Development Workbench – Screen Customizer Oracle Banking Enterprise Limits and Collateral Management Release 14.7.0.0.0 Part No. F75024-01 [November] [2022]



Contents

1	Pre	face	3
	1.1	Audience	3
	1.2	Related Documents	3
2	Intro	oduction	3
3	Scr	een Customizer	4
	3.1	DataBlocks	4
	3.1.	1 Data Block Field	4
	3.2	Screens	5
	3.3	FieldSet	6
4	Ger	nerated Units	6
5	Exa	Imples	7

1 Preface

This document describes the Screen Customizer functionality available in Oracle FLEXCUBE Development Workbench for Universal Banking and guides the developers on how to use this feature.

1.1 Audience

This document is intended for FLEXCUBE Application developers/users that use Development Workbench to develop various FLEXCUBE components.

To Use this manual, you need conceptual and working knowledge of the below:

Proficiency	Resources
FLEXCUBE Functional Architecture	Training programs from Oracle Financial Software Services.
FLEXCUBE Technical Architecture	Training programs from Oracle Financial Software Services.
FLEXCUBE Object Naming conventions	Development Overview Guide
Working knowledge of Web based applications	Self Acquired
Working knowledge of Oracle Database	Oracle Documentations
Working knowledge of XML files	Self Acquired
Working Knowledge of Oracle FLEXCUBE Development Workbench for Universal Banking	User Manuals

1.2 Related Documents

<u>04-Development_WorkBench_Screen_Development-I.docx</u> <u>05-Development_WorkBench_Screen_Development-II.docx</u>

2 Introduction

This document gives information about the following topics:

- <u>Chapter 2 , "Introduction"</u>
- Chapter 3 , "Screen Customizer"
- <u>Chapter 4</u>, "File Generation"

3 Screen Customizer

The Oracle FLEXCUBE Development Workbench Screen Customizer allows users to do UI changes on a screen. If only the screen layout of the function id has to be modified, developer can use the Screen Customizer feature rather than Function Generation feature.

Only the screen layout changes and UI field properties will be allowed to change in the Screen Customizer

Note : Only Load action is possible in Screen Customizer.

Only three nodes will be present in Screen Customizer as shown in the figure

Screen Custoniization					× =	V	9	4
Action Load -	Function Type	-	unction Category Maintenanc					
Function Id STDCIF	Parent Function		leader Template None 👻					
Save XML Path STDCIF_RAD	BROWSE Parent Xml		Footer Template Maint Audit	•				
Search								4
🗉 🚞 DataBlocks								
HeidSets								
								-

Fig 3.1: Screen Customizer Screen

3.1 DataBlocks

Data Block properties would not be allowed to change in Screen Customizer. New Data Blocks and Block Fields also cannot be added. Deletion/Renaming of blocks and fields are also not allowed in Screen Customizer

3.1.1 Data Block Field

Screen Customization				
				🖫 🗵 🗏 🖗 🗐
Action Load Function Id STDCIF Save XML Path STDCIF_RAD,	Function Type Parent Parent Function BROWSE Parent Xml Read Field Descention	• 	Function Category Ma Header Template No Footer Template Ma	aint Audit 👻
Search	Block Field Properties			a 4
DataBlocks BLK_CUSTORER BLK_CUSTPERSONAL BLK_CUSTCORP BLK_CUSTCORPOIR BLK_CUSTCOCPOIR BLK_CUSTDOC_CHKLIST BLK_DOCTYPE_REMARKS BLK_CUSTGHOLD BLK_CUSTSHHOLD BLK_CUSTSHHOLD BLK_CUSTSHHOLD BLK_SUERDFT BLK_ISSUERDET BLK_ISSUERDET BLK_ISSUERDET BLK_SUSTENTS BLK_EIC BLK_SIC BLK_S	Field Name + FLDNAM Field Label BL_FLDNAM DataSource STWS_CUST_LIAB_UDF Column Name + FIELD_NAME Data Type + Varchar2 -> Display Type Item Type Database Item -> Parent Field Related Field -> LOV Name Off Line LOV Name Fieldset Name FST_LIAB_UDF Custom Attributes Events Related Field	XSD Tag XSD Annotation Field Size 4 Maximum Length Minimum Value Maximum Decimals TextArea Rows TextArea Columns Default Value Preview Value Mask Id	FLDNAM	Required Visible Read Only Calender Text Popup Edit Require Uppercase Only LOV Validation Required Input by LOV Only Not Required In Xax Report Parameter
⊞ □ BLK_LIAB_SCORE ⊞ □ BLK_LIAB_RATING	Attribute Name	Attribute Value	Active	Position
a) BLK_LIAB_UDF → BLK_LIAB_UDF → FLDVAL → DLATYP → VALTYP → SLK_CUSTSEGMENT → Steens → FieldSets				

User will be allowed to change below properties at data block field level.

- Display Type
- Field Size
- Preview Value
- Popup Edit Required
- Visible
- Upper Case only
- Read Only

3.2 Screens

All the actions can be performed in the Screen level. Developer can add, modify, delete, and rename the screens, tabs and sections.

Note that deletion and renaming will be allowed only if the element is created in the working release.

3.3 FieldSet

			7
			E 77 🧐
Action Load 👻	Function Type Parent	Function Category Maintenance	
Function Id STDCIF	Parent Function	Header Template None	
Save XML Path STDCIF_RAD.	BROWSE Parent Xml	Footer Template Maint Audit	
earch	Fieldset Properties		- A 🧳
	Fieldset reported Fieldset Name FST_HEADER1 Fieldset Label Data Block BLK_CUSTOMER Multi Record No ~ View Type Single ~ Fieldset Height Data Block Fields CIFCREATIONDT BTN_SIN BTN_SI	Screen Portion Header	ontal Fieldset Only ation Button

Fig 3.3.1: Field sets in Screen Customizer

In fieldset developer can change screen properties, display type from Vertical to Horizontal, read-only property etc. *Data Block to which field set is attached cannot be changed*.

Field set fields can be re arranged as per requirement.

4 Generated Units

Development Workbench will generate only UI related units in Screen Customizer 1. Radxml

2. Screen Xml (i.e. Lang Xml)

3. System JS (JavaScript File)

Deploy language xml and system JavaScript file in FLEXCUBE application server to reflect the changes done to the function id in Screen Customizer

Screen Cust Generate	omizatio	0																			8	4 🔳 1	 7 🌖 (
	Front-End	Files			System Pa	aokages			Hook	Paokages					Meta Da	a					Others		*
Image: Strategy and Strateg				ody gers ⊱Spec	Kemel Package Spec Menu Details Kemel Package Body Dalasource Details Cluster Package Spec LOV Delails Cluster Package Body Block Details Cluster Package Spec Screen Delails Custorn Package Body Amendable Delails Custorn Package Body Amendable Delails						Details S Ills		Label Det Block PK Function (Gateway I Notification Function I	Columns Call Form Details in Details	IS	Xsds Xsd With Annotations Screen Html Upload Table Trigger Upload Tables Definition Archive Table Definition							
							Informat	tion										×					
	No							Error Description Image: Im							E	rror Code	e	^	Status				
1		STE	CIF.xml												R	RD-SAVE-007				Generalad +			
2			CIF SYS	Lis																	-		
3		STE	ICIF_RAD).xml															Genera		•		
																	0						
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																					Gene	rate	Exit
		D	o you wa	nt to open	or save F	RAD.ZIP f	rom 10.1	84.132.10	0?							Open		ave	•	ancel	×		

Fig 4.1: Generation of files in Screen Customizer

5 Examples

Example 1:

Requirement: Hide a Field in the screen

Below screenshots shows how Screen Customizer can be used for this purpose.

◆ Customer			× 🖬 🗶 🗏 1
🕞 New 🔄 Enter Query			Ţ
Type 💿 Individual	Full Name	Customer Category *	
 Corporate 	Short Name *	Private Customer	
S 💿 Bank	Branch Code		
Customer No *			- <u>A:</u>
la Personal Corporate Additional Director Auxilia	ary Check List		
Per Domicile Address	Status	Identifier	
C1			
C\ Same as Permanen Address		Name	
Address 1	Deceased	Value	
Address 2	Whereabouts U	- Relationship Manager	
CV Address 3	Eligible for AR-A	P RM ID	+
Address 4	Tracking	RM Name	
CV Pin Code	CRM Customer Mailers Require	d a transformer	eld Active
C Country	CLS Participant		E 👻 Yes 💌
	Issuer Custome	Auto Generated Statem Plan	ient Yes 👻
Misc Details	Treasury Custor	_	
SWIFT Code	Joint Customer	Statement Day	
CV Credit Rating	MT920	olatomon bay	
C\ Group Code	Relationship Pri	cipa	
Charge Group	✓ ELCM Custome		
Clearing Group	ELCM Customer		
Tax Group	Number		
Exposure	CIF Status		
Exposure Category	Since		
Customer			
Classification External Reference			
Number			
Location			
FX Netting Customer			
Media			
SSN			*
Group MIS Joint Standing Instructions	Linked Entities Text Fields Image I	Limits CLS Restrictions MT920 Domestic Professi	onal 🛋
Issuer Cards Linked Account KYC De	tails Joint Venture Account Details NSF Bla	ck list status Documents Change Log	
Maker	Date Time: Mod		

Fig 3.3.1: A preview with 'Whereabouts Unknown' checkbox set as visible

If *Whereabouts Unknown* field is not required, uncheck the visible flag.

een C	ustomization													_	
												E	×	13	1
	Action Load 👻			Function Type Pa	rent	-			Function Cate	gory Ma	intena	nce 🔻			
	Function Id STDCIF			Parent Function					Header Temp	late	ne	-			
	Save XML Path STDCIF_RAD.	BR	OWSE	Parent Xml					Footer Temp	olate Ma	int Au	lit 🔻			
ch		E	Block Field Prope	erties										C	Ĵ
	ADDRLN3	*										_	Require		
	addrln2 Addrln4			* WHRUNKN			XSD Tag	WHRUNKN		_				u	
	COUNTRY	_	Field Label		×=		XSD Annotation			2			Visible		
	SNAME		DataSource	STTMS_CUSTOMER			Field Size *	<					Read Or	nly	
			Column Name	WHEREABOUTS_UNKN	NO		Maximum Length	1					Calende	r Text	
			Data Type * Char 👻				Minimum Value						Popup E	dit Red	JUI
	CCATEG	E	Display Type CheckBox -										Upperca		
	TULLNAME		Dispidy Type				Maximum Value								
	CIFCREATIONDT						Maximum Decimals						LOV Val Require		
	ISELCMCUST		Parent Field		×	_	TextArea Rows						Input by		nlv
	ELCMCUSTNO		Related Block			r	TextArea Columns					Not Required I			
	AR_AP_TRACKING						Default Value		×E						
	EXPCNTRY		LOV Name			r		Ν					Report F	arame	te
			Off Line LOV Name		,	-	Preview Value			* E					
			Fieldset Name	FST_STATUS			MaskId			~ =					
	DEAD														
			Custom Attributes E	Events											
	CRRATE												+	-	
	MEDIA													~	
	SSN		Attri	bute Name			Attribute Value		A	Active		Position			
	SWIFTCD		OFF	×=	N					Yes 🔻	1				
	LOC														
	MAILRSREQD	V	ON	×=	Y				I	Yes 🔻	2				
	GRPCD														
	EXPCAT														
	CUSTCLASSFN														
	CIFSTAT														
	CIFSTATSNC														
	CHGGRP														
	CUSTCLGGRP														
	TAXGROUP											-			
	CLSPARTICIPANT													÷.	
	FXNETTCUST														
	T XREF														

Fig 3.3.2: Setting the field invisible

ee Customi									7
	🔶 Customer						××	I V	ه ۲
	📭 New 🦻 Enter Query								
c	Туре	Individual	Full Name		Customer Category *		<u>^</u>		
		 Corporate 	Short Name	*		Private Customer			
Save		Bank	Branch Code						
h	Customer No *	P						- Aï	
DalaBlod	Personal Corporate Ad	ditional Director Auxiliary C	heck List						
Screens	Domicile Address		Status		Identifier				
		Same as Permanent		Frozen	Name				
CVS_(Address	_	Deceased	Value				
	Address 1								
CVS_I	Address 2			Eligible for AR-AP Tracking	-Relationship Manager-				
	Address 3			CRM Customer	RM ID			+	-
CVS	Address 4			Mailers Required	RM Name		A	ctive	~
CVS	Pin Code			CLS Participant	-Combined Statement Pla	an	- Ye	es 💌	
I 🧰 CVS_(Country			Issuer Customer		Auto Generated Statement	-	es *	
CVS_L	Misc Details			Treasury Customer		Plan	10		
CVS_L	SWIFT Code			Joint Customer	Frequency	Select 👻			
				MT920	Statement Day	-			
	Credit Rating Group Code			Relationship Pricing					
FieldSel:				ELCM Customer					
	Charge Group		ELCM Customer						
	Clearing Group		Number CIF Status						
	Tax Group		Since						
	Exposure		Since						
	Exposure Category								
	Customer Classification								+
	External Reference								
	Number								
	Location								
	FX Netting Customer								
	Media								
	SSN						*		
	Group MIS Joint	Standing Instructions I	inked Entities Text F	Fields Image Limits	CLS Restrictions MT920	Domestic Professional	L 🔤 👘		
	Issuer Cards Lin	ked Account KYC Details	Joint Venture Accourt	t Details NSF Black list st	atus Documents Chang	ge Log			
	Maker	D	ate Time:	Mod No					
	Checker			Record Status		Ex			
		D	ate Time:	Authorization Status		EX			

Fig 3.3.3: The field invisible on screen after deploying units generated from screen customizer

Example 2:

Requirement: Adding a new Tab to the Screen. Move fields from one tab to another

As shown in below screenshot Main Tab contains Unique Identifier Field set. This field has to be moved to a new tab

♦ Customer					×
🖹 New 🦻 Enter Query	1				
Type Customer No *	 Individual Corporate Bank 	Full Name Short Name * Branch Code		Customer Category *	Private Customer
Personal Corporate Ad	dditional Director Auxiliar	V Check List			
Domicile Address		- Status		Identifier	
Address 1 Address 2 Address 3 Address 4 Pin Code Country Misc Details SWIFT Code Credit Rating Group Code Charge Group Clearing Group Clearing Group Tax Group Exposure Exposure Category Classification External Reference Number	Same as Permanent Address	ELCM Customer Number CIF Status Since	 Frozen Deceased Whereabouts Unknown Eligible for AR-AP Tracking CRM Customer Mailers Required CLS Participant Issuer Customer Treasury Customer Joint Customer MT920 Relationship Pricing ✓ ELCM Customer 		Auto Generated Statement Plan Select v
Location FX Netting Customer Media SSN Group MIS Joint	Standing Instructions	Linked Entities Text F	ields Image Limits	CLS Restrictions MT920	Domestic Professional 🍝
Issuer Cards Lin Maker Checker	nked Account KYC Deta	ails Joint Venture Account Date Time: Date Time:	Details NSF Black list stat Mod No Record Status Authorization Status	tus Documents Change	e Log Exit

Fig 3.3.4: The section 'Unique Identifier'

In Screen Customizer, developer can add the new tab. Modify the properties of the field set .i.e. attach to this new tab.

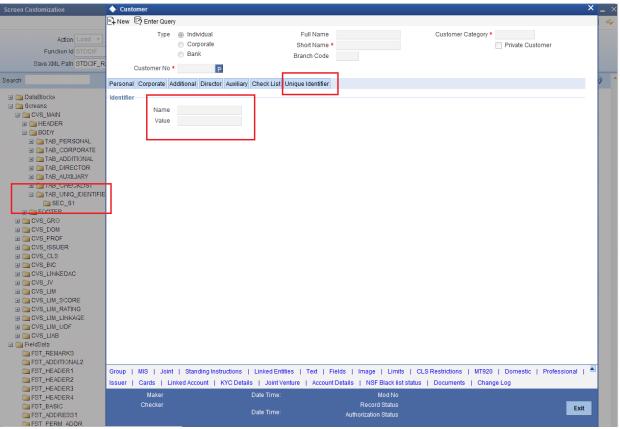


Fig 3.3.5: Section 'Unique Identifier' moved to a new tab



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