authorizing Payment

UPLOAD_PMNT	Request for Creating Payment
UPLOAD_PMNT_DELETE	Request for Deleting Payment
ERROR_PMNT_DELETE	Error for Deleting Payment
REPLY_PMNT_DELETE	Response for FT/ Payment Deletion.
HANDOFF_PMNT_DELETE	Handoff for FT/ Payment Deletion.
UPLOAD_PMNT_REVERSE	Request for Reversing Payment
ERROR_PMNT_REVERSE	Error for Reversing Payment
REPLY_PMNT_REVERSE	Reply or Reversing Payment
QUERY_PMNT	Query Request for FT/Payment.
UPLOAD_PMNT_CANCEL	Request for FT/ Payment Cancellation.
REPLY_PMNT_CANCEL	Response for FT/Payment Cancellation.
ERROR_PMNT_CANCEL	Error Response for FT/Payment Cancellation.

1.2.4.12 **FCCFX (Foreign Exchange)**

UPLOAD_FX_DEAL	Request for Creating FX Deal
REPLY_FX_DEAL	Reply for Creating FX Deal
ERROR_FX_DEAL	Error while upload FX deal
HANDOFF_FX_DEAL	Handoff for FX Deal
UPLOAD_FX_AUTH	Request for Authorizing FX Deal
REPLY_FX_AUTH	Reply for Authorizing FX Deal
ERROR_FX_AUTH	Error for Authorizing FX Deal
UPLOAD_FX_DELETE	Request for Deleting FX Deal
ERROR_FX_DELETE	Error for Deleting FX Deal
REPLY_FX_DELETE	Response for FX Contract Delete.
HANDOFF_FX_DELETE	Handoff for FX Contract Delete.
UPLOAD_FX_REVERSE	Request for Reversing FX Deal
ERROR_FX_REVERSE	Error for Reversing FX Deal
REPLY_FX_REVERSE	Reply for Reversing FX Deal

1.2.4.13 **FCCLD (Loans and Deposits)**

UPLOAD_LD_CONTRACT	Request for Creating LD Contract
REPLY_LD_CONTRACT	Reply for Creating LD Contract
ERROR_LD_CONTRACT	Error while Upload LD Contract
HANDOFF_LD_CONTRACT	Handoff for LD Contract
UPLOAD_LD_AUTH	Request for Authorizing LD contract
REPLY_LD_AUTH	Response for Authorizing LD contract
ERROR_LD_AUTH	Error for Authorizing LD Contract
UPLOAD_LD_DELETE	Request for Deleting LD Contract
ERROR_LD_DELETE	Error for Deleting LD Contract
REPLY_LD_DELETE	Response for LD Contract Deletion.

HANDOFF_LD_DELETE	Handoff for LD Contract Deletion.
UPLOAD_LD_REVERSE	Request for Reversing LD Contract
REPLY_LD_REVERSE	Response for Reversing LD contract
ERROR_LD_REVERSE	Error for Reversing LD Contract
UPLOAD_LD_ROLLOVER	Request for Contract LD Rollover
REPLY_LD_ROLLOVER	Reply for Contract LD Rollover
ERROR_LD_ROLLOVER	Error for Contract LD Rollover
QUERY_LD_CONTRACT	Query for LD contract
QUERY_OVD_COMP	Query for LD over due components
REPLY_OVD_COMP	Reply for LD over due components
ERROR_OVD_COMP	Error for LD over due components

1.2.4.14 FCCLDSERVICES (Loans and Deposits Services)

UPLOAD_LD_PMNT	Request for LD payment
REPLY_LD_PMNT	Reply for LD payment
ERROR_LD_PMNT	Error for LD payment
HANDOFF_LD_PMNT	Handoff for LD payment
UPLOAD_LD_VAMND	Request for LD Amendments
REPLY_LD_VAMND	Reply for LD Amendments
ERROR_LD_VAMND	Error for LD Amendments
HANDOFF_LD_VAMND	Handoff for LD Amendments
HANDOFF_LD_VAMND_DELETE	Handoff for deleted LD Amendment Details.
UPLOAD_LD_PREV	Request for LD Payment Reversal.
REPLY_LD_PREV	Response for LD Payment Reversal.
ERROR_LD_PREV	Error Response for LD Payment Reversal.
HANDOFF_LD_PRODUCT	Handoff for LD product.
GENERATE_LDADV	Request for LD Advice Generation.
REPLY_GENERATE_LDADV	Response for LD Advice Generation.

ERROR_GENERATE_LDADV	Error Response for LD Advice Generation.
HANDOFF_LD_VAMND_MATDT	Handoff of maturity date on Value Dated Amendment.
HANDOFF_LD_VAMND_VALDT	Handoff of value date on Value Dated Amendment.
HANDOFF_LD_VAMND_AMT	Handoff of principal on Value Dated Amendment.
HANDOFF_LD_SPSTTL	Handoff of split currency settlement details of LD Contract.
HANDOFF_LD_SCH_ALT	Handoff of LD Schedule Alteration.
HANDOFF_LD_HOLD_CONTRACT	Reply to LD payment details

1.2.4.15 FCCMM (Money Markets)

UPLOAD_MM_DEAL	Request for Creating MM Contract
REPLY_MM_DEAL	Reply for Creating MM Contract
ERROR_MM_DEAL	Error while upload MM Contract
HANDOFF_MM_DEAL	Handoff for MM Contract
UPLOAD_MM_AUTH	Request for Authorizing MM Contract
ERROR_MM_AUTH	Error for Authorizing MM Contract
REPLY_MM_AUTH	Reply for Authorizing MM Contract
UPLOAD_MM_DELETE	Request for Deleting MM Contract
ERROR_MM_DELETE	Error for Deleting MM Contract
REPLY_MM_DELETE	Response for MM Contract Deletion.
HANDOFF_MM_DELETE	Handoff for MM Contract Deletion Details.
UPLOAD_MM_REVERSE	Request for Reversing MM Contract
ERROR_MM_REVERSE	Error for Reversing MM Contract
REPLY_MM_REVERSE	Reply for Reversing MM Contract

1.2.4.16 FCCLC (Letters of Credit)

UPLOAD_LC_CONTRACT	Request for Creating LC Contract
REPLY_LC_CONTRACT	Reply for Creating LC Contract
ERROR_LC_CONTRACT	Error while Upload LC Contract

HANDOFF_LC_CONTRACT	Handoff for LC Contract
UPLOAD_LC_AUTH	Request for Authorizing LC Contract
REPLY_LC_AUTH	Reply for Authorizing LC Contract
ERROR_LC_AUTH	Error for Authorizing LC Contract
UPLOAD_LC_DELETE	Request for Deleting LC Contract
ERROR_LC_DELETE	Error for Deleting LC Contract
REPLY_LC_DELETE	Response for LC Contract Deletion.
HANDOFF_LC_DELETE	Handoff for LC Contract Deletion.
UPLOAD_LC_REVERSE	Request for Reversing LC Contract
ERROR_LC_REVERSE	Error for Reversing LC Contract
REPLY_LC_REVERSE	Reply for Reversing LC Contract
QUERY_LC_CONTRACT	Query Request for LC Contract Details.

1.2.4.17 FCCBC (Bills and Collection)

UPLOAD_BC_CONTRACT	Request for Creating BC Contract
REPLY_BC_CONTRACT	Reply for Creating BC Contract
ERROR_BC_CONTRACT	Error while BC Upload.
HANDOFF_BC_CONTRACT	Handoff for BC Contract
UPLOAD_BC_AUTH	Request for Authorizing BC Contract
REPLY_BC_AUTH	Reply for Authorizing BC Contract
ERROR_BC_AUTH	Error for Authorizing BC Contract
UPLOAD_BC_DELETE	Request for Deleting BC Contract
ERROR_BC_DELETE	Error for Deleting BC Contract
REPLY_BC_DELETE	Response for BC Contract Deletion Details.
HANDOFF_BC_DELETE	Handoff for BC Contract Deletion Details.
UPLOAD_BC_REVERSE	Request for Reversing BC Contract
ERROR_BC_REVERSE	Error for Reversing BC Contract
REPLY_BC_REVERSE	Reply for Reversing BC Contract

QUERY_BC_CONTRACT	Query Request for BC Contract.
HANDOFF_DOCS_MASTER_BC	Handoff for BC Document Details.
ERROR_DOCS_MASTER_BC	Error Response for BC Documents Details.
HANDOFF_FREE_FORMAT_BC	Handoff for BC Free Format Details.
ERROR_FREE_FORMAT_BC	Error Response for BC Free Format Details.
HANDOFF_DISCREPANCY_BC	Handoff for BC Discrepancy Details.
ERROR_DISCREPANCY_BC	Error Response for BC Discrepancy Details.
HANDOFF_COMMODITIES_CODE_BC	Handoff for BC Commodity Code Details.
ERROR_COMMODITIES_CODE_BC	Error Response for BC Commodity Code Details.

1.2.4.18 FCCPRD (Product Details)

HANDOFF_PRDDETAILS	Handoff of Product Details.
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1.2.4.19 FCCBSER (Collection Bills Services)

UPLOAD_CB_AGRMNT	Request for CB Agreement
ERROR_CB_AGRMNT	Error reply for CB Agreement
REPLY_CB_AGRMNT	Reply for CB Agreement
QUERY_CB_AGRMNT_INFO	Query request CB Agreement Information.
REPLY_CB_AGRMNT_INFO	Reply request CB Agreement Information.
UPLOAD_CB_AGRMNT_AMND	Request for CB Agreement Amendment
ERROR_CB_AGRMNT_AMND	Error reply for CB Agreement Amendment
UPLOAD_CB_AGRMNT_CLOSE	Request to close CB Agreement
ERROR_CB_AGRMNT_CLOSE	Error reply for CB Agreement
REPLY_CB_AGRMNT_CLOSE	Reply for CB Agreement
UPLOAD_CB_REQUEST	Upload for Cobranza request
ERROR_CB_REQUEST	Error Reply for CB request
REPLY_CB_REQUEST	Reply for CB request
QUERY_CB_REQUEST_INFO	Query request CB request Information.
REPLY_CB_REQUEST_INFO	Reply CB request Information.

UPLOAD_CB_OPERATION	Request for CB operations
ERROR_CB_OPERATION	Error Reply for CB operations
REPLY_CB_OPERATION	Reply for CB operations
QUERY_CB_BUYER_INFO	Query request for Buyer information
REPLY_CB_BUYER_INFO	Reply for Buyer information
UPLOAD_CB_BULK_ACTIVATE	Request for CB bulk activation
REPLY_CB_BULK_ACTIVATE	Reply for CB bulk activation
ERROR_CB_BULK_ACTIVATE	Error reply for CB bulk activation
UPLOAD_CB_AGRMNT_OPEN	Upload message for Re-Opening of CB Agreement.
ERROR_CB_AGRMNT_OPEN	Error message in case of error during CB Agreement open upload.
REPLY_CB_AGRMNT_OPEN	Reply message with CB Agreement Open details.
UPLOAD_CB_BULK_DELETE	Upload message for Deletion of CB Contract in Bulk.
ERROR_CB_BULK_DELETE	Error message in case of error during upload of Deletion of CB Contract in Bulk.
REPLY_CB_BULK_DELETE	Reply message with Bulk Deletion of CB Contracts.
UPLOAD_CB_GOPER	Upload for Group operation of Contracts.
ERROR_CB_GOPER	Error message in case of error during upload of Group Operation of CB Contract.
REPLY_CB_GOPER	Reply message with Group Operation of CB Contracts.



Note the following:

- For Amendment Message in which separate reply message is not provided, the original Upload message reply itself will be send. For Eg: Both UPLOAD_CB_AGRMNT and UPLOAD_CB_AGRMNT_AMND will have the same reply REPLY_CB_AGRMNT on Success.
- In all incoming messages of FCCCBSER, Xref is message reference no and will not get stored in Oracle FLEXCUBE.
- For incoming messages having AUTHSTAT, Oracle FLEXCUBE will do authorization based on that field value. Incase it is null, source preference maintained in Oracle FLEXCUBE will be considered.

1.2.4.20 FCCCL (Consumer Lending)

UPLOAD_CL_ACC	Request for creating a new Consumer lending (CL) account
REPLY_CL_ACC	Reply message for successfully created Consumer lending account
ERROR_CL_ACC	Error Reply for Consumer lending account creation
HANDOFF_CL_ACC	Handoff for consumer lending account
UPLOAD_CL_AUTH	Request for authorizing a consumer lending account
REPLY_CL_AUTH	Reply for consumer lending authorization
ERROR_CL_AUTH	Error reply for consumer lending authorization
UPLOAD_CL_DELETE	Request for consumer lending Delete
REPLY_CL_DELETE	Reply for consumer lending Delete
ERROR_CL_DELETE	Error reply for consumer lending Delete
UPLOAD_CL_ACC_SIM	Simulation of new CL loan account
REPLY_CL_ACC_SIM	Reply message for simulation of new CL account
ERROR_CL_ACC_SIM	Error message in case of error during simulation
UPLOAD_CL_REVERSE	Message for reversing a CL loan account
REPLY_CL_REVERSE	Reply message for CL reversal
ERROR_CL_REVERSE	Error message in case of error during reversal.
UPLOAD_CL_AMND	Upload message for making amendment of CL loan account.
REPLY_CL_AMND	Reply message for CL amendment.
ERROR_CL_AMND	Error message in case of error during amendment.
UPLOAD_CL_ACTIVATE	Message for activating an inactive CL account.
REPLY_CL_ACTIVATE	Reply message for a successful CL loan activation.
ERROR_CL_ACTIVATE	Error message in case of error during activation.
QUERY_CL_SUMMARY	Message to query summary detail of CL accounts.
REPLY_CL_SUMMARY	Reply message with the summary details of CL accounts.

QUERY_CL_PMNT_SCH	Message to query CL payment schedule.
REPLY_CL_PMNT_SCH	Reply message for CL payment schedule.
UPLOAD_CL_ROLLOVER	Message to book Rollover for a CL loan.
REPLY_CL_ROLLOVER	Reply Message for a successful rollover.
ERROR_CL_ROLLOVER	Error Response in case of a failed rollover.
UPLOAD_CL_ROLLOVER_ACTIVATE	Message to activate an inactive rollover.
REPLY_CL_ROLLOVER_ACTIVATE	Reply message for a successful rollover activation.
ERROR_CL_ROLLOVER_ACTIVATE	Error message for a failed rollover activation.
QUERY_CL_ROLLINFO	Message to query rollover details.
REPLY_CL_ROLLINFO	Response of a rollover query.
QUERY_CL_INFO	Query for consumer lending information
REPLY_CL_INFO	Reply for consumer lending information

1.2.4.21 FCCCLSER (Consumer Lending Services)

UPLOAD_CL_PMNT	Request for Consumer Lending (CL) payment
REPLY_CL_PMNT	Reply for Consumer Lending payment
ERROR_CL_PMNT	Error reply for Consumer Lending payment
UPLOAD_CL_AMND	Request for Consumer lending Value dated Amendment
REPLY_CL_AMND	Reply for Consumer lending Value dated Amendment
ERROR_CL_AMND	Error reply for CL Value dated Amendment
UPLOAD_CL_PMNT_REVERSE	Message for CL payment reversal
REPLY_CL_PMNT_REVERSE	Reply message for CL payment reversal
ERROR_CL_PMNT_REVERSE	Error message in case of error during reversal
UPLOAD_CL_PMNT_SIM	Message for CL payment simulation
REPLY_CL_PMNT_SIM	Reply message for CL payment simulation
ERROR_CL_PMNT_SIM	Error message in case of error during simulation
UPLOAD_CL_STAT_CHG	Message for CL status change
REPLY_CL_STAT_CHG	Reply message for CL status change

ERROR_CL_STAT_CHG	Error message in case of error during status change
UPLOAD_CL_EVT_REVERSE	Message for reversing an event
REPLY_CL_EVT_REVERSE	Reply message for event reversal.
ERROR_CL_EVT_REVERSE	Error message in case of error during event reversal.
QUERY_CL_PMNT_INFO	Message to query CL payment information
REPLY_CL_PMNT_INFO	Reply message for CL payment information
QUERY_CL_PRD_SUMMARY	Message to query CL product summary
REPLY_CL_PRD_SUMMARY	Reply message for CL product summary
QUERY_CL_PRD_INFO	Message to query individual product details
REPLY_CL_PRD_INFO	Response to query for individual product details
QUERY_CL_EVENTS	Query message to query the events for a CL
REPLY_CL_EVENTS	Reply message for list of CL events
UPLOAD_CL_AUTOLIQ_SUSP	Upload message for performing an auto payment suspension
REPLY_CL_AUTOLIQ	Reply message after an auto-payment suspension is performed for an account
ERROR_CL_AUTOLIQ_SUSP	Error message generated if the auto-payment suspension is not successful.
QUERY_CL_AUTOSUSP_INFO	Message to query Auto – Suspension details
REPLY_CL_AUTOSUSP_INFO	Response message for Auto-Suspension details Query.
QUERY_ONLINE_CALC	Message to do online calculation.
REPLY_ONLINE_CALC	Online response of calculated details.
QUERY_CL_COMP_RATES	Query to retrieve Component rates
REPLY_CL_COMP_RATES	Response of Component rates.

1.2.4.22 FCUBSCLService (Consumer Lending Services)

CL-queryUDFAccountSum-Req-IO-MSG	Message to query on loan details for a given UDF name and UDF value
CL-queryUDFAccountSum-Res-Full-MSG	Full screen response to UDF based loan details query
CL-queryMISAccountSum-Req-IO-MSG	Message to query on MIS details of loan
CL-queryMISAccountSum-Res-Full-MSG	Full screen response for MIS details request
CL-Info-Qry-Req-Msg	Primary key request to query loan details for a given account and branch
CL-Info-Qry-Res-FULL	Full screen response to MIS based loan details query
CL-PMNTSch-Qry-Req	Request to query on payment schedule details for a loan
CL-PMNTSch-Qry-Res-FULL	Full screen response to query on payment schedule details for a loan
CL-PMNTSchQry-Res-PK	Primary Key response to query on payment schedule details for a loan
CL-Custsum-Qry-Req-Msg	Primary key request to query for loan details on customer ID and branch
CL-Custsum-Qry-Res-FULL-Msg	Full response with loans availed by the customer



BANK requires a Loan query web service using MIS Code

1.2.4.23 FCCGENERIC (Generic messages)

FCCPARSEERR	Response for Parser Error.
REPLY_ACK	Acknowledgement for Request sent.
HANDOFF_ACK	Acknowledgement for Handoff.
HEADER_DETAILS	Header Details

1.2.4.24 FCCCONTRACT (Contract related Generic messages)

QUERY_CONTRACT	Message to query contract related details
REPLY_CONTRACT	Reply message for the query of contract details.
HANDOFF_CONTRACT	Message for Handoff of contract related details.

QUERY_CONTRACT	Message to query contract related details
QUERY_UNAUTH_CONTRACT	Message to query unauthorized contracts
REPLY_UNAUTH_CONTRACT	Reply message to query unauthorized contracts

1.2.4.25 FCCCOLLT (Collateral Details)

UPLOAD_COLLT	Request for Collateral Creation.
REPLY_COLLT	Online Response for Collateral Details.
ERROR_COLLT	Error Response for Collateral Creation.
UPLOAD_COLLT_MOD	Request for Collateral Modification.
ERROR_COLLT_MOD	Error Response for Collateral Modification.
QUERY_COLLTINFO	Query Request for Collateral Information.
REPLY_COLLTINFO	Online Response for Collateral Information.
UPLOAD_COLLT_POOL	Request for Collateral Pool Creation.
REPLY_COLLT_POOL	Online Response for Collateral Pool Creation.
ERROR_COLLT_POOL	Error Response for Collateral Pool Creation.
UPLOAD_COLLT_POOL_MOD	Request for Collateral Pool Modification.
ERROR_COLLT_POOL_MOD	Error Response for Collateral Pool Modification.
QUERY_COLLT_POOLINFO	Query Request for Collateral Pool Information.
REPLY_COLLT_POOLINFO	Online Response for Collateral Pool Information.

1.2.4.26 FCCCB (Collection Bills)

UPLOAD_CB_CONTRACT	Request for CB contract
ERROR_CB_CONTRACT	Error reply for CB contract
REPLY_CB_CONTRACT	Reply for CB contract
UPLOAD_CB_DELETE	Request for CB contract deletion
ERROR_CB_DELETE	Error reply for CB contract deletion
REPLY_CB_DELETE	Reply for CB contract deletion
UPLOAD_CB_AUTH	Request for CB contract Authorization

ERROR_CB_AUTH	Error reply for CB contract Authorization
REPLY_CB_AUTH	Reply for CB contract Authorization
UPLOAD_CB_REVERSE	Request for CB contract Reverse
ERROR_CB_REVERSE	Error reply for CB contract Reverse
REPLY_CB_REVERSE	Reply for CB contract Reverse
UPLOAD_CB_AMND	Request for CB contract Amendment
ERROR_CB_AMND	Error reply for CB contract Amendment
REPLY_CB_AMND	Reply for CB contract Amendment
QUERY_CB_CONTRACT_INFO	Request for CB contract Information
REPLY_CB_CONTRACT_INFO	Error reply for CB contract Information
QUERY_CB_CONTRACT_SUMMARY	Request for CB contract summary
REPLY_CB_CONTRACT_SUMMARY	Reply for CB contract summary
UPLOAD_CB_AMND_REVERSE	Reversal of CB Contract Amendment.
ERROR_CB_AMND_REVERSE	Error message in case of error during CB Amendment Reversal upload.
REPLY_CB_AMND_REVERSE	Reply message with CB contract Amendment Reversal details.
QUERY_CB_CONTRACT_INFO	Query for Collection Bill Contract information
REPLY_CB_CONTRACT_INFO	Reply message for Collection Bill Contract Information
QUERY_CB_CONTRACT_SUMMARY	Query for Collection Bill Contract Summary
REPLY_CB_CONTRACT_SUMMARY	Reply message for Collection Bill Contract Summary
QUERY_CB_SCHD_INFO	Query for Collection Bill Schedules.
REPLY_CB_SCHD_INFO	Reply message for Collection Bill Contract Schedules Information
UPLOAD_CB_OPERATION	Request for Collection Bill Operation
ERROR_CB_OPERATION	Error message in case of error during CB Operation upload.
REPLY_CB_OPERATION	Reply message with CB contract Operation

	details.
QUERY_CB_EVNT_INFO	Query for Collection Bill Event information
REPLY_CB_EVNT_INFO	Reply message for Collection Bill Event Information
UPLOAD_CB_BULKOPER	Upload message for Collection Bill Bulk Payment Operation
ERROR_CB_BULKOPER	Error message in case of error during upload of CB Bulk Operation
REPLY_CB_BULKOPER	Reply message with CB contract Bulk Operation details.



Note the following:

- In all Upload, Amnd, Delete, Auth, Reverse, Operation incoming messages of FCCCB, Xref will be considered as either of Oracle FLEXCUBE Contract Reference No / User Reference No / External Reference No / Schedule reference no. In case of UPLOAD_CB_CONTRACT it will get stored as External Reference No in Oracle FLEXCUBE.
- In CB_BULKOPER and all Query incoming messages of FCCCB, Xref is message reference no and will not get stored or will not be used as query criteria in Oracle FLEXCUBE.
- For incoming messages having AUTHSTAT, Oracle FLEXCUBE will do authorization based on that field value. In case it is null, source preference maintained in Oracle FLEXCUBE will be considered.

In case of QUERY_CB_SCHD_INFO field OPER EVT is provided to simulate charges and Interest due amount before performing an event on the schedule.



FLEXML Interfaces

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