

Function ID Development I
Oracle FLEXCUBE Investor Servicing
Release 14.1.0.0.0
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1. Preface

This document describes the steps to create FLEXCUBE IS Function ID using extensible Rapid Application Development (Open Development) tool.

1.1 Audience

The Open Development Function ID Development book is intended for the FLEXCUBE Application Developers who perform the following tasks with Extensible Open Development:

- Develop the new screen (also called as function ID)
- To modify the existing screen
- Bug Fixing the existing screen

To Use this manual, you need conceptual and working knowledge of the below:

Proficiency	Resources
FLEXCUBE IS Development overview	Development Overview Guide
Open Development function ID development getting started	Getting Started
Open Development Reference	Reference
Open Development installation and setup guide	Installation and Setup

1.2 Related documents

For more information on Function ID Development, see these resources:

- Overview Guide
- Getting Started
- Reference
- Installation and Setup

1.3 Conventions

The following text conventions are used in this document:

Convention Meaning:

boldface	Boldface type indicates graphical user interface elements (for example, menus and menu items, buttons, tabs, dialog controls), including options that you select.
-----------------	---

<i>italic</i>	italic type indicates book titles, emphasis, or placeholder variables for which you supply particular values.
monospace	Monospace type indicates language and syntax elements, directory and File name, URLs, text that appears on the screen, or text that you enter.
	Indicates important information

1.4 **Pre-request**

- Open Development environment with designated project and release details



Refer FCIS-FD05-02-02-Open Development-Installation and Setup for installation and setup of project/release details

- Target FLEXCUBE IS environment

2. Introduction

2.1 How to use this Guide

The information in this guide includes:

- [Chapter 2, “Introduction”](#)
This is introduction section.
- [Chapter 3, “Manual Static data population”](#)
This section describes the prerequisites before creating a Function Id.
- [Chapter 4, “Header Information”](#)
This section describes the Header Credentials in detail.
- [Chapter 5, “Preferences”](#)
This section describes basic functionalities and information about the screen.
- [Chapter 6, “Datasources”](#)
This section describes the steps required to get started with Function Creation.
- [Chapter 7, “List of Values”](#)
This section describes steps to add List Of Values definitions.
- [Chapter 8, “Datablocks”](#)
This section describes the actions to be performed after adding Datasources.
- [Chapter 9, “Screen Layout Design”](#)
This section describes the steps required to design the Screen Layout.
- [Chapter 10, “Fieldsets”](#)
This section describes the steps required to map the Fields to specific locations in the Screen.
- [Chapter 11, “Actions”](#)
This section describes the amendable and web service information.
- [Chapter 12, “Summary”](#)
This section describes the steps to design the Summary Screen.
- [Chapter 13, “Open Development Tool Files Generation”](#)
This section describes steps to generate and deploy Open Development Tool Files.
- [Chapter 14, “Testing”](#)
This section describes steps to Test the created Screen in FLEXCUBE.

3. Manual Static data population

This section explains the data base tables that need to be manually populated to start the Open Development screen development.

3.1 CSTB DATA DICTIONARY maintenance

Add rows in CSTB_DATA_DICTIONARY for Table/View and columns.

Column Name	Data Type	Data Length	Constraints
TABLE_NAME	VARCHAR2	50	PRIMARY
COLUMN_NAME	VARCHAR2	50	PRIMARY
LABEL_CODE	VARCHAR2	255	
FIELD_NAME	VARCHAR2	255	

3.2 CSTB LABELS maintenance

Add rows in CSTB_LABELS for all label code required.

Column Name	Data Type	Data Length	Constraints
LABEL_CODE	VARCHAR2	255	PRIMARY
LANGUAGE_CODE	VARCHAR2	3	
LABEL_TYPE	VARCHAR2	20	
LABEL_DESCRIPTION	VARCHAR2	4000	

3.3 STTB PK COLS maintenance

Add rows in STTB_PK_COLS for tables that are part of data sources.

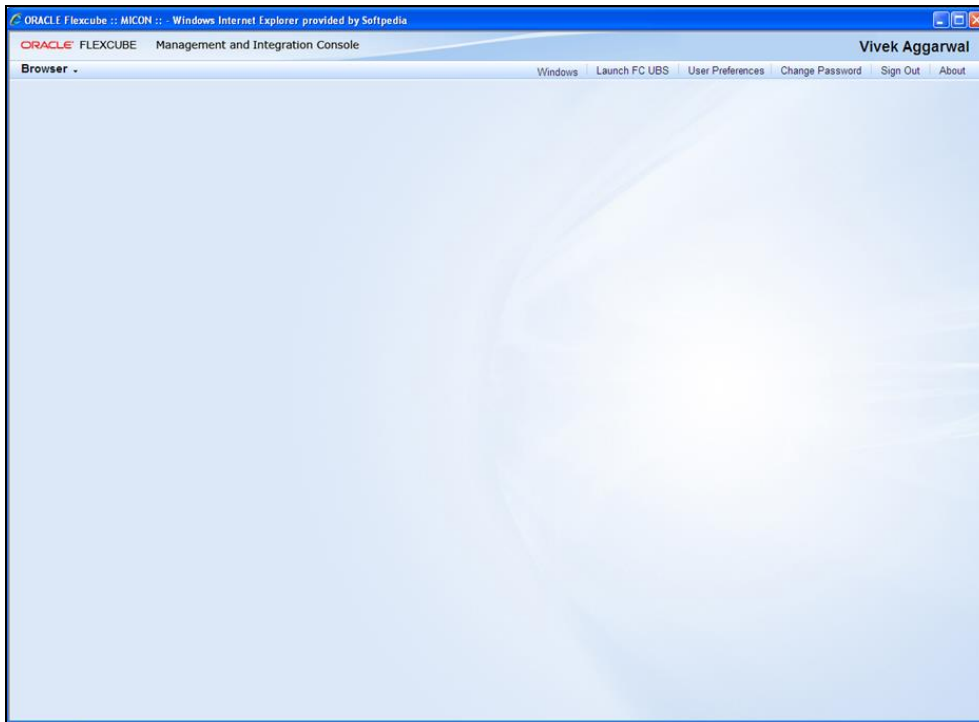
Column Name	Data Type	Data Length	Constraints
TABLE_NAME	VARCHAR2	30	PRIMARY
COLUMN_LIST	VARCHAR2	300	
DATA_TYPE_LIST	VARCHAR2	300	
DATA_LENGTH_LIST	VARCHAR2	100	

3.4 **Table needs to be created in the database schema.**

Database schema that is linked with the flexcube should contain the table or view structure. This will act as the data source to the screen.

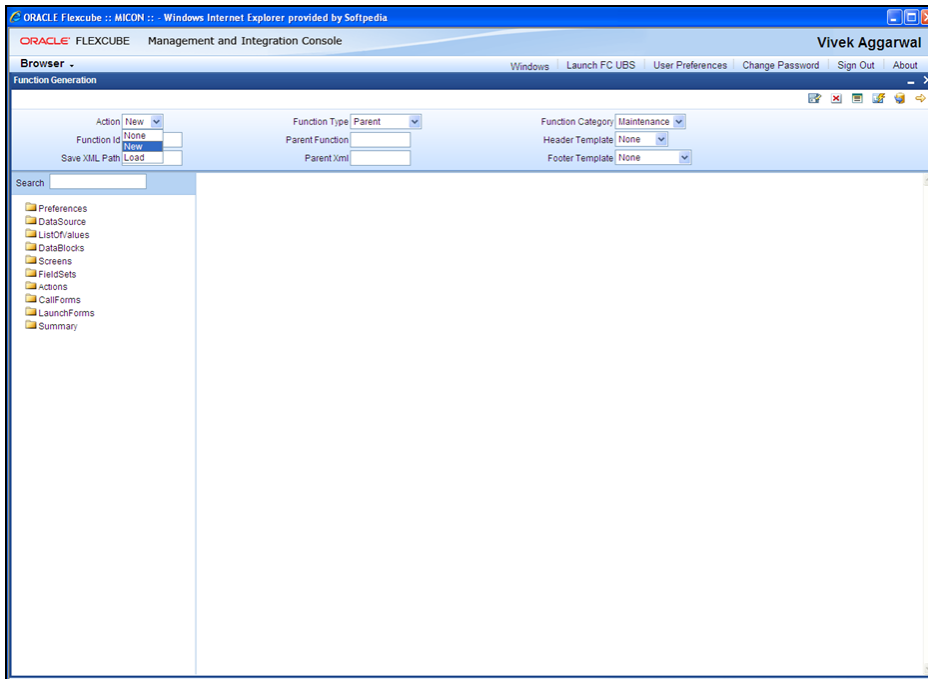
4. Header Information –Basic Information about the Screen

Log into the Open Development Tool and click on Browser Tab. Then click on the Function Generation tab that appears on the left hand side.



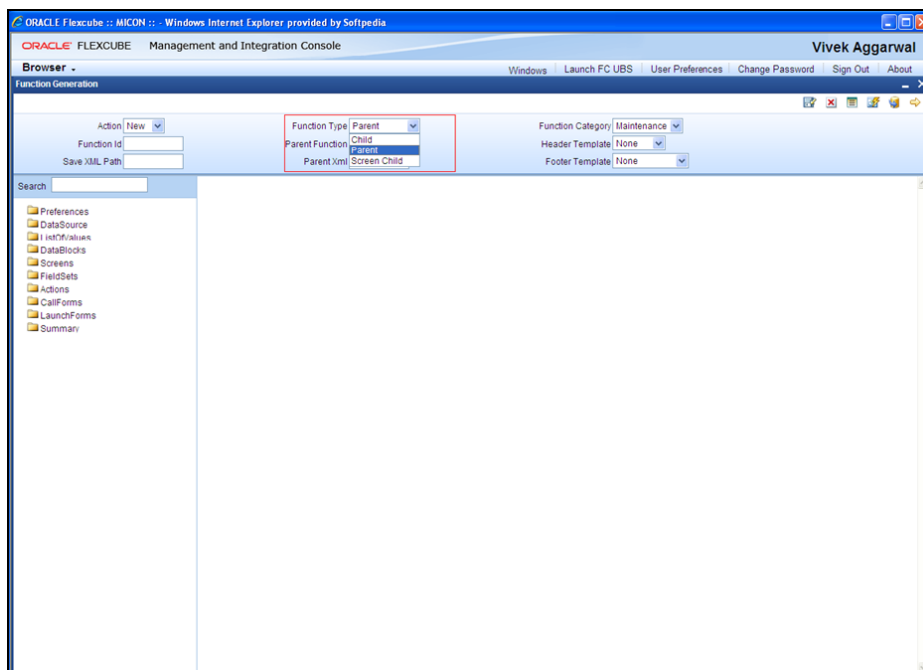
4.1 Action

A header appears where the “New” option is chosen from the Action options. The Function-id is to be entered in the space just below.



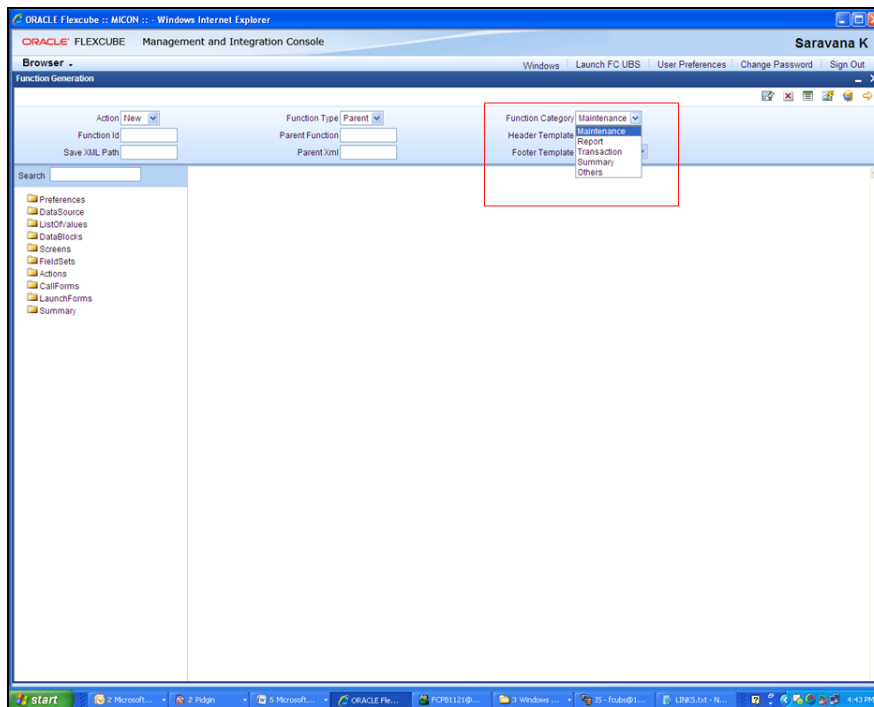
4.2 Function Type

Select Function Type -Parent



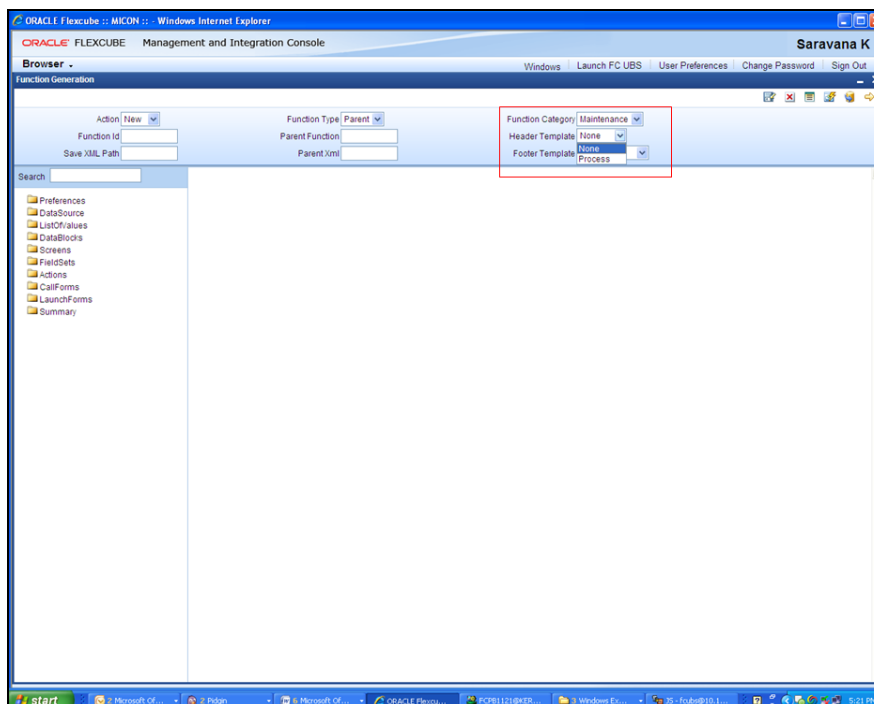
4.3 Function Category

Select Maintenance



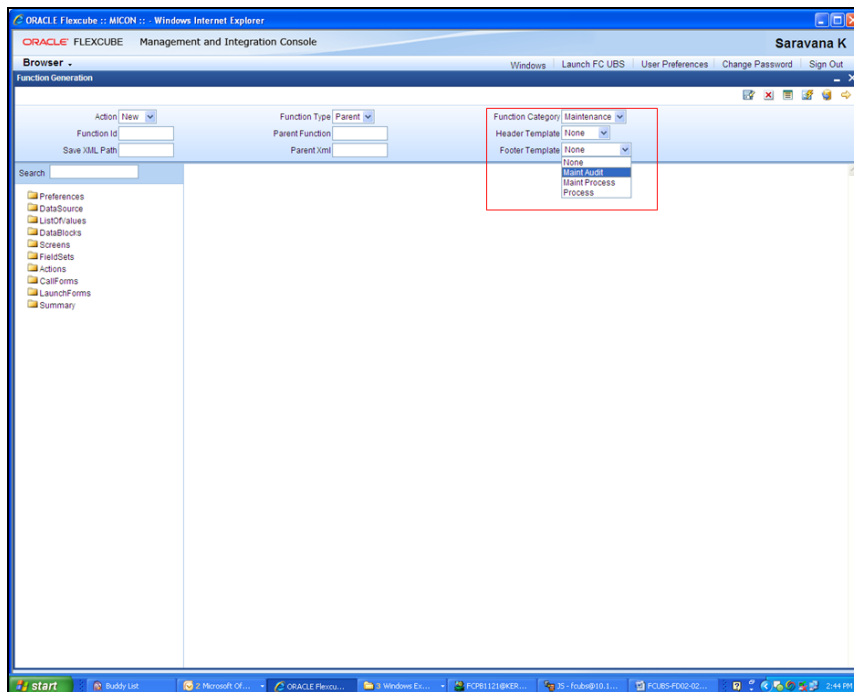
4.4 Header Template

Select None



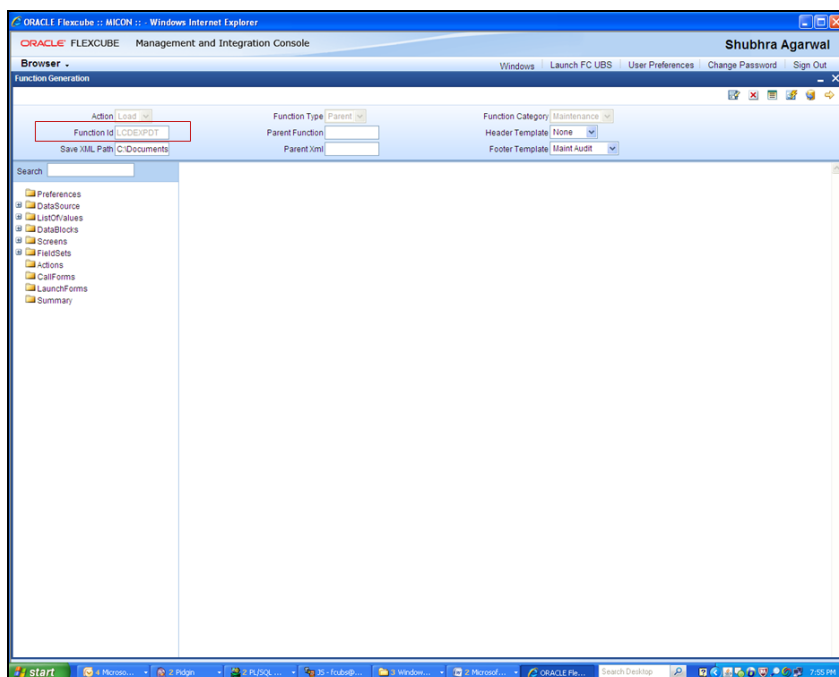
4.5 Footer Template

Select Maint Audit



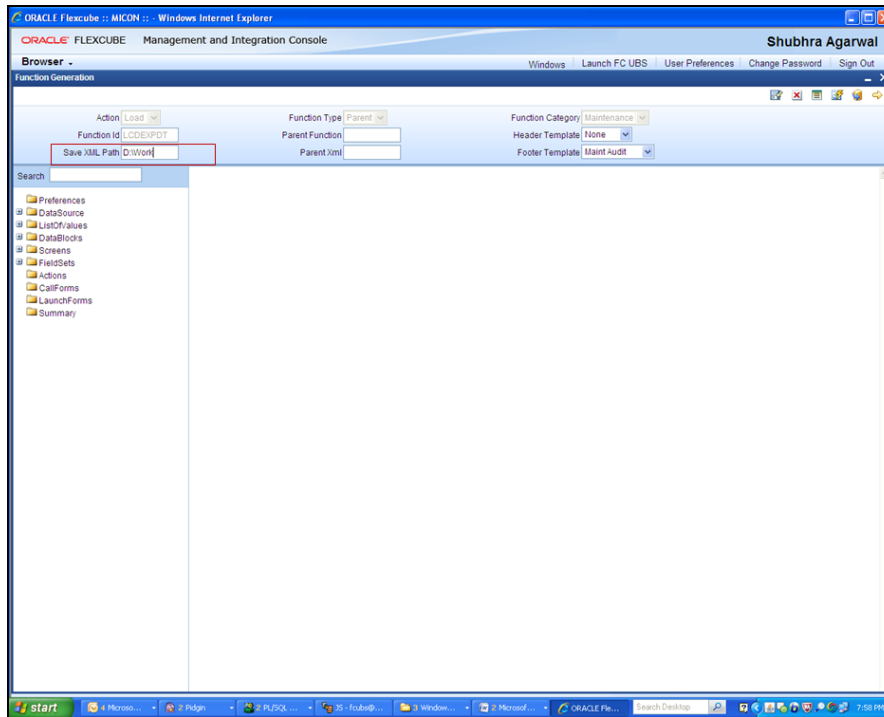
4.6 Function id

Function id name has to be maintained in the header information follow the naming convention from the references.



4.7 Save Xml Path

It includes the information about the place where the Open Development generated files will be stored.



5. Preferences

5.1 Module Name

Module name should be specified.

The screenshot shows the Oracle Flexcube Management and Integration Console. The 'Preferences' tab is active for the function 'LCDEXPDT'. The 'Module' field is set to 'LC' and is highlighted with a red box. The 'Module Description' is 'Letters Of Credit'. The 'FunctionID' table lists 'LCDEXPDT' and 'LCSEXPDT' both associated with the 'LC' module.

FunctionID	Module *	Module Desc
LCDEXPDT	LC	Letters Of Credit
LCSEXPDT	LC	Letters Of Credit

5.2 Include Functionalities

Check the functionalities as required in the screen.

The screenshot shows the Oracle Flexcube Management and Integration Console. The 'Preferences' tab is active for the function 'LCDEXPDT'. The 'Module' field is set to 'LC'. The 'Include Functionalities' section is highlighted with a red box, showing checkboxes for 'Head Office Function', 'Auto End Of Day Aware', 'Logging Required', 'Auto Authorization', 'Tank Modifications', 'Field Log Required', and 'Multi Branch Access'. The 'FunctionID' table lists 'LCDEXPDT' and 'LCSEXPDT' both associated with the 'LC' module.

FunctionID	Module *	Module Desc
LCDEXPDT	LC	Letters Of Credit
LCSEXPDT	LC	Letters Of Credit

5.3 Module Name and Module Description

Add the details for the function id along with the module name and module description.

Oracle Flexcube Management and Integration Console - Vivek Aggarwal

Function Generation

Action: Load | Function Type: Parent | Function Category: Maintenance

Function ID: LCDEXPDT | Parent Function: | Header Template: None

Save XML Path: D:\RADTOOLS\ | Parent.xml: | Footer Template: None

Search: | Preferences

Head Office Function: ☐ | Auto End Of Day Aware: ☐ | Logging Required: ☐ | Auto Authorization: ☐ | Tank Modifications: ☐ | Field Log Required: ☐ | Multi Branch Access: ☐

Module: LC | Module Description: Letters Of Credit | Branch Program ID: | Process Code: | ClearCase Folder: | Tin Block Name: Choose Block | Tin Field Name: Choose Field

FunctionID	Module	Module Desc
LCDEXPDT	LC	Letters Of Credit
LCSEXPDT	LC	Letters Of Credit

5.4 Transaction Block and Transaction Field

This is applicable for transaction screens for which multi-branch access is required.

Transaction block name choose the block name from the dropdown list.

Transaction field name choose the field name from the dropdown list.

Oracle Flexcube Management and Integration Console - Vivek Aggarwal

Function Generation

Action: New | Function Type: Parent | Function Category: Maintenance

Function ID: LCDEXPDT | Parent Function: | Header Template: None

Save XML Path: | Parent.xml: | Footer Template: None

Search: | Preferences

Head Office Function: ☐ | Auto End Of Day Aware: ☐ | Logging Required: ☐ | Auto Authorization: ☐ | Tank Modifications: ☐ | Field Log Required: ☐ | Multi Branch Access: ☐

Module: LC | Module Description: Letters Of Credit | Branch Program ID: | Process Code: | ClearCase Folder: | Tin Block Name: Choose Block | Tin Field Name: Choose Field

FunctionID	Module	Module Desc
LCDEXPDT	LC	Letters Of Credit
LCSEXPDT	LC	Letters Of Credit

5.5 Summary Screen.

Add the corresponding summary screen.

The screenshot displays the Oracle Flexcube Management and Integration Console interface. The top navigation bar includes the Oracle logo, the text "FLEXCUBE Management and Integration Console", and the user name "Shubhra Agarwal". Below the navigation bar, there are tabs for "Windows", "Launch FC UBS", "User Preferences", "Change Password", and "Sign Out".

The main content area is titled "Function Generation" and contains several input fields and a "Preferences" section. The input fields include:

- Action: Load
- Function Id: LCDEXPDT
- Save XML Path: C:\Documents
- Function Type: Parent
- Parent Function:
- Parent Xml:
- Function Category: Maintenance
- Header Template: None
- Footer Template: Maint Audit

The "Preferences" section includes a list of checkboxes for various settings:

- ☐ Head Office Function
- ☐ Auto End Of Day Aware
- ☐ Logging Required
- ☒ Auto Authorization
- ☐ Tank Modifications
- ☐ Field Log Required

Below the checkboxes, there are fields for:

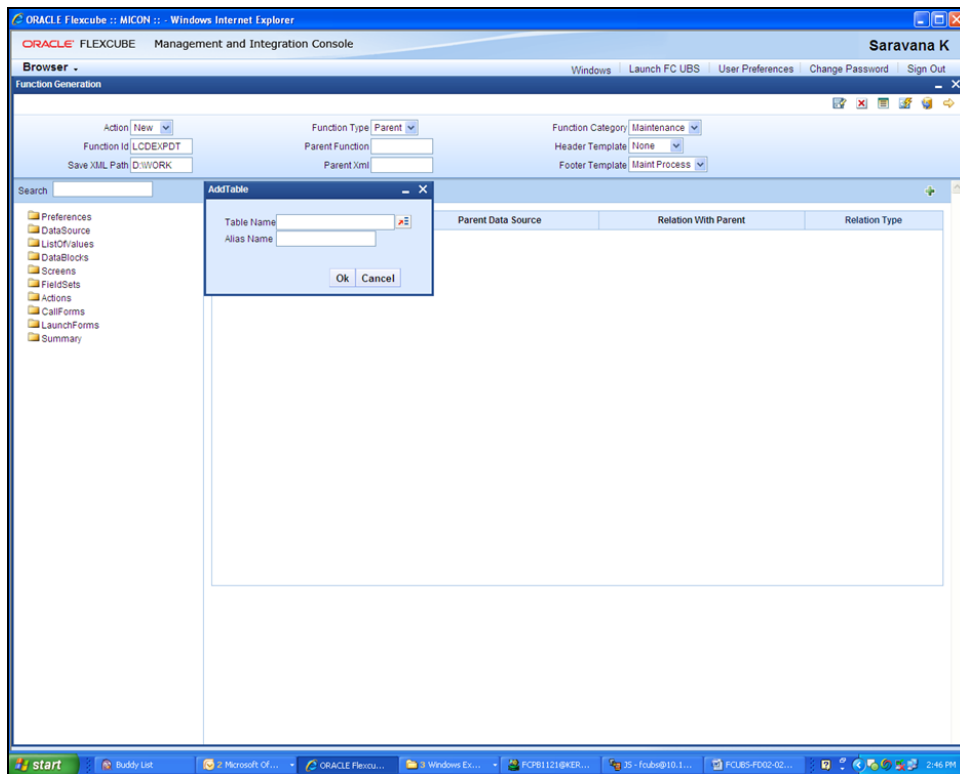
- Module: LC
- Module Description: Letters Of Credit
- Branch Program Id: 100
- Process Code:
- Clear/Case Folder:

At the bottom of the "Preferences" section, there is a table with the following columns: FunctionID, Module, and Module Desc. The table contains two rows:

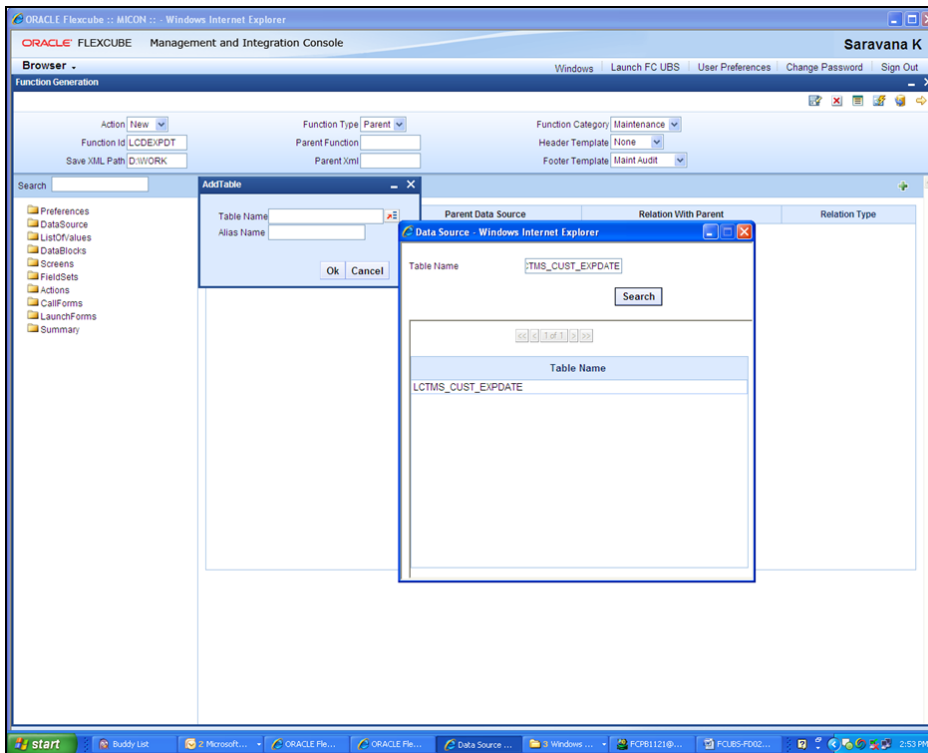
FunctionID	Module	Module Desc
LCDEXPDT	LC	Letters Of Credit
LCSEXPDT	LC	Letters Of Credit

6. Data Sources

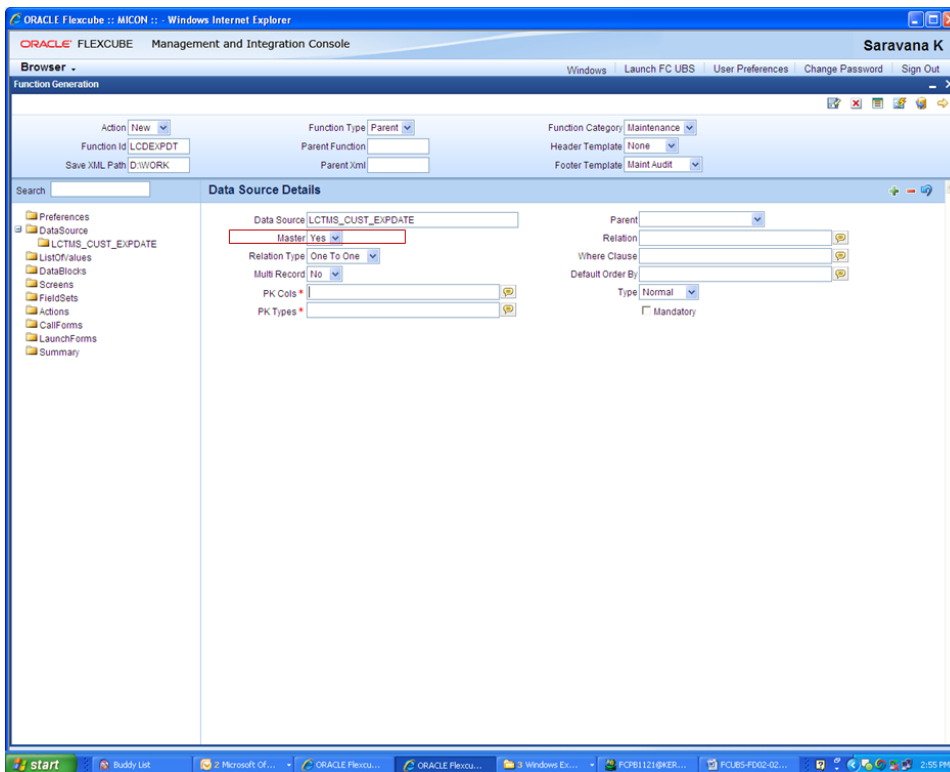
- On right clicking on the DataSource Tab on the left hand side of the Open Development Tool screen, an “Add” button is visible. On selecting the “Add” Button, the below screen will be visible.
- The Alias name is to be given here only if it is necessary to refer to the same datasource twice (For Example- as both One to One and as One to Many).



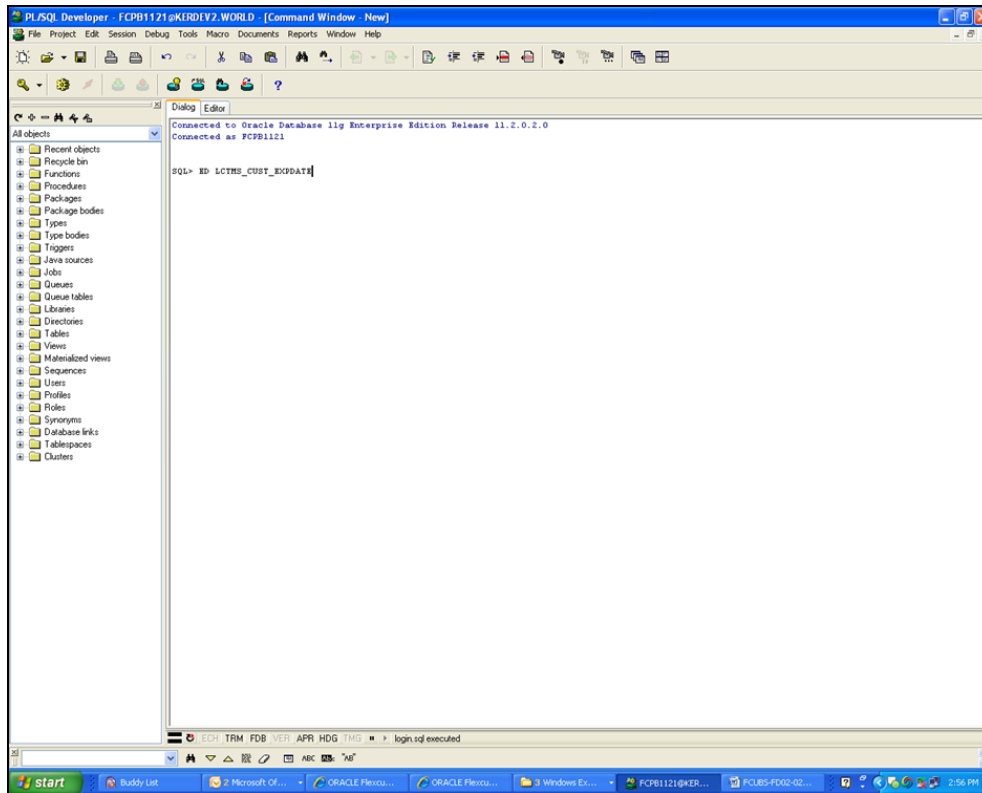
- Select data source LCTMS_CUST_EXPDATE



- For the Master Data Source, the Master Tab should be made “Yes”. The Parent and Relation details will be left empty for the master datasource.



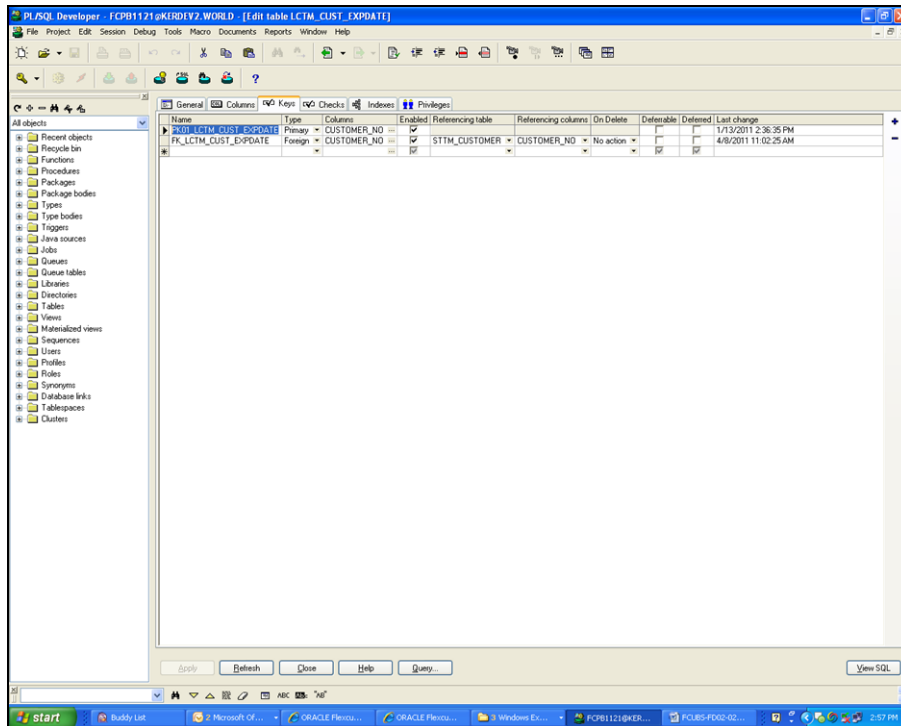
- The PK Cols and the PK Types Details are to be obtained using PL/sql developer. The command window is opened and the command “ED Table_Name” is entered.



On pressing enter, the details of the tables are seen. The details listed in the Keys Tab under the column labeled as “Columns” are typed in the Open Development Tool where the PK Cols details are needed. The entries are given separated by ~ symbol.

For our example, the PK Cols Details are written as:

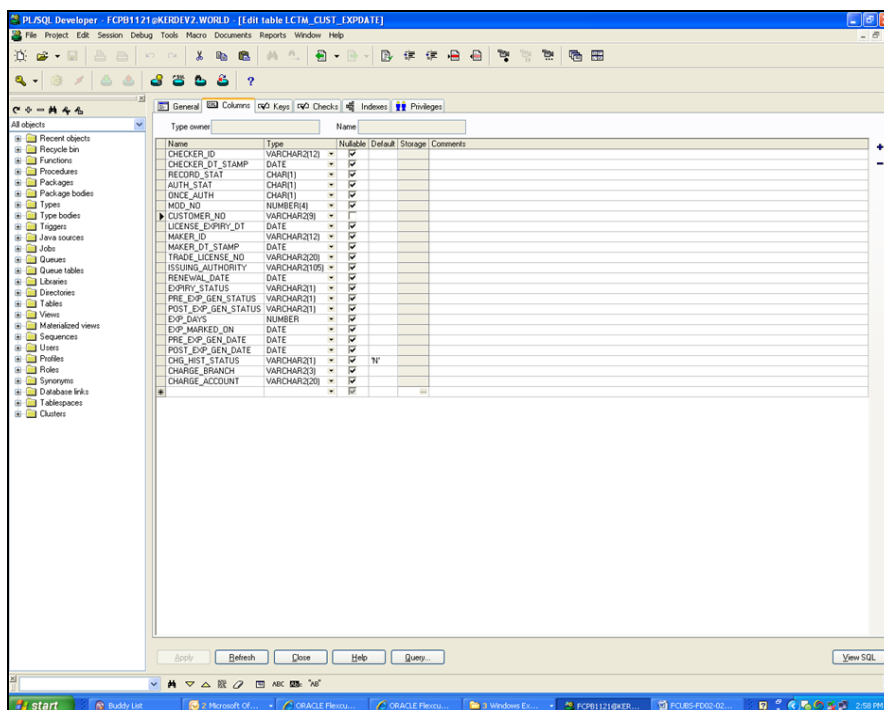
CUSTOMER_NO



Now click on the Columns Tab. The Types column is looked up for the entries corresponding to the PK Cols details filled.

In our example, the Type corresponding to CUSTOMER_NO is VARCHAR2. Thus the entry into the PK Types details for this table is:

VARCHAR2



- For master Datasources the relation type should be maintained as “One to One” ,Multirecord should be “NO” and the Relation clause need not to be maintained.

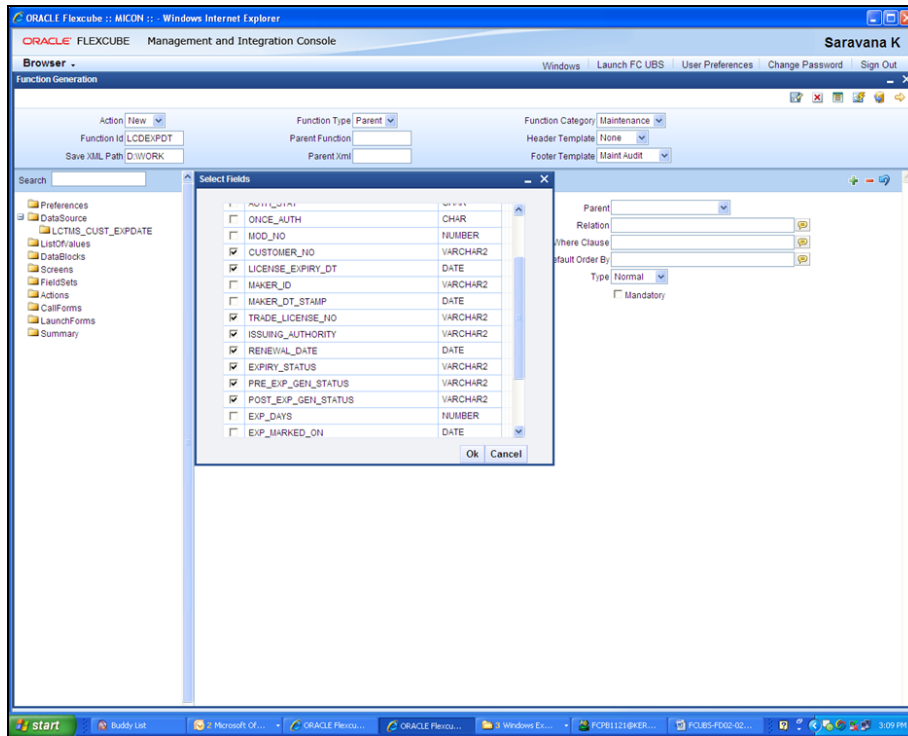
The screenshot displays the Oracle Flexcube Management and Integration Console. The top navigation bar includes links for Windows, Launch FC UBS, User Preferences, Change Password, and Sign Out. The main content area is titled 'Data Source Details' and shows the configuration for the data source 'LCTMS_CUST_EXPDATE'. The 'Master' checkbox is checked. The 'Relation Type' is set to 'One To One' and 'Multi Record' is set to 'No'. The 'PK Cols' field contains 'CUSTOMER_NO' and the 'PK Types' field contains 'VARCHAR2'. The 'Parent' field is empty, and the 'Relation' field is also empty. The 'Where Clause' and 'Default Order By' fields are empty. The 'Type' is set to 'Normal' and the 'Mandatory' checkbox is unchecked. The left sidebar shows a tree view with the following structure: Preferences, DataSource, LCTMS_CUST_EXPDATE, ListOfValues, DataBlocks, Screens, FieldSets, Actions, CallForms, LaunchForms, and Summary.

Other Master data sources are to be added in the same way.



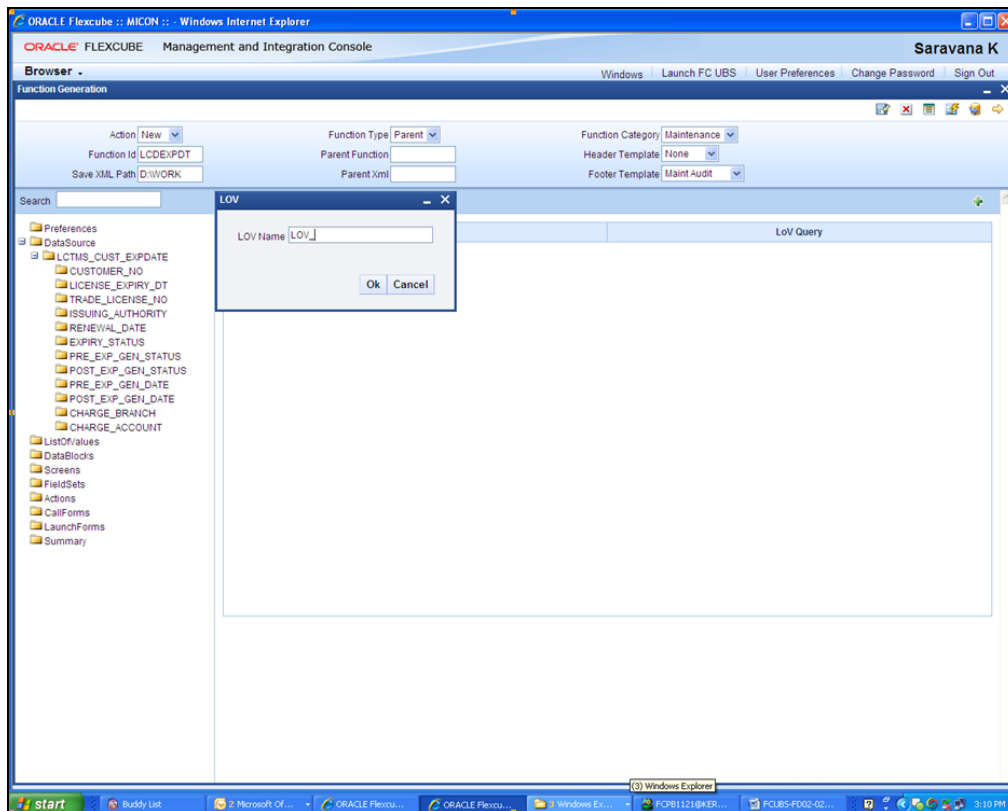
In case of Detail Data sources, the Relation Type is to be changed to “One to Many” and the Multirecord option is made “Yes ” and the Relation clause should be given.

- By right clicking on the Table name (Datasource) in Open Development Tool, and clicking “Add”, required columns are added by clicking the check boxes.

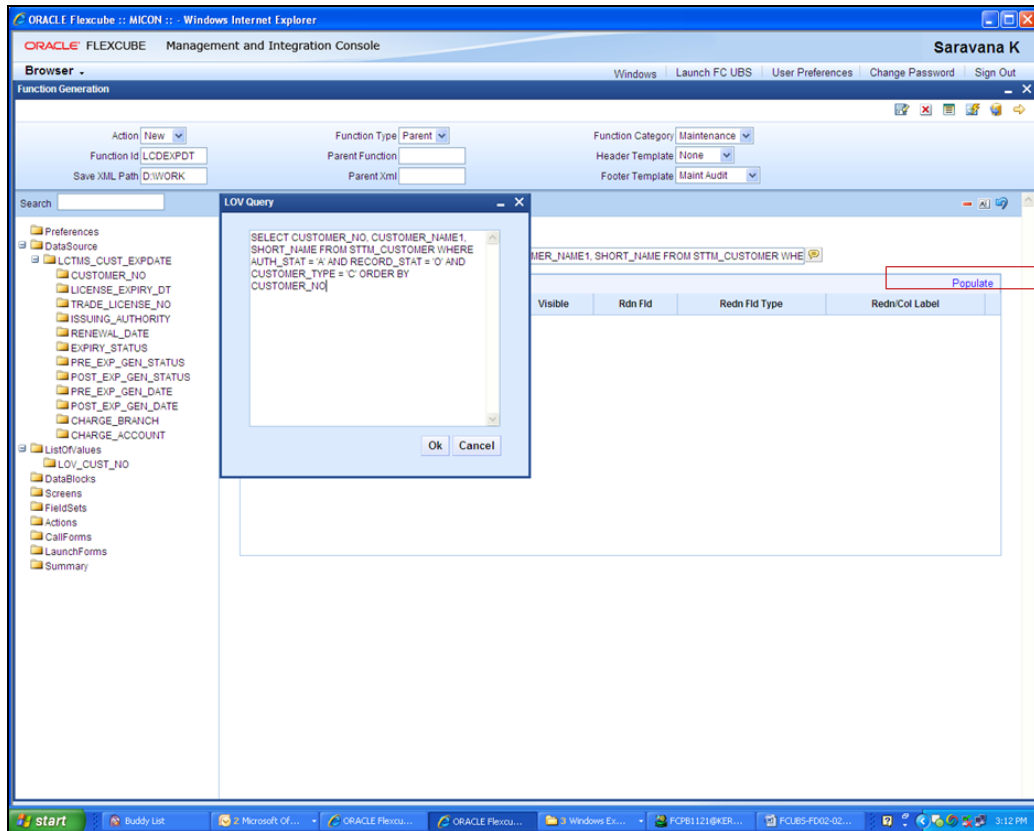


7. List of Values

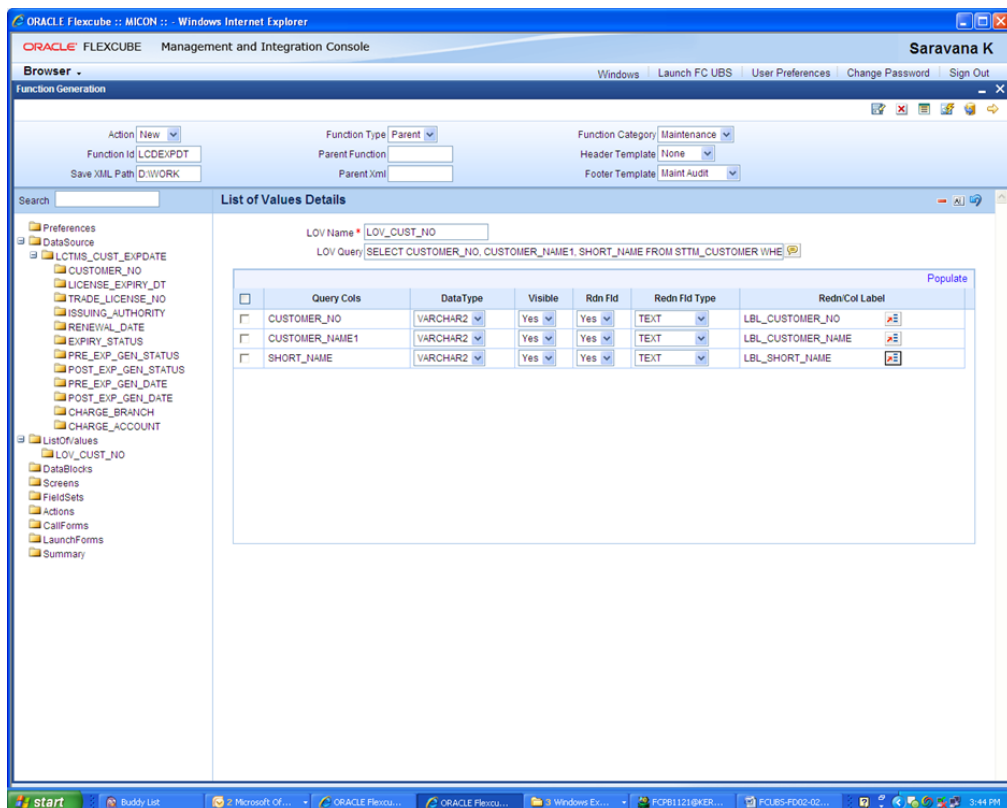
- New LOVs are defined in Open Development Tool by right clicking and pressing “Add”. The below screen appears and the LOV name should be given here.



- The LOV Query is entered into the sISequent screen. Then click on “Populate”. Entries become visible and the details such as datatype and Labels are checked.



- LOV LOV_CUST_NO is added



- Similarly LOV_CHARGE_ACC is added.

Oracle Flexcube Management and Integration Console

Function Generation

Action: New

Function Type: Parent

Function Category: Maintenance

Function Id: LCDEXPDT

Parent Function:

Header Template: None

Footer Template: Maint Audit

Save XML Path: D:\WORK

Parent XML:

Search:

List of Values Details

LOV Name: LOV_CHARGE_ACC

LOV Query:

```
SELECT CUST_AC_NO, BRANCH_CODE FROM
STTMS_CUST_ACCOUNT WHERE CUST_NO = ?
AND ONCE_AUTH = 'Y' AND RECORD_STAT = '0'
AND branch_code = GLOBAL_CURRENT_BRANCH
ORDER BY CUST_AC_NO, BRANCH_CODE
```

Query Cols, DataType, Visible, Rdn Fid, Redn Fid Type, Redn Col Label

LOV Query

Ok, Cancel

- Bind Variable for CUST_NO will be added later.

Oracle Flexcube Management and Integration Console

Function Generation

Action: New

Function Type: Parent

Function Category: Maintenance

Function Id: LCDEXPDT

Parent Function:

Header Template: None

Footer Template: Maint Audit

Save XML Path: D:\WORK

Parent XML:

Search:

List of Values Details

LOV Name: LOV_CHARGE_ACC

LOV Query: SELECT CUST_AC_NO, BRANCH_CODE FROM STTMS_CUST_ACCOUNT WHERE CUST_NO = ?

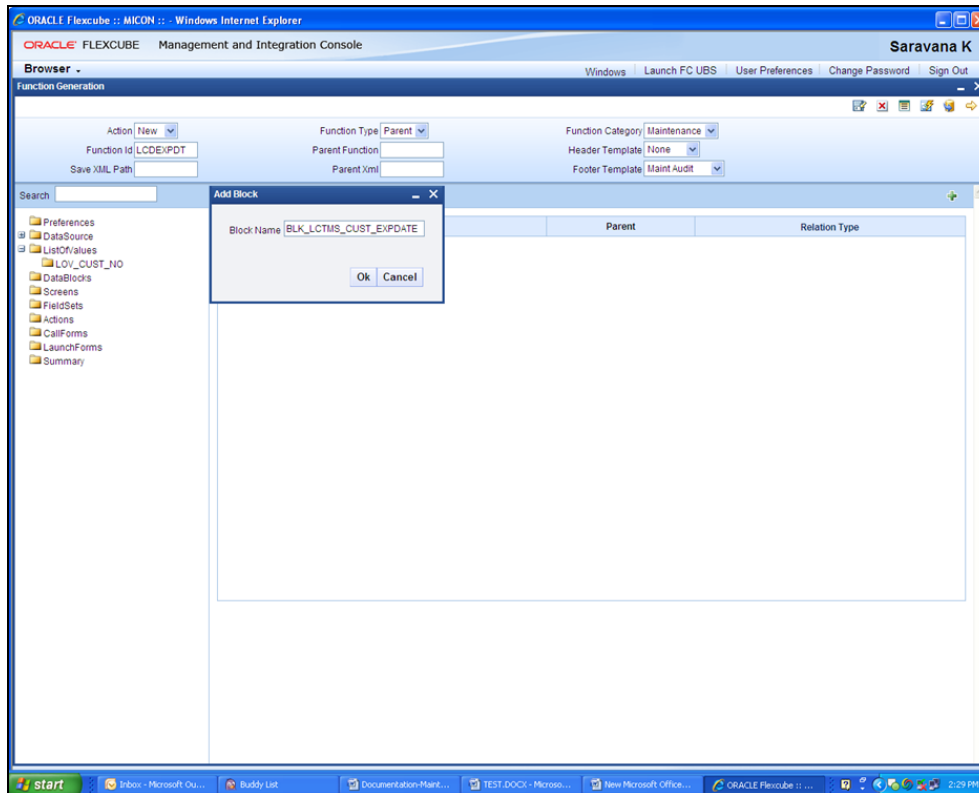
Query Cols	DataType	Visible	Rdn Fid	Redn Fid Type	Redn Col Label
☒ CUST_AC_NO	VARCHAR2	Yes	Yes	TEXT	
☒ BRANCH_CODE	VARCHAR2	Yes	Yes	TEXT	LBL_BRNCD

8. Data Blocks

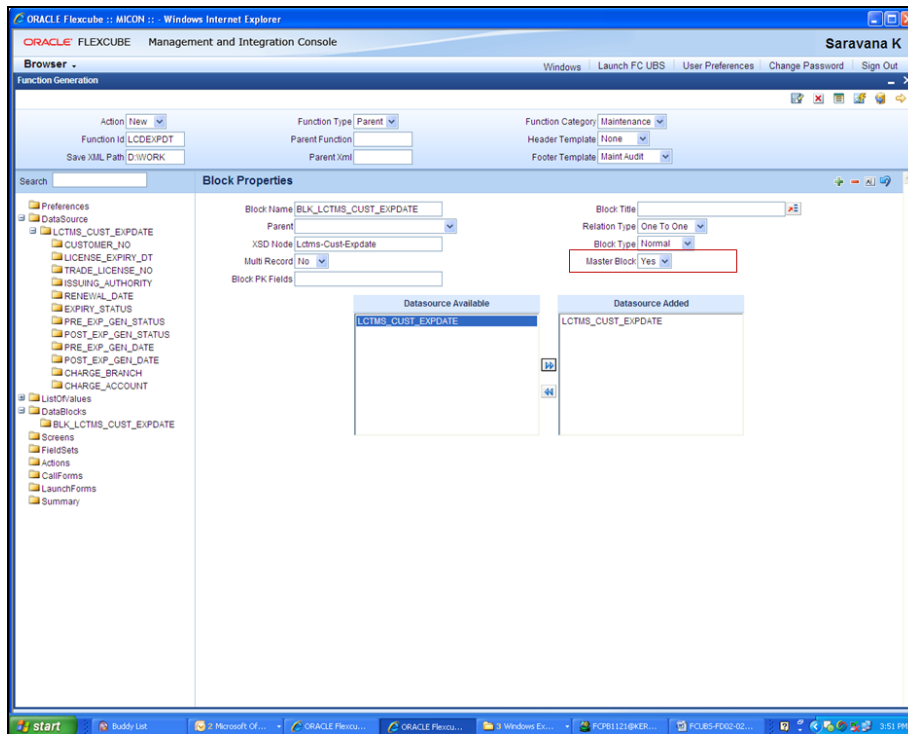
Datablocks are added by right clicking on the tab present on the left hand side of the screen.

8.1 Attaching Block Fields

- Datablock BLK_LCTMS_CUST_EXPDATE is added



- The MasterBlock option is to be made “Yes” and all the One to One Datasources are added here by selecting each and taking them to the right side using the arrows present on the screen

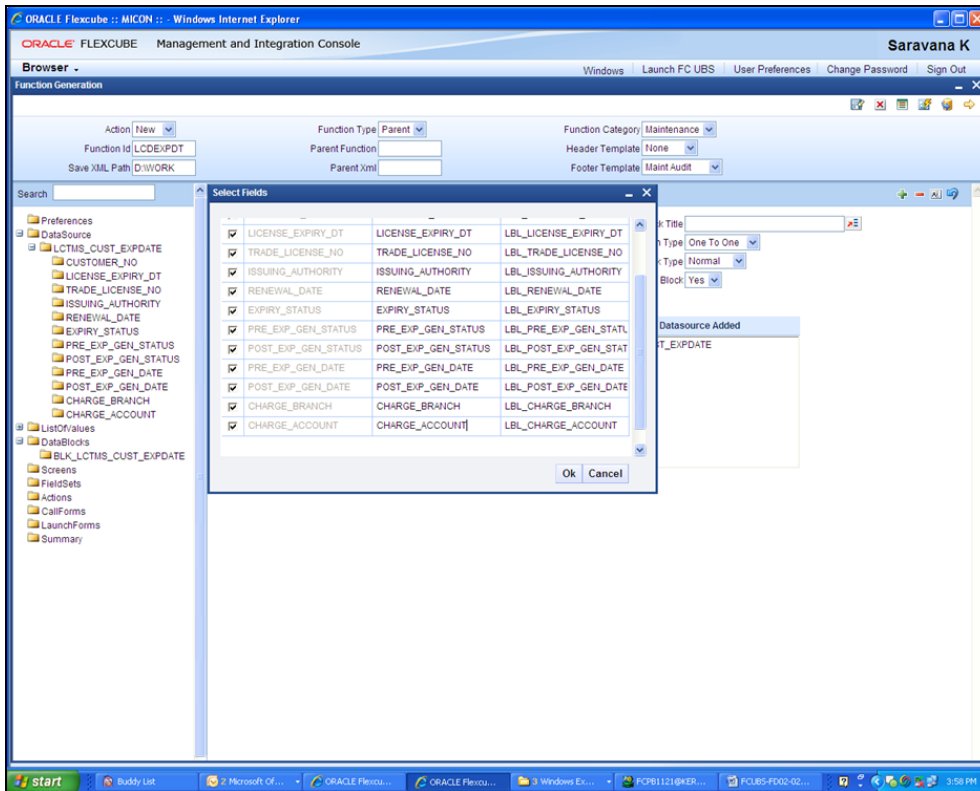


In case block for Detail Data sources, the Relation Type is to be changed to “One to Many”

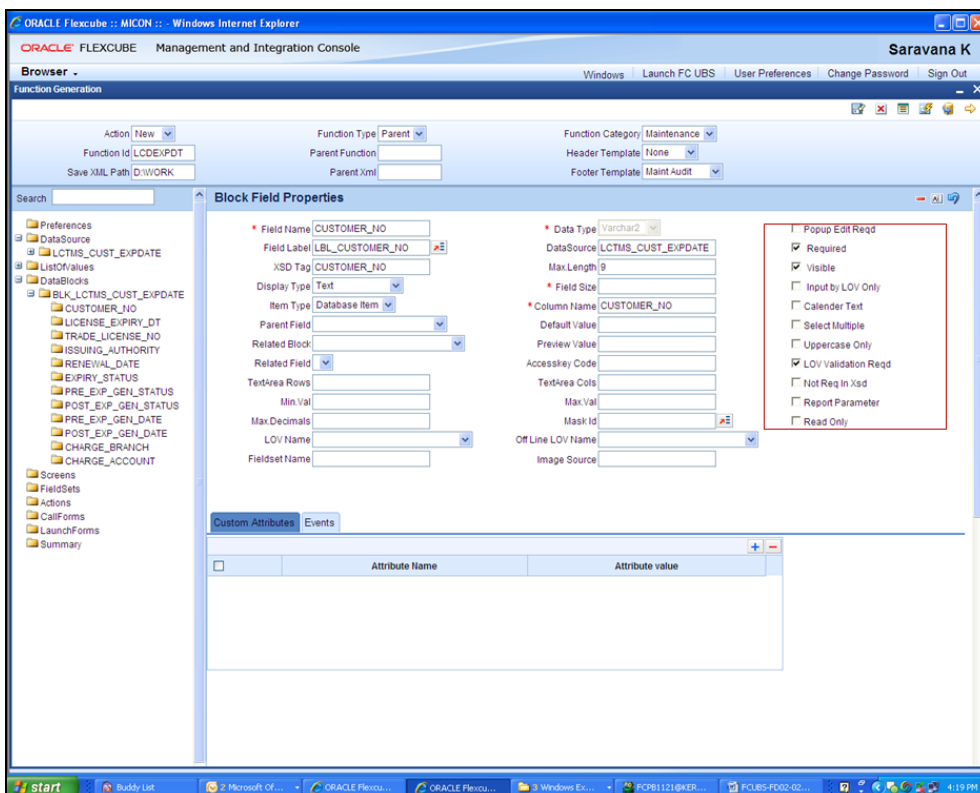


Multi record option is made “Yes”, Parent field should be maintained and Master block should be “NO”.

- The columns that were added in the datasources in our earlier step will now have to be added in the corresponding datablock as well by right-clicking on the already added datablock and then pressing “Add”.
- The column name is typed into the field name and we click on the corresponding space for Label Code to fill all the entries for the row. We then click the check boxes then click “OK” in the screen below.



- The attributes for each column such as “Visible”, “Required” and “Pop up edit required” as seen to the right part of the screen below in the Open Development Tool are checked if necessary.





Primary Key of the data source must be selected as Required.

- CUSTOMER_NO Field of BLK_LCTMS_CUST_EXPDATE is declared as LOV by selecting the appropriate display type and LOV name and then the required Return Fields are set.

The screenshot shows the Oracle Flexcube Management and Integration Console interface. The main window is titled "ORACLE FLEXCUBE Management and Integration Console" and "Saravana K". The "Function Generation" tab is active. The "Block Field Properties" section is expanded, showing the configuration for the "CUSTOMER_NO" field. The field is set to "Display Type: Lov" and "LOV Name: LOV_CUST_NO". The "Return Fields Mapping" table is also visible, showing the mapping of the "CUSTOMER_NO" field to the "CUSTOMER_NO" return field.

Query Column	Block Name	Return Field Name
☐ CUSTOMER_NO	BLK_LCTMS_CUST_EXPDATE	☐ CUSTOMER_NO
☐ CUSTOMER_NAME1		
☐ SHORT_NAME		

- Similarly CHARGE_ACCOUNT Field of BLK_LCTMS_CUST_EXPDATE is declared as LOV and Return Fields are set

ORACLE FLEXCUBE Management and Integration Console

Saravana K

Function Generation

Action: New Function Type: Parent Function Category: Maintenance

Function Id: LCDEXPDT Parent Function: Parent.xml Header Template: None Footer Template: Maint Audit

Save XML Path: D:\WORK

Search: Block Field Properties

Field Name: CHARGE_ACCOUNT Data Type: Varchar2

Field Label: LBL_CHARGE_ACCOUNT DataSource: LCTMS_CUST_EXPDATE

XSD Tag: CHARGE_ACCOUNT Max Length: 20

Display Type: Lov Field Size: CHARGE_ACCOUNT

Item Type: Database Item Column Name: CHARGE_ACCOUNT

Parent Field: Related Block: Default Value: Preview Value: Accesskey Code: TextArea Cols: TextArea Rows: Min.Val: Max.Val: Mask Id: Off Line LOV Name: Image Source:

Related Field: TextArea Rows: Min.Val: Max.Val: Mask Id: Off Line LOV Name: Image Source:

LOV Name: LOV_CHARGE_ACC

Fieldset Name:

Custom Attributes: Events: Bind Variables: Return Fields

Return Fields Mapping

Query Column	Block Name	Return Field Name
CUST_AC_NO	BLK_LCTMS_CUST_EXPDATE	CHARGE_ACCOUNT
BRANCH_CODE	BLK_LCTMS_CUST_EXPDATE	CHARGE_BRANCH

- Bind Variables are added for LOV LOV_CHARGE_ACC

ORACLE FLEXCUBE Management and Integration Console

Saravana K

Function Generation

Action: New Function Type: Parent Function Category: Maintenance

Function Id: LCDEXPDT Parent Function: Parent.xml Header Template: None Footer Template: Maint Audit

Save XML Path: D:\WORK

Search: Block Field Properties

Field Name: CHARGE_ACCOUNT Data Type: Varchar2

Field Label: LBL_CHARGE_ACCOUNT DataSource: LCTMS_CUST_EXPDATE

XSD Tag: CHARGE_ACCOUNT Max Length: 20

Display Type: Lov Field Size: CHARGE_ACCOUNT

Item Type: Database Item Column Name: CHARGE_ACCOUNT

Parent Field: Related Block: Default Value: Preview Value: Accesskey Code: TextArea Cols: TextArea Rows: Min.Val: Max.Val: Mask Id: Off Line LOV Name: Image Source:

Related Field: TextArea Rows: Min.Val: Max.Val: Mask Id: Off Line LOV Name: Image Source:

LOV Name: LOV_CHARGE_ACC

Fieldset Name:

Custom Attributes: Events: Bind Variables: Return Fields

Bind Variables Mapping

Block Name	Bind Variable	Datatype
BLK_LCTMS_CUST_EXPDATE	CUSTOMER_NO	

- PRE_EXP_GEN_STATUS is declared as checkbox and Custom Attributes are set

ORACLE FLEXCUBE Management and Integration Console

Vivek Aggarwal

Function Generation

Action: New Function Type: Parent Function Category: Maintenance

Function Id: LCDEXPDOT Parent Function: Header Template: None Footer Template: None

Save XML Path: Parent.xml

Search:

Block Field Properties

* Field Name: PRE_EXP_GEN_STATUS

Field Label: LBL_PRE_EXP_GEN_STA

XSD Tag: PRE_EXP_GEN_STATUS

Display Type: CheckBox

Item Type: Database Item

Parent Field:

Related Block:

Related Field:

TextArea Rows:

Min.Val:

Max.Decimals:

LOV Name:

Fieldset Name:

* Data Type: Varchar2

Data Source: LCTMS_CUST_EXPDATE

Max.Length: 4

* Field Size:

* Column Name: PRE_EXP_GEN_STATUS

Default Value:

Preview Value:

AccessKey Code:

TextArea Cols:

Max.Val:

Mask Id:

Off Line LOV Name:

Image Source:

PopUp Edit Reqd:

Required:

Visible:

Input by LOV Only:

Calendar Test:

Select Multiple:

Uppercase Only:

LOV Validation Reqd:

Hot Req In Jsd:

Report Parameter:

Read Only:

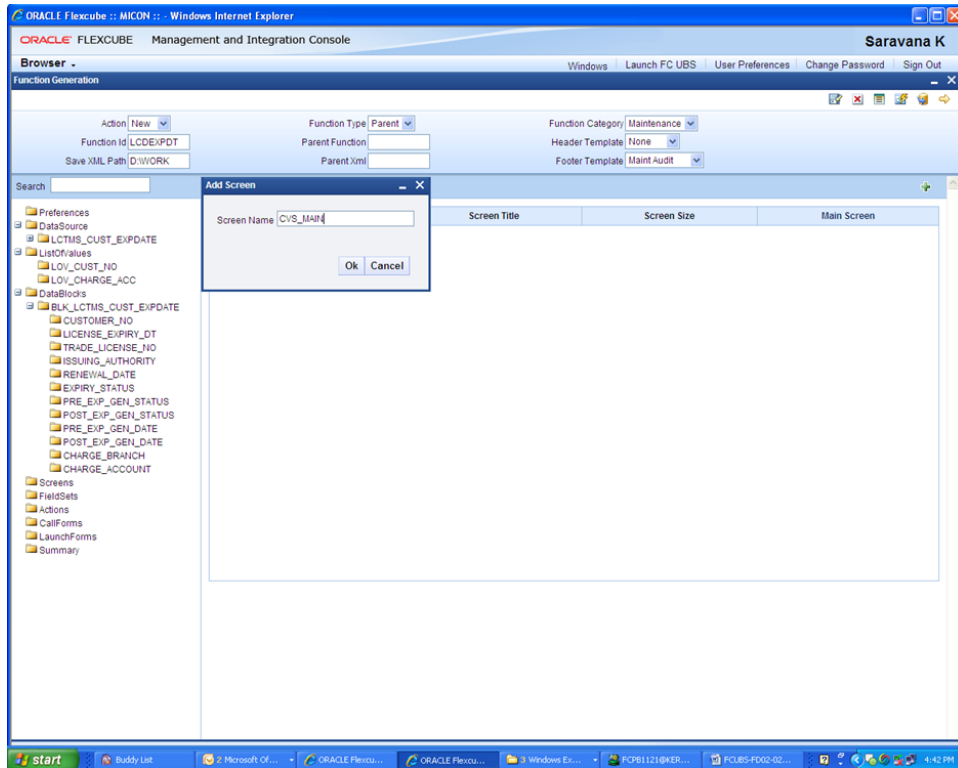
Custom Attributes

Attribute Name	Attribute value	Active
ON	Y	Yes
OFF	N	Yes

Similarly POST_EXP_GEN_STATUS is declared as checkbox and Custom Attributes set in the same way

9. Screen Layout Design

- Add a Screen as shown below



- The main screen should be named as CVS_MAIN and the changes are made as below.

- Screen Title should be added.
- Main screen should be checked.

The screenshot shows the Oracle Flexcube Management and Integration Console interface. The user is logged in as Vivek Aggarwal. The interface is divided into several sections:

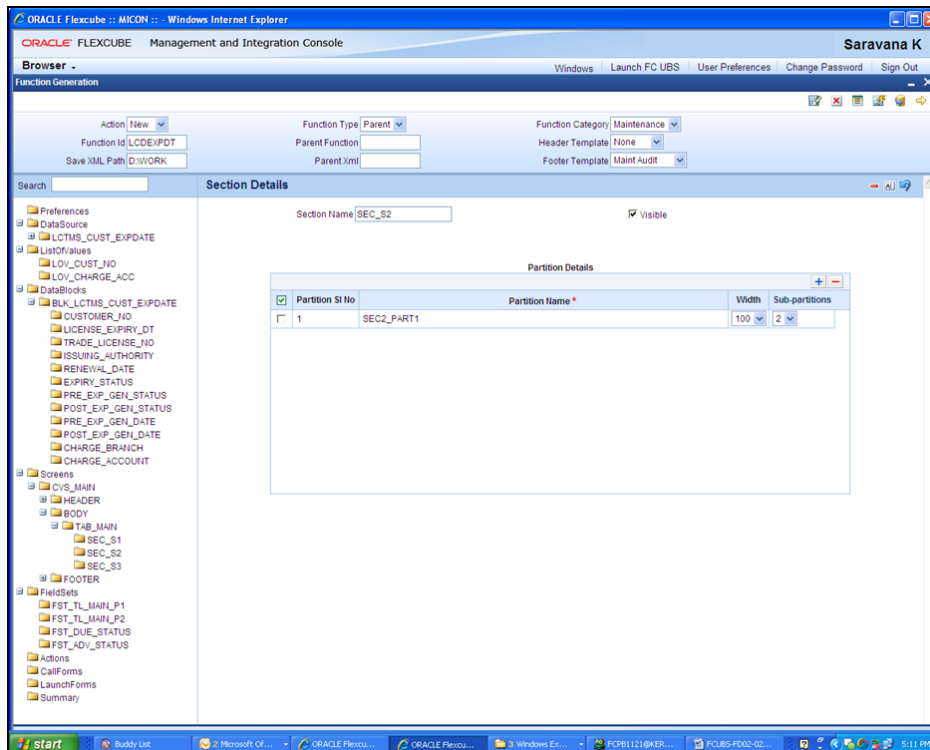
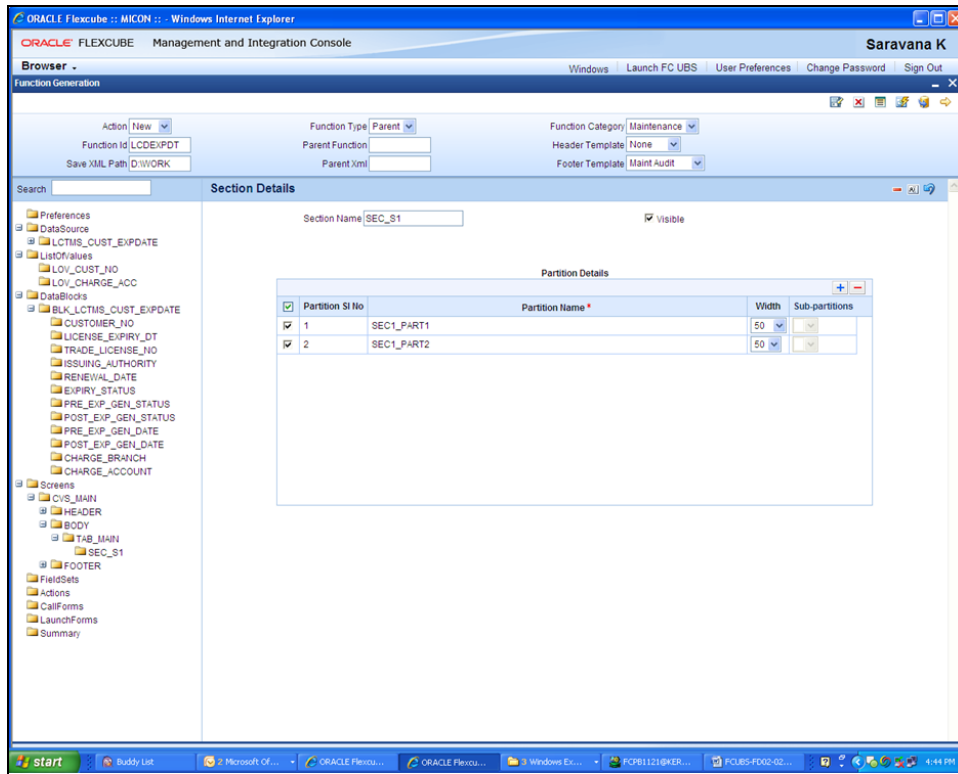
- Function Generation:** Includes fields for Action (Load), Function Id (LCDEXPDT), Save XML Path (D:\RADTOOL), Function Type (Parent), Parent Function, Parent Xml, Function Category (Maintenance), Header Template (None), and Footer Template (None).
- Search:** A search bar is present.
- Screen Details:**
 - Screen Name: CVS_MAIN
 - Screen Title: (empty)
 - Screen Size: Small
 - Exit Button Type: Default Cancel
 - ☒ Main Screen
 - ☒ Visible
- Table:** A table with columns: Arg Name, Source Block, Source Field, Arg Value, Target Block, Target Field, and Active. The table is currently empty.

- In order to design the screen, we require the addition of sections.

The screenshot shows the Oracle Flexcube Management and Integration Console interface. The user is logged in as Saravana K. The interface is divided into several sections:

- Function Generation:** Includes fields for Action (New), Function Id (LCDEXPDT), Save XML Path (D:\WORK), Function Type (Parent), Parent Function, Parent Xml, Function Category (Maintenance), Header Template (None), and Footer Template (Maint Audit).
- Search:** A search bar is present.
- Tab Details:**
 - Screen Name: CVS_MAIN
 - Tab Name: TAB_MAIN
 - Tab Label: (empty)
 - Tab Type: (empty)
 - Tab Access Key: (empty)
 - ☒ Visible
 - Dependent Fields: (empty)
- Tree View:** A tree view on the left shows the hierarchy of the application. The 'Screens' folder is expanded, showing 'CVS_MAIN' and 'TAB_MAIN'. The 'TAB_MAIN' folder is selected, and a context menu is open with options: Add, Delete, and Rename.

- Use the “+” button to add and then name the partition. Width and sub partitions can be selected accordingly.



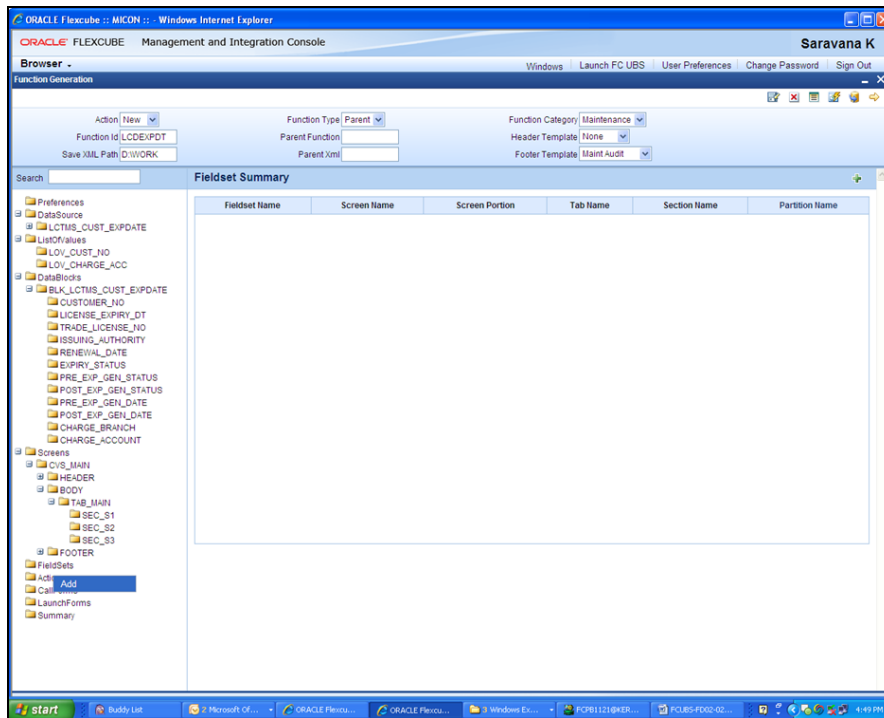
Similarly, we do the same for the third section and partition creation

10. Field Sets

The various fieldsets that are required are shown in the screen below. For this example, we require four fieldsets named FST_TL_MAIN_P1, FST_TL_MAIN_P2,

FST_DUE_STATUS and FST_ADV_STATUS.

- Add a new field set by right clicking on the field set folder and then click “ADD”.



Maintain the following information of the portion of the screen where the set of fields selected should be displayed on the screen.

- Screen name
- Screen Portion
- Tab name
- Section name
- Partition name

ORACLE FLEXCUBE Management and Integration Console

Saravana K

Windows Launch FC UBS User Preferences Change Password Sign Out

Function Generation

Action: New Function Type: Parent Function Category: Maintenance

Function Id: LCDEXPDT Parent Function: Header Template: None Footer Template: Maint Audit

Save XML Path: D:\WORK Parent Xml:

Search:

Fieldset Properties

Fieldset Name: FST_TL_MAIN_P1 Fieldset Label: Data Block: BLK_LCTMS_CUST_EXPDATE Multi Record: No View Type: Single Fieldset Height: No Of Rows:

Screen Name: CVS_MAIN Screen Portion: Body Tab Name: TAB_MAIN Section Name: SEC_S1 Partition Name: SEC1_PART1 Fieldset Width:

Horizontal Fieldset Read Only Navigation Button Visible

Data Block Fields

Fieldset Fields	Subpartition Name
☒ CUSTOMER_NO	
☒ ISSUING_AUTHORITY	
☒ RENEWAL_DATE	
☒ CHARGE_BRANCH	
☒ CHARGE_ACCOUNT	

Preferences

- Data Source
 - LCTMS_CUST_EXPDATE
 - List of Values
 - LOV_CUST_NO
 - LOV_CHARGE_ACC
- Data Blocks
 - BLK_LCTMS_CUST_EXPDATE
 - CUSTOMER_NO
 - LICENSE_EXPIRY_DT
 - TRADE_LICENSE_NO
 - ISSUING_AUTHORITY
 - RENEWAL_DATE
 - EXPIRY_STATUS
 - PRE_EXP_GEN_STATUS
 - POST_EXP_GEN_STATUS
 - PRE_EXP_GEN_DATE
 - POST_EXP_GEN_DATE
 - CHARGE_BRANCH
 - CHARGE_ACCOUNT
- Screens
 - CVS_MAIN
 - HEADER
 - BODY
 - TAB_MAIN
 - SEC_S1
 - SEC_S2
 - SEC_S3
 - FOOTER
- Fieldsets
 - FST_TL_MAIN_P1
 - Actions
 - Call Forms
 - Launch Forms
 - Summary

ORACLE FLEXCUBE Management and Integration Console

Saravana K

Windows Launch FC UBS User Preferences Change Password Sign Out

Function Generation

Action: New Function Type: Parent Function Category: Maintenance

Function Id: LCDEXPDT Parent Function: Header Template: None Footer Template: Maint Audit

Save XML Path: D:\WORK Parent Xml:

Search:

Fieldset Properties

Fieldset Name: FST_TL_MAIN_P2 Fieldset Label: Data Block: BLK_LCTMS_CUST_EXPDATE Multi Record: No View Type: Single Fieldset Height: No Of Rows:

Screen Name: CVS_MAIN Screen Portion: Body Tab Name: TAB_MAIN Section Name: SEC_S1 Partition Name: SEC1_PART2 Fieldset Width:

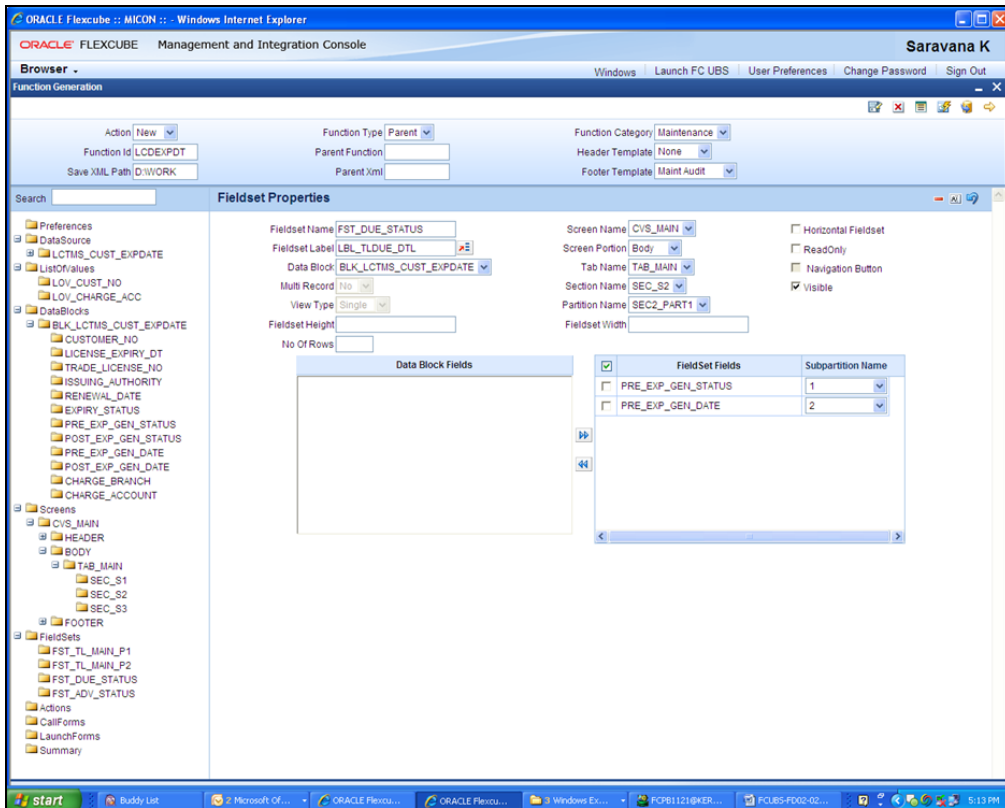
Horizontal Fieldset Read Only Navigation Button Visible

Data Block Fields

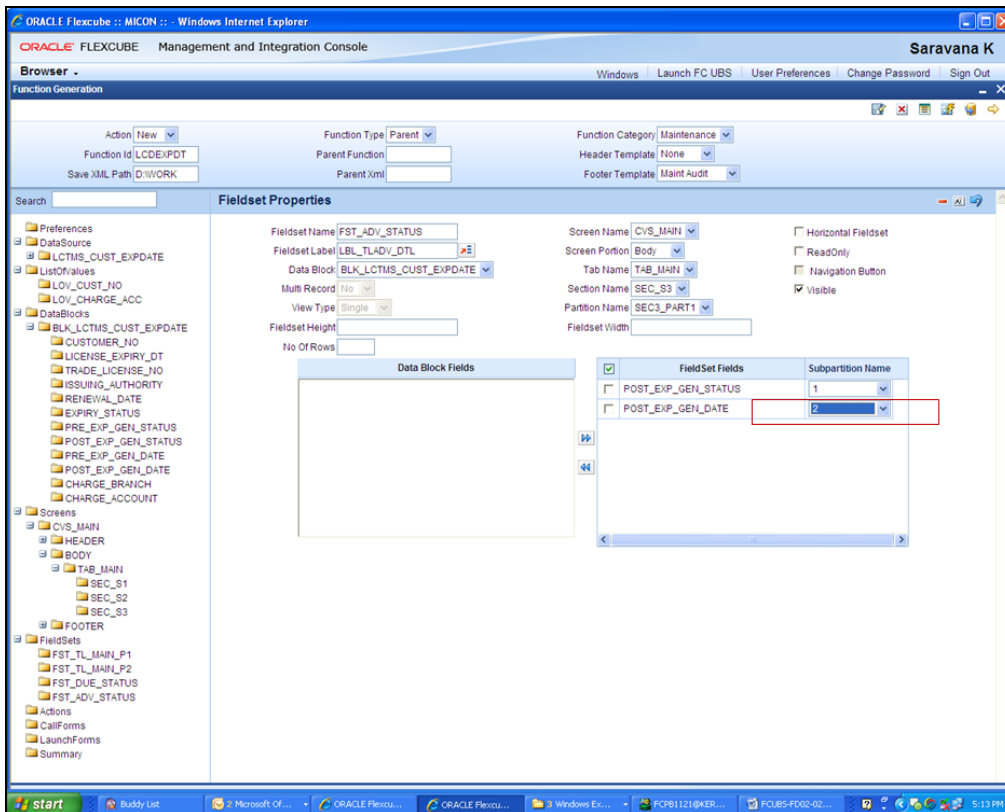
Fieldset Fields	Subpartition Name
☒ TRADE_LICENSE_NO	
☒ LICENSE_EXPIRY_DT	
☒ EXPIRY_STATUS	

Preferences

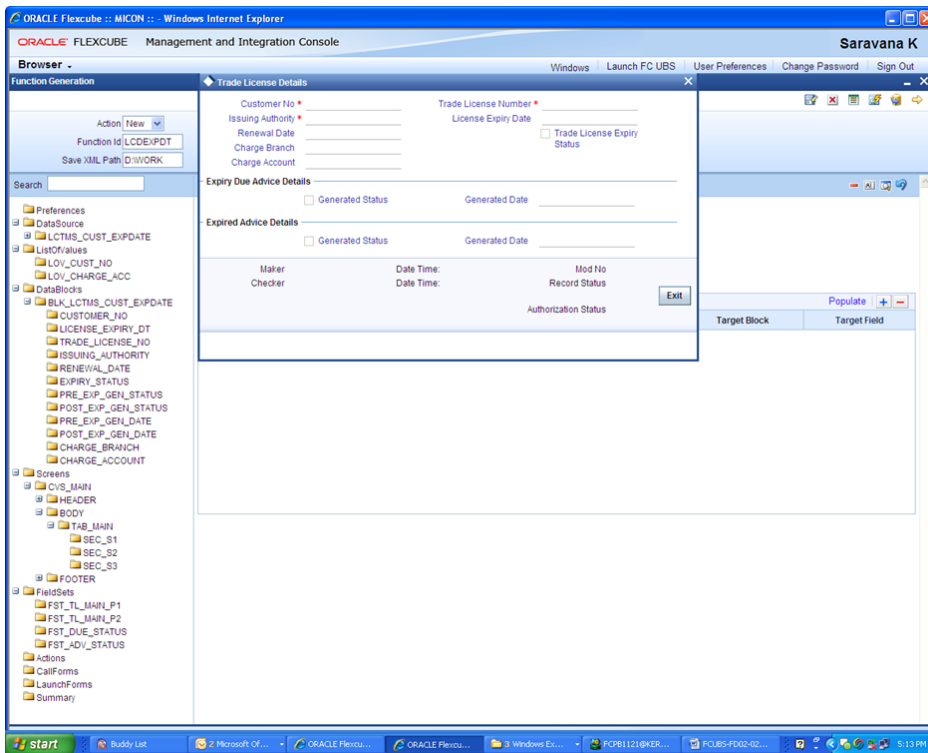
- Data Source
 - LCTMS_CUST_EXPDATE
 - List of Values
 - LOV_CUST_NO
 - LOV_CHARGE_ACC
- Data Blocks
 - BLK_LCTMS_CUST_EXPDATE
 - CUSTOMER_NO
 - LICENSE_EXPIRY_DT
 - TRADE_LICENSE_NO
 - ISSUING_AUTHORITY
 - RENEWAL_DATE
 - EXPIRY_STATUS
 - PRE_EXP_GEN_STATUS
 - POST_EXP_GEN_STATUS
 - PRE_EXP_GEN_DATE
 - POST_EXP_GEN_DATE
 - CHARGE_BRANCH
 - CHARGE_ACCOUNT
- Screens
 - CVS_MAIN
 - HEADER
 - BODY
 - TAB_MAIN
 - SEC_S1
 - SEC_S2
 - SEC_S3
 - FOOTER
- Fieldsets
 - FST_TL_MAIN_P1
 - FST_TL_MAIN_P2
 - Actions
 - Call Forms
 - Launch Forms
 - Summary



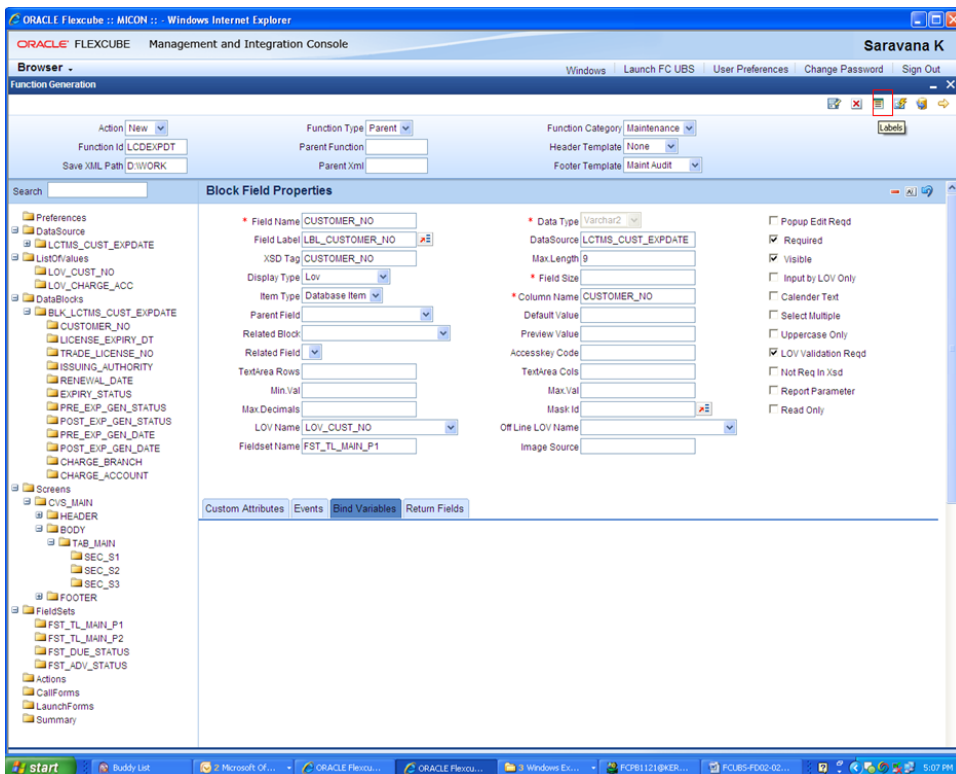
- Sub Partitions can also be selected for the fields.



- Preview the Screen do determine any changes to be made.



- If the fields are not labeled in the preview, then we need to add the Label to the database. Click on the symbol indicated to the top right in the screen below.



- The below screen will appear and after pressing “+”, the new label details should be given

The screenshot shows the Oracle Flexcube Management and Integration Console interface. The main window is titled 'Labels' and contains a table for adding new labels. The table has columns for 'Label Code', 'Label Description', 'Label Type', and 'Operation'. Below the table are buttons for 'Fetch All Labels', 'Fetch Missing Labels', 'Deploy', and 'Exit'. On the right side, there is a sidebar with various configuration options, including 'Popup Edit Reqd', 'Required', 'Visible', 'Input by LOV Only', 'Calendar Text', 'Select Multiple', 'Uppercase Only', 'LOV Validation Reqd', 'Not Req in Xsd', 'Report Parameter', and 'Read Only'. The bottom section of the console shows 'Custom Attributes' with a table for 'Attribute Name' and 'Attribute value'. The table has two rows: 'ON' with value 'Y' and 'OFF' with value 'N'. There are also 'Active' and 'Yes' buttons next to the table.

After the new label has been added, we can use the label lookup and the search will yield the label we have just added for our use

11. Actions

This is the place where amendable information and web services information is captured in Open Development Tool.

For maintenance type of function system enables the below action codes only:

- QUERY
- NEW
- MODIFY
- AUTHORIZE
- DELETE
- CLOSE
- REOPEN

For transaction Screens all the action would be enabled

The screenshot displays the Oracle Flexcube Management and Integration Console. The top navigation bar shows the user 'Saravana K' and menu items: Windows, Launch FC UBS, User Preferences, Change Password, and Sign Out. The main content area is titled 'Form Actions' and includes a search bar and several configuration fields: 'Action Load' (dropdown), 'Function Id' (text field with value 'LCDEXPDT'), 'Function Type' (dropdown with value 'Parent'), 'Function Category' (dropdown with value 'Maintenance'), 'Parent Function' (text field), 'Parent Xml' (text field), 'Header Template' (dropdown with value 'None'), and 'Footer Template' (dropdown with value 'Maint Audit'). Below these fields is a table with columns: 'Web Service', 'Action Code', 'Operation Code', 'Action Stage Type', and a status column. The table lists ten action codes: QUERY, NEW, MODIFY, AUTHORIZE, DELETE, CLOSE, REOPEN, REVERSE, ROLLOVER, CONFIRM, and LIQUIDATE. Each row has a checkbox in the 'Web Service' column and a status 'Amendables' in the final column. The bottom of the screen shows a Windows taskbar with various open applications and the system clock at 7:48 PM.

Web Service	Action Code	Operation Code	Action Stage Type	
☐	QUERY		☒	Amendables
☐	NEW		☒	Amendables
☐	MODIFY		☒	Amendables
☐	AUTHORIZE		☒	Amendables
☐	DELETE		☒	Amendables
☐	CLOSE		☒	Amendables
☐	REOPEN		☒	Amendables
☐	REVERSE		☒	Amendables
☐	ROLLOVER		☒	Amendables
☐	CONFIRM		☒	Amendables
☐	LIQUIDATE		☒	Amendables

12. Summary

- In Open Development Tool, the summary screen is created using the summary option on the left side of the screen.
- The datablock, the datasource and other details are filled and then the necessary fields are taken into the right side.
- Please ensure that the primary key of the Data source must be queried.
- Multi Branch Where Clause is for querying multi branch screens.

The screenshot shows the Oracle Flexcube Management and Integration Console interface. The main window is titled "ORACLE Flexcube :: MICON :: Windows Internet Explorer provided by Softpedia". The user is logged in as "Vivek Aggarwal". The interface includes a "Browser" tab and a "Function Generation" section.

Function Generation Section:

- Action: Load
- Function ID: LCODEXPDT
- Save XML Path: D:\RADTOOL\
- Function Type: Parent
- Parent Function:
- Parent XML:
- Function Category: Maintenance
- Header Template: None
- Footer Template: None

Summary Details Section:

- Title:
- Data Blocks: BLK_LCTMS_CUST_EXPDATE
- Data Source: LCTMS_CUST_EXPDATE
- Summary Type: Summary
- Default Where Clause:
- Default Order By:
- Multi Branch Where Clause:

Data Block Fields Section:

On the left, a tree view shows the hierarchy of data blocks and fields. The "Data Block Fields" section is active, showing a list of fields:

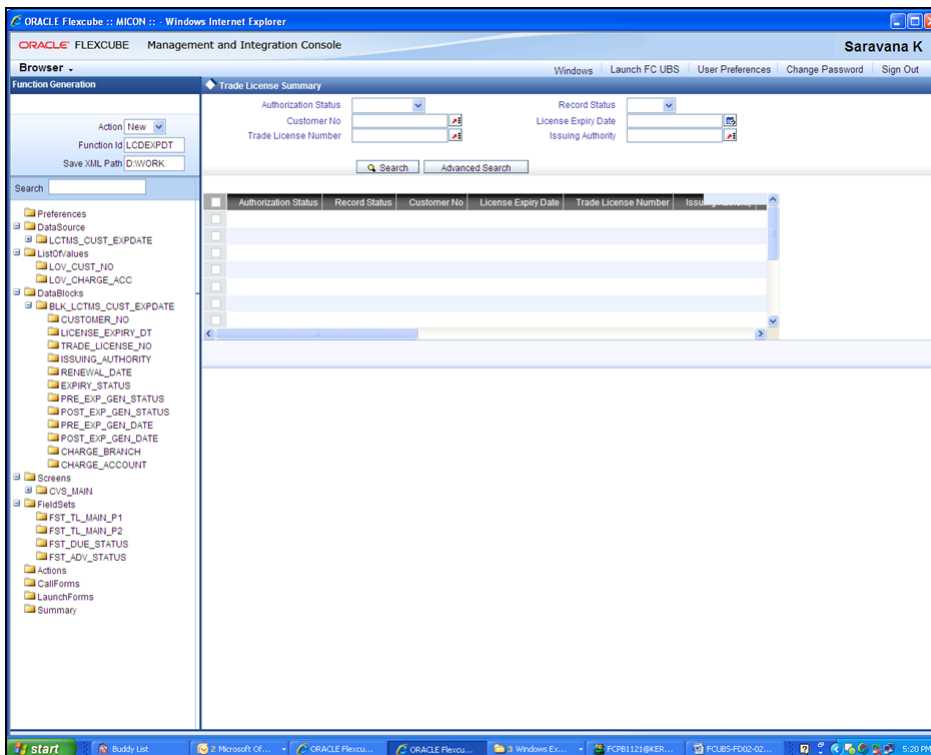
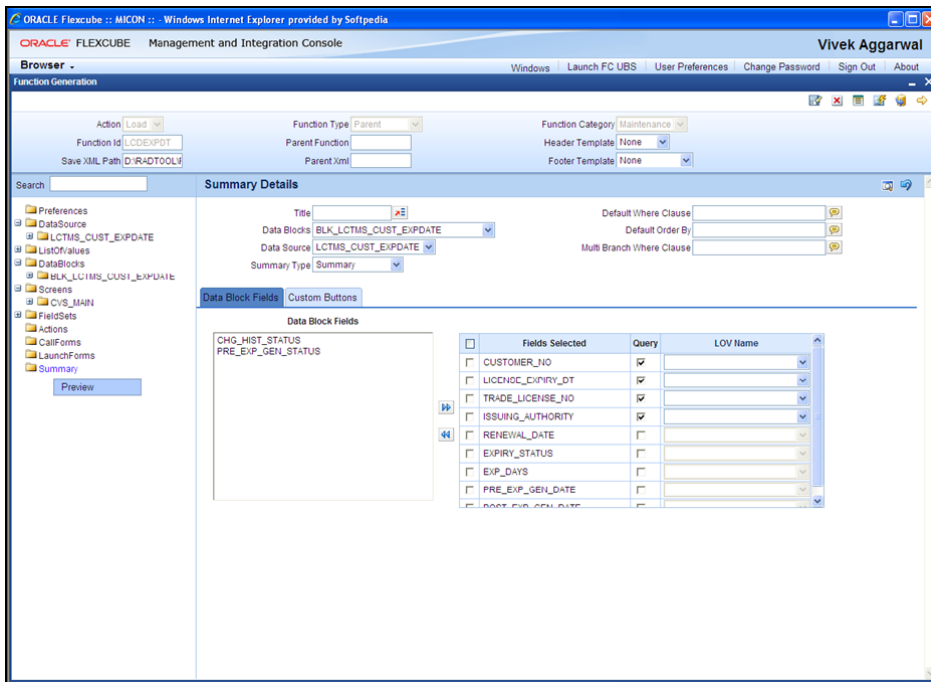
- CHG_HIST_STATUS
- PRE_EXP_GEN_STATUS

On the right, a table titled "Fields Selected" lists the fields and their corresponding query and LOV Name:

Fields Selected	Query	LOV Name
☐ CUSTOMER_NO	☒	
☐ LICENSE_EXPIRY_DT	☒	
☐ TRADE_LICENSE_NO	☒	
☐ ISSUING_AUTHORITY	☒	
☐ RENEWAL_DATE	☐	
☐ EXPIRY_STATUS	☐	
☐ EXP_DAYS	☐	
☐ PRE_EXP_GEN_DATE	☐	

Note that the fields indicated above are query fields

- Right click on Summary option and select “Preview” to get the Summary Screen.



13. Open Development Tool Files Generation

- Save the file. After saving, the files are generated using the generate option.

ORACLE Flexcube :: MICON :: Windows Internet Explorer provided by Softpedia

ORACLE FLEXCUBE Management and Integration Console Vivek Aggarwal

Browser Windows Launch FC UBS User Preferences Change Password Sign Out About

Function Generation

Generate

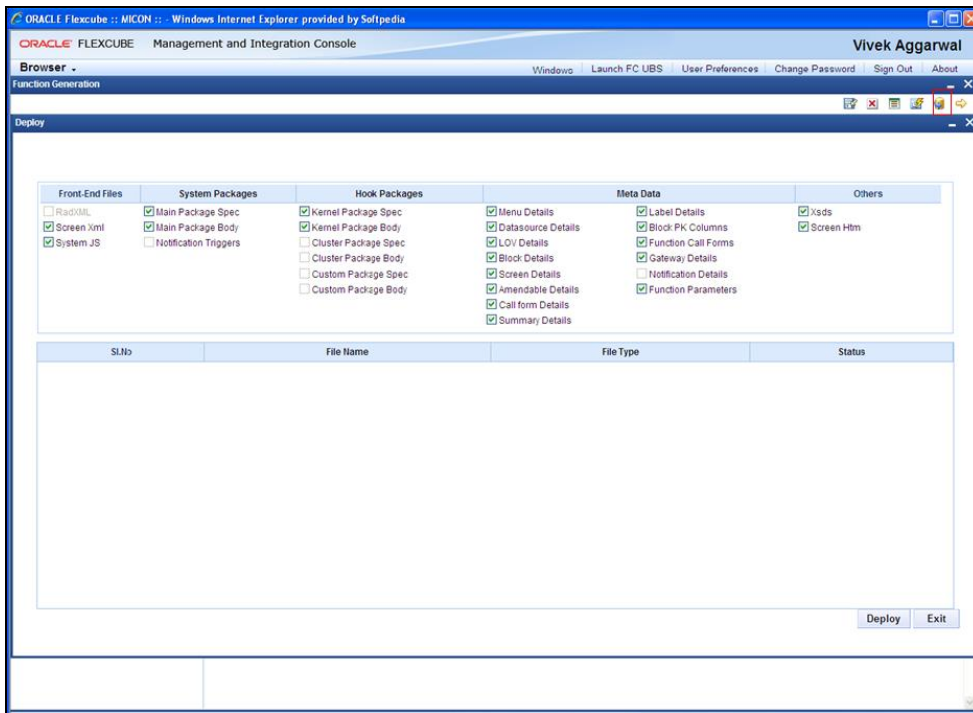
Front-End Files	System Packages	Hook Packages	Meta Data	Others
☒ RadXML	☒ Main Package Spec	☒ Kernel Package Spec	☒ Menu Details	☒ Label Details
☒ Screen Xml	☒ Main Package Body	☒ Kernel Package Body	☒ Datasource Details	☒ Block PK Columns
☒ System JS	☐ Notification Triggers	☐ Cluster Package Spec	☒ LOV Details	☒ Function Call Forms
		☐ Cluster Package Body	☒ Block Details	☒ Gateway Details
		☐ Custom Package Spec	☒ Screen Details	☐ Notification Details
		☐ Custom Package Body	☒ Amendable Details	☒ Function Parameters
			☒ Call form Details	
			☒ Summary Details	

S/No	File Name	File Type	Status
1	LCDEXPDT.xml	XML	Generated
2	LCDEXPDT_SYS.js	JS	Generated
3	LCDEXPDT__CVS_MAIN__TAB_HEADER.html	HTML	Generated
4	LCDEXPDT__CVS_MAIN__TAB_MAIN.html	HTML	Generated
5	LCDEXPDT__CVS_MAIN__TAB_FOOTER.html	HTML	Generated
6	lcpxs_lcxexpdt_main.spc	SPC	Generated
7	lcpxs_lcxexpdt_kernel.spc	SPC	Generated
8	lcpxs_lcxexpdt_main.sql	SQL	Generated
9	lcpxs_lcxexpdt_kernel.sql	SQL	Generated
10	CSTB_FIELD_LABELS__LCDEXPDT.INC	INC	Generated
11	CSTB_OTHER_LABELS__LCDEXPDT.INC	INC	Generated
12	CSTB_LOV_INFO__LCDEXPDT.INC	INC	Generated
13	CSTB_SUMMARY_INFO__LCDEXPDT.INC	INC	Generated

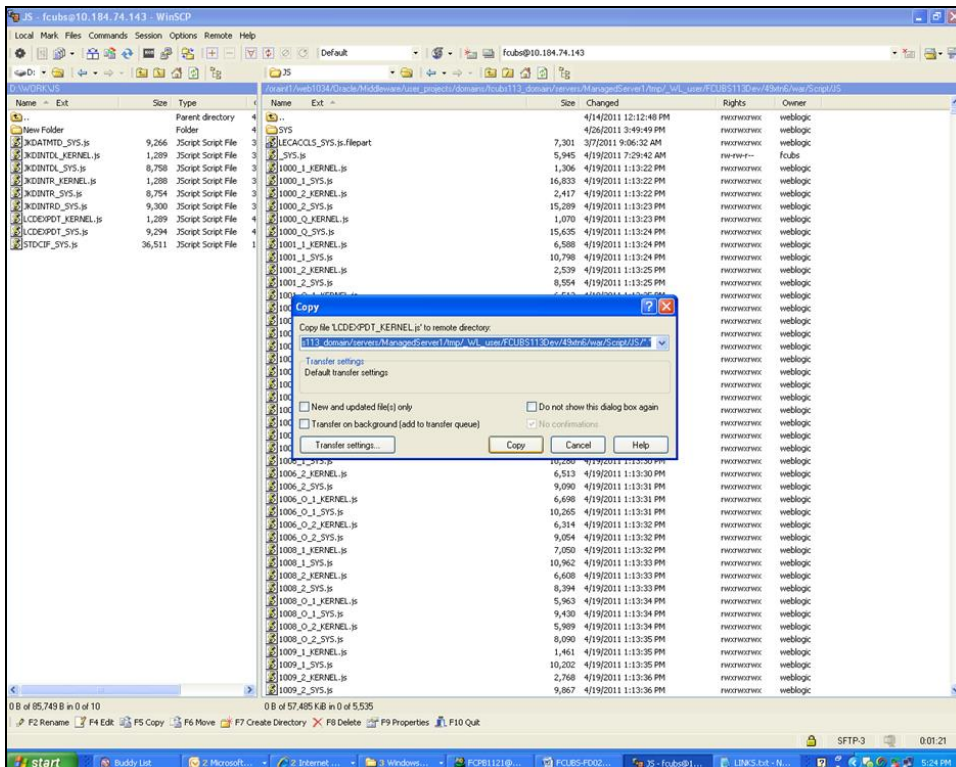
Generate Exit

The files should be generated without error. If errors are reported, they need to be debugged.

- Deploy the generated files



- Deploy the file LCDEXPDT.xml in the UIXML path specified
- Deploy the files LCDEXPDT _SYS.js and LCDEXPDT.js in the JS path specified
- Compile the created objects in PI/sql



14. Testing

- Test the Screen in FLEXCUBE

Menu

- Accounting & MIS
- Accounting_Main_Menu
- Asset Management
- Auto Billing Clients
- Bank Parameters
- Batch Operations
- Bcdmulti_Main_Menu
- Billing
- Bills and Collection
- Branch Parameters
- Cardnet_Main_Menu
- Card Maintenance
- Cards
- Cicousor_Main_Menu
- Cicgross_Main_Menu
- Cicmado_Main_Menu
- Clearing
- Citpacps_Main_Menu
- Codhi_Main_Menu
- Collections
- Common Entity
- Compliance Checks
- Conversion
- Core
- Corporate Deposits
- Corporate Teller
- Cscousin_Main_Menu
- Cscotom_Main_Menu
- Customer
- Customer Accounts
- Customer Accounts
- Customers
- Decharge_Main_Menu
- Dedtip_Main_Menu
- Derivatives
- EMP MAINMENU
- EOC Operations
- Exchange Traded Derivatives
- Expense Processing
- FRS
- Menu
- Workflow
- Customer
- My Dash Board

Trade License Details

Customer No * Trade License Number *

Issuing Authority * License Expiry Date *

Renewal Date

Charge Branch

Charge Account *

Expiry Due Advice Details

☐ Generated Status Generated Date

Expired Advice Details

☐ Generated Status Generated Date

Maker Checker Date Time: Mod No

Date Time: Record Status

Authorization Status

Exit

- Record is saved successfully

Menu

- Accounting & MIS
- Accounting_Main_Menu
- Asset Management
- Auto Billing Clients
- Bank Parameters
- Batch Operations
- Bcdmulti_Main_Menu
- Billing
- Bills and Collection
- Branch Parameters
- Cardnet_Main_Menu
- Card Maintenance
- Cards
- Cicousor_Main_Menu
- Cicgross_Main_Menu
- Cicmado_Main_Menu
- Clearing
- Citpacps_Main_Menu
- Codhi_Main_Menu
- Collections
- Common Entity
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- Customer Accounts
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- Decharge_Main_Menu
- Dedtip_Main_Menu
- Derivatives
- EMP MAINMENU
- EOC Operations
- Exchange Traded Derivatives
- Expense Processing
- FRS
- Menu
- Workflow
- Customer
- My Dash Board

Trade License Details

Customer No * 000002997 Trade License Number * 543

Issuing Authority * Junk License Expiry Date * 2016-03-25

Renewal Date

Charge Branch

Charge Account * 000087

Expiry Due Advice Details

☐ Generated Status Generated Date

Expired Advice Details

☐ Generated Status Generated Date

Maker SARV77 Date Time: 2012-03-01 16:00: Mod No 1

Checker Date Time: Record Status Open

Authorization Status

Exit

Information Message

Record Successfully Saved

OK

- Summary Screen is invoked to authorize the saved record

Trade License Summary

Authorization Status: Unauthorized
Customer No: 000002967
Record Status:
Issuing Authority:
Trade License Number:
License Expiry Date:

Export Search Advanced Search Refresh Reset

Records per page: 15 of 1

Authorization Status	Record Status	Customer No	Trade License Number	Issuing Authority	License Expiry Date
Unauthorized	Open	000002967	2015-03-25	543	junk

Exit

- Record is authorized successfully.

Trade License Details

Authorize

Records

Modification Number	Modification Status	First Authorization Status	Authorization Status	Maker ID	Maker Date Stamp
Unauthorized	Open	000002967	2015-03-25	543	junk

Remarks

Maker Remarks: SARVA77
First Checker Remarks: 2012-02-01 00:00:00
Maker Override Remarks:
Checker Remarks: New Changes

Warnings

Information Message
Record Successfully Authorized
OK

Fields

Field Name	Old Value	New Value

Accept Reject Cancel



Function ID Development I
[May] [2019]
Version 14.1.0.0.0

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