Oracle® Banking Corporate Lending

Development of Gateway Screen and LOV Enhancer

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Oracle Banking Corporate Lending Development of Gateway Screen and LOV Enhancer, Release 14.8.1.0.0

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Preface

This topic contains the following sub-topics:

Purpose

This document describes the process of FLEXCUBE Screen Development using Enterprise Limits and Collateral Management Development Workbench.

Acronyms and Abbreviations

Table 1 Acronyms and Abbreviations

Acronyms	Abbreviations
FCUBS	Oracle FLEXCUBE Universal Banking Solution
OBCL	Oracle Banking Corporate Lending
ODT	Oracle Development Tool

Audience

This document is intended for Oracle FLEXCUBE Universal Banking Application developers/ users that use Development Workbench to develop various Oracle FLEXCUBE Universal Banking components. To use this manual, the user needs a conceptual and working knowledge of the below:

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Table 2 Proficiency Details

Proficiency	Resources
Oracle FLEXCUBE Universal Banking Technical Architecture	Training programs from Oracle Financial Software Services.
Working knowledge of Web based applications	Self Acquired
Working knowledge of Oracle Database	Oracle Documentations

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Conventions

The following text conventions are used in this document:

Table 3 Conventions

Convention	Meaning
boldface	Boldface type indicates graphical user interface elements associated with an action, or terms defined in text or the glossary.
italic	Italic type indicates book titles, emphasis, or placeholder variables for which you supply particular values.
`monospace`	Monospace type indicates commands within a paragraph, URLs, code in examples, text that appears on the screen, or text that you enter.

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Because of these technical constraints, our effort to remove insensitive terms is ongoing and will take time and external cooperation.

Related Resources

For more information on any related features, refer to the following documents:

- Open Development Tool Installation
- Development Workbench – Administration

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Development Workbench of Gateway and LOV Enhancer

This topic contains the following sub-topic:

- Overview of Gateway Screen Development
  This topic provides an overview of gateway screen development for Oracle FLEXCUBE Universal Banking.
- Overview of LOV Enhancer
  This topic provides information an overview of LOV Enhancer.

1.1 Overview of Gateway Screen Development

This topic provides an overview of gateway screen development for Oracle FLEXCUBE Universal Banking.

Oracle FLEXCUBE Universal Banking ODT provides the developer with a user-friendly console for designing and developing screens for Oracle FLEXCUBE Universal Banking.

ODT assists developers in designing screens with the capability of generating front-end scripting files, PL/SQL Packages, Static data scripts, XSDs, Excel templates, and HTML files. This generated code performs validations and does some processing which is common across screens in Oracle FLEXCUBE Universal Banking, only the Business logic specific to the screen has to be added by the developer in the back end and front end units.

Release Name: FC 12.1

Release Type: KERNEL, CLUSTER, CUSTOM

ODT will generate all files, and developers are supposed to add the business logic in designated units depending on the Release Type.

This topic contains the following sub-topics:

- Radxml
  This topic provides information about radxml to develop of gateway screen for Oracle FLEXCUBE Universal Banking.
- Design Steps
  This topic provides information on design steps to be followed while developing ODT screen Oracle FLEXCUBE Universal Banking.

1.1.1 Radxml

This topic provides information about radxml to develop of gateway screen for Oracle FLEXCUBE Universal Banking.

ODT saves all the activities carried out by the developer in an XML file hereby referred to as **radxml**. The persistence of the screens is achieved through radxml. All the units required for the working of a screen can be generated from its **radxml**.

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If some changes are required on the screen in a future release, the same radxml can be loaded, and changes can be done on this radxml. ODT can segregate the changes done on different releases and saves the radxml accordingly.

Radxml will adhere to following naming convention.

Function ID name + _RAD.xml

For example: STDCULND_RAD.xml

1.1.2 Design Steps

This topic provides information on design steps to be followed while developing ODT screen Oracle FLEXCUBE Universal Banking.

The sequence of steps to be followed while developing a screen in ODT:

1. Identifying the data sources and their relations.
2. Logically grouping the data sources into Data Blocks.
3. Designing Screen Layout.
4. Logically grouping the Block Fields into Fieldsets.
5. Attaching Call forms and launch forms if any.
6. Defining Actions.

While Development, save radxml at constant intervals. Click on the **save** icon. Radxml is saved in the user directory maintained.

This topic has the following sub-topic:

- Design Process
  This topic explains the systematic instructions about design process.

1.1.2.1 Design Process

This topic explains the systematic instructions about design process.

1. On the **Development Workbench** Home screen, click on **Function Generation**.

   The **Function Generation** screen is displayed.

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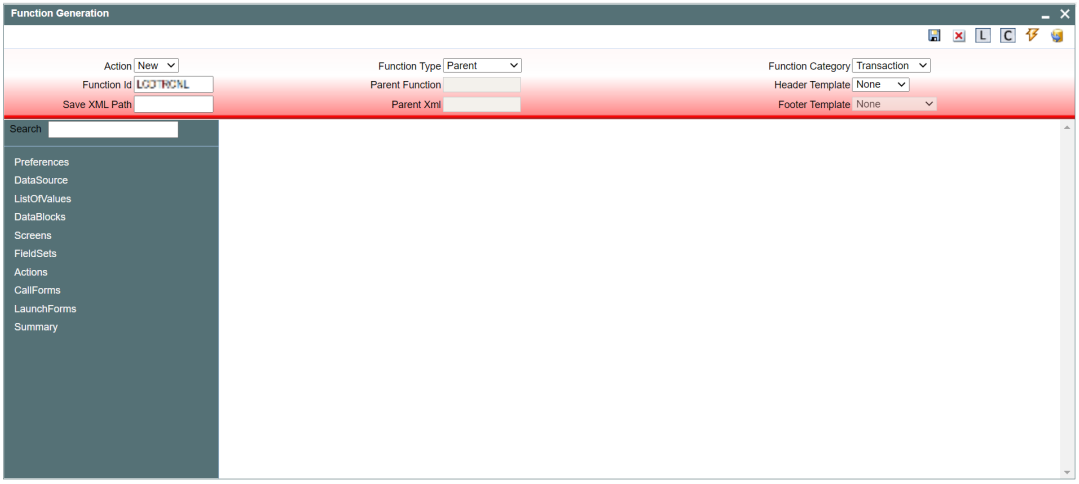
Figure 1-1 Function Generation



2. On the **Function Generation** screen, specify the fields.

Table 1-1 Function Generation

Field	Description
Action	New and Load options are provided for this field. For a new screen development, select the action as **New**. If an existing screen Radxml has to be loaded for customization, select the **Load** option. If the action is **Load** then the corresponding Radxml has to be loaded using **Browser** option in Save Xml Path; all the header information gets populated.
Function Id	If the Action is selected as **New**, the function Id name needs to be specified. Function Id is the unique name with which a screen is identified. Function Id name should follow the FLEXCUBE standard naming convention. • Function Id name to have a maximum length of 8 characters. • For detail screens the third character should be **D**. • For report screens the third character should be **R**. • For call form function id's the third character should be **C**. • First 2 characters specifies the module name for which the particular function id is used(recommended).
Save XML Path	The label description of the field will change depending on the action. If the action is **Load**, ODT attaches a **Browse** button to it so that the user can browse the Radxml and load it.

3. Click **Preferences** from the left navigation panel.

   The **Preferences** screen is displayed.

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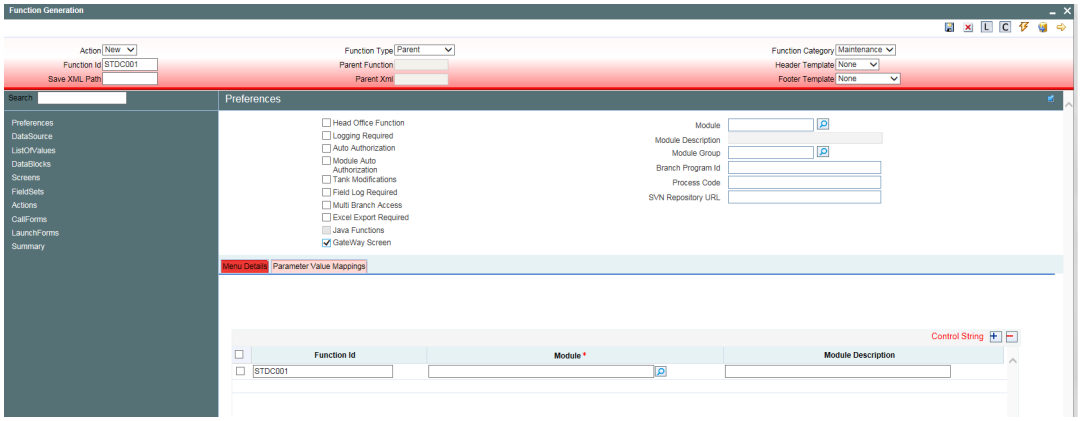
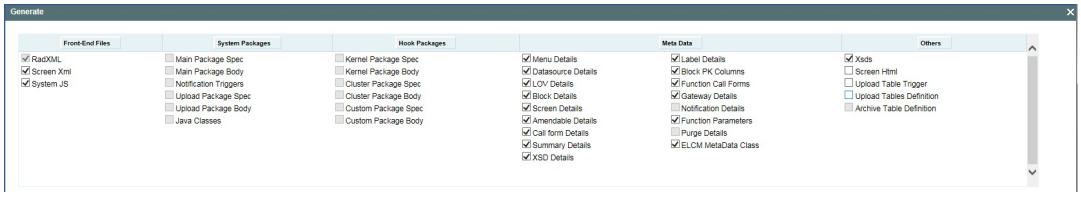
Figure 1-2 Preferences



4. Select **GateWay Screen** checkbox to set preferences.

   The **Generation** screen is displayed and the XSD's and INC's files are generated in backend.

Figure 1-3 Generation screen



5. In the screen, select the following units as shown in the above image to deploy the FCUBS.

   Code should be written in the gateway flow to make this screen display. For generation and design, refer to the *Oracle FLEXCUBE Enterprise Limits and Collateral Management ODT Screen Development* guide.

1.2 Overview of LOV Enhancer

This topic provides information an overview of LOV Enhancer.

Lov Enhancer is used to map Lov's of Screens to External or Combined Lov's.

This topic contains the following sub-topics:

- External LOV
  This topic provides information about LOV Enhancer - External.
- Combined LOV
  This topic provides information about Combined LOV.

1.2.1 External LOV

This topic provides information about LOV Enhancer - External.

LOV of a screen is mapped to External Lov. All the data populated and data fetched in the lov will be from the external system. The user has to select the Lov as External on the screen.

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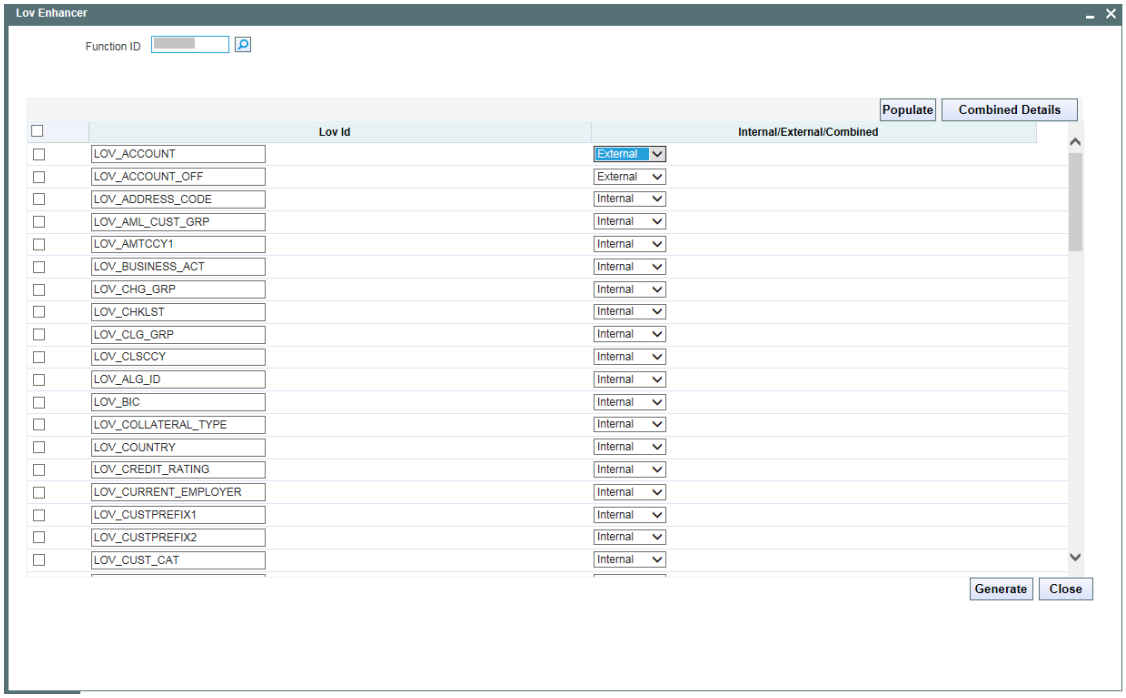
Figure 1-4 LOV Enhancer



1.2.2 Combined LOV

This topic provides information about Combined LOV.

User can use a combination of Lov's from external and internal, where we will provide details of external Lov's bind variable and reduction field details.

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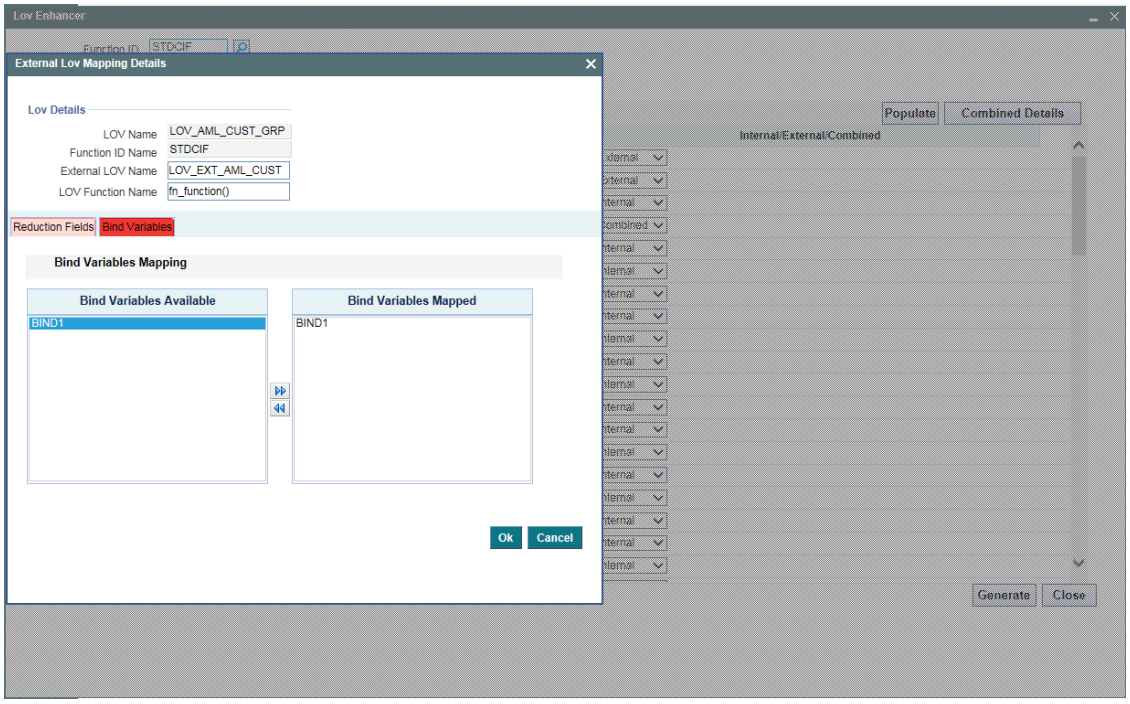
Figure 1-5 External Lov Mapping Details



Here user will provide details for external LOV. When generated after the modifications, INC will be generated with the below kind of data.

```
UPDATE CSTB_LOV_INFO SET LOV_TYPE = 'E' WHERE FUNCTION_ID='STDCIF' AND LOV_ID
IN ('LOV_ACCOUNT','LOV_ACCOUNT_OFF')
/
UPDATE CSTB_LOV_INFO SET LOV_TYPE = 'C' WHERE FUNCTION_ID='STDCIF' AND LOV_ID
IN ('LOV_AML_CUST_GRP')
/
DELETE CSTB_CMB_LOV_INFO A WHERE A.FUNCTION_ID IN ('STDCIF');
INSERT INTO CSTB_CMB_LOV_INFO (FUNCTION_ID, LOV_ID, EXTERNAL_LOV_ID,
LOV_FUNCTION, REDUCTION_LIST, BIND_LIST) VALUES
('STDCIF','LOV_AML_CUST_GRP','LOV_EXT_AML_CUST','fn_function()','','1~')
/
COMMIT;
```


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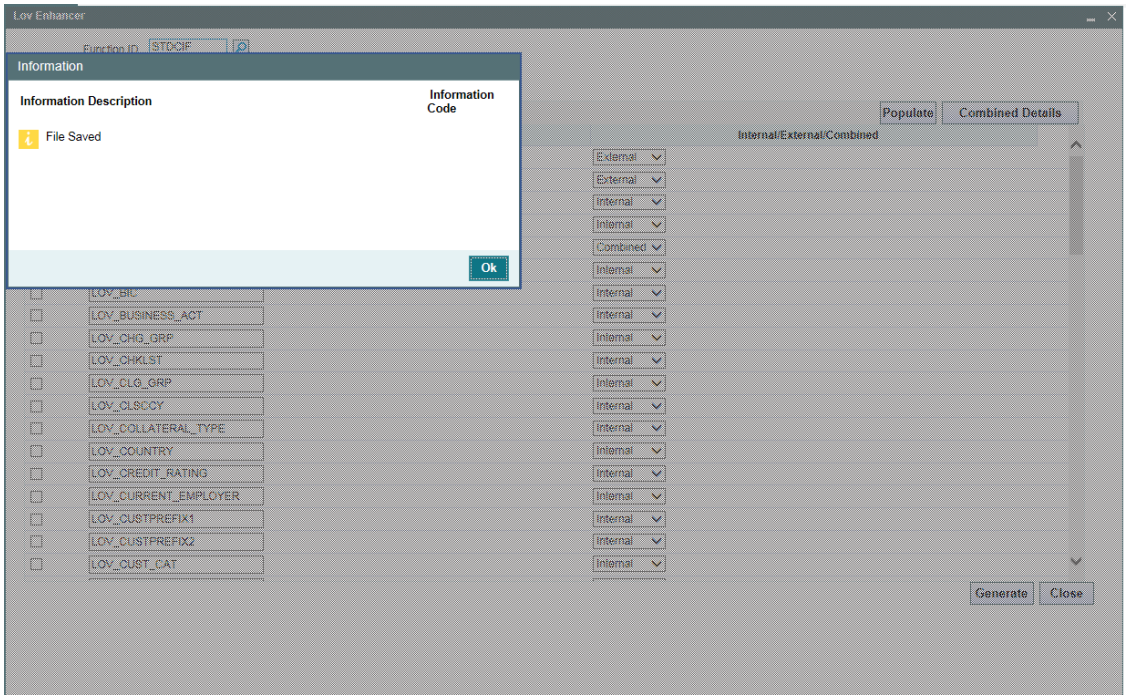
Figure 1-6 Information



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