Development Workbench – Screen Customizer Oracle FLEXCUBE Universal Banking Release 14.5.2.0.0 Part No. F45976-01 [August] [2021]



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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

04-Development_WorkBench _Screen_Development-I.docx 05-Development_WorkBench _Screen_Development-II.docx

2 Introduction

This document gives information about the following topics:

- Chapter 2, "Introduction"
- 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		Function Category Main Header Template None Footer Template Main	•
Search	Block Field Properties			0
DataBlocks BLK_CUSTOMER BLK_CUSTORPERSONAL BLK_CUSTCORPOIR BLK_CUSTCORPOIR BLK_CUSTODC_CHKLIST BLK_DOCTYPE_REMARKS BLK_CUSTGRP BLK_CUSTGRP BLK_CUSTGRP BLK_CUSTGRP BLK_CUSTGRP BLK_CUSTGRP BLK_CUSTGRP BLK_CUSTGRP BLK_CUSTGRP BLK_LISSUERLMTS BLK_CUSTCHTS BLK_LIAS_CORE BLK_LIAB_SCORE BLK_LIAB_SCORE BLK_LIAB_CORE BLK_LIAB_CORE BLK_LIAB_INKAGE BLK_LIAB_INKAGE BLK_LIAB_INKAGE BLK_LIAB_INKAGE BLK_LIAB_INKAGE BLK_LIAB_UDF ELDNAM FLDVAL DATATYP VALTYP VALTYP SUEK_CUSTSEGMENT SICK_CUSTSEGMENT	Field Name * FLDNAM FIELDNAM FIELDNAM DataSource STWS_CUST_LIAB_UDF Column Name * FIELD_NAME Data Type * Varchar2 ~ Display Type Text Item Type Database item ~ Parent Field ~ LOV Name FIELD_UPF Off Line LOV Name FST_LIAB_UDF Custom Attributes Events Related Field	XSD Tag XSD Anotation Field Size Maximum Length Minimum Value Maximum Value Maximum Petinals TextArea Rows TextArea Columns Default Value Mask Id Attribute Value	FIDNAM Image: Second secon	Required Visible Read Only Calender Text Popup Edit Require Uppercase Only LOV Validation Required In Xac Report Parameter

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 🤤
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	- 🛛 🖓
	· ·	Screen Name CVS_MAIN Screen Portion Header Tab Name TAB_HEADER Section Name SEC_1 Partition Name PART1 Number Of Rows FieldSet Fields Subpartition Name CTYPE CTYPE

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		*
Screen	n Xrril			Main P	stion Trigi Package	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			× 📰 🗶 🗏 🞸
New 🔄 Enter Query			
Type	Full Name	Customer Category *	
 Corporate 	Short Name *	Private Customer	
S 💿 Bank	Branch Code		
Customer No *			- 10
Data Personal Corporate Additional Director Aux	iliary Check List		
Scree Domicile Address	Status	Identifier	
C Same as Perman Address		Name	
Address Address 1	Deceased	Value	
Address 2	Whereabouts U	- Relationship Manager	
Address 3	Eligible for AR-A	AP RM ID	+
Address 4	Tracking	RM Name	Annual In
Pin Code	CRM Customer		ald Active
C\ Country	Mailers Require CLS Participant		E 👻 Yes 💌
0	Issuer Custome	Auto Generated Stater	ment Yes 👻
-Misc Details	Treasury Custon	-	
C\ SWIFT Code	Joint Customer		
Credit Rating	MT920	Statement Day	
Group Code	Relationship Pr	icing	
Charge Group	V 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 Instruction	ns Linked Entities Text Fields Image	Limits CLS Restrictions MT920 Domestic Profess	sional 🔺
Issuer Cards Linked Account KYC	Details Joint Venture Account Details NSF Bla	ck list status Documents Change Log	
Maker	Date Time: Moo	1 No	
Checker	Record Sta		

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

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

Screen (Customization						
						🖁 🗶	🗏 🖗 🧃
	Action Load -	Function Type Pa	rent 👻		Function Category Mainte	nance 👻	
	Function Id STDCIF	Parent Function			Header Template None	-	
	Save XML Path STDCIF_RAD.	BROWSE Parent Xml			Footer Template Maint /	Audit 👻	
Search		Block Field Properties					a
	ADDREN3	A					
	MDDRLN2	Field Name * WHRUNKN		XSD Tag WHRUNKN		E Req	
	DDRLN4	Field Label LBL_WHRUNKN	* =	XSD Annotation		🗖 Visi	ble
	COUNTRY	DataSource STTMS_CUSTOMER		Field Size *		🗖 Rea	d Only
	SNAME	Column Name * WHEREABOUTS_UNKN	OW	Maximum Length 1		Cale	ender Text
	DITY LBRN						up Edit Require
				Minimum Value			
	FULLNAME	Display Type CheckBox -		Maximum Value		Upp	ercase Only
		Item Type Database Item 👻		Maximum Decimals			Validation
	ISELCMCUST	Parent Field	~	TextArea Rows			uired
	ELCMCUSTNO	Related Block	-	TextArea Columns		Γ Inpu	it by LOV Only
	AR_AP_TRACKING	Related Field			×=	Not	Required In Xs
	EXPONTRY	LOV Name	~	Default Value N		🗖 Rep	ort Parameter
	DIDNAME			Preview Value			
	iii UIDVAL	Off Line LOV Name		Mask Id	>=		
	E FROZEN	Fieldset Name FST_STATUS					
	DEAD	Custom Attributes Events					
	MHRUNKN						+ -
	CRRATE						+ -
	MEDIA	Attribute Name		Attribute Value	Active	Position	~
	SSN .						
	SWIFTCD	OFF F	N		Yes 🔻 1		
	LOC		v		Yes 🔻 2		
	MAILRSREQD				163 + 2		
	GRPCD						_
	CUSTCLASSEN						
	CIFSTAT						
	CHGGRP						
	TAXGROUP						
	CLSPARTICIPANT						-
	FXNETTCUST						
	XREF						

Fig 3.3.2: Setting the field invisible

Screen Customization		". ×
◆ Customer	×	🛛 🗶 🗑 🖗 🚽
타 New 타 Enter Query		
Type Individual Full Name Customer Category* Stave Corporate Short Name* Private Customer Stave Bank Branch Code Private Customer		- # 3
Catability Personal Corporate Additional Director Auxiliary Check List Screens Domicile Address Same as Permanent Frozen Name		
Generation CVS_1 Address Value		
Eligible for AR-AP Relationship Manager CVS_ Address 2 Tracking PMID		4 -
CRM Customer CRM Customer Mailers Required RM Name		Active
Image: CVS Pin Code CLS Participant - Combined Statement Plan Image: CVS Country Issuer Customer Auto Generated Statement	E	Yes 🕶
Misc Details Plan		103
Credit Rating		
Group Code ELCM Customer Charge Group ELCM Customer		
Clearing Group Number Tax Group CIF Status		
Exposure Since Since		
Customer Classification		*
External Reference Number Location		
FX Netting Customer Media		
SSN	-	
Group MIS Joint Standing Instructions Linked Entities Text Fields Image Limits CLS Restrictions MT920 Domestic Professiona Issuer Cards Linked Account KYC Details Joint Venture Account Details NSF Black list status Documents Change Log	≜	
Maker Date Time: Mod No Checker Record Status Date Time: Authorization Status	Exit	

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	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.

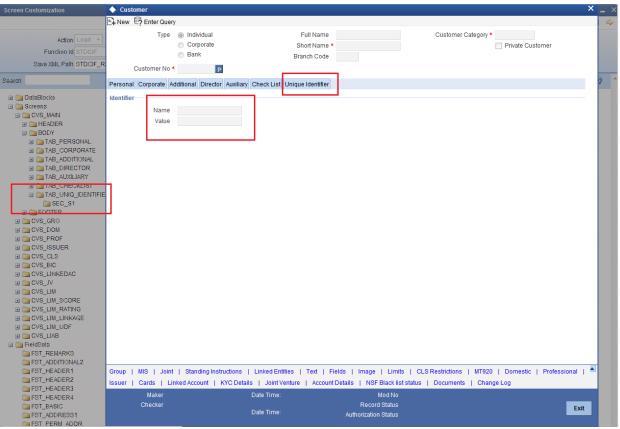


Fig 3.3.5: Section 'Unique Identifier' moved to a new tab



Development Workbench - Screen Customizer [August] [2021] Version 14.5.2.0.0

Oracle Financial Services Software Limited Oracle Park Off Western Express Highway Goregaon (East) Mumbai, Maharashtra 400 063 India

Worldwide Inquiries: Phone: +91 22 6718 3000 Fax:+91 22 6718 3001 www.oracle.com/financialservices/

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