# Oracle® Banking Treasury Management
# Lov's Changes for Handling High Volumes

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Oracle Banking Treasury Management Lov's Changes for Handling High Volumes, Release 14.8.0.0.0

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# Preface

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

## Purpose

This manual is designed to help FLEXCUBE Application developers/users to familiarize with ORACLE FLEXCUBE Development Workbench.

## Audience

This guide is intended for the following User/User Roles:

**Table 1    Audience**

| Role | Function |
|------|----------|
| Back office data entry clerk | Input functions for funds |
| Back office managers/officers | Authorization functions |
| Product Managers | Product definition and authorization |
| End of day operators | Processing during end of day / beginning of day |

## 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.

# Documentation Accessibility

For information about Oracle's commitment to accessibility, visit the Oracle Accessibility Program website at http://www.oracle.com/pls/topic/lookup?ctx=acc&id=docacc.

**Access to Oracle Support**

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# 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 2    Basic Actions**

| Action | Description |
|---|---|
| **Approve** | Used to approve the initiated report.<br>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.<br>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.<br>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.<br>This button is displayed in the widget, once the user click **Authorize**. |
| **Collapse All** | Used to hide the details in the sections.<br>This button is displayed, once the user click **Compare**. |
| **Expand All** | Used to expand and view all the details in the sections.<br>This button is displayed, once the user click **Compare**. |
| **New** | Used to add a new record.<br>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. |

**Table 2    (Cont.) Basic Actions**

| Action | Description |
| --- | --- |
| **View** | Used to view the report details in a particular modification stage.<br>This button is displayed in the widget, once the user click **Authorize**. |
| **View Difference only** | Used to view a comparison through the field element values of old record and the current record, which has undergone changes.<br>This button is displayed, once the user click **Compare**. |
| **Unlock** | Used to update the details of an existing record.<br>System displays an existing record in editable mode. |

# Related Documents

For more information refer to the Oracle Banking manuals on:

- Development of Launch Forms and Others Screens

- Enterprise Collaterals User Guide

- Enterprise Limits and Collaterals Common User Guide

# Conventions

The following text conventions are used in this document:

| 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. |

# 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 |
|  | 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 |

**Table 3    (Cont.) Symbols and Icons - Common**

| Symbol/Icon | Function |
|---|---|
| ▶ | Navigate to the next record |
| | 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.

# 1
# List of Values

This topic provides an overview of the List of Values.

Oracle FLEXCUBE Universal Banking Development Workbench provides the developer with a user-friendly console for defining LOV's of Oracle FLEXCUBE Universal Banking handling the high volume data with the following parameters. Following parameters/features are introduced for handling such LOVs:

* **Exact Fetch**
* **Is Mandatory**
* **Minimum number of Search Character**

**Exact Fetch**

If the Block field is of **Display Type LOV** , the developer can choose the exact fetch parameter for search optimization (in High Volume). If the **Exact Fetch** parameter is selected, the user has to provide the exact values of the field as it is present in the Database, otherwise, the system will throw the error message as an invalid value. Wildcard Searches are not permitted.

For Example: Entering 98712 in the Account Number field will fetch value only if an account with that particular number exists. In the Normal case, all account numbers beginning with the search pattern would be retrieved.

**Figure 1-1    Block Field Properties- LOV**

**Figure 1-2    Select Fields- Webpage Dialog**



**Figure 1-3    Information Message**



**Is Mandatory**

This parameter should be specified during the definition of LOV in Open Development Tool. If this parameter is selected, then total wild card search (by providing blank or % in reduction fields) won't be allowed on fields where the particular LOV is attached.

In the LOV definition screen, **Is Mandatory** option would be enabled for all Reduction Fields. This feature is not available for Global LOVs.

**Minimum Search Character Length**

If **Is Mandatory** is selected as **Yes** for any reduction field, Open Development Tool will ask for minimum search character length. By default, the value is 3.

If the field is mandatory and minimum search character length is given as n, then while searching, the user has to enter a minimum of n characters to search a particular value otherwise the system will show an error message.

Any value less than 3 will not be accepted. Open Development Tool will show an alert message in case of any rule violation. This feature is not available for Global LOVs.

Example: Customer LOV should allow searches based on is Mandatory and Minimum no of Character search character fields only and total wild card search should not be allowed.

The figure below illustrates **Is Mandatory** and **Minimum number of Search Character** fields in Open Development Tool.

**Figure 1-4    List Of Values Details**

**Figure 1-5    LOV Definitions- Webpage Dialog**



**Figure 1-6    List Of Values Credit Account**
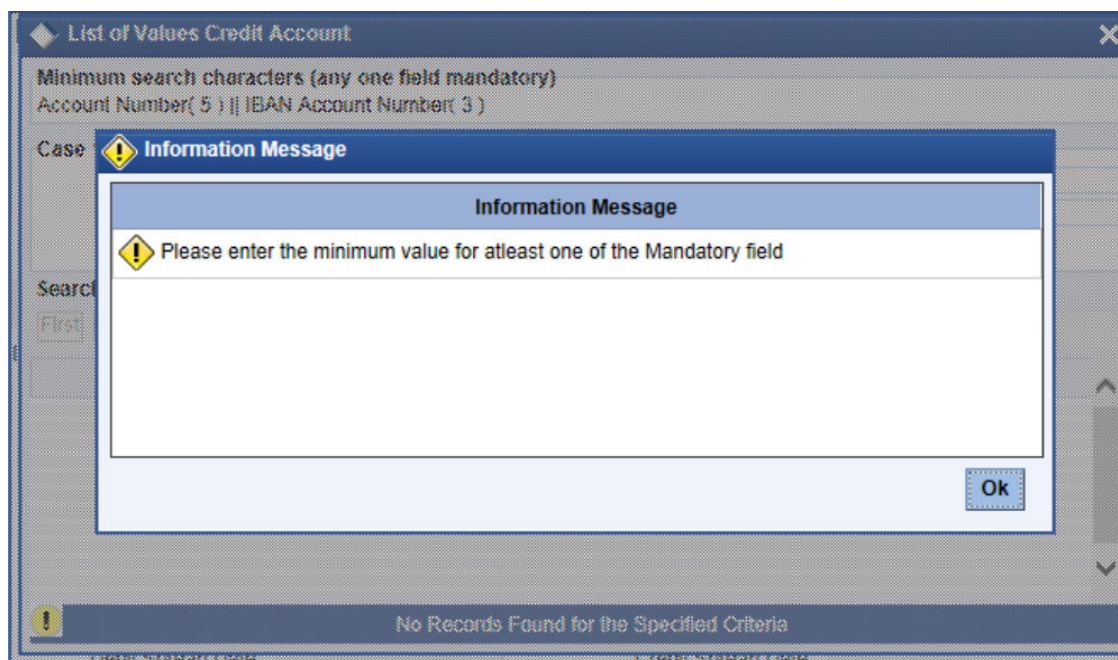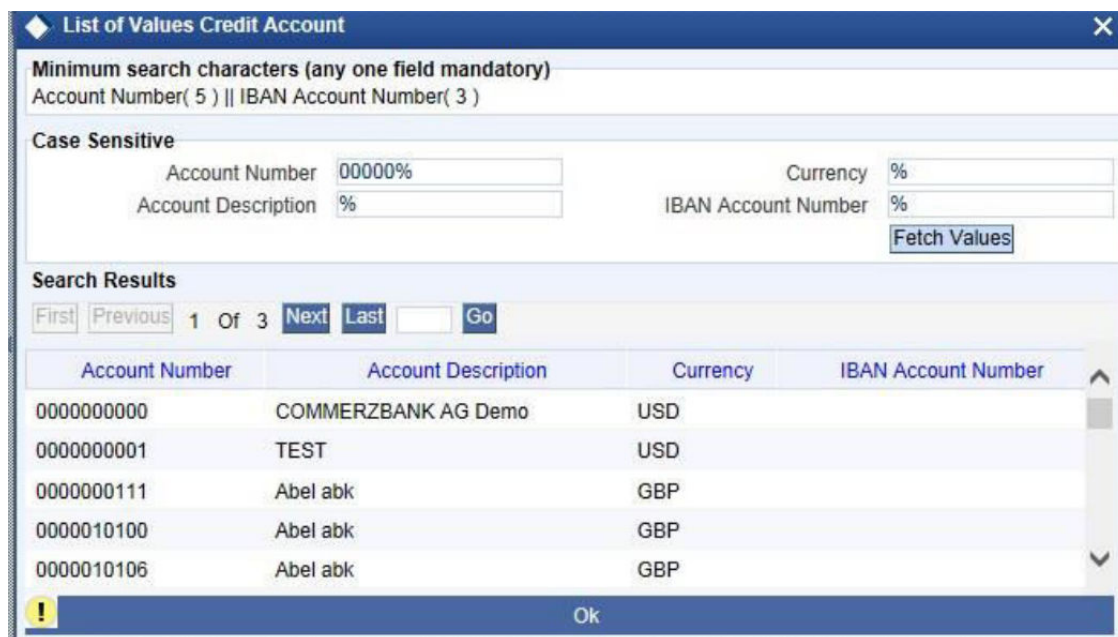
**Figure 1-7    Information Message**



**Figure 1-8    List Of Values Credit Account**

# 2

# Summary Query performance Enhancements

This topic provides an overview of summary query performance enhancements for handling the high volume data.

Oracle FLEXCUBE Universal Banking Development Workbench provides the developer with a user-friendly console for defining criteria-based search for handling the high volume data with the following parameters. Following parameters/features are introduced for handling criteria-based search:

- **Criteria Based Search**
- **Minimum number of Search Characters**
- **LOV Details**

**Criteria Based Search**

**Criteria Based Search** is present in the **Summary** screen. If the user wants to enable a **Criteria Based Search** feature for the **Summary** screen, check the check box for a **Criteria Based Search**. Then on click **Property**, the user will have to provide the minimum search character length for that field.

**Minimum number of Search Characters**

If the user wants to provide minimum search character length for the LOV for handing high volume data, the user has this option to provide a minimum number of characters required for the LOV to fetch the result of LOV. If the user is not providing a minimum number of characters of the LOV while querying in the **Summary** screen then get an error message to provide minimum search character length. There is a restriction to this field, if the user enters a value that is greater than the value of the field in the data source level, then Open Development Tool will not allow it, it will throw an error message.

**LOV Details**

If a particular summary field needs to be attached to a LOV then the user has to provide these details on click **Property**. The user can map the corresponding return fields and the related bind variables. Click **Default** from LOV, and then select the required query columns, then choose the corresponding **Block Name** and the **Return Field Name**.