LOV's Changes for handling high volumes

Oracle FLEXCUBE Universal Banking

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FINANCIAL SERVICES

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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.

2 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

3 List of Values

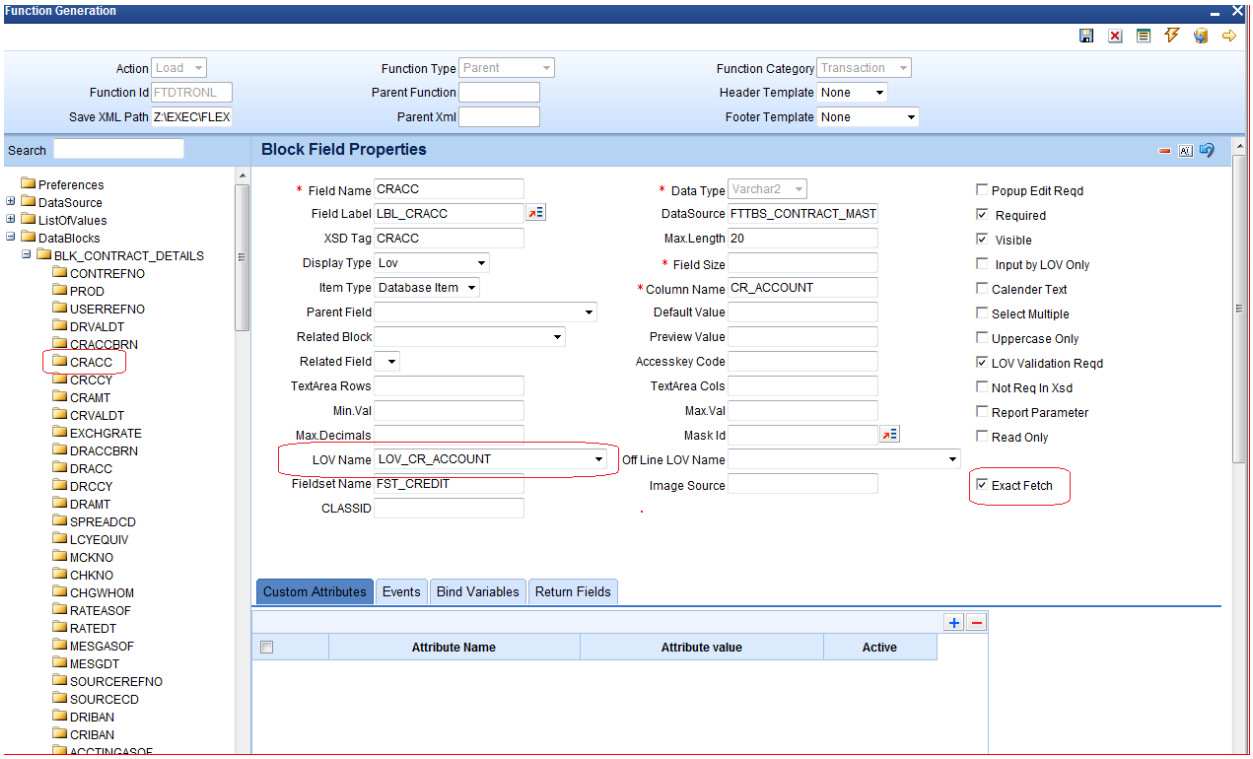
Oracle FLEXCUBE Development Workbench provides the developer with a user friendly console for defining a LOV's of FCUBS handling the high volume data with following parameters
Following parameters/features are introduced for handling such LOVs.

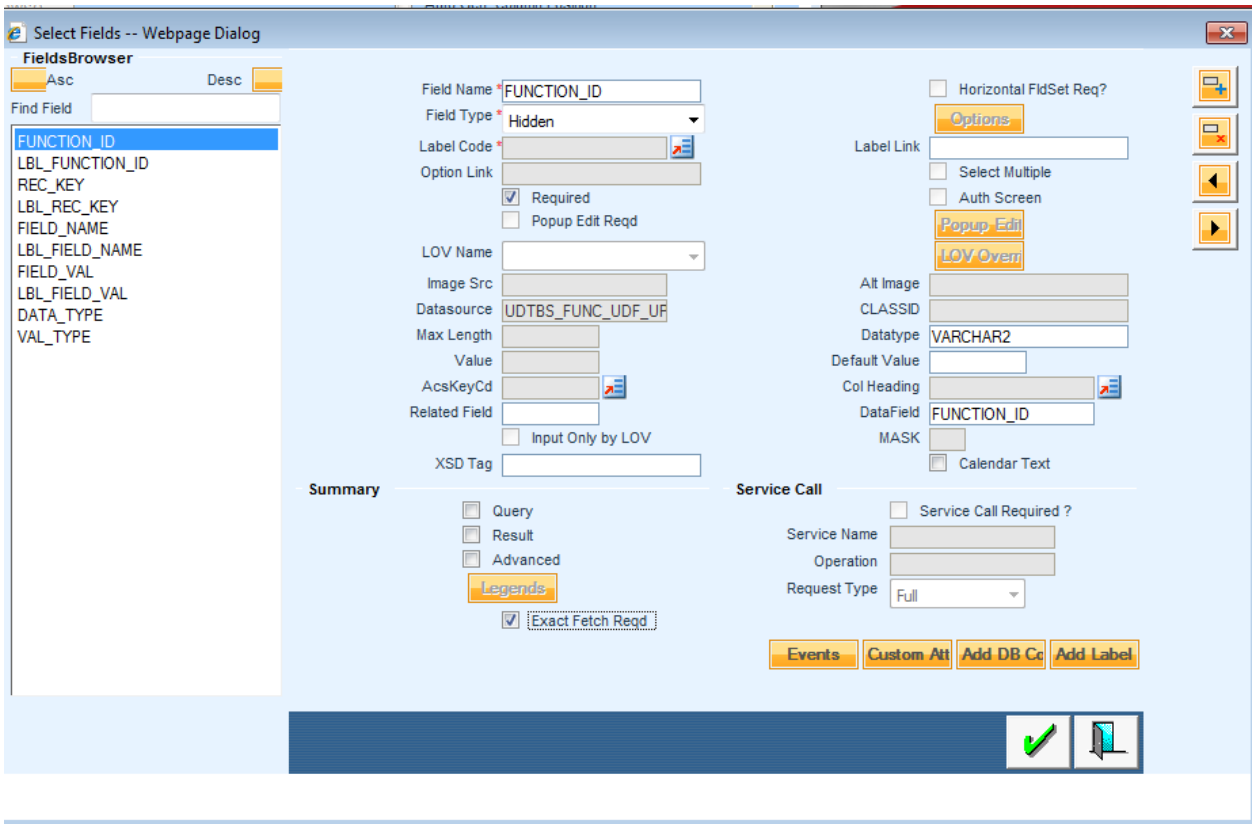
- Exact fetch
- Is Mandatory
- Minimum no of Search Character

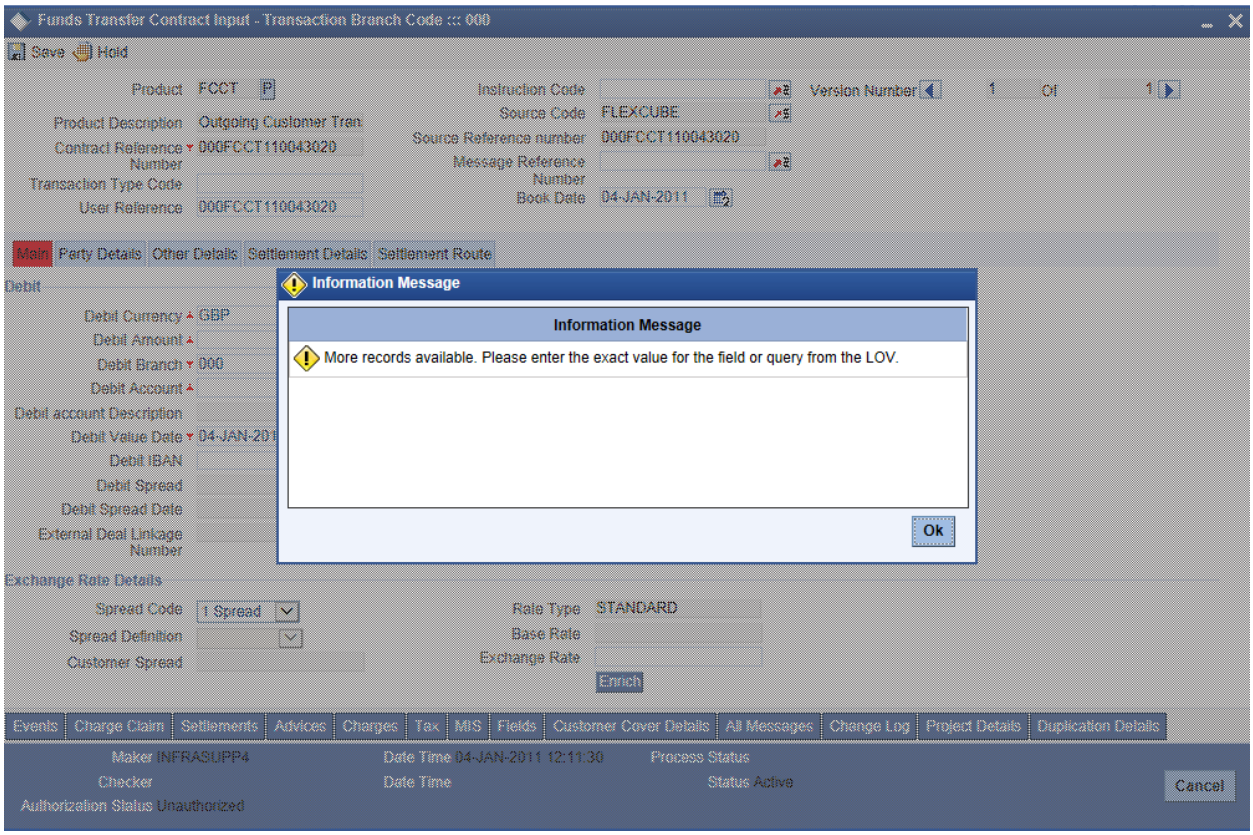
3.1 Exact Fetch:

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


Function Generation
Action Load
Function Id FTDTRONL
Save XML Path Z:\EXEC\FLEX
Function Type Parent
Parent Function
Parent Xml
Function Category Transaction
Header Template None
Footer Template None
Search
Block Field Properties
Preferences
DataSource
ListOfValues
DataBlocks
BLK_CONTRACT_DETAILS
CONTREFNO
PROD
USERREFNO
DRVALDT
CRACCBRN
CRACC
CRCCY
CRAMT
CRVALDT
EXCHGRATE
DRACCBRN
DRACC
DRCCY
DRAMT
SPREADCD
LCYEQUIV
MCKNO
CHKNO
CHGWHOM
RATEASOF
RATEDT
MESGASOF
MESGDT
SOURCEREFNO
SOURCECD
DRIBAN
CRIBAN
* Field Name CRACC
Field Label LBL_CRACC
XSD Tag CRACC
Display Type Lov
Item Type Database Item
Parent Field
Related Block
Related Field
TextArea Rows
Min.Val
Max.Decimals
LOV Name LOV_CR_ACCOUNT
Fieldset Name FST_CREDIT
CLASSID
* Data Type Varchar2
DataSource FTTBS_CONTRACT_MAST
Max.Length 20
* Field Size
* Column Name CR_ACCOUNT
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
Calender Text
Select Multiple
Uppercase Only
LOV Validation Reqd
Not Req In Xsd
Report Parameter
Read Only
Exact Fetch
Custom Attributes
Events
Bind Variables
Return Fields
Attribute Name
Attribute value
Active


Select Fields -- Webpage Dialog
FieldsBrowser
Asc
Desc
Find Field
FUNCTION_ID
LBL_FUNCTION_ID
REC_KEY
LBL_REC_KEY
FIELD_NAME
LBL_FIELD_NAME
FIELD_VAL
LBL_FIELD_VAL
DATA_TYPE
VAL_TYPE
Field Name * FUNCTION_ID
Field Type * Hidden
Label Code *
Option Link
Required
Popup Edit Reqd
LOV Name
Image Src
Datasource UDTBS_FUNC_UDF_UF
Max Length
Value
AcsKeyCd
Related Field
Input Only by LOV
XSD Tag
Horizontal FldSet Req?
Options
Label Link
Select Multiple
Auth Screen
Popup Edit
LOV Overr
Alt Image
CLASSID
Datatype VARCHAR2
Default Value
Col Heading
DataField FUNCTION_ID
MASK
Calendar Text
Summary
Query
Result
Advanced
Legends
Exact Fetch Reqd
Service Call
Service Call Required ?
Service Name
Operation
Request Type Full
Events
Custom Att
Add DB Co
Add Label



3.2 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.

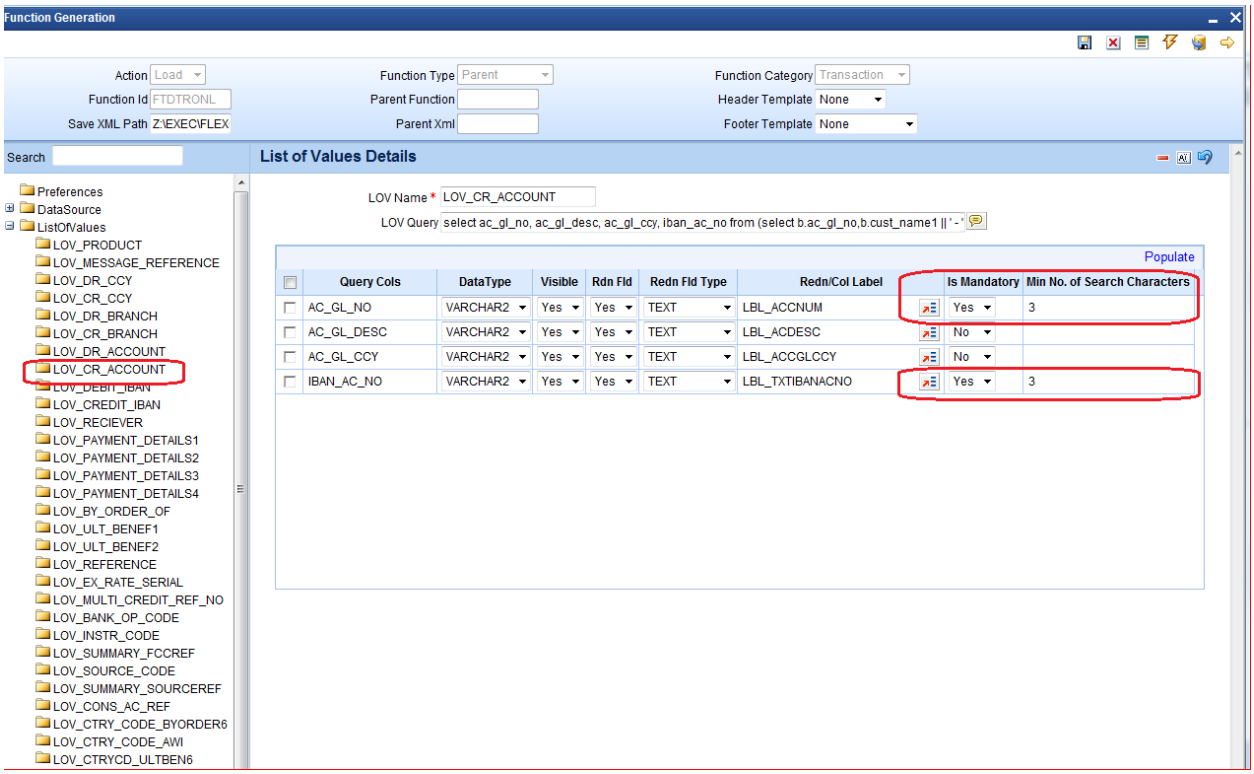
In LOV definition screen, ***is mandatory*** option would be enabled for all Reduction Fields.
This feature is not available for Global LOVs.

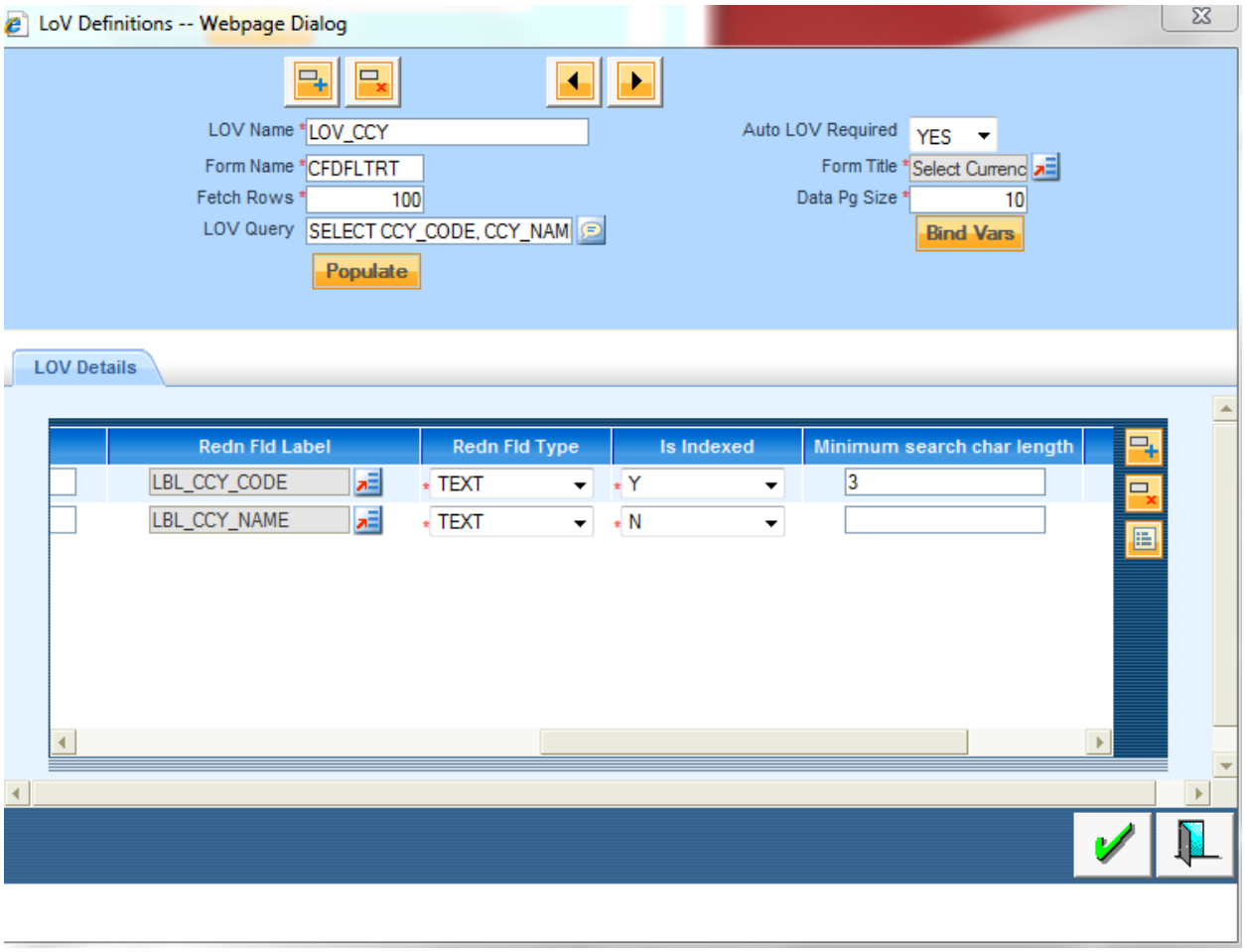
3.3 Minimum Search Character Length

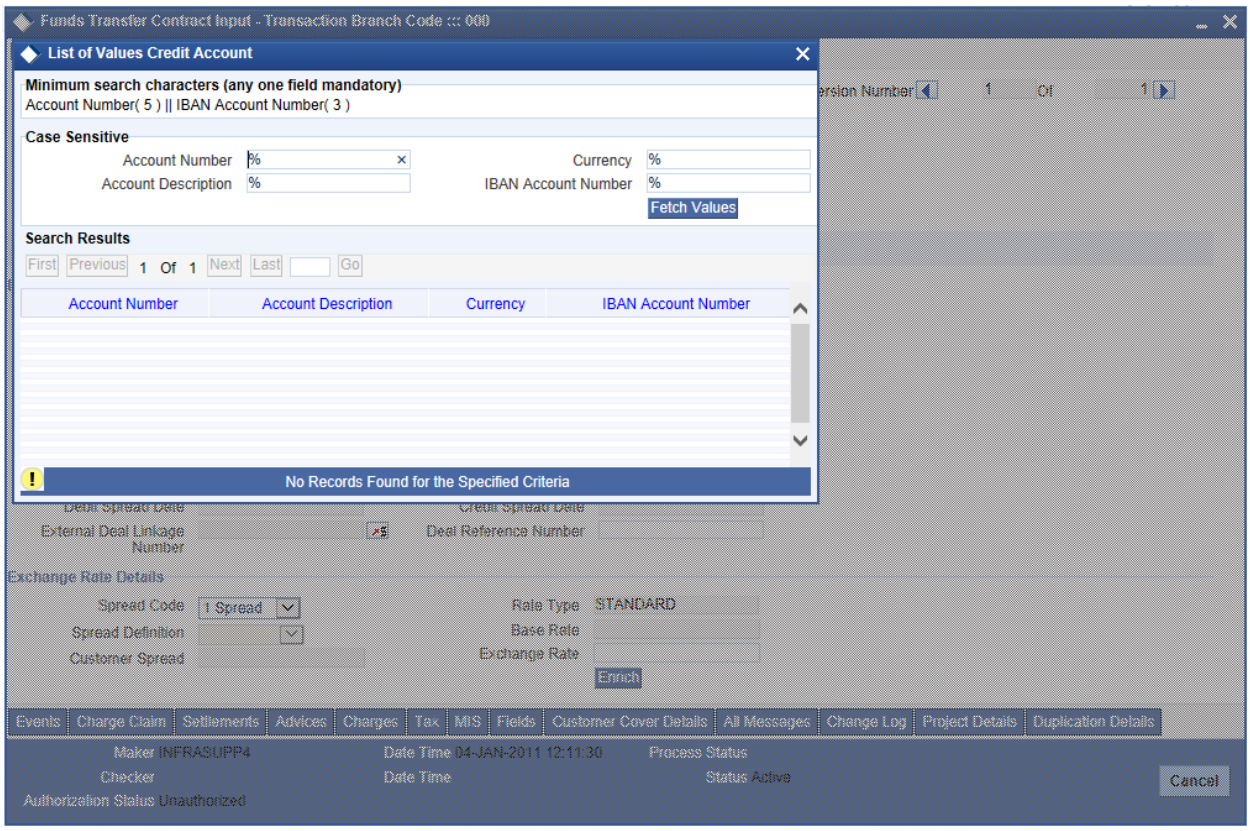
If ' ***Is mandatory*** ' is selected as yes for any reduction field , ODT will ask for minimum search character length. By default the value is 3.
If field is mandatory and minimum search character length is given as n , then while searching, user has to enter minimum of n characters in order to search 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

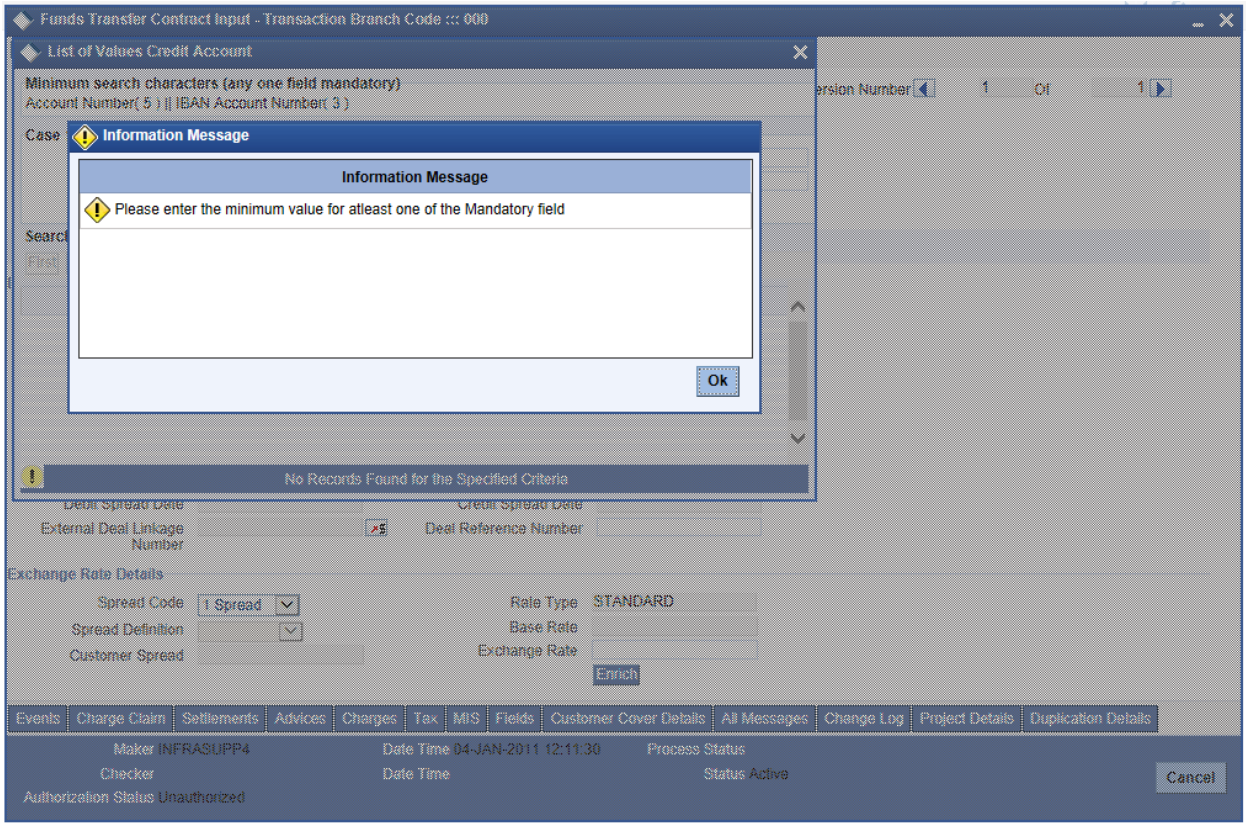
Example : Customer LOV should allow searches based on is Mandatory and Minimum no of Character search character fields only and total wild card search should not be allowed

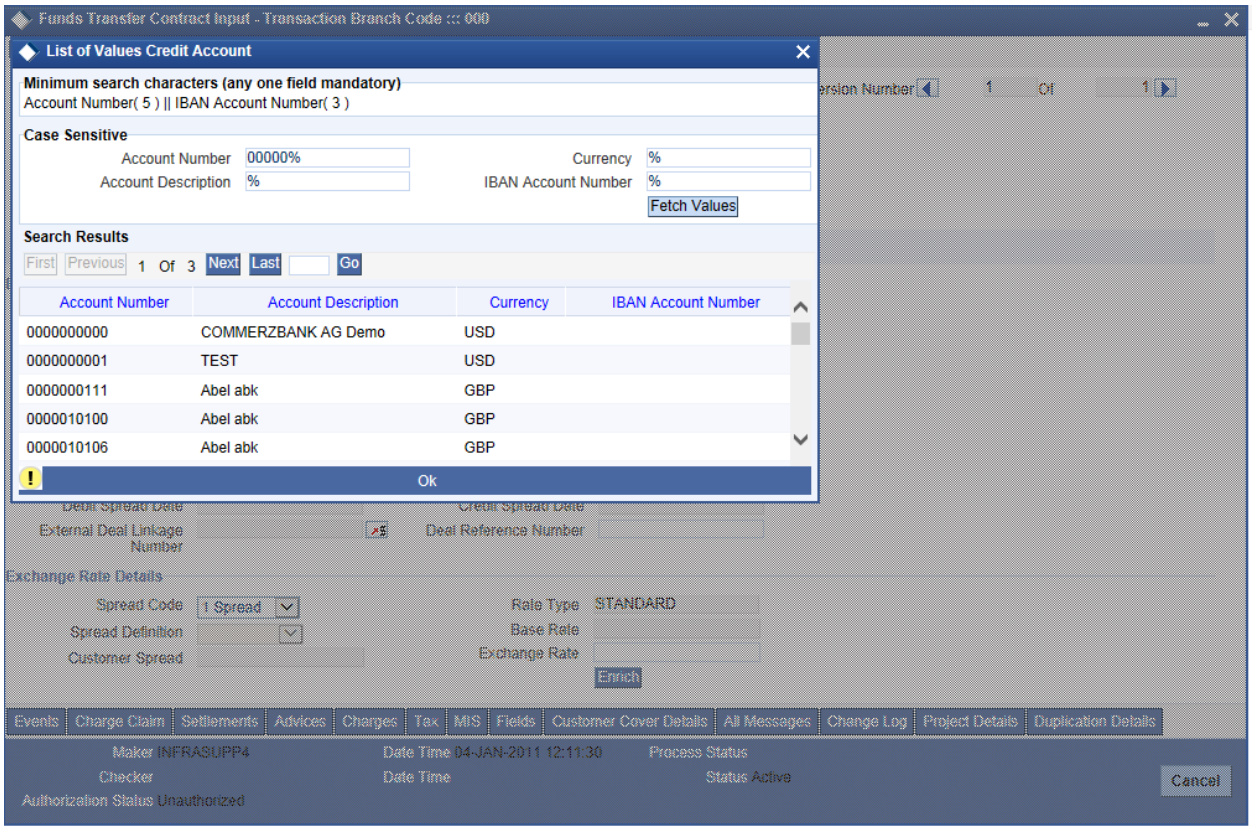
Figure below illustrates ***Is Mandatory*** and ***Min No. of Search Characters*** fields in ODT


Function Generation
Action Load
Function Id FTDTRONL
Save XML Path Z:\EXEC\FLEX
Function Type Parent
Parent Function
Parent Xml
Function Category Transaction
Header Template None
Footer Template None
Search
Preferences
DataSource
ListOfValues
LOV_PRODUCT
LOV_MESSAGE_REFERENCE
LOV_DR_CCY
LOV_CR_CCY
LOV_DR_BRANCH
LOV_CR_BRANCH
LOV_DR_ACCOUNT
LOV_CR_ACCOUNT
LOV_CREDIT_IBAN
LOV_RECIEVER
LOV_PAYMENT_DETAILS1
LOV_PAYMENT_DETAILS2
LOV_PAYMENT_DETAILS3
LOV_PAYMENT_DETAILS4
LOV_BY_ORDER_OF
LOV_ULT_BENEF1
LOV_ULT_BENEF2
LOV_REFERENCE
LOV_EX_RATE_SERIAL
LOV_MULTI_CREDIT_REF_NO
LOV_BANK_OP_CODE
LOV_INSTR_CODE
LOV_SUMMARY_FCCREF
LOV_SOURCE_CODE
LOV_SUMMARY_SOURCEREF
LOV_CONS_AC_REF
LOV_CTRY_CODE_BYORDER6
LOV_CTRY_CODE_AWI
LOV_CTRYCD_ULTBEN6
List of Values Details
LOV Name * LOV_CR_ACCOUNT
LOV Query select ac_gl_no, ac_gl_desc, ac_gl_ccy, iban_ac_no from (select b.ac_gl_no,b.cust_name1 || ' - '
Populate
Query Cols
DataType
Visible
Rdn Fld
Redn Fld Type
Redn/Col Label
Is Mandatory
Min No. of Search Characters
AC_GL_NO VARCHAR2 Yes Yes TEXT LBL_ACCNUM Yes 3
AC_GL_DESC VARCHAR2 Yes Yes TEXT LBL_ACDESC No
AC_GL_CCY VARCHAR2 Yes Yes TEXT LBL_ACCGLCCY No
IBAN_AC_NO VARCHAR2 Yes Yes TEXT LBL_TXTIBANACNO Yes 3


LoV Definitions -- Webpage Dialog
LOV Name *LOV_CCY
Form Name *CFDFLTRT
Fetch Rows *100
LOV Query SELECT CCY_CODE, CCY_NAM
Populate
Auto LOV Required YES
Form Title *Select Currenc
Data Pg Size *10
Bind Vars
LOV Details
Redn Fld Label
Redn Fld Type
Is Indexed
Minimum search char length
LBL_CCY_CODE
TEXT
Y
3
LBL_CCY_NAME
TEXT
N

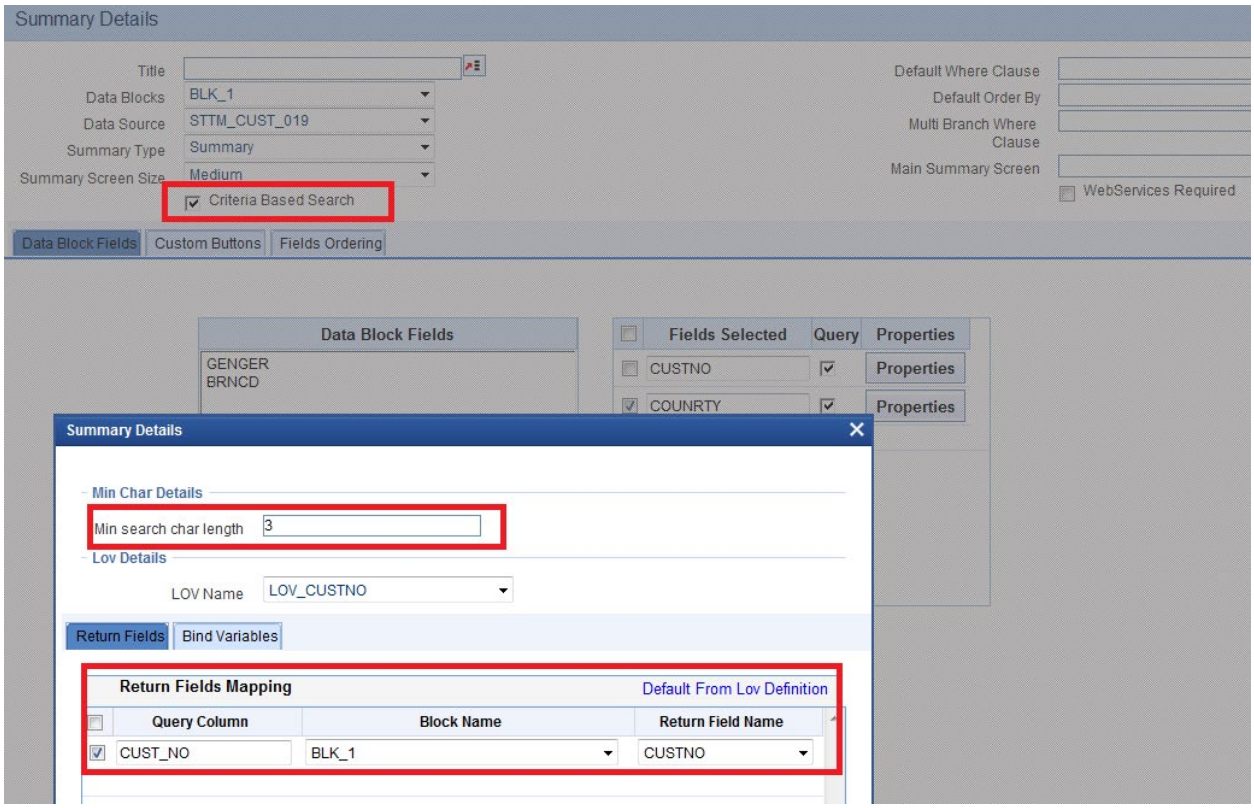

Funds Transfer Contract Input - Transaction Branch Code ::: 000
List of Values Credit Account
Minimum search characters (any one field mandatory)
Account Number(5) || IBAN Account Number(3)
Case Sensitive
Account Number
Account Description
Currency
IBAN Account Number
Fetch Values
Search Results
First Previous 1 Of 1 Next Last Go
Account Number
Account Description
Currency
IBAN Account Number
No Records Found for the Specified Criteria
External Deal Linkage Number
Deal Reference Number
Exchange Rate Details
Spread Code
Spread Definition
Customer Spread
Rate Type
Base Rate
Exchange Rate
Enrich
Events
Charge Claim
Settlements
Advices
Charges
Tax
MIS
Fields
Customer Cover Details
All Messages
Change Log
Project Details
Duplication Details
Maker INFRASUPP4
Date Time 04-JAN-2011 12:11:30
Process Status
Checker
Date Time
Status Active
Authorization Status Unauthorized
Cancel


Funds Transfer Contract Input - Transaction Branch Code ::: 000
List of Values Credit Account
Minimum search characters (any one field mandatory)
Account Number(5) || IBAN Account Number(3)
Information Message
Information Message
Please enter the minimum value for atleast one of the Mandatory field
Ok
No Records Found for the Specified Criteria
External Deal Linkage Number
Deal Reference Number
Exchange Rate Details
Spread Code
Spread Definition
Customer Spread
Rate Type
Base Rate
Exchange Rate
Enrich
Events
Charge Claim
Settlements
Advices
Charges
Tax
MIS
Fields
Customer Cover Details
All Messages
Change Log
Project Details
Duplication Details
Maker INFRASUPP4
Date Time 04-JAN-2011 12:11:30
Process Status
Checker
Date Time
Status Active
Authorization Status Unauthorized
Cancel



4 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.



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

4.1 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.

4.2 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 datasource level then ODT won't allow you, it will throw an error message.

4.3 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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