Oracle Financial Services Data Integration Hub Foundation Pack Extension for Oracle Flexcube Universal Banking Interface

User Manual

8.0.4.0.0

ORACLE
FINANCIAL SERVICES

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Preface

Audience

Following are the intended audience for the FCUBS user guide:

- ETL Developers: The ETL Developers from the IT Department of the financial services institution, who do the data sourcing.
- Business Analysts: The business analysts from the IT Department of the financial services institution, who do the mapping of the tables.

Prerequisites

- Data Integration Hub (DIH) should be installed
- OFSAA – FCUBS Interface should be installed
- Oracle Data Integrator environment for executing the interfaces

Related Information Sources

Along with this user manual, you can also refer to the following documents OTN documentation Library:

- Oracle Financial Services Data Integration Hub User Guide 8.0.4.0.0
- Oracle Financial Services Data Integration Hub Applications Pack Installation Guide Release 8.0.4.0.0
- Oracle Flexcube UBS-OFSAA Integration guide

Acronyms

Acronym	Description
DIH	Data Integration Hub
UI	User Interface
ODI	Oracle Data Integrator
ADI	Application Data Interface
KM	Knowledge Module
EDD	External Data Descriptor
Apps	Application
CASA	Current And Savings Account
CL	Consumer Lending

Acronym	Description
ELCM	Enterprise Limits and Collateral Management
FX	Foreign Exchange
GL	General Ledger
MM	Money Market
TD	Term Deposit
FIS	FLEXCUBE Information Server
EOFI	End of Financial Input
CD	Corporate Deposits
SR	Securities Repo and Reverse Repo
SE	Securities
ETD	Exchange Traded Derivatives
LC	Letter Of Credit
BC	Bills and Collections
DV	Derivatives
OT	OTC Options
LS	Syndication Loans and Commitments
LE	Leasing
CN	Collections
RL	Retail Lending

1 Introduction to FCUBS to OFSAA Interface

1.1. Overview of DIH Interface

Data Integration Hub (DIH) enables to load the data from the source systems to the OFSAA staging tables, through logical interfaces, known as Application Data Interfaces (ADI). DIH provides a set of User Interfaces (UI), which is used to define and maintain External Data Descriptors (EDD), Application Data Interfaces, and also map the EDDs and ADIs through Connectors. The mappings can be one to one, one to many, and many-to-many.

The source systems that supply data include, the core banking systems, rating systems, modeling systems, and so on. In the absence of DIH, the data from the source systems are extracted, transformed, and loaded (ETL process) to the physical tables in Oracle Data Integrator (ODI). With DIH, the ETL activity is not replaced; but DIH serves as an abstract, logical layer to the physical tables in Oracle Data Integrator (ODI).

Oracle Financial Services Analytical applications(OFSAA) enables financial institutions to measure and meet risk-adjusted performance objectives, cultivate a risk management culture, lower the costs of compliance and regulation, and improve customer insight.

Oracle FLEXCUBE Universal Banking (FCUBS) supports the changing landscape of retail, corporate, and investment banking needs with strong transaction banking and Islamic banking capabilities.

The current FCUBS-OFSAA interfaces, transfers all key data elements across various modules within FCUBS to OFSAA Common Staging Area (CSA).

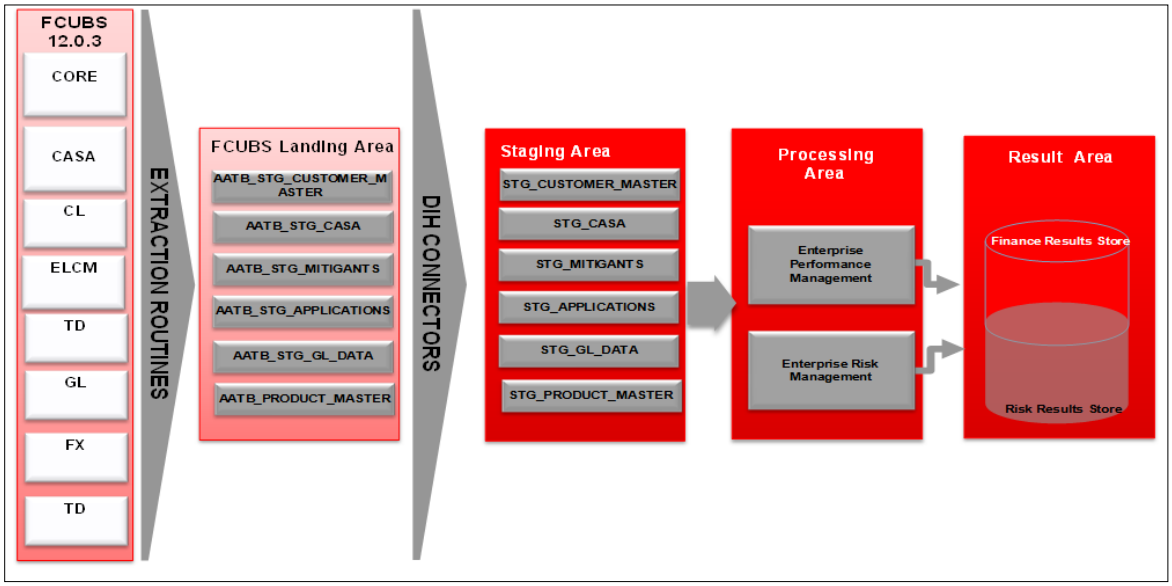
The integration between the Oracle FCUBS and the OFSAA enables the financial institutions to:

- get insight to customer patterns based on the data captured in core banking
- achieve end-to-end improvement in business delivery
- achieve effective performance and risk free management using the available customer data

This integration is achieved by handing off FCUBS core banking data with OFSAA through FLEXCUBE Information Server (FIS) and DIH.

NOTE: The supported version of FCUBS is 12.0.3.0.

1.2. Data flow



The procedures are packaged within FCUBS which populates data from various tables in FCUBS to several landing area tables after execution. Essentially a 1:1 mapping is done between the landing area table (EDD) and OFSAA staging area table (ADI). Most of the calculations and transformations are done within these extraction routines. The DIH connector pulls data from the landing tables and populates the same in the staging area tables.

1.3. Integration Scope in Oracle FLEXCUBE Universal Banking System

The following integration activities take place in Oracle FLEXCUBE Universal Banking System.

Module	Hand off Details
Core Entities	• Customer address, phone numbers, and email IDs • Customer education and employment details • Customer marital status • Customer relationship details • Details of organizations that are the customers • Exchange rate information • Details of all geographical locations and transaction channels of the bank • Details of the loan product category and list of all products

Current Account and Savings Account	• All the personal and business addresses, email IDs and phone numbers associated with an account • List of branch transactions • CASA account ledger and transactions on OD accounts • Interest rates of CASA and OD accounts
Consumer Lending	• All the personal and business addresses, email IDs and phone numbers associated with an account • Loan contract transactions details • Repayment schedules of contracts like loan, mortgages, OD and credit cards
Term Deposit	• Term deposit product processor and term deposit ledger table details
Enterprise Limits and Collateral Management	• Details of the collaterals submitted by the customer for various loan contracts • Customer credit line details • Market value and original value of the collaterals
General Ledger	• GL book parameters and the list of GL items available in FCUBS • GL balance of the customer • Interbank correspondent transactions of a customer
Foreign Exchange	• Forex account transaction data of a customer • Foreign exchange contracts of a customer • Exchange rates between two currencies
Money Market	• Borrowing records of the customer • Money market transaction data
Corporate Deposits	• Corporate deposit product processor and Corporate deposit ledger table details
Securities Repo and Reverse Repo	• Repo and Reverse Repo record details • Repo and Reverse Repo Transaction details
Securities	• Instrument Contract Customer data • Market Instrument Contract Data

	• Instrument Market Prices
Exchange Traded Derivatives	• Future Contracts Data • Future Contracts Transaction Data
Letter Of Credit	• Letter of Credit Contract Data • Letter of Credit Transaction Data
Bills and Collections	• Payment and collection details • Bills and Collections Transaction Data
Derivatives	• Hedging Data of Forwards, Futures, Options and Swaps • Derivatives Transaction data
OTC (Over the Counter) Options	• Option Contracts data • Option Contracts Transaction data
Syndication Loans and Commitments	• Loan Write-Off and Recovery details
Leasing	• Lease contract Data
Collections	• Collection Data
Retail Lending	• Loan Write-off and Recovery Details

1.4. Extraction Process for Tables of Flexcube Module

FIS is used as the gateway in the FCUBS - OFSAA integration. FCUBS internally uses FIS framework components to extract data and stores the data in the staging tables of FCUBS. During End of Financial Input (EOFI) batch, the module wise data in FIS are extracted to staging tables in FCUBS. FCUBS provides a control table to indicate successful data extraction. OFSAA pulls the data from the tables in FCUBS using the DIH connector. If source and target systems are in the same database, then data from source staging table are transformed and loaded to fact and dimension tables in target system using synonyms. If the source and target systems are in different database, then data from source staging table are loaded to target staging table using transportable table spaces. The transfer or extraction of data from FCUBS to OFSAA differs based on the staging tables as follows:

- Master table - Incremental data between two extraction dates are transferred.
- Maintenances and contract tables - Entire transaction data are transferred in each extraction.
- Transaction table - Data related to the transactions created on the extraction date are transferred.

1.5. Data Transfer from FCUBS to OFSAA

The core banking data in Oracle FCUBS are transferred to OFSAA using FIS. The data in FCUBS staging tables are mapped to FIS staging table. During end of day, the core banking data are sent to FIS. OFSAA then picks the data from FIS through DIH.

For details on data transfer from FCUBS to OFSAA, refer to the attached sheet FCUBS_OFSAA_Data_Transfer_Details.xls.

The file FCUBS OFSAA data transfer details has the following details:

- Source System
- Target System
- Data Transferred
- Source System Module
- FCUBS Staging Table Name
- Extraction Package Name
- Target System Table Name
- Extraction Routine
- Data Included in the Extraction

1.6. List of Flexcube Modules

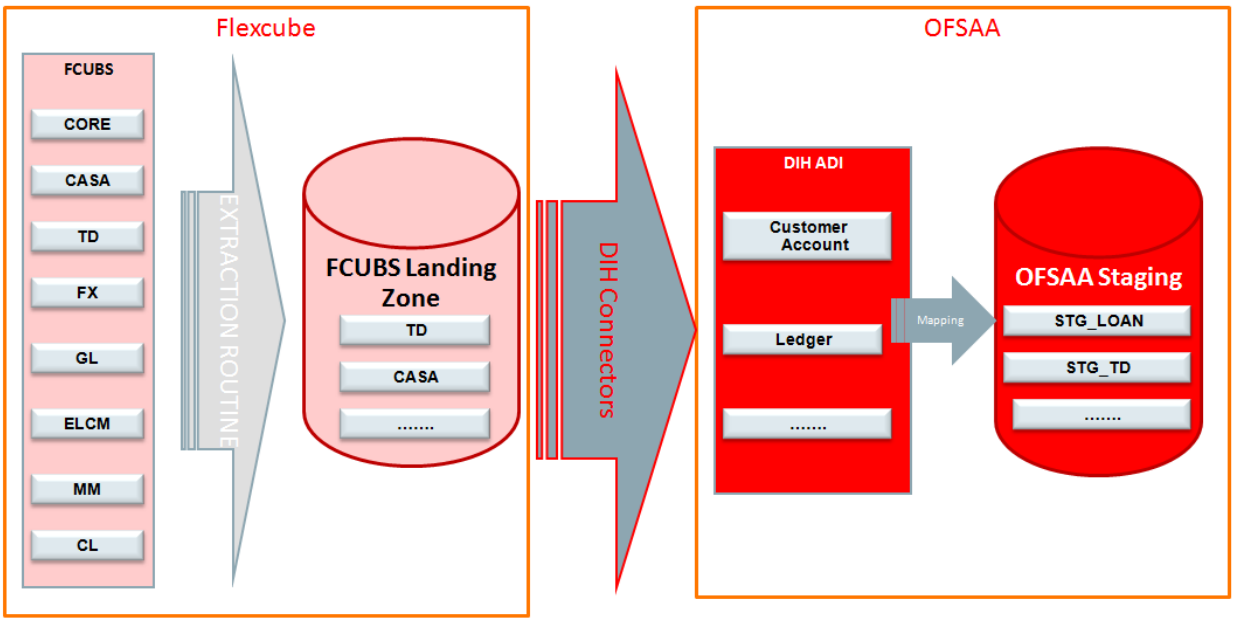
The modules used in Flexcube are as follows:

- CASA
- CL
- CORE
- ELCM
- FX
- GL
- MM
- TD
- CD
- SR
- SE
- ETD
- LC

- BC
- ED
- DV
- OT
- LS
- LE
- CN
- RL

2 Flexcube- OFSAA Interface Architecture

In this data flow environment diagram, the data is extracted from FCUBS to the FCUBS landing zone. This data, with the help of DIH Connectors, is loaded to DIH ADI which in turn is mapped to the OFSAA Staging table.



3 Mapping the OFSAA User to FCUBS User Groups

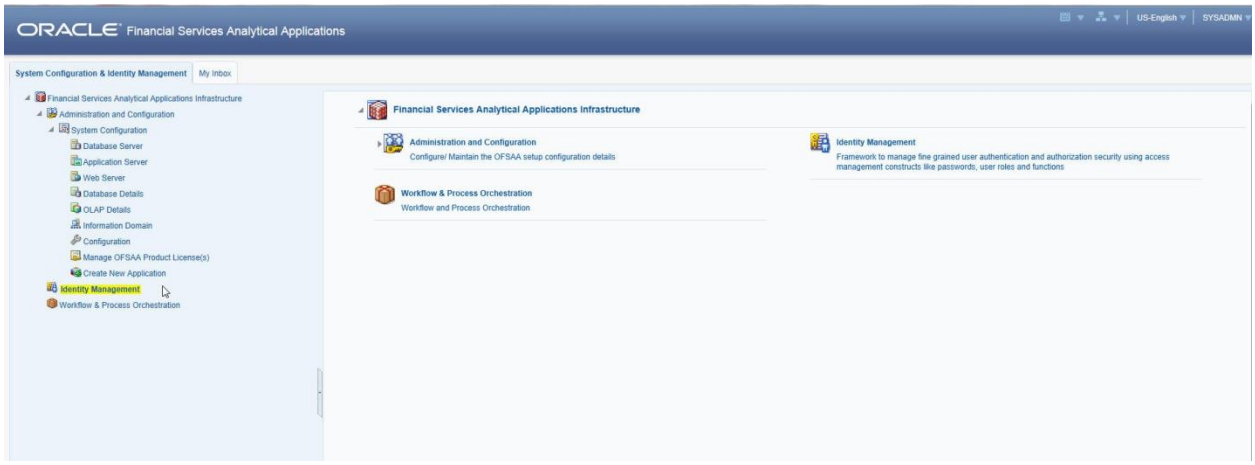
User group mapping enables you to map user(s) to specific user group which in turn is mapped to a specific Information Domain and role. Every User Group mapped to the infodom should be authorized. Else, it cannot be mapped to users.

User Group Map screen displays fields such as **User ID**, **Name**, and the corresponding **Mapped Groups**. You can view and modify the existing mappings within the **User Group Maintenance** screen.

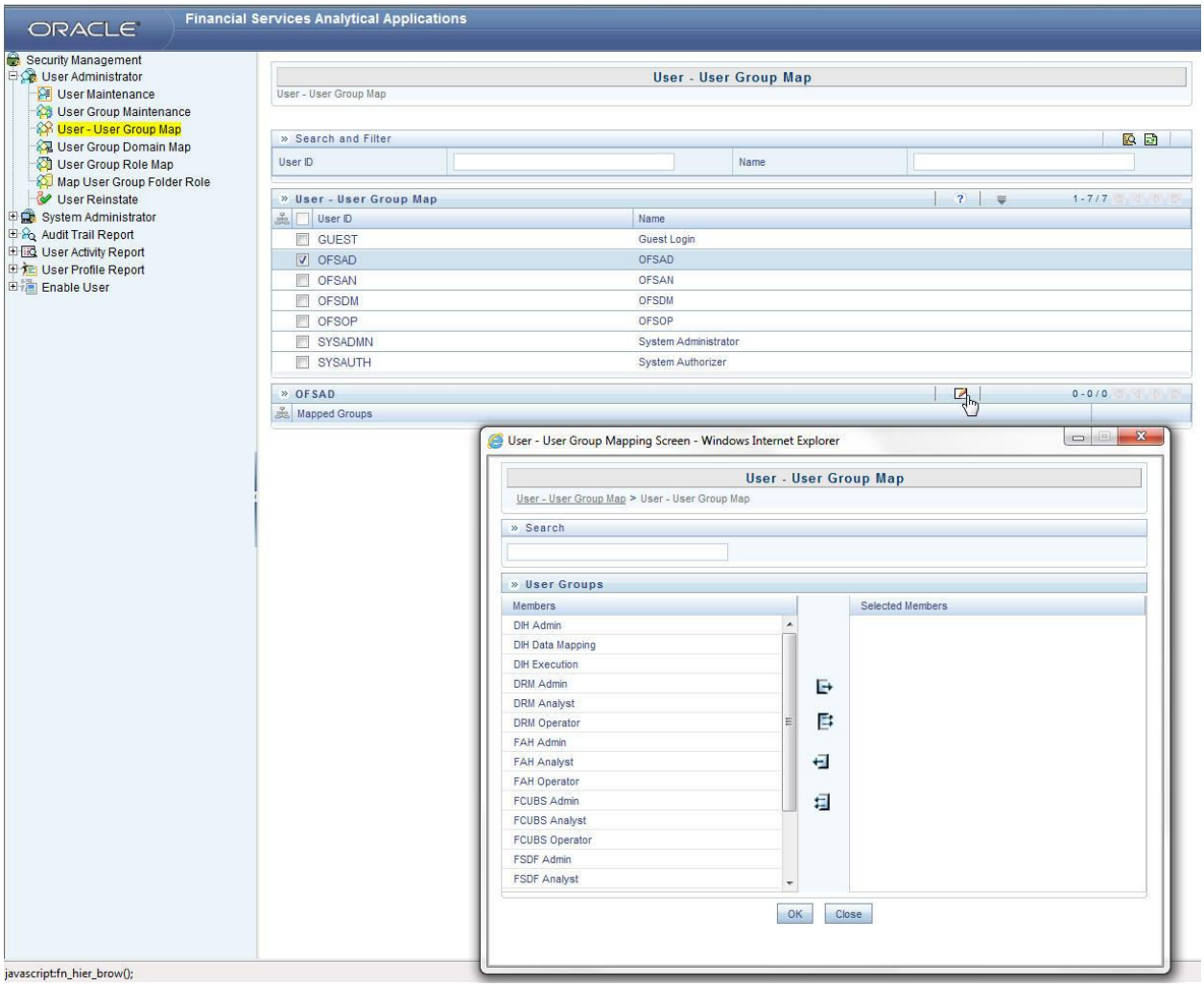
To access User Group Mapping navigate to, and click Identity Management section. For details on mapping user to user groups refer to *OFSAAI User Guide* in OTN documentation library.

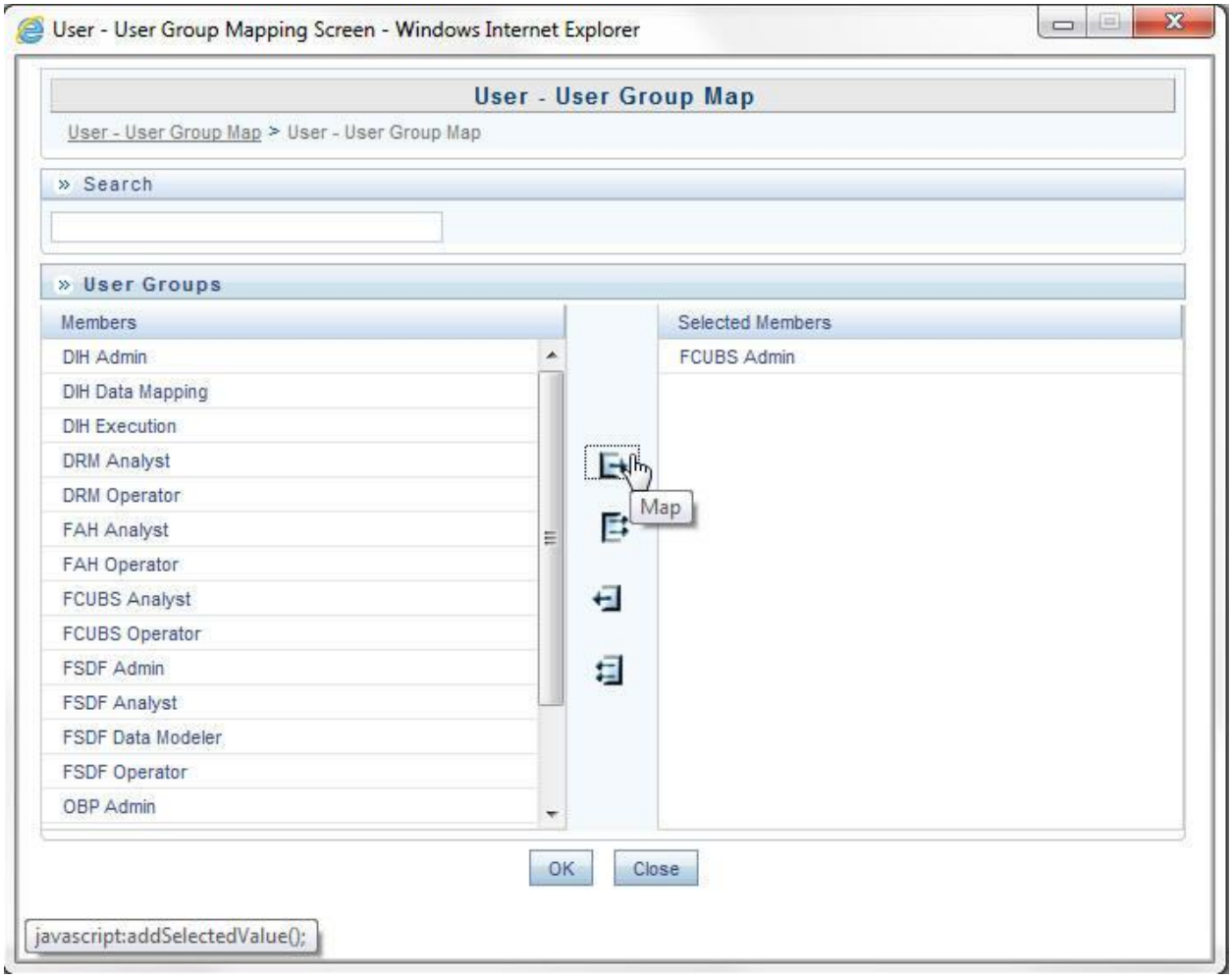
Seeded User Groups for OFSAA - FCUBS Interface

Name	Description
FCUBS Admin	User mapped to this group will have access to all the menu items for entire FCUBS Application. The exclusive menu's which are available only to this group users are FCUBS *Administration*
FCUBS Data Mapping	User mapped to this group will have access to FCUBS Data Mapping Menu
FCUBS Operator	User mapped to this group will have access to Orchestration and Execution Menu



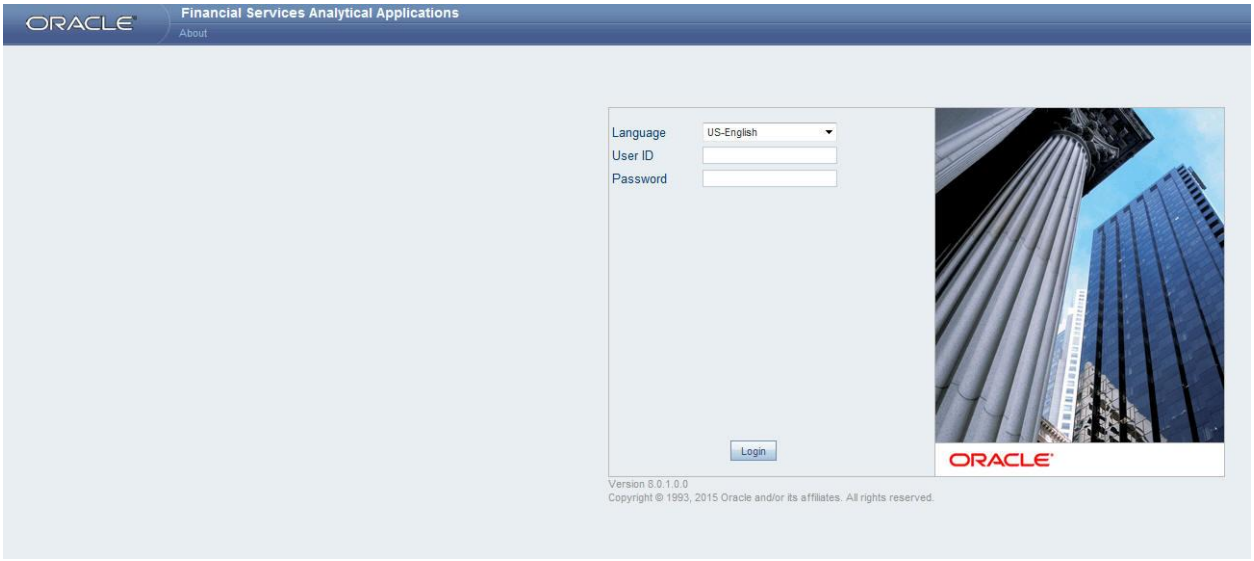
Identity Management


Financial Services Analytical Applications
Security Management
User Administrator
User Maintenance
User Group Maintenance
User - User Group Map
User Group Domain Map
User Group Role Map
Map User Group Folder Role
User Reinstate
System Administrator
Audit Trail Report
User Activity Report
User Profile Report
Enable User
User - User Group Map
User - User Group Map
Search and Filter
User ID
Name
User - User Group Map
1 - 7 / 7
User ID
Name
GUEST
Guest Login
OFSAD
OFSAD
OFSAN
OFSAN
OFSDM
OFSDM
OFSOP
OFSOP
SYSADMN
System Administrator
SYSAUTH
System Authorizer
OFSAD
0 - 0 / 0
Mapped Groups
User - User Group Mapping Screen - Windows Internet Explorer
User - User Group Map
User - User Group Map > User - User Group Map
Search
User Groups
Members
Selected Members
DIH Admin
DIH Data Mapping
DIH Execution
DRM Admin
DRM Analyst
DRM Operator
FAH Admin
FAH Analyst
FAH Operator
FCUBS Admin
FCUBS Analyst
FCUBS Operator
FSDF Admin
FSDF Analyst
OK
Close
javascript:fn_hier_brow();


User - User Group Mapping Screen - Windows Internet Explorer
User - User Group Map
User - User Group Map > User - User Group Map
» Search
» User Groups
Members
DIH Admin
DIH Data Mapping
DIH Execution
DRM Analyst
DRM Operator
FAH Analyst
FAH Operator
FCUBS Analyst
FCUBS Operator
FSDF Admin
FSDF Analyst
FSDF Data Modeler
FSDF Operator
OBP Admin
Selected Members
FCUBS Admin
Map
OK
Close
javascript:addSelectedValue();

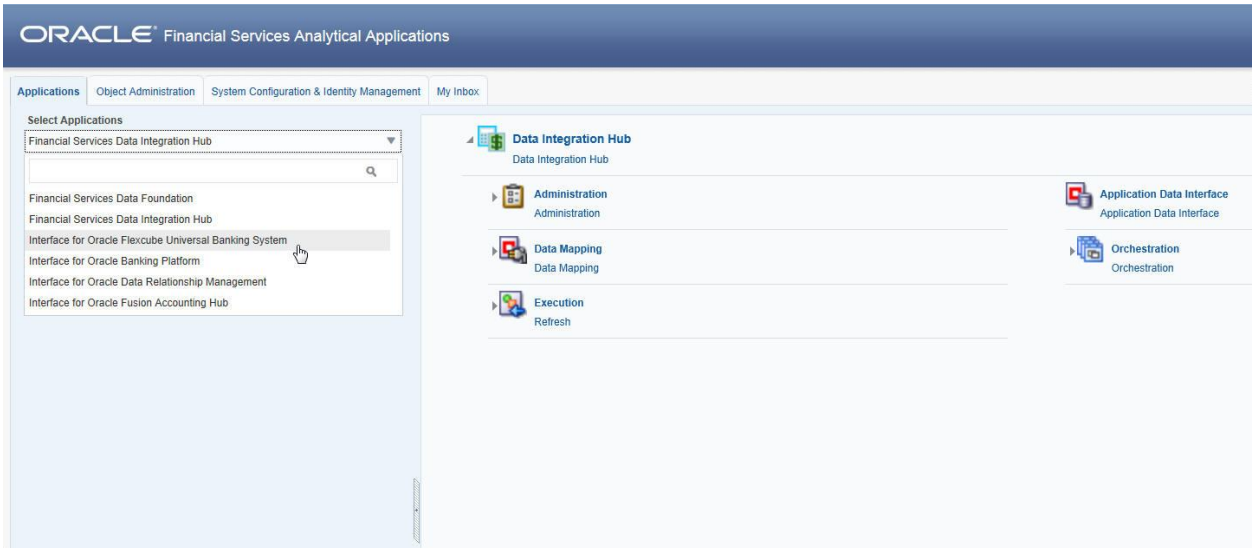
4 Logging into FCUBS-OFSAA Interface

Access the FCUBS-OFSAA Interface using your login credentials (User ID and password). The built-in security system ensures that you are permitted to access the window and actions based on the authorization only.

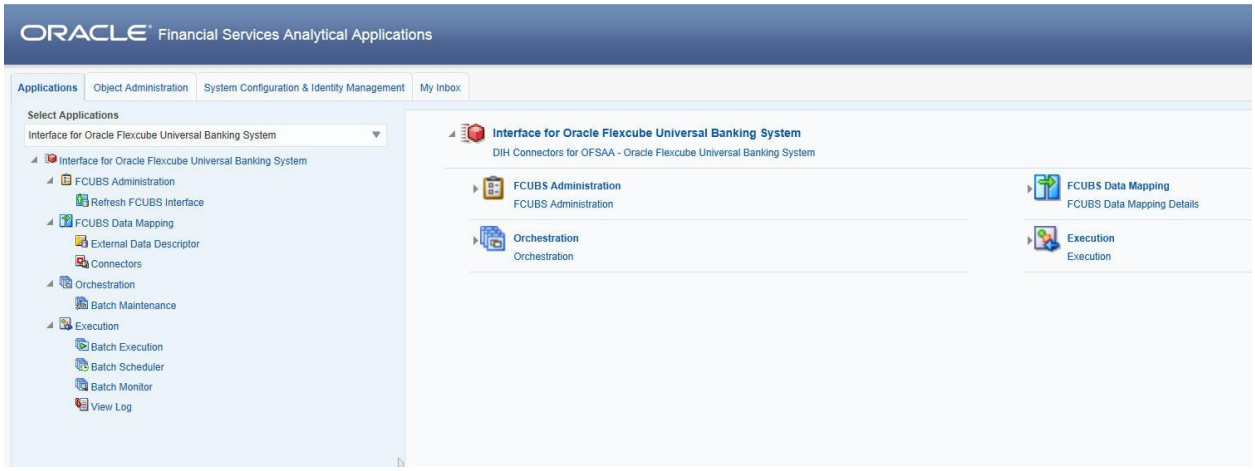


After logging into the application, select ***Interface for Oracle Flexcube Universal Banking System*** from the applications drop-down list.

NOTE: You should be mapped at least any one of the FCUBS user groups in order to get the application in the drop down.



The FCUBS-OFSAA landing page is displayed below.


ORACLE Financial Services Analytical Applications
Applications
Object Administration
System Configuration & Identity Management
My Inbox
Select Applications
Interface for Oracle Flexcube Universal Banking System
Interface for Oracle Flexcube Universal Banking System
FCUBS Administration
Refresh FCUBS Interface
FCUBS Data Mapping
External Data Descriptor
Connectors
Orchestration
Batch Maintenance
Execution
Batch Execution
Batch Scheduler
Batch Monitor
View Log
Interface for Oracle Flexcube Universal Banking System
DIH Connectors for OFSAA - Oracle Flexcube Universal Banking System
FCUBS Administration
FCUBS Administration
FCUBS Data Mapping
FCUBS Data Mapping Details
Orchestration
Orchestration
Execution
Execution

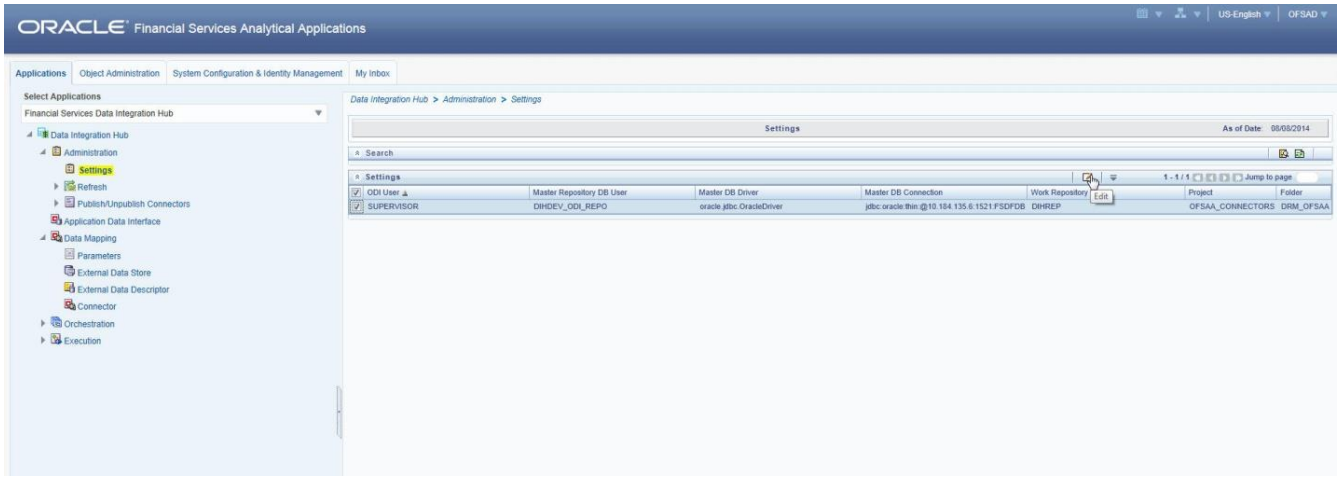
5 Prerequisites for Deploying OFSAA-FCUBS Connectors

The deployment process requires the following actions to be performed as prerequisites. Ensure that these requirements are met before starting the deployment using Refresh FCUBS interface menu.

- The user must be mapped to the user group **FCUBS Admin** in order to get the Refresh FCUBS Interface menu.
- The user should have mapped to **DIH Admin** and **DIH Data Mapping** user groups to configure the Oracle Data Integrator (ODI) settings and External Data Store respectively.

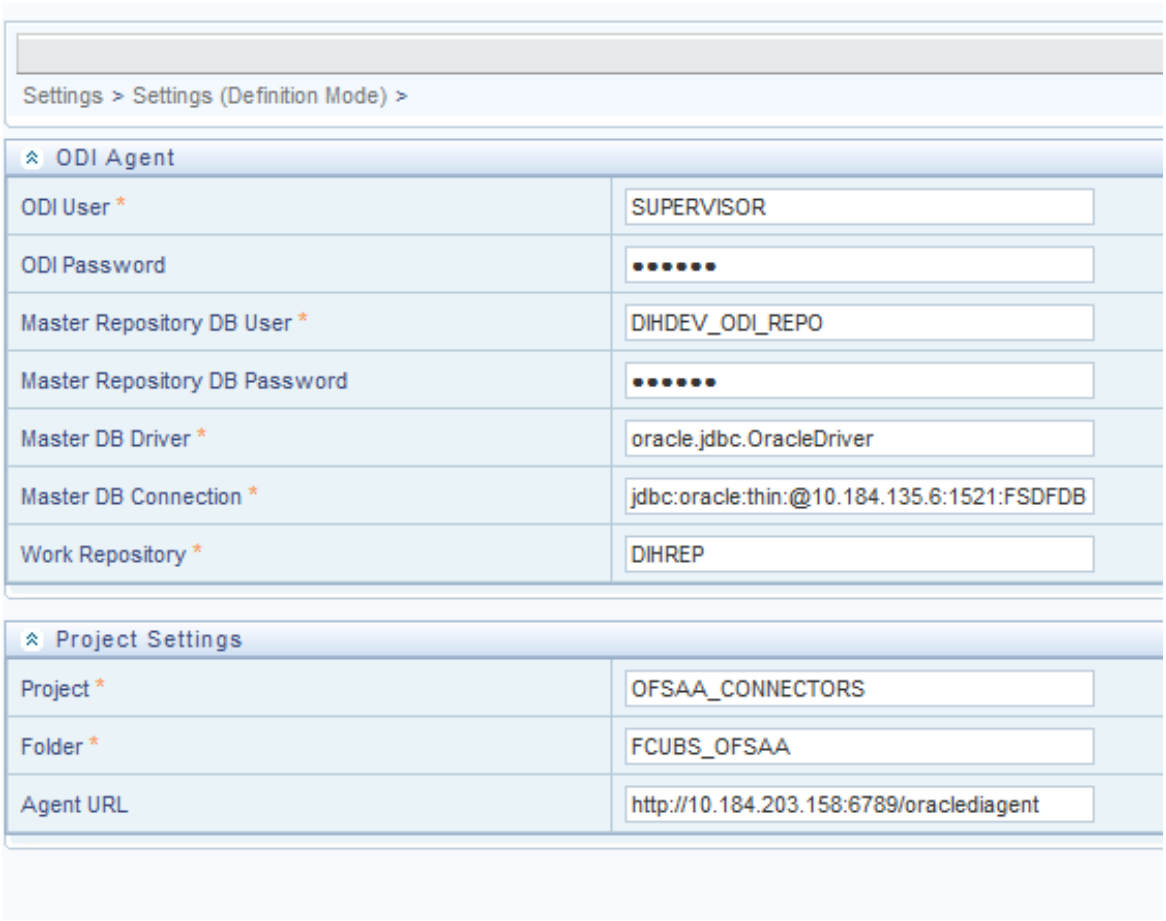
Follow the below steps:

1. Complete the ODI settings using "**Settings**" option in **DIH Application** menu before deploying the interface.
2. Select the entry which is present and click **Edit.**



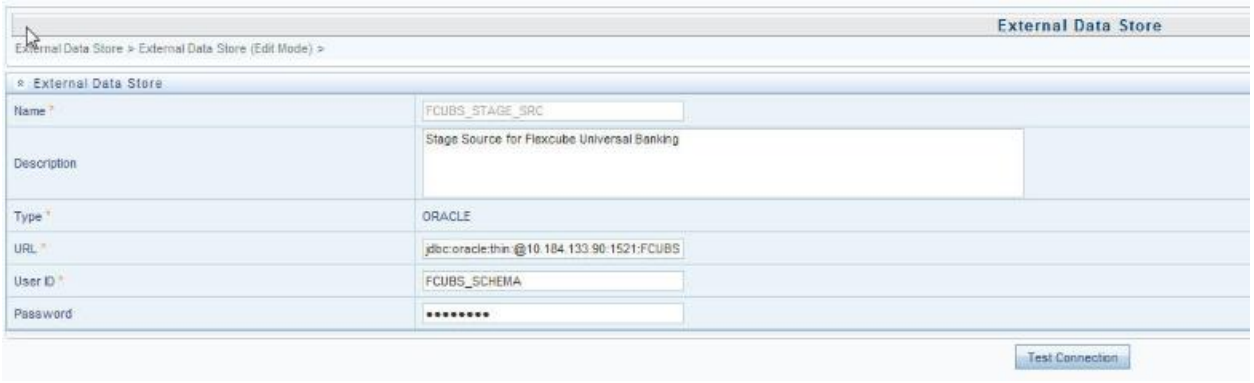
3. The ODI settings screen is displayed. Update the setting information correctly before proceeding to the deployment of FCUBS interface connectors.

Settings Menu	Values Required	Example
ODI User	User Name used for Login to ODI	SUPERVISOR
ODI Password	ODI Password for the ODI user to login	odipassword
Master Repository DB User	Master Repository DB Schema User Name created for ODI	DIHDEV_ODI_REPO
Master Repository DB Password	Master Repository DB Schema Password	dbpassword
Master DB Driver	Oracle Driver (Use the Default)	oracle.jdbc.OracleDriver
Master DB Connection	Oracle Database JDBC URL	jdbc:oracle:thin:@10.184.135.6:1521:DIHDB
Work Repository	Repository used inside ODI	DIHREP

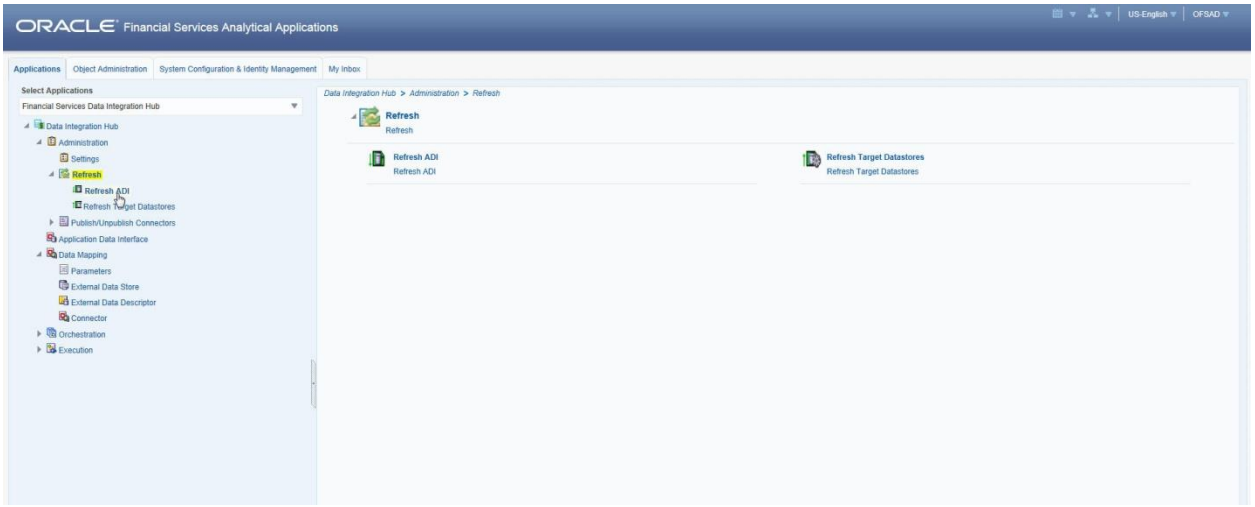


4. A source named **FCUBS_STAGE_SRC** is present in **External Data Store** under **DIH Application**. Select the entry which is present as **FCUBS_STAGE_SRC** and click **Edit.**

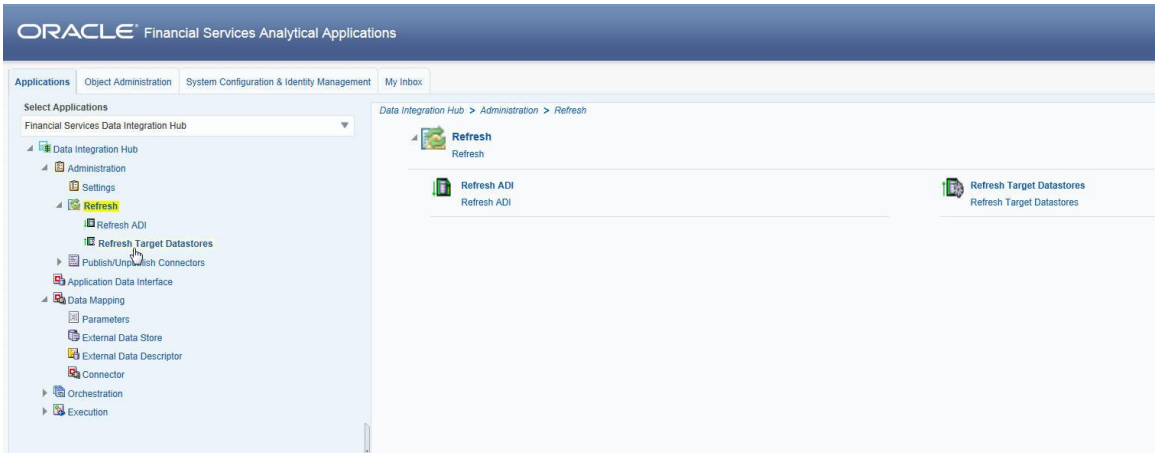
5. Provide the details of FCUBS schema user name and password where you have the Landing Tables of FCUBS Application. Refer to DIH User manual for more details on External Data Store settings.



6. Navigate to **DIH Application**, select **Administration** menu and Click **Refresh ADI Menu.** This will refresh all the Application Data Interfaces, and creates the Application Data Interfaces for all the staging tables present in the model which is being uploaded in the same Infodom.



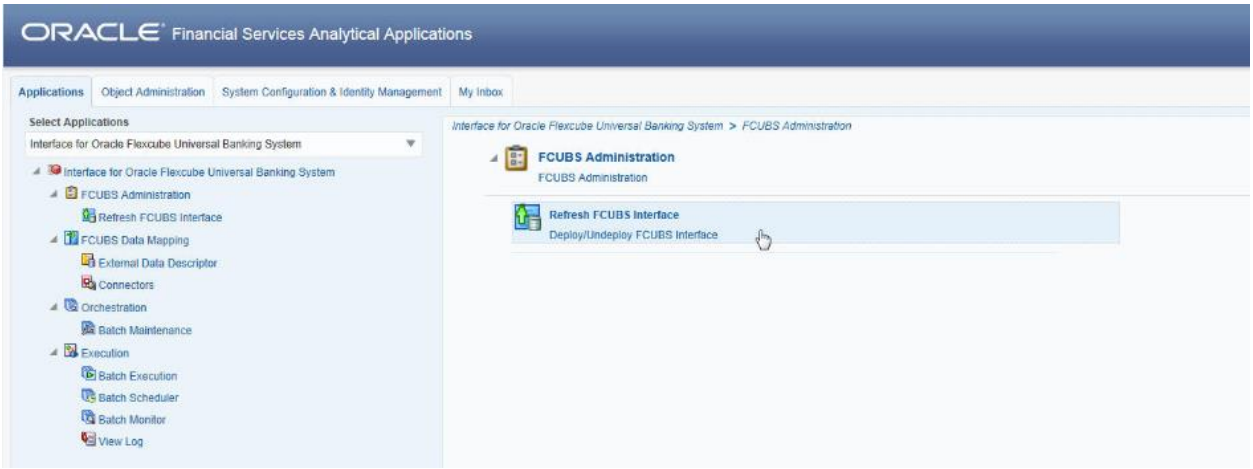
7. Navigate to **DIH Application**, select **Administration** menu and click **Refresh Target Datastores.** This will refresh all the available target data stores.



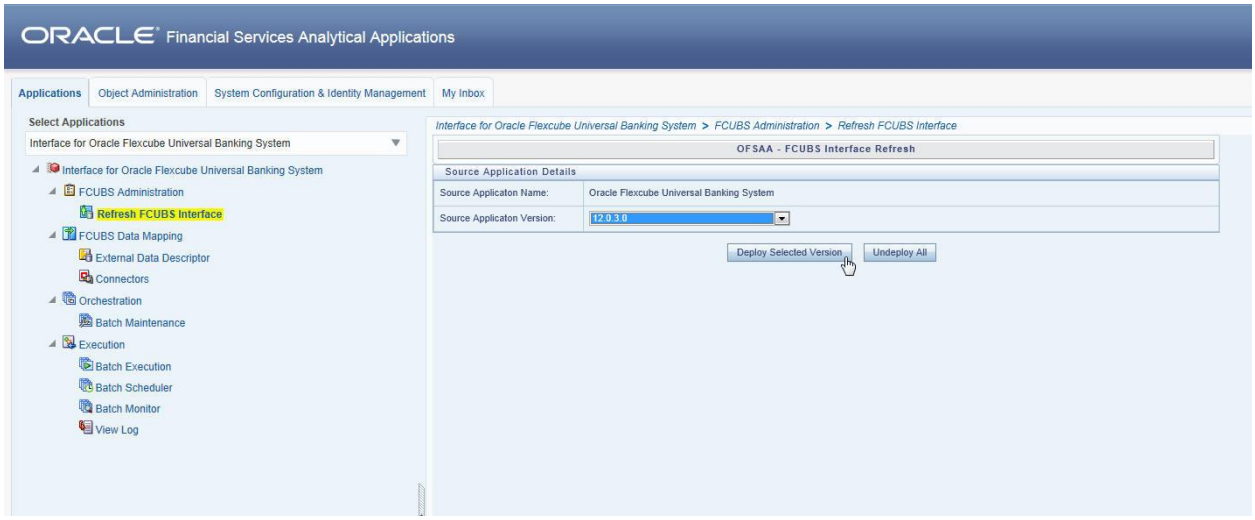
6 Deploying OFSAA-FCUBS Connectors Using Refresh FCUBS Interface Menu

After the pre-requisites are complete, you can deploy the FCUBS connectors that map the multiple file EDD's to the corresponding ADI's, by using **Refresh FCUBS Interface** menu. This creates the corresponding External Data Descriptor and Connectors inside **Data Mapping** Menu of the FCUBS Interface.

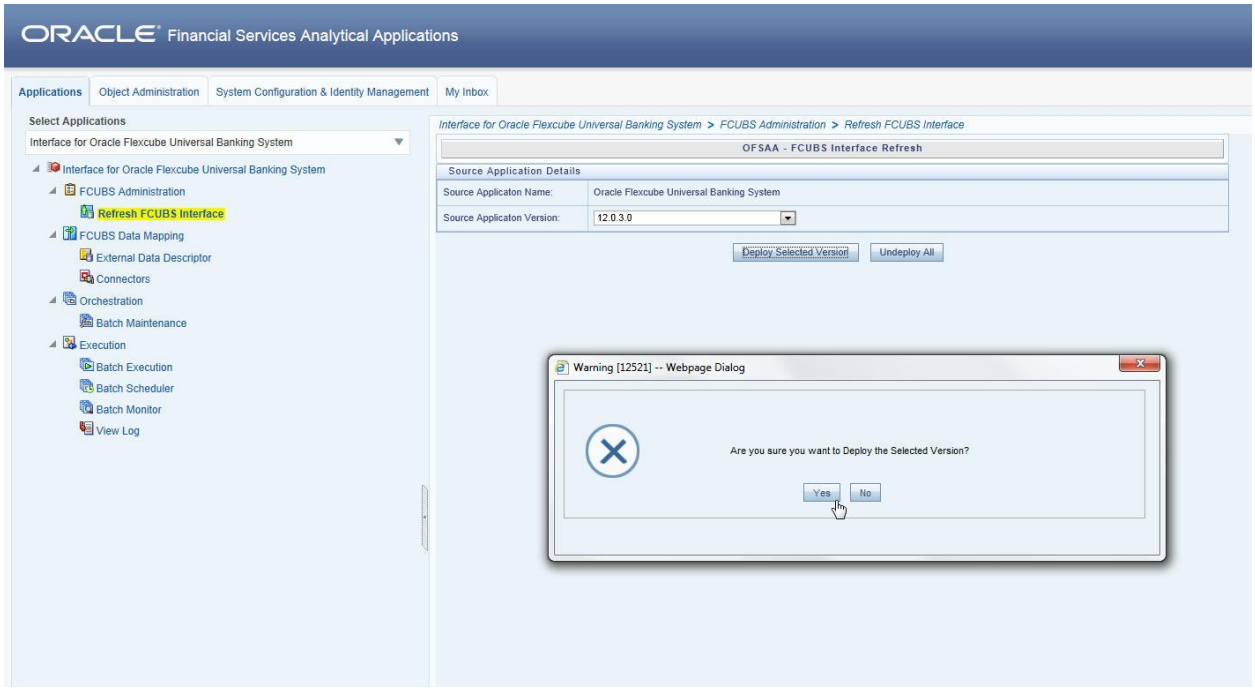
1. Navigate to the FCUBS application interface.
2. Select **Administration,** and click **Refresh FCUBS Interface.**



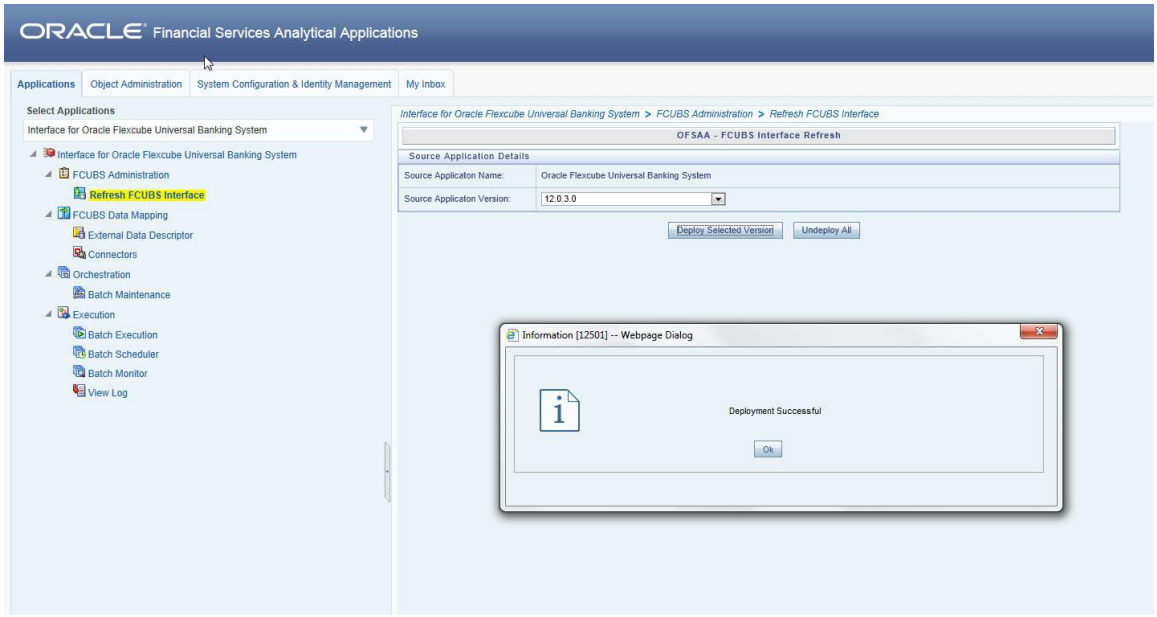
3. Select the **Source App Version** (FCUBS Version 12.0.3.0) from the drop-down menu.
4. Click **Deploy Selected Version**



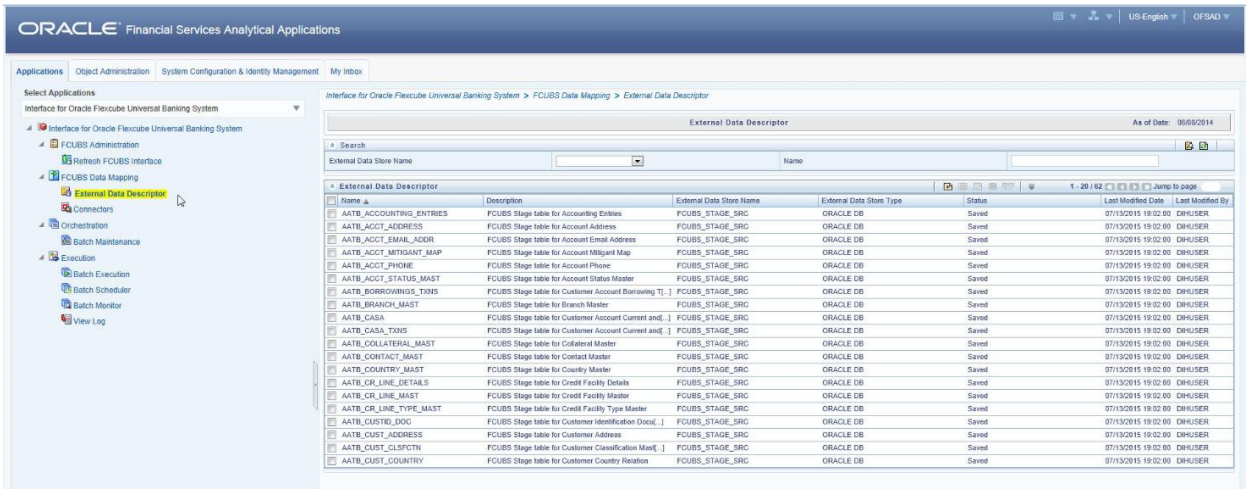
5. A message "*Are you sure you want to Deploy the Selected Version?*" is displayed. Click *Yes* to proceed.



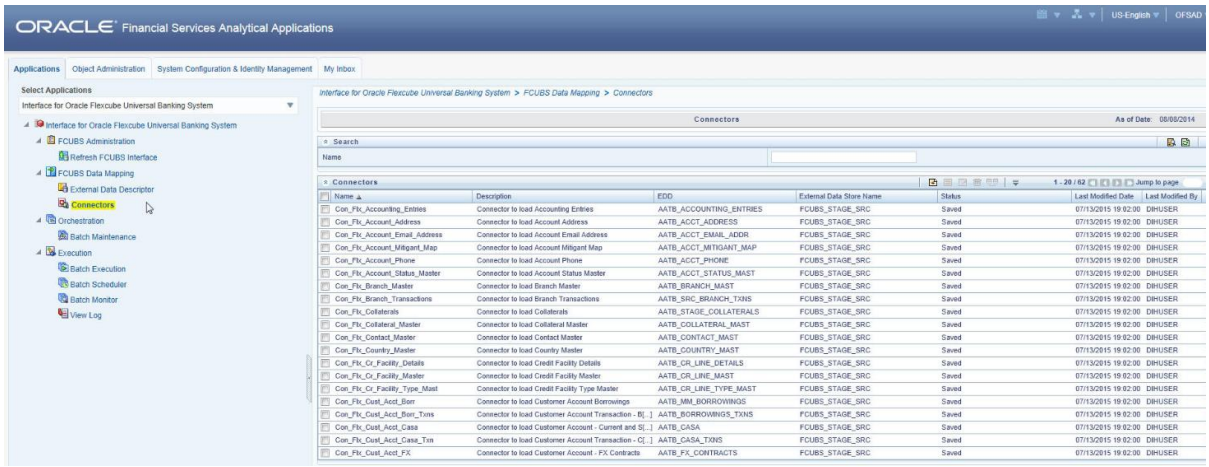
After the deployment is complete, the *"Deployment Successful"* message is displayed.



6. Navigate to **External Data Descriptor** and **Connectors** under **FCUBS Data Mapping** for checking the deployed EDDs, Connectors and the Mappings.



FCUBS External Data Descriptor



FCUBS Connectors

NOTE: After successful deployment of connectors, while executing the connectors, some connectors may fail due to data length mismatch with the error 'ORA-01438: value larger than specified precision allowed for this column'. Correct the data model and proceed.

NOTE: Some of the Packaged Data Quality checks might fail due to incorrect data flowing from Flexcube.

7 Undeploying OFSAA-FCUBS Connectors Using Refresh FCUBS Interface Menu

You can use the **Undeploy All** button to undeploy the connectors. Use the undeploying feature in the following scenarios.

7.1 Deploying Upgraded Source Version

If there is an upgraded source application (FCUBS) available, you can undeploy the existing version of the connector, and redeploy the same by selecting the available upgraded source version. The current available source version for FCUBS connector supports FCUBS version 12.0.3.0.

NOTE: You can deploy only one source version at a time. You need to upgrade the source, undeploy the version and deploy the required version.

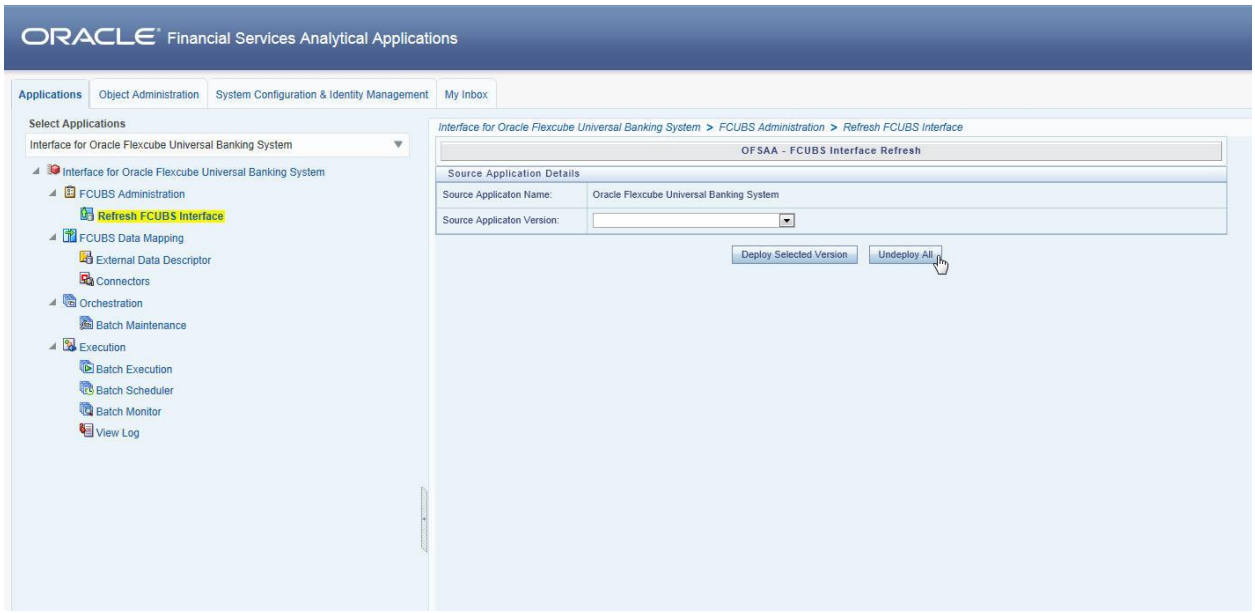
7.2 Changes in ODI / External Data Store Settings

If there is a change in the ODI/ External Data Store settings, then you can undeploy the connectors. Modify the settings and redeploy to obtain the latest connector settings.

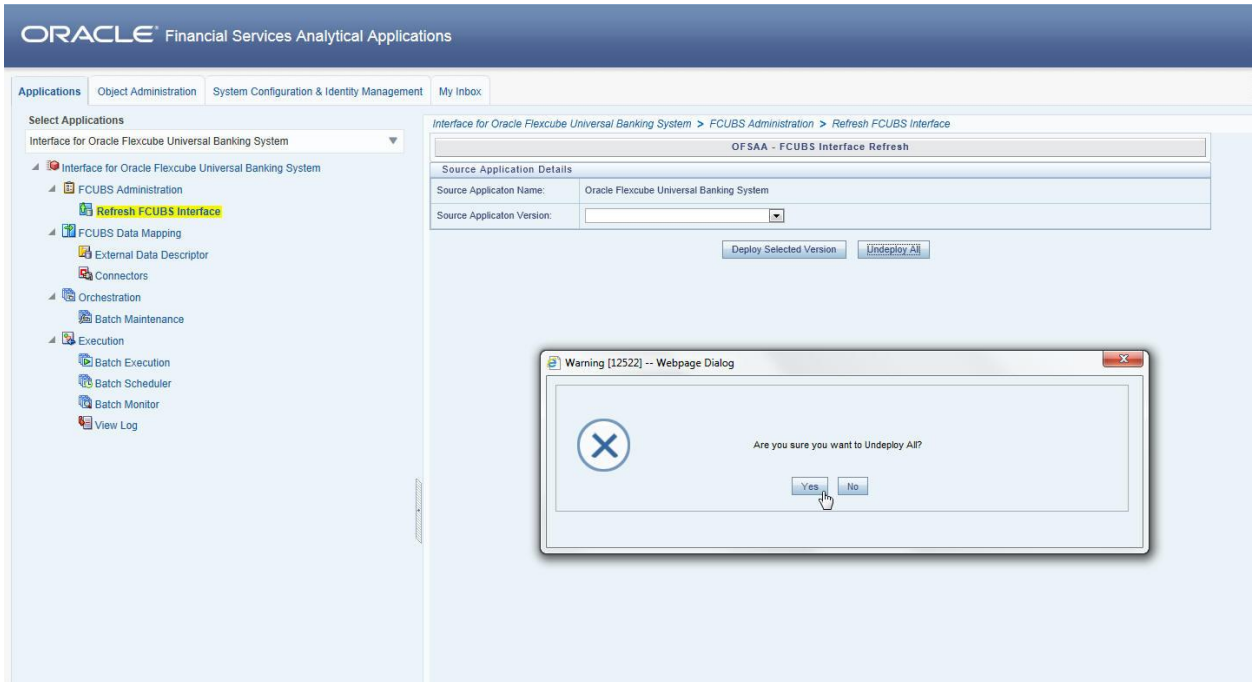
NOTE: You cannot undeploy the connectors if any of the Connector/External Data Descriptor is in published mode. Unpublish all the Connector/External Data Descriptor before proceeding with undeployment.

Follow the below steps to undeploy:

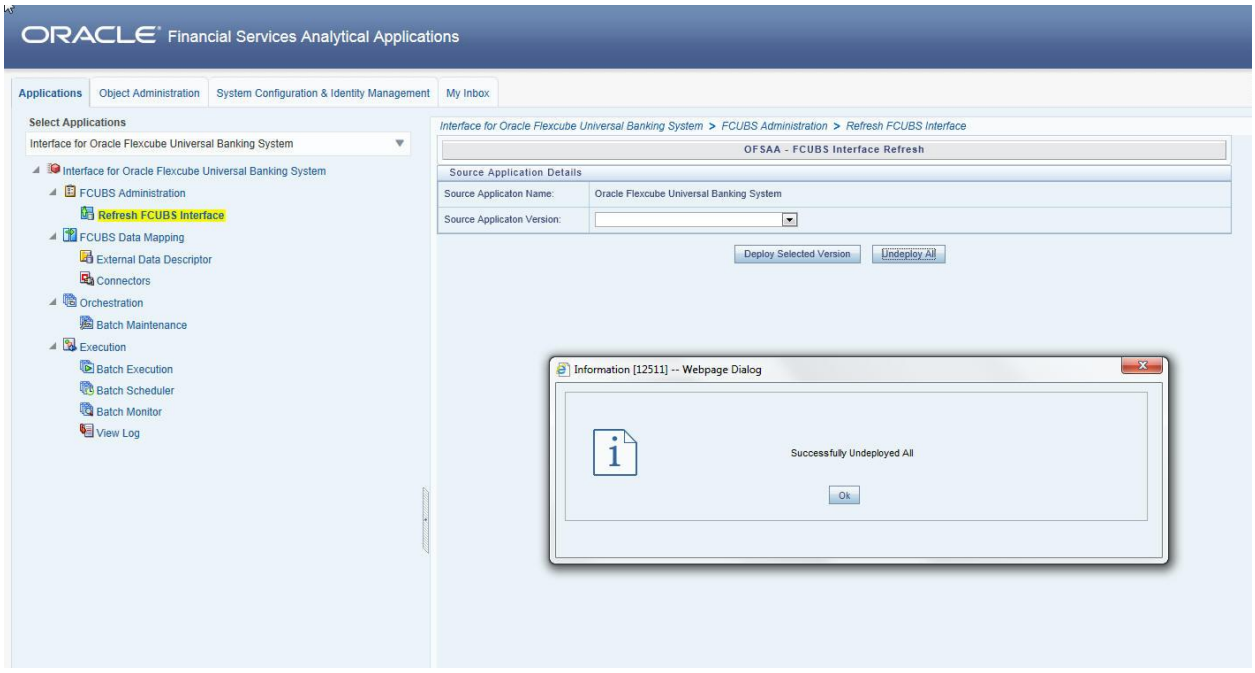
1. Click **Undeploy All** to undeploy the Connector version.



2. A message "*Are you sure you want to Undeploy All?*" is displayed. Click *Yes* to proceed.



3. After the undeployment is complete, the *"Successfully Deployed All"* message is displayed.



8 CASA Module

Currents and Savings Account (CASA) is an attempt to combine savings and checking accounts to entice customers to keep their money in the banks. It is more prominent in Middle and Southeast Asia.

8.1 List of CASA Tables

- For Connector: Con_Flx_Cust_Acct_Casa

  The ADI is: Customer Account

  ADI Subtype: CASA Contracts

  The EDD is: AATB_CASA

- For Connector: Con_Flx_Cust_Acct_OD

  The ADI is Customer Account

  ADI Subtype: OD Accounts

  EDD is: AATB_OD_ACCTS

- For Connector: Con_Flx_Branch_Transactions

  The ADI is Branch Transactions

  EDD is: AATB_SRC_BRANCH_TXNS

- For Connector: Con_Flx_Cust_Acct_Casa_Txn

  The ADI is Customer Account Transaction

  ADI Subtype: CASA Transaction

  EDD is: AATB_CASA_TXNS

- For Connector: Con_Flx_Cust_Acct_OD_Txn

  The ADI is Customer Account Transaction

  ADI Subtype: Over Draft Accounts Transactions

  EDD is: AATB_OD_ACCTS_TXNS

- For Connector: Con_Flx_Account_Address

  The ADI is Account Address

  EDD is: AATB_ACCT_ADDRESS

- For Connector: Con_Flx_Account_Email_Address

  The ADI is Account Email Address

  EDD is: AATB_STG_ACCOUNT_EMAIL_ADDR

- For Connector: Con_Flx_Account_Phone

  The ADI is Account Phone

  EDD is: AATB_ACCT_PHONE

- For Connector: Con_Flx_Account_Status_Master

  The ADI is Account Status Master

  EDD is: AATB_ACCT_STATUS_MAST

For the above connectors, refer the file CASA for FCUBS Column name and the Target Logical Name.

9 Consumer Lending (CL) Module

Consumer Lending is an amount of money lent to an individual (usually on a non-secured basis) for personal purpose. Consumer loans are monitored by government regulatory agencies for their compliance with consumer protection regulations such as the Truth in Lending Act.

9.1 List of CL Tables

- For Connector: Con_Flx_Cust_Acct_Loan

  The ADI is Customer Account

  ADI Subtype: Loan Contracts

  EDD is: AATB_LOAN_CONTRACTS

- For Connector: Con_Flx_Cust_Acct_Loan_Txn

  The ADI is Customer Account Transaction

  ADI Subtype: Loan Contracts Transactions

  EDD is: AATB_LOAN_CONTRACT_TXNS

- For Connector: Con_Flx_Payment_Schedule

  The ADI is Payment Schedule

  EDD is: AATB_PAYMENT_SCHEDULE

For the above connector, refer the file CL for FCUBS Column name and the Target Logical Name.

10 CORE Module

10.1 List of CORE Tables

- For Connector: Con_Flx_Branch_Master

  The ADI is Branch Master

  EDD is: AATB_BRANCH_MAST

- For Connector: Con_Flx_Contact_Master

  The ADI is Contact Master

  EDD is: AATB_CONTACT_MAST

- For Connector: Con_Flx_Country_Master

  The ADI is Country Master

  EDD is: AATB_COUNTRY_MAST

- For Connector: Con_Flx_Cust_Address

  The ADI is Customer Address

  EDD is: AATB_CUST_ADDRESS

- For Connector: Con_Flx_Cust_Class_Mast

  The ADI is Customer Classification Master

  EDD is: AATB_CUST_CLSFCTN

- For Connector: Con_Flx_Cust_Country_Relation

  The ADI is Customer Country Relation

  EDD is: Customer Country Relation

- For Connector: Con_Flx_Cust_Details

  The ADI is Customer Details

  EDD is: AATB_CUST_DETAILS

- For Connector: Con_Flx_Cust_Education_Master

  The ADI is Customer Education Master

  EDD is: AATB_CUST_EDUCATION

- For Connector: Con_Flx_Cust_Email_Address

  The ADI is Customer Email Address

  EDD is: AATB_CUST_EMAIL_ADD

- For Connector: Con_Flx_Cust_Emp_Type_Mast

  The ADI is Customer Employment Type Master

  EDD is: AATB_CUST_EMPLOYMENT

- For Connector: Con_Flx_Cust_Identi_Doc

  The ADI is Customer Identification Document

  EDD is: AATB_CUSTID_DOC

- For Connector: Con_Flx_Cust_Master

  The ADI is Customer Master

  EDD is: AATB_CUST_MAST

- For Connector: Con_Flx_Cust_Phone

  The ADI is Customer Phone

  EDD is: AATB_CUST_PHONE

- For Connector: Con_Flx_Cust_Relationships

  The ADI is Customer Relationships

  EDD is: AATB_CUST_RLTNSP

- For Connector: Con_Flx_Cust_To_Cust_Rel

  The ADI is Customer To Customer Relationships

  EDD is: AATB_CUST_CUST_RLTN

- For Connector: Con_Flx_Cust_Type_Master

  The ADI is Customer Type Master

  EDD is: AATB_CUST_TYPE

- For Connector: Con_Flx_Exchange_Rates

  The ADI is Exchange Rates

  EDD is: AATB_XCHNGE_RATE_HIST

- For Connector: Con_Flx_Financial_Year_Master

  The ADI is Financial Year Master

  EDD is: AATB_FINYEAR_MAST

- For Connector: Con_Flx_Geography_Master

  The ADI is Geography Master

  EDD is: AATB_GEOGRAPHY_MAST

- For Connector: Con_Flx_Marital_Status_Master

  The ADI is Marital Status Master

  EDD is: AATB_MARITAL_STAT

- For Connector: Con_Flx_Prod_Category_Master

  The ADI is Product Category Master

  EDD is: AATB_PROD_CATG_MAST

- For Connector: Con_Flx_Prod_Master

  The ADI is Product Master

  EDD is: AATB_PRODUCT_MAST

- For Connector: Con_Flx_Prod_Type_Master

  The ADI is Product Type Master

  EDD is: AATB_PRODTYPE_MAST

- For Connector: Con_Flx_Transaction_Master

  The ADI is Transaction Master

  EDD is: AATB_TXN_MASTER

- For Connector: Con_Flx_Ircs

  The ADI is Ircs

  EDD is: AATB_IRCS

- For Connector: Con_Flx_Org_Unit_Master

  The ADI is Org Unit Master

  EDD is: AATB_ORG_UNIT_MASTER

- For Connector: Con_Flx_Payment_Schedule

  The ADI is Payment Schedule

  EDD is: AATB_PAYMENT_SCHEDULE

- For Connector: Con_Flx_Account_Address

  The ADI is Account Address

  EDD is: AATB_ACCT_ADDRESS

- For Connector: Con_Flx_Account_Email_Address

  The ADI is Account Email Address

  EDD is: AATB_STG_ACCOUNT_EMAIL_ADDR

- For Connector: Con_Flx_Account_Phone

  The ADI is Account Phone

  EDD is: AATB_ACCT_PHONE

- For Connector: Con_Flx_Account_Status_Master

  The ADI is Account Status Master

  EDD is: AATB_ACCT_STATUS_MAST

For the above connectors, refer the file CORE for FCUBS Column name and the Target Logical Name.

11 Enterprise Limits and Collateral Management (ELCM) Module

Financial institutions face multiple challenges while assessing their exposure levels to customers, entities, or industry sectors. Moreover, the usage of multiple product processors to manage lines of businesses prevents financial institutions from gaining a consolidated view of their exposure.

Oracle FLEXCUBE ELCM integrates with the existing IT application landscape and offers you a single source for managing online, real-time exposure across the enterprise. Its process-centric architecture enables centralized collateral management, enterprise-wide limits definition, and tracking for effective exposure management as well as resource utilization.

11.1 List of ELCM Tables

- For Connector: Con_Flx_Account_Mitigant_Map

  The ADI is Account Mitigant Map

  EDD is: AATB_ACCT_MITIGANT_MAP

- For Connector: Con_Flx_Collateral_Master

  The ADI is Collateral Master

  EDD is: AATB_COLLATERAL_MAST

- For Connector: Con_Flx_Collaterals

  The ADI is Collaterals

  EDD is: AATB_STAGE_COLLATERAL

- For Connector: Con_Flx_Cr_Facility_Details

  The ADI is Credit Facility Details

  EDD is: AATB_CR_LINE_DETAILS

- For Connector: Con_Flx_Cr_Facility_Master

  The ADI is Credit Facility Master

  EDD is: AATB_CR_LINE_MAST

- For Connector: Con_Flx_Cr_Facility_Type_Mast

  The ADI is Credit Facility Type Master

  EDD is: AATB_CR_LINE_TYPE_MAST

- For Connector: Con_Flx_Mitigant_Issuer_Master

  The ADI is Mitigant Issuer Master

  EDD is: AATB_MIT_ISSUER_MAST

- For Connector: Con_Flx_Mitigant_Master

  The ADI is Mitigant Master

  EDD is: AATB_MITIGANT_MAST

- For Connector: Con_Flx_Mitigants

  The ADI is Mitigants

  EDD is: AATB_MITIGANTS

For the above connectors, refer the file ELCM for FCUBS Column name and the Target Logical Name.

12 Foreign Exchange (FX) module

Foreign exchange, or Forex, is the conversion of one country's currency into that of another. In a free economy, a country's currency is valued according to factors of supply and demand. In other words, a currency's value can be pegged to another country's currency, such as the U.S. dollar, or even to a basket of currencies. A country's currency value also may be fixed by the country's government. However, most countries float their currencies freely against those of other countries, which keep them in constant fluctuation.

12.1 List of FX Tables

- For Connector: Con_Flx_Forward_Exch_Rates

  The ADI is - Forward Exchange Rates

  ADI Subtype: Borrowings

  EDD is: AATB_FWD_EXCHG_RATES

- For Connector: - Con_Flx_Cust_Acct_FX

  The ADI is Customer Account

  ADI Subtype: - Foreign Exchange Contracts

  EDD is: AATB_FX_CONTRACTS

- For Connector: - Con_Flx_Cust_Acct_FX_Txn

  The ADI is Customer Account Transaction

  ADI Subtype: - Forex Account Transaction

  EDD is: AATB_FOREX_TXNS

For the above connectors, refer the file FX for FCUBS Column name and the Target Logical Name.

13 General Ledger (GL) Module

A general ledger is a complete record of financial transactions over the life of a company. The ledger holds account information that is needed to prepare financial statements, and includes accounts for assets, liabilities, owners' equity, revenues and expenses.

13.1 List of GL Tables

- For Connector: Con_Flx_Accounting_Entries

  The ADI is Accounting Entries

  EDD is: AATB_ACCOUNTING_ENTRIES

- For Connector: Con_Flx_General_Ledger_Data

  The ADI is General Ledger Data

  EDD is: AATB_GL_DATA

- For Connector: Con_Flx_General_Ledger_Master

  The ADI is General Ledger Master

  EDD is: AATB_GL_MASTER

- For Connector: Con_Flx_GL_Book_Master

  The ADI is: GL Book Master

  EDD is: AATB_GL_BOOK_MAST

- For Connector: - Con_Flx_Cust_Acct_Int_Bank_Txn

  The ADI is Customer Account Transaction

  ADI Subtype: Interbank Transactions

  EDD is: AATB_INTERBANK_TXNS

For the above connectors, refer the file GL for FCUBS Column name and the Target Logical Name.

14 Money Market (MM) Module

MM is a segment of the financial market in which financial instruments with high liquidity and very short maturities are traded. Money market securities consist of negotiable certificates of deposit, banker's acceptances, U.S. Treasury bills, commercial paper, municipal notes, federal funds, and repurchase agreements.

14.1 List of MM Tables

- For Connector: Con_Flx_Cust_Acct_Borr

  The ADI is Customer Account

  ADI Subtype: Borrowings

  EDD is: AATB_MM_BORROWINGS

- For Connector: Con_Flx_Cust_Acct_Borr_Txns

  The ADI is Customer Account Transaction

  ADI Subtype: Borrowings Transaction

  EDD is: AATB_BORROWINGS_TXNS

- For Connector: Con_Flx_Cust_Acct_MM

  The ADI is Customer Account

  ADI Subtype: Money Market Contracts

  EDD is: AATB_MM_CONTRACTS

- For Connector: Con_Flx_Cust_Acct_MM_Txns

  The ADI is Customer Account Transaction

  ADI Subtype: Money Market Transactions

  EDD is: AATB_MM_CONTRACTS_TXNS

- For Connector: Con_Flx_Dealer_Master

  The ADI is Dealer Master

  EDD is: AATB_DEALER_MAST

For the above connectors, refer the file MM for FCUBS Column name and the Target Logical Name.

15 Term Deposit (TD) Module

Term Deposit is a deposit held at a financial institution that has a fixed term. These are generally short-term with maturities ranging anywhere from a month to a few years. When a term deposit is purchased, the lender (the customer) understands that the money can only be withdrawn after the term has ended or by giving a predetermined number of days notice.

15.1 List of TD Tables

- For Connector: Con_Flx_Cust_Acct_TD

  The ADI is Customer Account

  ADI Subtype: Term Deposit

  EDD is: AATB_TD_CONTRACTS

- For Connector: Con_Flx_Cust_Acct_TD_Txn

  The ADI is Customer Account Transaction

  ADI Subtype: Term Deposits Transactions

  EDD is: AATB_TERMDEPOSITS_TXNS

For the above connector, refer the file TD for FCUBS Column name and the Target Logical Name.

16 Corporate Deposits (CD) Module

A Corporate deposit is an interest bearing deposit bank product offered to corporate banking customers by banks and accredited financial institutions. Corporate deposit attracts large commercial companies, public institutions, government agencies and large non profits. It contrasts to retail deposits, which are held by consumers and business deposits that are held by SMEs. Corporate banking clients may use this type of product as a cash management solution when managing the optimal mix of liquidity and returns of surplus funds as it may provide an investment stream.

16.1 List of CD Tables

- For Connector: Con_Flx_Cust_Acct_TD

  The ADI is Customer Account

  ADI Subtype: Term Deposit

  EDD is: AATB_TD_CONTRACTS

- For Connector: Con_Flx_Cust_Acct_TD_Txn

  The ADI is Customer Account Transaction

  ADI Subtype: Term Deposits Transactions

  EDD is: AATB_TERMDEPOSITS_TXNS

For the above connector, refer the file CD for FCUBS Column name and the Target Logical Name

17 Securities Repo and Reverse Repo (SR) Module

Repo or repurchase option is a means of short-term borrowing, wherein banks sell approved government securities to RBI and get funds in exchange.

A reverse repo transaction is when banks purchase government securities from RBI and lend money to the banking regulator, thus earning interest.

17.1 List of SR Tables

- For Connector Con_Flx_Repo_Contracts

  The ADI is: Customer Account

  ADI Subtype: Repo Contracts

  EDD is: AATB_REPO_CONTRACTS

- For Connector Con_Flx_Repo_Contracts_Txn

  The ADI is: Customer Account Transaction

  ADI Subtype: Repo Transactions

  EDD is: AATB_REPO_TRANSACTIONS

For the above connector, refer the file SR for FCUBS Column name and the Target Logical Name

18 Securities (SE) Module

A Security is a financial instrument that represents an ownership position in a publicly-traded corporation (stock), a creditor relationship with governmental body or a corporation (bond), or rights to ownership as represented by an option. A security is a fungible, negotiable, tradable financial asset that represents some type of financial value.

18.1 List of SE Tables

- For Connector Con_Flx_Instrmnt_Cont_Master

  The ADI is: Instrument Contract Master
  EDD is: AATB_INSTRMNT_CONT_MASTER

- For Connector Con_Flx_Mkt_Inst_Contract

  The ADI is: Market Instrument Contract
  ADI Subtype is : Market Instrument Contract
  EDD is: AATB_MKT_INST_CONTRACT

- For Connector Con_Flx_Instrument_Mkt_Prices

  The ADI is: Instrument Market Prices
  ADI Subtype is : Instrument Market Prices
  EDD is: AATB_INSTRUMENT_MKT_PRICES

- For Connector Con_Flx_Investments

  The ADI is: Customer Account
  ADI Subtype: Investments
  EDD is: AATB_INVESTMENT

- For Connector Con_Flx_Investment_Txns

  The ADI is : Customer Account Transaction
  ADI Subtype : Investment Transactions
  EDD is : AATB_INVESTMENT_TXNS

For the above connector, refer the file SE for FCUBS Column name and the Target Logical Name

19 Exchange Traded Derivatives (ETD) Module

An Exchange Traded Derivative is a financial instrument whose value is based on the value of another asset, and that trades on a regulated exchange. Exchange traded derivatives are in contrast to over-the-counter (OTC) derivatives, in the following advantages such as standardization, liquidity and elimination of default risk. Futures and Options are two of the most popular exchange traded derivatives. These derivatives can be used to hedge exposure or speculate on financial assets such as commodities, equities, currencies, and even interest rates and so on.

19.1 List of ETD Tables

- For Connector Con_Flx_Futures

  The ADI is: Customer Account

  ADI Subtype: Futures and Forwards

  EDD is: AATB_FUTURES

- For Connector Con_Flx_Futures_Txns

  The ADI is: Customer Account Transaction

  ADI Subtype: Futures and Forwards Transaction

  EDD is: AATB_FUTURES_TXNS

- For Connector Con_Flx_Instrmnt_Cont_Master

  The ADI is: Instrument Contract Master

  EDD is: AATB_INSTRMNT_CONT_MASTER

- For Connector Con_Flx_Mkt_Inst_Contract

  The ADI is: Market Instrument Contract

  ADI Subtype: Market Instrument Contract

  EDD is: AATB_MKT_INST_CONTRACT

- For Connector Con_Flx_Instrument_Mkt_Prices

  The ADI is: Instrument Market Prices

  ADI Subtype: Instrument Market Prices

  EDD is: AATB_INSTRUMENT_MKT_PRICES

For the above connector, refer the file ETD for FCUBS Column name and the Target Logical Name.

20 Letter of Credit (LC) Module

A letter of credit is a negotiable instrument from a bank guaranteeing that a buyer's payment to a seller will be received on time and for the correct amount. In the event that the buyer defaults, the bank will be required to cover the full or remaining amount of the purchase.

20.1 List of LC Tables

- For Connector Con_Flx_Lc_Contracts

  The ADI is: Customer Account

  ADI Subtype: Letter of Credit Contracts

  EDD is: AATB_LC_CONTRACTS

- For Connector Con_Flx_Lc_Txns

  The ADI is: Customer Account Transaction

  ADI Subtype: Letter Of Credit Transactions

  EDD is: AATB_LC_TXNS

- For Connector Con_Flx_Lc_Contract_Event

  The ADI is: Trade Finance Contract Event

  EDD is: AATB_LC_CONTRACT_EVENT

- For Connector Con_Flx_Lc_Party_Event

  The ADI is: Trade Finance Contract Event

  EDD is: AATB_LC_PARTY_EVENT

- For Connector Con_Flx_Lc_Account

  The ADI is: Trade Finance To Account

  EDD is: AATB_LC_ACCOUNT

- For Connector Con_Flx_Lc_Goods

  The ADI is : Trade Finance Good Or Service

  EDD: AATB_LC_GOOD

- For Connector: Con_Flx_Document

The ADI is Trade Finance Document

EDD id : AATB_LC_DOCUMENT

- For Connector Con_Flx_Guarantees

  The ADI is: Customer Account

  ADI Subtype: Guarantees

  EDD is: AATB_GUARANTEES

For the above connector, refer the file LC for FCUBS Column name and the Target Logical Name

21 Bills and Collections (BC) Module

A **Bill for Collection** is the handling of documents (financial and/or commercial) by **banks** in accordance with instructions received from the exporter in order to: Obtain payment or acceptance or. Deliver documents against payment and/or acceptance.

21.1 List of BC Tables

- For Connector Con_Flx_Bc_Contracts

  The ADI is: Customer Account

  ADI Subtype: Bills Contract

  EDD is: AATB_BC_CONTRACTS

- For Connector Con_Flx_Bc_Contracts_Txns

  The ADI is: Customer Account Transactions

  ADI Subtype: Bills Contract Transaction

  EDD is: AATB_BC_CONTRACTS_TXNS

- For Connector Con_Flx_Collections

  The ADI is: Customer Account Transactions

  ADI Subtype: Bills Contract Transaction

  EDD is: AATB_COLLECTIONS

For the above connector, refer the file BC for FCUBS Column name and the Target Logical Name.

22 Derivatives (DV) Module

A Derivative is a contract between two or more parties based upon the asset or assets. Its value is determined by fluctuations in the underlying asset. The most common underlying assets include stocks, bonds, commodities, currencies, interest rates and market indexes. Derivatives either be traded over-the-counter (OTC) or on an exchange. Derivatives broadly constitute futures and forwards, Options and Swaps

22.1 List of DV Tables

- For Connector Con_Flx_Swap_Account_Txns

  The ADI is: Customer Account Transaction

  ADI Subtype: Swap Account Transactions

  EDD is: AATB_SWAP_ACCOUNT_TXNS

- For Connector Con_Flx_Swaps_Contracts

  The ADI is: Customer Account

  ADI Subtype: Swaps Contracts

  EDD is: AATB_SWAPS_CONTRACTS

- For Connector Con_Flx_Option_Contracts

  The ADI is: Customer Account

  ADI Subtype: Option Contracts

  EDD is: AATB_OPTIONS

- For Connector Con_Flx_Option_Cont_Txns

  The ADI is: Customer Account Transaction

  ADI Subtype: Option Contracts Transactions

  EDD is: AATB_OPTION_CONT_TXNS

For the above connector, refer the file DV for FCUBS Column name and the Target Logical Name.

23 Over the Counter Option (OT) Module

An option that is traded off-exchange, as opposed to a listed stock option is called an OTC Option. The OTC option has a direct link between buyer and seller, has no intervention of exchange and has no standardization of striking prices and expiration dates.

23.1 List of OT Tables

- For Connector Con_Flx_Option_Contracts

  The ADI is: Customer Account

  ADI Subtype: Option Contracts

  EDD is: AATB_OPTIONS

- For Connector Con_Flx_Option_Cont_Txns

  The ADI is: Customer Account Transaction

  ADI Subtype: Option Contracts Transactions

  EDD is: AATB_OPTION_CONT_TXNS

For the above connector, refer the file OT for FCUBS Column name and the Target Logical Name.

24 Syndication Loans and Commitments (LS) Module

A Syndication Loan is one that is dominantly provided by a group of lenders and is structured, arranged, and administered by one or several commercial banks or investment banks known as lead arrangers.

24.1 List of LS Tables

- For Connector Con_Flx_Loan_WriteOff

  The ADI is: Account Write Off Details

  ADI Subtype: Account Write Off Details

  EDD is: AATB_LOAN_WRITEOFF

- For Connector Con_Flx_Loan_Recovery

  The ADI is: Account Recovery Details

  ADI Subtype: Account Recovery Details

  EDD is: AATB_LOAN_RECOVERY

- For Connector Con_Flx_Cust_Acct_Loan

  The ADI is Customer Account

  ADI Subtype: Loan Contracts

  EDD is: AATB_LOAN_CONTRACTS

- For Connector Con_Flx_Cust_Acct_Loan_Txn

  The ADI is Customer Account Transaction

  ADI Subtype: Loan Contracts Transactions

  EDD is: AATB_LOAN_CONTRACT_TXNS

For the above connector, refer the file LS for FCUBS Column name and the Target Logical Name.

25 Leasing (LE) Module

A Lease is a contractual arrangement calling for the lessee (user) to pay the lessor (owner) for use of an asset. Property, buildings and vehicles are common assets that are leased. Industrial or business equipment is also leased. The lessor is the legal owner of the asset; the lessee obtains the right to use the asset in return for regular rental payments.

25.1 List of LE Tables

- For Connector Con_Flx_LE_Leases_Contracts

  The ADI is: Customer Account

  ADI Subtype: Leases Contract

  EDD is: AATB_LE_LEASES_CONTRACTS

For the above connector, refer the file LE for FCUBS Column name and the Target Logical Name.

26 Collections (CN) Module

Collection is a function of Accounts receivables. It is the recovery of cash from a business or individual with which an Invoice has been issued. Unpaid invoices are considered outstanding. Invoices are always issued with terms of payment.

26.1 List of CN Tables

- For Connector Con_Flx_Collections

  The ADI is: Collections

  ADI Subtype: Collections

  EDD is: AATB_COLLECTIONS

For the above connector, refer the file CN for FCUBS Column name and the Target Logical Name.

27 Retail Lending (RL) Module

Retail lending is the practice of loaning money to individuals rather than institutions. Retail lending is done by banks, credit unions, and savings and loan associations. These institutions make loans for automobile purchases, home purchases, medical care, home repair, vacations, and other consumer uses.

27.1 List of RL Tables

- For Connector Con_Flx_Loan_WriteOff

  The ADI is: Account Write Off Details

  ADI Subtype: Account Write Off Details

  EDD is: AATB_LOAN_WRITEOFF

- For Connector Con_Flx_Loan_Recovery

  The ADI is: Account Recovery Details

  ADI Subtype: Account Recovery Details

  EDD is: AATB_LOAN_RECOVERY

- For Connector Con_Flx_Cust_Acct_Loan

  The ADI is: Customer Account

  ADI Subtype: Loan Contracts

  EDD is: AATB_LOAN_CONTRACTS

- For Connector Con_Flx_Cust_Acct_Loan_Txn

  The ADI is: Customer Account Transaction

  ADI Subtype: Loan Contracts Transactions

  EDD is: AATB_LOAN_CONTRACT_TXNS

For the above connector, refer the file RL for FCUBS Column name and the Target Logical Name.

Oracle Financial Services Data Integration Hub Foundation Pack Extension for Oracle Flexcube Universal Banking Interface

User Manual

Release 8.0.4.0.0

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