Lov's Changes for handling high volumes Oracle Banking Enterprise Limits and Collateral Management Release 14.5.0.0.0 Part No. F42399-01 [May] [2021]



FINANCIAL SERVICES

Table of Contents

1	Pref	ace	3
2	Intr	oduction	3
3	List	of Values	3
	3.1	Exact Fetch:	3
	3.2	Is Mandatory	5
	3.3	Minimum Search Character Length	5
4	Sum	nmary Query performance Enhancements	9
	4.1	Criteria Based Search	10
	4.2	Minimum number of Search Characters	10
	4.3	Lov Details	10

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								-	. ×
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Action Load	Function Type Parent	-	Function Category	Transaction 👻					
Function Id FTDTRONL	Parent Function		Header Template	None 🔻					
Save XML Path Z:\EXEC\FLEX	Parent Xml		Footer Template	None 👻					
Search	Block Field Properties						_	a 🔊	
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Preferences	* Field Name CRACC		* Data Type Varchar2 👻		Popup Edit Regd				
DataSource	Field Label LBL_CRACC	20	DataSource FTTBS_CONTRA	CT MAST	Required				
ListOfValues DataBlocks	XSD Tag CRACC		Max.Length 20	_	Visible				
BLK_CONTRACT_DETAILS									
CONTREFNO	Display Type Lov 👻		* Field Size		Input by LOV Only				
PROD	Item Type Database Item 👻		* Column Name CR_ACCOUNT		Calender Text				
USERREFNO	Parent Field	-	Default Value		Select Multiple				E
	Related Block	-	Preview Value		Uppercase Only				
CRACCBRN CRACC	Related Field -		Anneal key Onda						
		_	Accesskey Code		LOV Validation Req	1			
	TextArea Rows		TextArea Cols		🗌 Not Req In Xsd				
	Min.Val		Max.Val		Report Parameter				
EXCHGRATE	Max.Decimals	7	Mask Id	×E	Read Only				
DRACCBRN	LOV Name LOV_CR_ACCOUNT		Off Line LOV Name		▼				
DRACC		•							_
DRCCY	Fieldset Name FST_CREDIT		Image Source		Exact Fetch				
DRAMT	CLASSID								
	Custom Attributes Events Bind Variable	Return Fields							
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MESGASOF	Attribute Name		Attribute value	Active					
MESGDT									
SOURCEREFNO									
SOURCECD									
DRIBAN									
CRIBAN									

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FieldsBrowser		
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Find Field	Field Type * Hidden	Cptions
FUNCTION_ID	Label Code *	Label Link Select Multiple
LBL_FUNCTION_ID	Option Link	Select Multiple
REC_KEY		Auth Screen
LBL_REC_KEY		
FIELD_NAME	Popup Edit Reqd	Popup-Edit
LBL_FIELD_NAME	LOV Name	LOV Over
FIELD_VAL LBL_FIELD_VAL	Image Src	Alt Image
DATA TYPE	Datasource UDTBS_FUNC_UDF_UF	CLASSID
VAL_TYPE	Max Length	Datatype VARCHAR2
	Value	Default Value
	AcsKeyCd	Col Heading
	Related Field	DataField FUNCTION_ID
	Input Only by LOV	MASK
	XSD Tag	Calendar Text
	Summary	Service Call
	Query	Service Call Required ?
	Result	Service Name
	Advanced	Operation
	Legends	Request Type
	Exact Fetch Regd	
		Events Custom Att Add DB Cc Add Label

In the transfer Contract In	nput - Transaction Branch	Code ::: 000					×
💭 Save 🌙 Hold							
Product FCC Product Description Out Contract Reference ¥ 000 Number Transaction Type Code User Reference 000	tgoing Customer Tran	Instruction Code Source Code Source Reference Message Reference Number Book Date	FLEXCUBE 000FCCT110043020 04-JAN-2011	Version Number	1	or 1	
Main Party Details Other Deta	alls Settlement Details Sett	ement Route					
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Debit Currency & GBI Debit Amount & Debit Amount & Debit Account & Debit Account Description Debit Value Date ¥ 04- Debit IBAN Debit Spread Debit Spread Date External Deal Linkage Number) More records	Inforr s available. Please enter the	nation Message exact value for the field or	query from the LOV.			
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Events Charge Claim Settler	ments Advices Charges	Tex MIS Fields Custo	mer Cover Details All Me	ssages Change Log Proje	ct Details	Duplication Details	
Maker INFRASU Checker Authorization Status Unauthori		e Time 04-JAN-2011 12:11:3 le Time	30 Process Status Status A	plive		Cancel	

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



nction Generation															-
													×	17	9
Action Load		Function	Type Parent	-		Fun	ction Category Transaction	-							
Function Id FTDTRONL		Parent Fun	ction			Hea	ader Template None 🔻								
Save XML Path Z: EXEC FLEX		Paren	t Xml			Fo	ooter Template None	-							
arch	List o	f Values Details												- 2	a 🔊
Preferences DataSource		LOV Name	* LOV_CR_ACCO	UNT											
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LOV_PRODUCT															_
LOV_MESSAGE_REFERENCE														Popula	
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LOV_CR_BRANCH		AC_GL_DESC	VARCHAR2 -	Yes 🔻	Yes 👻	TEXT -	LBL_ACDESC	JE	No 🔻					_	
LOV_DR_ACCOUNT		AC_GL_CCY	VARCHAR2 -	Yes 🔻	Yes 👻	TEXT -	LBL_ACCGLCCY	75	No 🔻						
LOV_CR_ACCOUNT		IBAN_AC_NO	VARCHAR2 -	Yes 👻	Yes -	TEXT -	LBL TXTIBANACNO	73	Yes 👻	-	3			_	5
LOV_DEBIT_IBAN		10/10/10/10									·			_	1
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 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_BYORDER6															

LoV Definitions Webpage Dialog			23	3
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LOV Details				
	 Is Indexed Y → N →	Minimum search char length		
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Funds Transfer Contract Input -	Transaction Branch Code ::: 000				×
List of Values Credit Account			×		
Minimum search characters (any Account Number(5) IBAN Account				ersion Number 💽 1	or 1
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Search Results					
First Previous 1 Of 1 Next L	.ast Go				
Account Number	Account Description Cur	rency IBAN	Account Number		
			~		
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External Deal Linkage Number Exchange Rate Details		rence Number		-	
Spread Code 1 Spread Spread Definition Customer Spread		Rele Type STAND Base Rate xchange Rate	DARD		
Events Charge Claim Settlements	Advices Charges Tax MIS	Fields Customer Co	ver Details All Messages	Change Log Project Details	Duplication Details
Maker INFRASUPP4 Checker Authorization Status Unauthorization	Date Time 04-JA Date Time	N-2011 12:11:30	Process Status Status Active		Cancel

- Funds Transfer Contract Input - Transac	tion Branch Code tt 000			×
🔶 List of Values Credit Account		×		
Minimum search characters (any one field Account Number(5.) IEAN Account Number			ersion Number 🚺 1 Of	1 💽
Case 🕕 Information Message				
	Information Message			
Please enter the minimum valu	e for atleast one of the Mandatory field			
		Ok		
8 8	tecords Found for the Specified Criteria			
External Deal Linkage Number	Credit Spread Date			
Exchange Rate Details				
Spread Code 1 Spread Spread Definition	Rele Type Base Rate	STANDARD		
Customer Spread	Exchange Rate	Enrich		
Events Charge Claim Settlements Advice	rs Charges Tax MIS Fields Custo	mer Cover Details All Messages	Change Log Project Details Duplication Dela	ils
Maker INFRASUPP4 Checker Authorization Status Unauthorized	Date Time 04-JAN-2011 12:11: Date Time	30 Process Status Status Active		Cancel

🚸 Funds Transfer Contr	act Input - Transaction Bra	nch Code ::: 000							>
🔶 List of Values Credit	Account				×				
Minimum search charac Account Number(5) IB	cters (any one field mandato AN Account Number(3)	ory)				ersion Number 🚺	1	01	1 🔊
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Account Number	Account Descript	tion Currency	IBAN	Account Number	~				
000000000	COMMERZBANK AG Dem	o USD							
000000001	TEST	USD							
000000111	Abel abk	GBP							
0000010100	Abel abk	GBP							
0000010106	Abel abk	GBP			\sim				
<u>.</u>		Ok							
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xchange Rate Details									
Spread Code Spread Definition	1 Spread	Rele Ty Base Ro Exchange Ra		RD					
Customer Spread		-	Enrich						
Events Charge Claim S	Settlements Advices Char	jes Tax MIS Fields C	Justomer Cave	r Details All Mes	sages	Change Log Projec	1 Details	Duplication	Details
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Checker Authorization Status Unat	athorized			Status Act	ive				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.



mary De	etails								
	Title			# E			Default Whe	re Clause	
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mary Scree	en Size Medi	um		•			Main Summa	ary Screen	
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- 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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