Development Workbench – Screen Customizer Oracle FLEXCUBE Universal Banking Release 14.5.3.0.0 Part No. F50379-01 [November] [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:

- <u>Chapter 2</u>, "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	<b>•</b>				
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		
		🖫 🗷 🗏 🖗
	Function Type Parent Parent Function BROWSE Parent Xml Rupple Field Proceeding	Function Category Maintenance     Header Template None     Footer Template Maint Audit
Search	Block Field Properties	
DataBlocks     BLK_CUSTORER     BLK_CUSTORER     BLK_CUSTCORP     BLK_CUSTCORPOIR     BLK_CUSTCORPOIR     BLK_CUSTCORPOIR     BLK_CUSTCORPOIR     BLK_CUSTGRP     BLK_CUSTGRP     BLK_CUSTGRP     BLK_CUSTPROF     BLK_CUSTPROF     BLK_ISSUERLINTS     BLK_ISSUERLINTS     BLK_SIGE     BLK_SIGE     BLK_LINKEDAC     BLK_LINKEDAC     BLK_LINKEDAC     BLK_LIAB_SCORE	Field Name * FLDNAM Field Label LBL_FLDNAM DataSource STWS_CUST_LIAB_UDF Column Name * FIELD_NAME Data Type * Varchar2 * Display Type Item Type Database Item * Parent Field * Related Block Related Field * LOV Name Off Line LOV Name FIELDSTALLAB_UDF Fieldset Name FST_LIAB_UDF	XSD Tag FLDNAM Required XSD Annotation Visible Field Size Calender Text Maximum Length 105 Maximum Value Viget Calender Text Minimum Value Viget Calender Text Maximum Decimals Calender Text Viget Calender Text Popup Edit Require Uppercase Only Kaximum Decimals Required TextArea Rows Viget Calender Text Popup Edit Require Uppercase Only Not Required In Xsc Perview Value Mask Id
B BLK_LIAB_RATING BLK_LIAB_LINKAGE	Attribute Name	Attribute Value Active Position
BLK_LLAB_UDF FLDVAL DATATYP WALTYP BLK_CUSTSEGMENT BLK_CUSTSEGMENT FieldSets		<ul> <li>Field in Screen Customizer</li> </ul>

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								
								🖫 🗶 🗏 🞸 🤤
Action Load 👻		Function Type Paren	t 👻			Function	Category Maintenance	•
Function Id STDCIF		Parent Function				Header	Template None -	
Save XML Path STDCIF_RAD.	BROWSE	Parent Xml				Footer	Template Maint Audit	-
arch	Fieldset Prop	erties						- <u>A</u>
	Fieldset U Data E Multi Re View Fieldset H	ame FST_HEADER1 abel Slock BLK_CUSTOMER cord No ~ Type Single ~		Scree T: Sectiv Partitiv Number	en Name n Portion ab Name on Name Of Rows	CVS_MAIN Header TAB_HEADER SEC_1 PART1	▼ ▼ ▼ Subpartition Name	☐ Horizontal Fieldset ☐ ReadOnly ☐ Navigation Button ☑ Visible

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		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 <b>10.1</b>	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 *	
<ul> <li>Corporate</li> </ul>	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 👻
C\-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					<b>a</b>
	ADDREN3	A					
	MDDRLN2	Field Name * WHRUNKN		XSD Tag WHRUNKN		E Req	
	DDRLN4	Field Label LBL_WHRUNKN	<b>*</b> =	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 Customi	zation								" ×
	♦ Customer					×	× 🔳	47 🧐	2
	🖹 New 🏹 Enter Query								
F Save Search	<ul> <li>Corp</li> <li>Bank</li> </ul>	k Short Name * Branch Code		Customer Category *	Private Customer	-			
	Customer No *	P							
DalaBloc Screens	Personal Corporate Additional	Director Auxiliary Check List							
<ul> <li>Screens</li> <li>CVS_1</li> </ul>	- Domicile Address	- Status		Identifier					
	Sam Addr	e as Permanent ess	Frozen     Deceased	Name Value					
	Address 1								
CVS_I     CVS_CVS_CVS_CVS_CVS_CVS_CVS_CVS_CVS_CVS_	Address 2		Eligible for AR-AP Tracking	- Relationship Manager -					
	Address 3		CRM Customer	RM ID				+ -	
🗷 🛄 CVS_L	Address 4		Mailers Required	RM Name			Active	*	
CVS	Pin Code		CLS Participant	-Combined Statement P	an	Ξ	Yes 💌		
	Country		Issuer Customer		Auto Generated Statement		Yes *		
	- Misc Details		Treasury Customer	Frequency	Plan Select -				
🗉 🧰 CVS_L	SWIFT Code		Joint Customer MT920	Statement Day	Select V				
	Credit Rating		Relationship Pricing	Statement Day					
<ul> <li>FieldSold</li> </ul>	Group Code		ELCM Customer						
	Charge Group	ELCM Customer							
	Clearing Group	Number							
	Tax Group	CIF Status							
	Exposure	Since							
	Exposure Category								
	Customer							~	
	External Reference								
	Number Location								
	FX Netting Customer								
	Media								
	SSN								
		ding Instructions   Linked Entities   Text   Fi	ialde Limaga Limita I	CLS Pactrictions   MT000	L Domostic   Professional	×			
		unt   KYC Details   Joint Venture   Account				_			
	Maker	Date Time:	Mod No						
	Checker		Record Status		Exit				
		Date Time:	Authorization Status		LAN				

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	/			
Type Customer No *	Individual Corporate Bank  ditional Director Auxiliar	Full Name Short Name * Branch Code		Customer Category *
Domicile Address		- Status		- Identifier
Address 1 Address 2 Address 3 Address 3 Address 4 Pin Code Country Misc Details SWIFT Code Credit Rating Group Code Charge Group Clearing Group Tax Group Exposure Exposure Category Customer Classification External Reference Number	Same as Permanent Address	ELCM Customer Number CIF Status Since	<ul> <li>Frozen</li> <li>Deceased</li> <li>Whereabouts Unknown</li> <li>Eligible for AR-AP Tracking</li> <li>CRM Customer</li> <li>Mailers Required</li> <li>CLS Participant</li> <li>Issuer Customer</li> <li>Joint Customer</li> <li>Joint Customer</li> <li>MT920</li> <li>Relationship Pricing</li> <li>ELCM Customer</li> </ul>	Name   Value   - Relationship Manager   RM ID   RM Name
Location FX Netting Customer Media SSN Group   MIS   Joint				CLS Restrictions   MT920   Domestic   Professional
Maker Checker		Date Time:	Mod No Record Status Authorization Status	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.

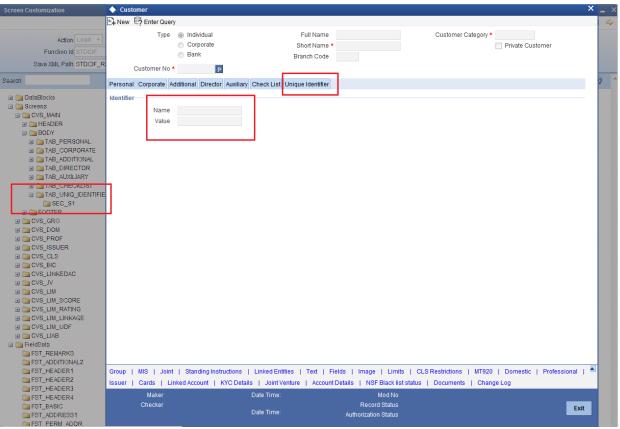


Fig 3.3.5: Section 'Unique Identifier' moved to a new tab



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