Development Workbench – Screen Customizer Oracle Banking Trade Finance Release 14.5.4.0.0 [February][2022]



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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 , "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

reen 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		
Catabletta		
) 🚞 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

Action Load Function Id STDCIF Save XML Path STDCIF_RAD.	Function Type Parent Function BROWSE Parent Xmt Block Field Properties	rent V	Function Category Main Header Template Non Footer Template Main	e 🔻
DataBlocks BLK_CUSTOMER BLK_CUSTCORP BLK_CUSTCORP BLK_CUSTCORPDIR BLK_CUSTCORCPDIR BLK_CUSTCORCPDIR BLK_CUSTCORPDIR BLK_CUSTGRP BLK_CUSTGRP BLK_CUSTGRP BLK_CUSTCONESTIC BLK_CUSTCONESTIC BLK_CUSTCONESTIC BLK_LSUERLINTS BLK_LSUERLIN	Field Name * FLDNAM Field Label LBL_FLDNAM DataSource STWVS_CUST_LIAB_UD Column Name * FIELD_NAME Data Type * Varchar2 ~ Display Type Text ~ Display Type Database Item ~ Parent Field ~ Related Block Related Field ~ LOV Name Off Line LOV Name Fieldset Name FST_LIAB_UDF Custom Attributes Events Related Field	XSD Tag XSD Anotation F Field Size 4 Maximum Length Minimum Value Maximum Decimals TextArea Rows TextArea Rows Default Value Wask Id	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_RATING BLK_LIAB_INKAGE BLK_LIAB_UDF FLDVAL DATATYP VALTYP BLK_CUSTSEGMENT Screens FieldSets	Attribute Name	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

Action Load Function Type Parent Function Category Maintenance Function Id STDCIF Parent Function Header Template None Header Template None Header Template Maint Audit Save XML Path STDCIF_RAD BROWSE Parent Xml Footer Template Maint Audit Search Fieldset Properties Footer Template Maint Audit B Greens Fieldsets Screen Name CVS MAIN B Fieldsets Fieldset Name FST HEADER1 Screen Portion FST_REMARKS Mult Record No * Section Name SEC_1 * FST_HEADER1 View Type Single * Partition Name FieldSet Fields Subpartition Name FST_HEADER3 FST_HEADER3 Fieldset Height Number Of Rows FieldSet Fields Subpartition Name FST_PASPORT FST_PASPORT FST_PASPORT BTN_LG FTN_LG FTN_LE FST_BUSN_DESC BTN_LS BTN_LS BTN_LS FTN_LE FTN_LE	
Function Id STDC/F Parent Function Header Template Vone Save XML Path STDC/F_RAD. BROWSE Parent Xml Footer Template Maint Audit Search Fieldset Properties Screen Name CVS MAIN B DataBlocks Fieldset Name FST HEADER1 Screen Name CVS MAIN B - DataBlocks Fieldset Label BE Screen Name CVS MAIN B - Fieldsets Data Block BLK_CUSTOMER Screen Name CVS MAIN B - Fieldsets Data Block BLK_CUSTOMER Partition Name FART1 B - Fieldsets Data Block BLK_CUSTOMER Partition Name PART1 B - FST_HEADER3 FST_HEADER3 Bingle v Partition Name PART1 B - FST_PASPORT B - FST_PASPORT B - FieldSet Fields Subpartition Name Fieldset Fields Subpartition Name F - FST_BUSN_DESC B - TN_LE	-
Save XML Path STDCIF_RAD. EROWSE Parent Xml Footer Template Maint Audit Search Fieldset Properties	
Search Fieldset Properties ■ DataBlocks ■ Screens ■ Fieldset Name FST_REMARKS ■ FST_REMARKS ■ FST_REMARKS ■ FST_REMARKS ■ FST_REMARKS ■ FST_HEADER1 ▼ Tab Name FST_HEADER1 ▼ Tab Name Section Name Section Name Section Name FST_HEADER3 ■ FST_HEADER3 ■ FST_HEADER4 ■ FST_HEADER3 ■ FST_PERM_ADOR ■ FST_PASPORT ■ FST_PERM_ADOR ■ FST_PERM_ADOR ■ FST_PERM_ADOR ■ FST_PERM_ADOR ■ FST_PERM_ADOR ■ FST_PERM_ADOR ■ FST_PASPORT ■ FST_PASPORT ■ FST_PERM_ADOR ■ FST_PERM_ADOR ■ FST_PASPORT ■ FST_BUSN_DESC ■ FST_BUSN_DESC ■ FST_DUSN_DESC ■ FST_DUSN_DUSN_DESC ■ FST_DUSN_DUSN_DUSN	
B DataBlocks B Screens Fieldset Name Fieldset Label FST_REMARKS FST_ADDITIONAL2 FST_ADDITIONAL2 FST_HEADER3 FST_HEADER3 FST_ADDRESS1	•
B DataBlocks B DataBlocks B Greens FieldSets Field	- <u>K</u> 🦃
FOT_INCORPORATION HIN_FIELUS HIN_FIELUS HIN_FIELUS HIN_FIELUS HIN_HAGE HIN_HAGE HIN_LIM AGE HIN_HINAGE HIN_LIM AGE HIN_LIM AGE HIN_HINAGE HINAGE HI	 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

erate																		×	
Front-End	Files		System Pad	kages			Hook Paol	kages			Mei	a Data					Others		
1] RadXML 1] Screen Xmi 1] System JS	oreen Xml Main Package Body ystem JS Upload Package Spec		Main Package Spec Main Package Body Notification Triggers Upload Package Spec Upload Package Body		Kermel Package Body Cluster Package Body Custom Package Spec Custom Package Body Custom Package Body Screen Details Custom Package Body Amendable Deta formation				Label Details Block PK Columns Function Call Forms Gateway Details			Xsds Xsd Wilh Annotations Screen Html Upload Table Trigger Upload Tables Delimition Archive Table Delimition							
							Error	Descript	ion			Error	Code	*					
SLNo						Reques		sfully Pro					VE-007	_			Status		
	STDCIF.xn														Gener		*		
	STDCIF_S														Gener		*		
	STDCIF_R	ACLXml													Gener		<u> </u>		
														~					
														Ok					
																	Gene	erate	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.

Type Individual Corporate Bank Customer No P Personal Corporate Additional Director Auxilia Domicile Address Address 1 Address 2 Address 3 Address 4 Pin Code	- Status	Frozen Deceased Whereabouts Unknown Eligible for AR-AP Tracking	Customer Category * Identifier Name Value - Relationship Manager RM ID	Private Customer		···· 1
Bank: Customer No * P Personal Corporate Additional Director Auxilia Domicile Address Address 1 Address 2 Address 3 Address 4 Bio Cordo	Branch Code ary Check List - Status	Frozen Deceased Whereabouts Unknown Eligible for AR-AP Tracking	Name Value - Relationship Manager -	Private Customer		- 1
Customer No * P Personal Corporate Additional Director Auxilia Domicile Address Address 1 Address 2 Address 3 Address 4	ary Check List Status	Deceased Deceased Whereabouts Unknown Eligible for AR-AP Tracking	Name Value - Relationship Manager -			
Personal Corporate Additional Director Auxilia Domicile Address Address Same as Permanen Address 1 Address 3 Address 4	Status	Deceased Deceased Whereabouts Unknown Eligible for AR-AP Tracking	Name Value - Relationship Manager -			
Domicile Address Same as Permanen Address Address Address 2 Address 3 Address 4 Bio Cordo	Status	Deceased Deceased Whereabouts Unknown Eligible for AR-AP Tracking	Name Value - Relationship Manager -			
Address 1 Address 2 Address 2 Address 3 Address 3 Address 4		Deceased Deceased Whereabouts Unknown Eligible for AR-AP Tracking	Name Value - Relationship Manager -			
Address 1 Address 2 Address 3 Address 4	Ľ	Deceased Deceased Whereabouts Unknown Eligible for AR-AP Tracking	Value - Relationship Manager			
Address 1 Address 2 Address 3 Address 4	E	Whereabouts Unknown	- Relationship Manager			
Address 2 Address 3 Address 4		Eligible for AR-AP Tracking				
Address 4		Tracking	RM ID			
Address 4						
Pin Code		CRM Customer	RM Name		eld	Active
		Mailers Required	-Combined Statement P	lan		
Country		CLS Participant	compiled statement i	Auto Generated Statement	Ξ 🗶	Yes 💌
Misc Details		Issuer Customer		Plan		Yes *
SWIFT Code		Treasury Customer	Frequency	Select 👻		
Credit Rating		Joint Customer	Statement Day	w.		
Group Code		MT920				
Charge Group		Relationship Pricing				
Clearing Group	ELCM Customer	ELCM Customer				
Tax Group	ELCM Customer Number					
Exposure	CIF Status					
Exposure Category	Since					
Customer						
Classification External Reference						
Number						
Location						
FX Netting Customer						
Media						
SSN					-	
Group MIS Joint Standing Instructions Issuer Cards Linked Account KYC De					1 📤	
Maker	Date Time:	Mod No	itus Documents Char	ge Log		

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

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

					× = 7
Action Load -	Function Type	arent 👻	Function Category		
Function Id STDCIF	Parent Function		Header Template		
Save XML Path STDCIF_RAD.	BROWSE Parent Xml		Footer Template		
Save XML Path STDCIF_RAD.			Footer Template	Maint Audit 👻	
	Block Field Properties				3
ADDRLN3	Field Name * WHRUNKN		MUDUNICH	_	Required
ADDRLN2 ADDRLN4		XSD Tag			
	Field Label LBL_WHRUNKN	XSD Annotation			Visible
SNAME	DataSource STTMS_CUSTOMER	Field Size	*		Read Only
NLTY	Column Name * WHEREABOUTS_UNKN	IOW Maximum Length	1		Calender Text
LBRN	Data Type * Char -	Minimum Value			Popup Edit Re
CCATEG	E Display Type CheckBox -				Uppercase On
FULLNAME		Maximum Value		-	
CIFCREATIONDT		Maximum Decimals	3		LOV Validation Required
ISELCMCUST	Parent Field	TextArea Rows	3		Input by LOV O
ELCMCUSTNO	Related Block	TextArea Columns		-	
AR_AP_TRACKING	Related Field *	Default Value			Not Required I
EXPONTRY	LOV Name	·			Report Parame
CIDNAME UIDNAME	Off Line LOV Name	Preview Value			
DIDVAL .		Maskld	i 🥂		
FROZEN	Fieldset Name FST_STATUS				
DEAD	Custom Attributes Events				
WHRUNKN					+ -
CRRATE MEDIA					
SSN	Attribute Name	Attribute Value	Active	Position	
SWIFTCD	m lass			100	
LOC	OFF F	Ν	Yes	r [1	
MAILRSREQD	ON A	Y	Yes	2	
GRPCD					
EXPCAT					
CUSTCLASSEN					
CIFSTAT					
CIFSTATSNC					
CHGGRP					
CUSTCLGGRP					
TAXGROUP					
CLSPARTICIPANT					Ŧ

Fig 3.3.2: Setting the field invisible

🔷 Customer						××		7
New 🕞 Enter Query	1							
Туре	 Individual Corporate Bank 	Full Name Short Name * Branch Code	K	Customer Category	Private Customer	Î.		
Customer No *	P						A	
Personal Corporate Ad	dditional Director Auxiliary Che	eck List						
Domicile Address		Status		Identifier				
	Same as Permanent Address	-	Frozen Deceased	Name Value				
Address 1		L	Eligible for AR-AP	Polotionobin Managar				
Address 2			Tracking	- Relationship Manager				
Address 3 Address 4			CRM Customer	RM ID RM Name			+	
Pin Code			Mailers Required				live	
Country			CLS Participant	- Combined Statement F	Plan	= Yet	3 🕶	
Anne sectores			Issuer Customer Treasury Customer		Auto Generated Statement Plan	Yes	3 *	
Misc Details			Joint Customer	Frequency	Select -			
SWIFT Code			MT920	Statement Day	*			
Credit Rating			Relationship Pricing					
Group Code			ELCM Customer					
Charge Group Clearing Group		ELCM Customer						
Tax Group		Number CIF Status						
Exposure		Since						
Exposure Category		Sinto						
Customer Classification								
External Reference Number Location								
FX Netting Customer								
Media								
SSN						-		
and the second					0 Domestic Professional	A		
10 Vice Av.	iked Account KYC Details	5.00 C	1984 444444	itus Documents Chai	nge Log			
Maker Checker	Date	e Time:	Mod No Record Status					
Checker	Det	e 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	r				
Type Customer No *	 Individual Corporate Bank 	Full Name Short Name * Branch Code ry Check List		Customer Category *	Private Customer
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 Clearing Group Tax Group Exposure Exposure Category Customer Classification External Reference Number	Same as Permanent		 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 	Name Value - Relationship Manager RM ID RM Name - Combined Statement PI Frequency Statement Day	an E
Location FX Netting Customer Media SSN Group MIS Joint		Linked Entities Text F ails Joint Venture Accoun			
Issuer Cards Lin Maker Checker	INTE DEL	Date Time: Date Time: 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.

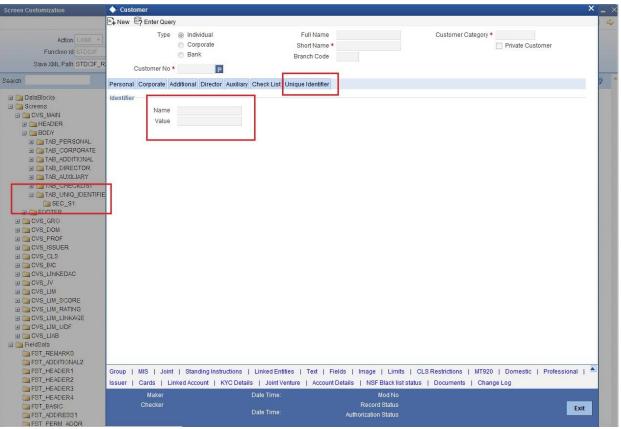


Fig 3.3.5: Section 'Unique Identifier' moved to a new tab



Development Workbench - Screen Customizer

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