Oracle FLEXCUBE Universal Banking ® 12.87.03.0.0 Development Workbench – Screen Customizer

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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.

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

To Use this manual, you need conceptual and working knowledge of the below:

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>
- <u>Chapter 3 , "Screen Customizer"</u>
- <u>Chapter 4 , "File Generation"</u>

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

					2	(🔳	F	9	⇔
	Action Load -	Function Type Parent Parent Function	Function Category Maintee Header Template None	nance 🔻]				
	Save XML Path STDCIF_RAD.	BROWSE Parent Xml	Footer Template Maint A	udit	-				
Search									T
🕀 🗀 S)ataBlocks icreens ieldSets								

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. Search DataBlocks	Function Type Parent Parent Function BROWSE Parent Xml Block Field Properties Field Name * FLDNAM	Image: State
B BLK_CUSTOMER BLK_CUSTCORP B BLK_CUSTCORP B BLK_CUSTCORPOIR B BLK_CUSTCORPOIR B BLK_CUSTCORPOIR B BLK_CUSTGRP B BLK_CUSTGRP B BLK_CUSTPHOLD B BLK_CUSTPHOLD B BLK_SUSERLATS B BLK_SUSERLATS B BLK_SUSERLATS B BLK_LINKEDAC B BLK_LINKEDAC B BLK_CUSTSTUAB B	Field Label LBL_FLDNAM DataSource STWVS_CUST_LIAB_UDF Column Name + FIELD_NAME Data Type + Varchar2 ~ Display Type Tex Database Item ~ Parent Field Related Field LDV Name Off Line LOV Name Fieldset Name Fieldset Name EST_LIAB_UDF Custom Attributes Events Related Field	Kest Only Field Size Field Size Maximum Length 105 Calender Text Calender Text Calender Text Popup Edit Required Uppercase Only Maximum Decimals TextArea Rows TextArea Columns Default Value Preview Value Mask Id Mask Id
	Attribute Name	Attribute Value Active Position

Fig 3.1.1: Data Block Field in Screen Customizer

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

Screen Customization									× = 4	-
Action Load -		Function Type Parent				Function	Category Maintenan			V 🥲
	-									
Function Id STDCIF		Parent Function					Template None			
Save XML Path STDCIF_RAD	BROWSE	Parent Xml				Footer	Template Maint Audi	t 🔻		
earch	Fieldset F	roperties							-	• 🛛 🌍
🗉 🚞 DataBlocks	Field	set Name FST_HEADER1		Scree	en Name	CVS_MAIN	-		Horizontal F	Fieldset
B Creens	Field	set Label		Screer	n Portion	Header	•		ReadOnly	
FieldSets FST_REMARKS		ata Block BLK_CUSTOMER -		Та	ib Name	TAB_HEADER	•		Navigation	Button
FST_ADDITIONAL2		Iti Record No -			n Name	SEC_1	•		Visible	
FST_HEADER1		/iew Type Single -			n Name	PART1	-	v		
FST_HEADER2					OfRows					
FST_HEADER3	Fields	et Height	INI	Imper	UIROWS					
FST_HEADER4										
FST_BASIC	-									
FST_ADDRESS1	-	Data Block Fields			F	ieldSet Fields	Subpartition Nam	е		
FST_PERM_ADDR FST_PASSPORT		CIFCREATIONDT	<u> </u>	~	CTYPE		•	-		
FST_ADDITIONAL1		BTN_GRO BTN_MIS								
FST_POWOF_ATTORNEY		BTN_JOINT	=							
FST_REGISTRATION		BTN_SI BTN LE	Þ	Þ						
DESC_BUSN_DESC		BTN TEXT								
E FST_INCORPORATION		BTN_FIELDS	4	4						
FST_ADDRESS2		BTN_IMAGE								
FST_DOMICILE		BTN_LIM BTN_CLS								
DIFST_MISC		BTN_MT920BIC								
FST STATUS2		BTN_DOM	*							
FST_CORPDIR1										
FST_CORPDIR2										
EST_CORPDIR3										
FST_CORPDIR4										
FST_CHECKLIST										
FST_AMLREPORT FST_UTILITY										
FST_HEADOFFICE										
FST_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 Customization						,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
						🗏 🖓 🌖 🚽	
Generate						>	
Front-End Files	System Paokages	Hook Paokages	Mei	a Data	Others	*	
RadKML Screen Xml System JS	Main Package Spec Kernel Package Spec Menu Details Label Details Main Package Body Datasource Details Block PK Columns Notification Triggers Cluster Package Bpc LOV Details Function Call Forms Upload Package Spec Cluster Package Spec Block Details Gateway Details Upload Package Body Cluster Package Spec Screen Details Notification Details Upload Package Body Custom Package Body Amendable Details Function Parameters				Upload Table Trigger Upload Tables Definition		
SLNo		Error Description		Error Code	Status		
1 STDCIFX	rni 🧧	Request successfully Processed	RD-SAVE-007	Generaled +			
2 STDCIF	SYS.js				Generaled +		
3 STDCIF	RAD.xml				Generaled +		
				-			
				Ok			
						*	
					Generate	Exit	
Do you	want to open or save RAD.ZIP from 10.1	34.132.100 ?		Open Save	▼ Cancel ×		

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.

Screen Cast										
	🔶 Customer						×		1 🔳 🕇	३ 🎲 द
	🖹 New 🦻 Enter Query	1								
Search	Customer No *	Individual Corporate Bank dditional Director Auxiliary	Full Name Short Name * Branch Code		Customer Category *	e Customer	~		- AT	a 9
🗉 🧰 Scre			Status		- Identifier					
	Address 1 Address 2 Address 3 Address 3 Pin Code Country Misc Details SWIFT Code Credit Rating Group Code Charge Group Clearing Group Tax Group Clearing Group Tax Group Exposure Category Classification External Reference Number Location FX Netting Customer FX Netting Customer Media SSN	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 MT920 Relationship Pricing ELCM Customer	Name Value - Relationship Manager RM ID RM Name - Combined Statement Plan Combined Statement Plan Plan Frequency Statement Day	Senerated Statement	E	- 1	t Active Yes ▼ Yes ▼	
	Group MIS Joint	Standing Instructions	Linked Entities Text F	ields Image Limits	CLS Restrictions MT920 Dome	stic Professional	-			
	Issuer Cards Lin Maker Checker	iked Account KYC Detai	Is Joint Venture Accoun Date Time: Date Time:	t Details NSF Black list sta Mod No Record Status Authorization Status	tus Documents Change Log	Exit				

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				
				🖫 🗵 🗏 😼 🧃
Action Load 👻	Function Type Pare	ent 👻	Function Category Maintenance	•
Function Id STDCIF	Parent Function		Header Template None 👻	
Save XML Path STDCIF_RAD.	BROWSE Parent Xml		Footer Template Maint Audit	-
h	Block Field Properties			
ADDRLN3 ADDRLN4 COUNTRY SNAME NLTY LGRN CCATEG FULLNAME CIFCREATIONDT ISELCMCUST ELCMCUSTNO AR, AP_TRACKING EXPCNTRY UIDNAME UIDNAME	Field Name ▼ WHRUNKN Field Label LBL_WHRUNKN DataSource STTMS_CUSTOMER Column Name ▼ WHEREABOUTS_UNKNO Data Type ◆ Char ▼ Display Type ◆ CharkBox ▼ Item Type ◆ CharkBox ▼ Item Type ◆ Database item ▼ Parent Field ▼ Related Block Related Field ▼ LOV Name Off Line LOV Name	XSD Tag WHRUNKN XSD Annotation Field Size * M Maximum Length Minimum Value Maximum Decimals TextArea Rows TextArea Columns Preview Value Maximum Nature Maximum Decimals		
DEAD	Fieldset Name FST_STATUS Custom Attributes Events	_		
CRRATE				+ -
i MEDIA	Attribute Name	Attribute Value	Active P	Position
C SSN	OFF MI	N	Yes 🔻 1	
LOC		Y	Yes v 2	
MAILRSREAD GRPCD EXPCAT CUSTCLASSFN CIFSTATSNC CHGGRP CHGGRP CUSTCLGGRP TXXGROUP		*		

Fig 3.3.2: Setting the field invisible

Screen Customi	ization							×
	♦ Customer						× 🛛 🖉 🖸	3 🍓 🚽
	🗗 New 🖻 Enter Query	,						
F Save		 Individual Corporate Bank 	Full Name Short Name * Branch Code		Customer Category *	Private Customer		
Search	Customer No *	P					Aï	Q 9 1
🗉 🚞 DalaBlo	Personal Corporate Ad	Iditional Director Auxiliary	Check List					
🖃 🧰 Screens	Domicile Address		Status		Identifier			
		Same as Permanent Address	510105	Frozen	Name			
🗉 🧰 CVS_I	Address 1		[
	Address 2			Eligible for AR-AP Tracking	Relationship Manager			
CVS_I CVS_I	Address 3			CRM Customer	RMID		+	-
I CVS	Address 4			Mailers Required	RM Name		Active	*
🗉 🛄 CVS_	Pin Code			CLS Participant	-Combined Statement Plan		= Yes 💌	
 CVS_I CVS_I 	Country			Issuer Customer Treasury Customer] Auto Generated Statement Plan	Yes *	
🗉 🚞 CVS_I	Misc Details			Joint Customer	Frequency	elect -		
				MT920	Statement Day	▼		
CVS_I CVS_I	Credit Rating			Relationship Pricing	,			
🕢 🧰 FieldSela	Group Code			ELCM Customer				
	Charge Group		ELCM Customer					
	Clearing Group		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 F	ields Image Limits	CLS Restrictions MT920	Domestic Professional	A	
	Issuer Cards Lin	ked Account KYC Detai	Is Joint Venture Account	t Details NSF Black list s	tatus Documents Change	Log		
	Maker		Date Time:	Mod No				
	Checker			Record Status		Exit		
			Date Time:	Authorization Status				

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 Quer	у				
Type Customer No *	-	Full Name Short Name * Branch Code		Customer Category *	vate Customer
	dditional Director Auxilian	-			
- Domicile Address Address 1 Address 2 Address 3 Address 4 Pin Code Country - Misc Details SWIFT Code Credit Rating Group Code Charge Group Clearing Group Tax Group Exposure Exposure 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 	Identifier Name Value - Relationship Manager RM ID RM Name - Combined Statement Plan Frequency Statement Day	
				CLS Restrictions MT920 Do us Documents Change Log	mestic Professional 🔺

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.

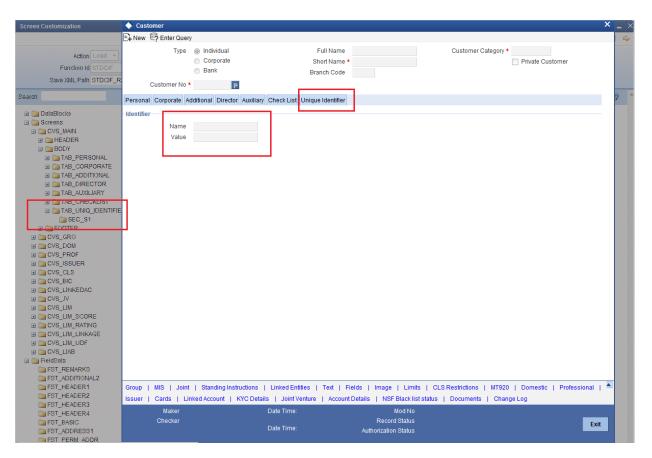


Fig 3.3.5: Section 'Unique Identifier' moved to a new tab

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