

Oracle® Banking Treasury Management

Gateway and LOV Enhancer



Release 14.7.6.0.0

April 2025

ORACLE®

Copyright © 2020, 2025, Oracle and/or its affiliates.

This software and related documentation are provided under a license agreement containing restrictions on use and disclosure and are protected by intellectual property laws. Except as expressly permitted in your license agreement or allowed by law, you may not use, copy, reproduce, translate, broadcast, modify, license, transmit, distribute, exhibit, perform, publish, or display any part, in any form, or by any means. Reverse engineering, disassembly, or decompilation of this software, unless required by law for interoperability, is prohibited.

The information contained herein is subject to change without notice and is not warranted to be error-free. If you find any errors, please report them to us in writing.

If this is software, software documentation, data (as defined in the Federal Acquisition Regulation), or related documentation that is delivered to the U.S. Government or anyone licensing it on behalf of the U.S. Government, then the following notice is applicable:

U.S. GOVERNMENT END USERS: Oracle programs (including any operating system, integrated software, any programs embedded, installed, or activated on delivered hardware, and modifications of such programs) and Oracle computer documentation or other Oracle data delivered to or accessed by U.S. Government end users are "commercial computer software," "commercial computer software documentation," or "limited rights data" pursuant to the applicable Federal Acquisition Regulation and agency-specific supplemental regulations. As such, the use, reproduction, duplication, release, display, disclosure, modification, preparation of derivative works, and/or adaptation of i) Oracle programs (including any operating system, integrated software, any programs embedded, installed, or activated on delivered hardware, and modifications of such programs), ii) Oracle computer documentation and/or iii) other Oracle data, is subject to the rights and limitations specified in the license contained in the applicable contract. The terms governing the U.S. Government's use of Oracle cloud services are defined by the applicable contract for such services. No other rights are granted to the U.S. Government.

This software or hardware is developed for general use in a variety of information management applications. It is not developed or intended for use in any inherently dangerous applications, including applications that may create a risk of personal injury. If you use this software or hardware in dangerous applications, then you shall be responsible to take all appropriate fail-safe, backup, redundancy, and other measures to ensure its safe use. Oracle Corporation and its affiliates disclaim any liability for any damages caused by use of this software or hardware in dangerous applications.

Oracle®, Java, MySQL, and NetSuite are registered trademarks of Oracle and/or its affiliates. Other names may be trademarks of their respective owners.

Intel and Intel Inside are trademarks or registered trademarks of Intel Corporation. All SPARC trademarks are used under license and are trademarks or registered trademarks of SPARC International, Inc. AMD, Epyc, and the AMD logo are trademarks or registered trademarks of Advanced Micro Devices. UNIX is a registered trademark of The Open Group.

This software or hardware and documentation may provide access to or information about content, products, and services from third parties. Oracle Corporation and its affiliates are not responsible for and expressly disclaim all warranties of any kind with respect to third-party content, products, and services unless otherwise set forth in an applicable agreement between you and Oracle. Oracle Corporation and its affiliates will not be responsible for any loss, costs, or damages incurred due to your access to or use of third-party content, products, or services, except as set forth in an applicable agreement between you and Oracle.

Contents

Preface

Purpose	iv
Audience	iv
Documentation Accessibility	iv
Critical Patches	v
Diversity and Inclusion	v
Basic Actions	v
Related Resources	vi
Conventions	vi
Screenshot Disclaimer	vi
Symbols and Icons	vi
Prerequisite	x

1 Development Workbench of Gateway and LOV Enhancer

1.1 Overview of Gateway Screen Development	1-1
1.1.1 Design Process	1-2
1.2 Overview of LOV Enhancer	1-3

Index

Preface

This document describes the steps to develop the notification XML and notification trigger using Oracle FLEXCUBE Development Workbench.

- [Purpose](#)
- [Audience](#)
- [Documentation Accessibility](#)
- [Critical Patches](#)
- [Diversity and Inclusion](#)
- [Basic Actions](#)
- [Related Resources](#)
- [Conventions](#)
- [Screenshot Disclaimer](#)
- [Symbols and Icons](#)
- [Prerequisite](#)

Purpose

This document describes helps developer to familiarize with ORACLE FLEXCUBE Development Workbench.

Audience

This guide is intended for the central administrator of the Bank who controls the system and application parameters and ensures smooth functionality and flexibility of the banking application.

Documentation Accessibility

For information about Oracle's commitment to accessibility, visit the Oracle Accessibility Program website at <https://www.oracle.com/corporate/accessibility/>.

Access to Oracle Support

Oracle customer access to and use of Oracle support services will be pursuant to the terms and conditions specified in their Oracle order for the applicable services.

Critical Patches

Oracle advises customers to get all their security vulnerability information from the Oracle Critical Patch Update Advisory, which is available at [Critical Patches](#), [Security Alerts and Bulletins](#). All critical patches should be applied in a timely manner to ensure effective security, as strongly recommended by [Oracle Software Security Assurance](#).

Diversity and Inclusion

Oracle is fully committed to diversity and inclusion. Oracle respects and values having a diverse workforce that increases thought leadership and innovation. As part of our initiative to build a more inclusive culture that positively impacts our employees, customers, and partners, we are working to remove insensitive terms from our products and documentation. We are also mindful of the necessity to maintain compatibility with our customers' existing technologies and the need to ensure continuity of service as Oracle's offerings and industry standards evolve. Because of these technical constraints, our effort to remove insensitive terms is ongoing and will take time and external cooperation.

Basic Actions

Table 1 Basic Actions

Action	Description
Approve	Used to approve the initiated report. This button is displayed, once the user click Authorize .
Audit	Used to view the maker details, checker details, and report status.
Authorize	Used to authorize the report created. A maker of the screen is not allowed to authorize the report. Only a checker can authorize a report, created by a maker.
Close	Used to close a record. This action is available only when a record is created.
Confirm	Used to confirm the performed action.
Cancel	Used to cancel the performed action.
Compare	Used to view the comparison through the field values of old record and the current record. This button is displayed in the widget, once the user click Authorize .
Collapse All	Used to hide the details in the sections. This button is displayed, once the user click Compare .
Expand All	Used to expand and view all the details in the sections. This button is displayed, once the user click Compare .
New	Used to add a new record. When the user click New , the system displays a new record enabling to specify the required data.
OK	Used to confirm the details in the screen.
Save	Used to save the details entered or selected in the screen.
View	Used to view the report details in a particular modification stage. This button is displayed in the widget, once the user click Authorize .

Table 1 (Cont.) Basic Actions

Action	Description
View Difference only	Used to view a comparison through the field element values of old record and the current record, which has undergone changes. This button is displayed, once the user click Compare .
Unlock	Used to update the details of an existing record. System displays an existing record in editable mode.

Related Resources

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

- End user license agreement.
- Oracle Banking Treasury Management User Manuals.

Conventions

The following text conventions are used in this document:

Table 2 Conventions

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

Screenshot Disclaimer

Personal information used in the interface or documents is dummy and does not exist in the real world. It is only for reference purposes.

Symbols and Icons

The following symbols and icons are used in the screens.

Table 3 Symbols and Icons - Common

Symbol/Icon	Function
	Minimize

Table 3 (Cont.) Symbols and Icons - Common

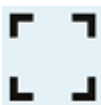
Symbol/Icon	Function
	Maximize
	Close
	Perform Search
	Open a list
	Add a new record
	Navigate to the first record
	Navigate to the last record
	Navigate to the previous record
	Navigate to the next record

Table 3 (Cont.) Symbols and Icons - Common

Symbol/Icon	Function
	Grid view
	List view
	Refresh
	Click this icon to add a new row.
	Click this icon to delete an existing row.
	Click to view the created record.
	Click to modify the fields.
	Click to unlock, delete, authorize or view the created record.

Table 4 Symbols and Icons - Audit Details

Symbol/Icon	Function
	A user
	Date and time
	Unauthorized or Closed status
	Authorized or Open status

Table 5 Symbols and Icons - Widget

Symbol/Icon	Function
	Open status
	Unauthorized status
	Closed status
	Authorized status

Prerequisite

Specify the **User ID** and **Password**, and login to **Home** screen.

Development Workbench of Gateway and 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.

Radxml

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**.

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

Design Steps

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.

- **Design Process**

This topic explains the systematic instructions about design process.

1.1.1 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.

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).

Table 1-1 (Cont.) Function Generation

Field	Description
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.

1.2 Overview of LOV Enhancer

This topic provides an overview of LOV Enhancer.

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

External LOV

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.

Figure 1-2 Lov Enhancer

	Lov Id	Internal/External/Combined	Populate
☐	LOV_ACCOUNT	External	
☐	LOV_ACCOUNT_OFF	External	
☐	LOV_ADDRESS_CODE	Internal	
☐	LOV_AML_CUST_GRP	Internal	
☐	LOV_AMTCCY1	Internal	
☐	LOV_BUSINESS_ACT	Internal	
☐	LOV_CHG_GRP	Internal	
☐	LOV_CHKLIST	Internal	
☐	LOV_CLG_GRP	Internal	
☐	LOV_CLSCCY	Internal	
☐	LOV_ALG_ID	Internal	
☐	LOV_BIC	Internal	
☐	LOV_COLLATERAL_TYPE	Internal	
☐	LOV_COUNTRY	Internal	
☐	LOV_CREDIT_RATING	Internal	
☐	LOV_CURRENT_EMPLOYER	Internal	
☐	LOV_CUSTPREFIX1	Internal	
☐	LOV_CUSTPREFIX2	Internal	
☐	LOV_CUST_CAT	Internal	

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.

Figure 1-3 External Lov Mapping Details

LOV Enhancer

Function ID: STDCIF

External Lov Mapping Details

LOV Details

LOV Name: LOV_AML_CUST_GRP
 Function ID Name: STDCIF
 External LOV Name: LOV_EXT_AML_CUST
 LOV Function Name: fn_function()

Reduction Fields **Bind Variables**

Bind Variables Mapping

Bind Variables Available	Bind Variables Mapped
BIND1	BIND1

Ok Cancel

Internal External Combined

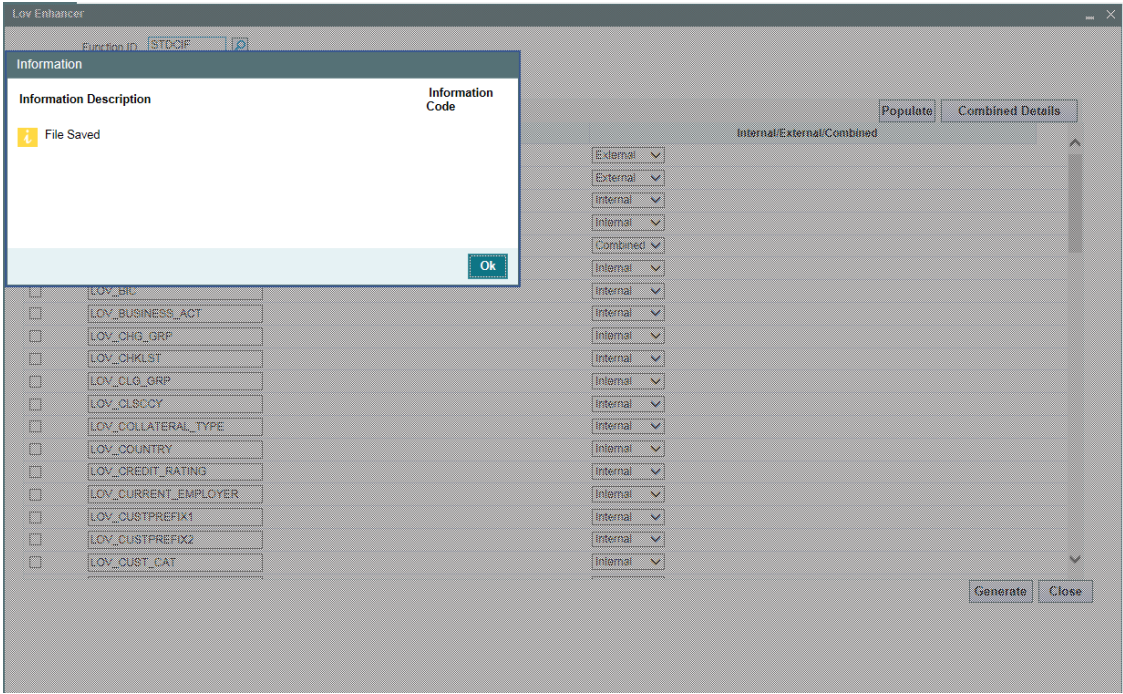
Populate Combined Details

Generate Close

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;
```

Figure 1-4 Information



Glossary

Index