

Development Workbench Performance Tuning Enhancements
Oracle FLEXCUBE Investor Servicing

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1. Preface

This document describes the LOVs Defining for handling the high volume data using Oracle FLEXCUBE Development Workbench for Universal Banking.

1.1 Introduction

This Document explains the steps to Definition/Modification of LOVs for handling high volume data using the Oracle FLEXCUBE Development Workbench for Universal Banking

List of Values

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

- Exact fetch
- Is Mandatory
- Minimum no of Search Character

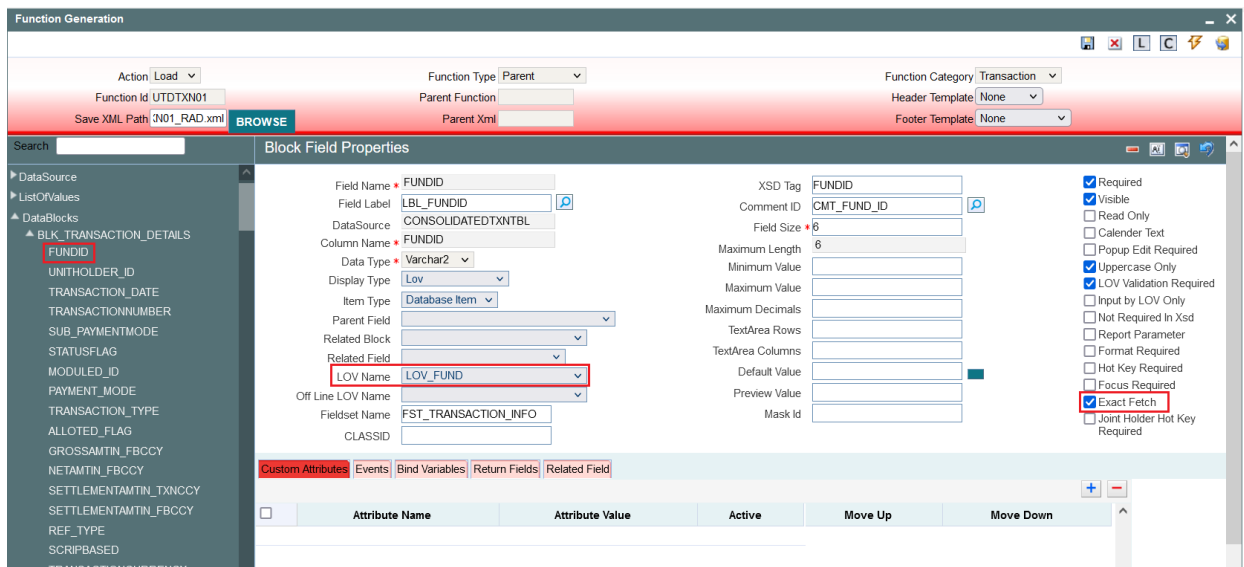
Exact Fetch

If the Block field is of display type LOV, developer can choose the exact fetch parameter for search optimization (in High Volume).

If **exact fetch** parameter is selected, user has to provide the exact values of the field as it is present in Database; otherwise system will throw the error message as invalid value.

Wildcard Searches are not permitted

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



Information Message Window

The screenshot displays a web browser window with the Oracle logo and a URL: <https://100.76.155.96:7006/FCISNeoWebSwift/SMMDFRM.jsp?chgbm=true&loggedInTime=1670392115571>. The page title is "FCIS IPO Subscription Detail". The main content area is a form with several sections:

- Transaction Information:** Includes fields for Unit Holder ID (406619), Fund ID, Order Received Date, Order Received Time Zone (SER), Transaction Date (2015-01-06), and Payment Mode.
- Transaction Value:** Includes fields for Transaction Number, Transaction Currency, Reference Number, Order Received Time (HH24:MI), Transaction Mode (Amount), Units Applied, Amount Applied, and Percent Applied.
- Buttons:** "Find UH", "UH Deal", "UH Signature", "Enrich Transaction", and "Reset Transaction".
- Information Message Dialog:** A modal window with the text: "More records available. Please enter the exact value for the field or query from the LOV." and an "Ok" button.

Is Mandatory

This parameter should be specified during definition of LOV in ODT.

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 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, ODT will ask for minimum search character length. By default the value is 3.

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

Any value less than 3 will not be accepted. ODT will show 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

Figure below illustrates **Is Mandatory** and **Min No. of Search Characters** fields in ODT

Function Generation

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

Function Id: UTDDVOID | Parent Function: | Header Template: None

Save XML Path: /OID_RAD.xml | BROWSE | Parent Xml: | Footer Template: Maint Audit

List Of Values Details

LOV Name: LOV_CCY

LOV Query: SELECT CURRENCYCODE,CURRENCYNAME FROM CURRENCYTBL

LOV Type: Internal

Populate

| Query Columns | Data Type | Visible | Reduction Field | Reduction Field Type | Reduction/Column Label | Is Mandatory | Min No. of Se |
|---------------|-----------|---------|-----------------|----------------------|------------------------|--------------|---------------|
| CURRENCYCODE | VARCHAR2 | Yes | Yes | TEXT | LBL_CURRENCYCODE | Yes | 3 |
| CURRENCYNAME | VARCHAR2 | Yes | Yes | TEXT | LBL_CURRENCYNAME | Yes | 3 |

2. Summary Query performance Enhancements

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

The screenshot displays the 'Summary Details' configuration window in Oracle FLEXCUBE Development Workbench. The 'Criteria Based Search' checkbox is checked. The 'Min Char Details' section shows 'Min search char length' set to 3. The 'Lov Details' section shows 'LOV Name' set to 'LOV_CUSTOMERNO'. The 'Return Fields Mapping' table is shown below:

| Query Column | Block Name | Return Field Name |
|--|-------------|-------------------|
| <input type="checkbox"/> CUSTOMER_NO | BLK_SUMMARY | CIFNUMBER |
| <input checked="" type="checkbox"/> CUSTOMER_NAME1 | BLK_SUMMARY | |

- Criteria Based Search
- Minimum number of Search Characters
- Lov Details

Criteria Based Search

Criteria based search is present in the summary screen. If you want to enable criteria based search feature for the summary screen, you can check the check box for criteria based search. Then on click of the property button you will have to provide the minimum search character length for that field.

Minimum number of Search Characters

If you want to provide minimum search character length for the lov for handing high volume data, you have this option to provide a minimum number of characters required for the lov to fetch the result of lov. If you are not providing minimum number of character of the lov while querying in summary screen then you will get an error message to provide minimum search character length.

There is a restriction to this field, if you enter a value which is greater than the value of the field in the data source level then ODT won't allow you, it will throw an error message.

Lov Details

If a particular summary field needs to be attached to a lov then user has to provide these details on click of the property button. You can map the corresponding return fields and the related bind variables. You have to click default from lov then select the required query columns then choose corresponding block name and the return field name.



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