Development Workbench – Screen Customizer Oracle Banking Treasury Management Release 14.4.0.3.0 [February] [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

<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

creen Customization					
				🖬 🗶 🗏 7	9
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	<b>•</b>	
irch					
DataBlocks					
Creens Screens					
i 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

Screen Customization				
				🔚 🗶 🗏 7 🤤
Action Load ~ Function Id STDCIF Save XML Path STDCIF_RAD.	Function Type Parent Parent Function BROWSE Parent Xml Block Field Properties	•	Function Category Ma Header Template No Footer Template Ma	aint Audit 👻
Search  DataBlocks  BLK_CUSTOMER  BLK_CUSTCORP BLK_CUSTCORPOIR  BLK_CUSTCORPOIR  BLK_CUSTCORPOIR  BLK_CUSTGRP BLK_CUSTGRP BLK_CUSTGRP BLK_CUSTGRP BLK_CUSTGRP BLK_CUSTGRP BLK_CUSTROF BLK_LISSUERLMTS BLK_LIAB_SCORE BLK_LIAB_RATING BLK_LIAB_NENAGE BLK_LIAB_UDF ELONAM FLOVAL DATATYP VALTYP BLK_CUSTSEGMENT SCREens BLK_ISSUERLMTS BLK_LIAB_NENAGE BLK_CUSTSEGMENT BLK_CUSTSEGMENT BLK_SCRENA	Block Field Properties	XSD Tag XSD Annotation Field Size • Maximum Length Maximum Value Maximum Value Maximum Decimals TextArea Columns Default Value Wask Id Attribute Value	FLDNAM         Image: Constraint of the second sec	Required Visible Read Only Calender Text Popup Edit Require Uppercase Only COV Validation Required Input by LOV Only Not 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
			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

orate																						
	ront-End	Files			System P					Paokages					Meta Dat					Others		
2 RadXM 2 Screen 2 System	Xml			Main P		Body gers e Spoc	Informat	Clu Clu Clu Cu Cu	mel Packa mel Packa ister Pack ister Pack slom Pac slom Pac	age Body age Spec age Body kage Spe	c	Da LO Blo So	nu Detail lasource V Delails ock Detail reen Dela rendable	Details S Ills		Label Deta Block PK C Function C Gateway D Notification Function P	olumns all Forms etails i Details	UI UI Ar	d Wilh A reen Htt bload Ta bload Ta	nnotations ni ble Trigger bles Delinili sie Delinilio		
							intormat	ion										`				÷
SLN	la.									ror Desc					-	rror Code			6	tates		
36.n		STE	OCIF.xml					Requ	uest succ	cessfully	Processe	ed			R	D-SAVE-0	07	General		-		
2		STE	CIF_SYS	.js														General		-		
}		STE	DOIF_RAE	).xml														General		-		
																	- Ok					
																		mm				
																				Genera	ate l	Exit

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 *	
<ul> <li>Corporate</li> </ul>	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.

en Customization						
						<li>Image: Image: Image</li>
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	<b>*</b> E		eport Paramete
	LOV Name		Preview Value			
	Off Line LOV Name	~	MaskId	<b>*</b> 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

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							<u> </u>		
	🖹 New 🦻 Enter Quen	1							
F	Туре	Individual	Full Name		Customer Category *		Â		
Save		Corporate	Short Name	*		Private Customer			
0.848		Bank	Branch Code						
h	Customer No *	P						<b>A</b>	
🛄 DalaBloc	Personal Corporate A	dditional Director Auxiliary C	Check List						
Screens	Domicile Address		- Status		Identifier				
) (CVS_1 ) (CVS_0	2000000000	Same as Permanent	otatao	- <b>F</b>	Name				
1 (10 CVS_1		Address		Frozen					
CVS_	Address 1			Liereasen	Value				
) 🧰 CVS_)	Address 2			Eligible for AR-AP	-Relationship Manager-				
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CVS_6	Address 4			CRM Customer	RM Name		2	ctive	
	Pin Code			Mailers Required					
CVS_	Country			CLS Participant	-Combined Statement Pla		= Ye	)S ♥	
				Issuer Customer		Auto Generated Statement	Ye	95 *	
CVS_L	Misc Details			Treasury Customer	Frequency	Plan Select -			
) 🧰 CVS_(	SWIFT Code			Joint Customer					
	Credit Rating			MT920	Statement Day	<b>_</b>			
I CVS_I FieldSeld	Group Code			Relationship Pricing					
Presido en	Charge Group		FLOW Quelense	ELCM Customer					
	Clearing Group		ELCM Customer Number						
	Tax Group		CIF Status						
	Exposure		Since						
	Exposure Category								
	Customer								
	Classification								
	External Reference								
	Number Location								
	FX Netting Customer								
	Media								
	SSN								
	Group   MIS   Joint	Standing Instructions	Linked Entities   Text   I	Fields   Image   Limits	CLS Restrictions   MT920	Domestic   Professional	1 📤		
	Issuer   Cards   Lir	nked Account   KYC Details	Joint Venture   Accour	nt Details   NSF Black list s	status   Documents   Chang	ge Log			
	Maker	[	ate Time:	Mod No					
	Checker			Record Status		Exi	it		
		C	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 *	<ul> <li>Individual</li> <li>Corporate</li> <li>Bank</li> </ul>	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	<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>Treasury Customer</li> <li>Joint Customer</li> <li>MT920</li> <li>Relationship Pricing</li> <li>✓ ELCM Customer</li> </ul>		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.

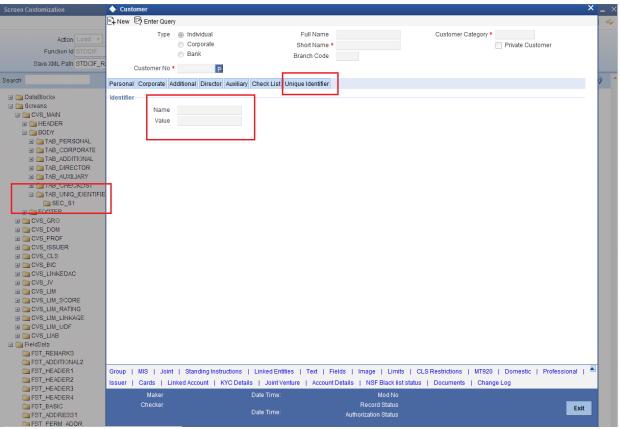


Fig 3.3.5: Section 'Unique Identifier' moved to a new tab



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