Development Workbench – Screen Customizer Oracle FLEXCUBE Universal Banking Release 12.2.0.0.0



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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 , "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		
		🖬 🗷 🗏 🐬 🌘
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 🚽
arch		
) 🚞 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				-
				🖫 🗙 🗏 🔗 🧐
Action Load Function Id STDCIF Save XML Path STDCIF_RAD.	Function Type Parent Parent Function BROWSE Parent Xml Block Field Properties	• 	Function Category Main Header Template None Footer Template Main	•
DataBlocks BLK_CUSTORER BLK_CUSTPERSONAL BLK_CUSTCORP BLK_CUSTCORPIR BLK_CUSTCOCPOIR BLK_CUSTCOC-CHKLIST BLK_CUSTCOC-CHKLIST BLK_CUSTCRP BLK_CUSTSHHOLD BLK_CUSTSHHOLD BLK_CUSTSHHOLD BLK_CUSTPERF BLK_CUSTPERF BLK_SUBERDET BLK_SUBER	Field Name * FLDNAM Field Label LBL_FLDNAM DataSource STWWS_CUST_LIAB_UDF Column Name + FIELD_NAME Data Type * Varchar2 * Display Type Text * Display Type Text * Parent Field * Related Field * LOV Name Off Line LOV Name Fieldset Name FST_LIAB_UDF Custom Attributes Events Related Field	XSD Tag XSD Anotation Field Size ' Maximum Length Minimum Value Maximum Value Maximum Value Maximum Value Maximum Value TextArea Columns TextArea Columns Default Value * * *	FLDNAM	Required Visible Read Only Calender Text Popup Edit Required Uppercase Only LOV Validation Required Input by LOV Only Not Required In Xsd Report Parameter
 BLK_LIAB_SCORE BLK_LIAB_LINKAGE BLK_LIAB_LINKAGE BLK_LIAB_LINKAGE BLK_LIAB_LINKAGE FLDVAL FLDVAL DATATYP VALTYP BLK_CUSTSEGMENT Screens FieldSets 	Fig 3.1.1: Data Bloc	Attribute Value	Active	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								
								🖫 🗶 🗏 🞸 🤤
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 L 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 🍕 4
	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 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.

reen Customization			
		E	i 🛛 🗉 🎸 🍯
Action Load -	Function Type Parent	Function Category Maintenance 👻	
Function Id STDCIF	Parent Function	Header Template None	
Save XML Path STDCIF_RA	D. BROWSE Parent Xml	Footer Template Maint Audit	
arch	Block Field Properties		
ADDRLN3	A		
addrln2	Field Name * WHRUNKN	Xob Tug	Required
ADDRLN4	Field Label LBL_WHRUNKN	XSD Annotation	Visible
	DataSource STTMS_CUSTOMER	Field Size *	Read Only
SNAME	Column Name * WHEREABOUTS_UNKNOW		Calender Text
🛅 NLTY 🛅 LBRN	Data Type * Char 👻		Popup Edit Requir
CCATEG			
FULLNAME			Uppercase Only
CIFCREATIONDT	Item Type Database Item 👻	Maximum Decimals	LOV Validation
ISELCMCUST	Parent Field	TextArea Rows	Required
ELCMCUSTNO	Related Block	Taxtéres Columns	Input by LOV Only
aR_AP_TRACKING	Related Field	Default Value N	Not Required In Xs
EXPCNTRY	LOV Name	Deladit value	Report Parameter
iii UIDNAME	Off Line LOV Name	Preview Value	
CIDVAL		Mask Id	
FROZEN	Fieldset Name FST_STATUS		
DEAD	Custom Attributes Events		
WHRUNKN			+ -
SSN	Attribute Name	Attribute Value Active Position	on
SWIFTCD		No.	
	OFF N	Yes 🔻 1	
MAILRSREQD	V ON Y	Yes 🔻 2	
GRPCD			
EXPCAT			
CUSTCLASSFN			
CIFSTAT			
CIFSTATSNC			
CHGGRP			
CUSTCLGGRP			
TAXGROUP			
CLSPARTICIPANT			Ψ.
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	Ie		
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	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.

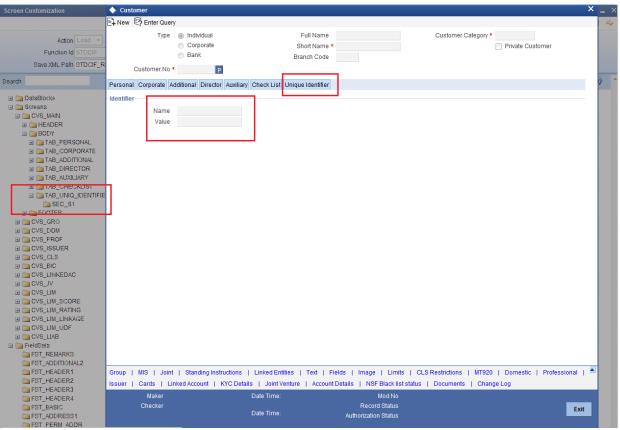


Fig 3.3.5: Section 'Unique Identifier' moved to a new tab



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