Development Workbench – Screen Customizer Oracle FLEXCUBE Universal Banking Release 14.6.0.0.0 Part No. F56608-01 [May] [2022]



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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

						< 🔳	¥	9	⇔
Action Load -	Function Type	-		gory Maintenance	Ŧ				
Function Id STDCIF Save XML Path STDCIF_RAD.	Parent Function BROWSE Parent Xml		Header Temp	late None 👻	-				
	Paleit XIII		Pooler remp	nate maint Audit					
Search									1
😠 🚞 DataBlocks 😠 🚞 Screens									
Greens FieldSets									

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

					-
					🔚 🗙 🗏 7 🧐
Action Load Function Id STDCIF Save XML Path STDCIF_RAD.	BROWSE Block Field Proper	Function Type Parent Parent Function Parent Xml		Function Category M Header Template N Footer Template M	one 🔻
DataBlocks DataBlocks DataBlocks DataBlock DataCuSTPERSONAL DataCuSTPERSONAL DataCuSTCORP DataCuSTCORPDIR DataCuSTCORPDIR DataCuSTCORPDIR DataCuSTCORPDIR DataCuSTCORPDIR DataCuSTCORP D		LBL_FLDNAM STVWS_CUST_LIAB_UDF	XSD Tag XSD Annotation Field Size • Maximum Length Minimum Value Maximum Decimals TextArea Rows TextArea Rows Default Value Preview Value Mask Id	FLDNAM IOS 105 IOS IOS	Required Visible Read Only Calender Text Popup Edit Required Uppercase Only Not Required Input by LOV Only Not Required In Xsd Report Parameter Position

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

creen Customization								-
								🖫 🗶 🗏 7 🤤
Action Load 👻		Function Type Parent				Function	n Category Maintenance	e 🔻
Function Id STDCIF		Parent Function				Header	Template None 👻]
Save XML Path STDCIF_RAD.	BROWSE	Parent Xml				Footer	Template Maint Audit	•
arch	Fieldset Prop	perties						- 🛯 🦃
) 🧰 DataBlocks	Fieldset	Name FST_HEADER1		Scree	n Name	CVS_MAIN	•	🔲 Horizontal Fieldset
Screens	Fieldset	Label		Screen	Portion	Header	-	ReadOnly
FieldSets	Data	Block BLK_CUSTOMER V		Tal	b Name	TAB_HEADER	~	Navigation Button
FST_ADDITIONAL2	Multi R	ecord No -		Section	n Name	SEC_1	•	Visible
FST_HEADER1	View	Type Single -		Partitio	n Name	PART1	•	
ST_HEADER2	Fieldset H	leight		Number C	Of Rows			
FST_HEADER3 FST_HEADER4								
FST BASIC								
FST_ADDRESS1	E	Data Block Fields			F	ieldSet Fields	Subpartition Name	,
FST_PERM_ADDR		CIFCREATIONDT	*		CTYPE		-	
FST_PASSPORT FST_ADDITIONAL1		BTN_GRO BTN MIS						2
FST_POWOF_ATTORNEY		BTN_JOINT	E					
FST_REGISTRATION		BTN_SI BTN_LE		DD				
EST_BUSN_DESC		BTN_TEXT		_				
		BTN_FIELDS		44				
FST_ADDRESS2 FST_DOMICILE		BTN_IMAGE BTN_LIM						
FST_MISC		BTN_CLS						
FST_STATUS		BTN_MT920BIC BTN_DOM	-					
FST_STATUS2								
FST_CORPDIR1 FST_CORPDIR2								
FST_CORPDIR3								
FST_CORPDIR4								
FST_CHECKLIST								
FST_AMLREPORT								
ST_UTILITY ST_HEADOFFICE								
ST_FLD_LBL1								
FST_FLD_LBL2								

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																				4 🔳 1	 7 🌖 (
	Front-End	Files			System Pa	aokages		Hook Paokapes				Meta Da	a					Others		*			
Radvill Main Package Spec Screen Xml Main Package Body System JS Notification Triggers Upload Package Spec Upload Package Body			ody gers ⊱Spec		Chu Chu Chu Chu	mel Pack: ister Pack ister Pack stom Pac	age Spec age Body age Spec age Body kage Spe kage Bod	c	Da LO Blo Sc	nu Detail Iasource V Delails ock Detail reen Dela sendable	Details S Ills		Label Det Block PK Function (Gateway I Notification Function I	Columns Call Form Details in Details	IS	0 0 0	ed Wilh A creen Htt pload Ta pload Ta	nnotations ni ble Trigge bles Delini ble Delini	r ilion				
							Informat	tion										×					
	No								En	ror Desci	ription				E	rror Code	e	^			tatus		
1		STE	CIF.xml					Req	lest succ	cessfully	Processe	ed			R	D-SAVE-	007				URIUS		
2			CIF SYS	Lis																	-		
3		STE	ICIF_RAD).xml															Genera		•		
																	0						
																							w.
																					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	Statement Day	
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.

en Customization						
						Image: Image: Image
Action Load 👻	Function Ty	rpe Parent 👻	Function	Category Ma	iintenance 👻	
Function Id STDCIF	Parent Functi	ion	Header T	emplate No	ne 🔻	
Save XML Path STDCIF_R	AD. BROWSE Parent X	[m]	Footer T	emplate Ma	iint Audit 👻	
ch	Block Field Properties					Q
ADDRLN3	•					
DDRLN2	Field Name * WHRUNKN		XSD Tag WHRUNKN			equired
DDRLN4	Field Label LBL_WHRUNKN	×E	XSD Annotation	\sim		sible
COUNTRY	DataSource STTMS_CUSTOME	ER	Field Size *	_		ead Only
SNAME	Column Name * WHEREABOUTS_					alender Text
NLTY		onnavon	Maximum Length		-	
LBRN	Data Type * Char 👻		Minimum Value			opup Edit Requ
CCATEG	E Display Type CheckBox	•	Maximum Value		□ U	ppercase Only
FULLNAME CIFCREATIONDT	Item Type Database Item 👻	r	Maximum Decimals			OV Validation
ISELCMCUST	Parent Field	Ŧ	TextArea Rows		R	equired
ELCMCUSTNO	Related Block	~			E In	put by LOV Only
AR_AP_TRACKING	Related Field		TextArea Columns		L N	ot Required In 3
EXPONTRY			Default Value N	* E		eport Paramete
	LOV Name	· · · · · · · · · · · · · · · · · · ·	Preview Value			
	Off Line LOV Name	~	MaskId	* E		
FROZEN	Fieldset Name FST_STATUS		indon ra			
DEAD	Custom Attributes Events					
🚞 WHRUNKN	Custom Autobiles Events					
CRRATE						+ -
i MEDIA	Attribute Name		Attribute Value	Active	Position	-
i SSN			Attribute value	Active	rosidon	
C SWIFTCD	OFF	MI N		Yes 🔻	1	
🚞 LOC					0	
🚞 MAILRSREQD	I ON	×≣ Y		Yes 🔻	2	
GRPCD						
EXPCAT						
CUSTCLASSEN						
CIFSTATSNC						
CUSTCLGGRP TAXGROUP						
CLSPARTICIPANT						-
FXNETTCUST						

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 *	-
Personal Corporate A	dditional Director Auxilia	ry Check List			11
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 Category Customer Classification External Reference	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 Joint Customer Joint Customer MT920 Relationship Pricing ELCM Customer 	Name Value - Relationship Manager RM ID RM Name - Combined Statement Plan Frequency Select • Statement Day •	
Number Location FX Netting Customer Media SSN					
				CLS Restrictions MT920 Domestic Professional atus Documents Change Log	-
Maker Checker		Date Time: Date Time:	Mod No Record Status Authorization Status	Ex	t

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.

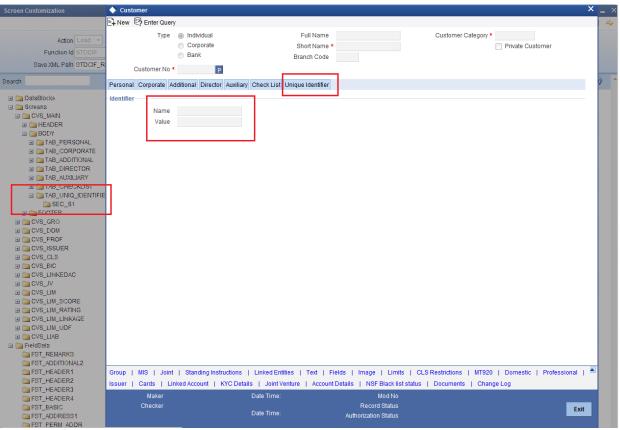


Fig 3.3.5: Section 'Unique Identifier' moved to a new tab



Development Workbench - Screen Customizer [May] [2022] Version 14.6.0.0.0

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