Development Workbench – Screen Customizer Oracle Banking Trade Finance Release 14.7.6.0.0 Part No. G32642-01

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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		
🛛 🧰 Screens		
) 🚞 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. earch	BROWSE Block Field Properti	Function Type Parent Parent Function Parent Xml PS		Header Temp		-
DataBlocks DataBlocks DLK_CUSTOMER DLK_CUSTCORPOR DLK_CUSTCORPOR DLK_CUSTCOCPOR DLK_CUSTCOCPOR DLK_CUSTCOCPOR DLK_CUSTCOCPOR DLK_CUSTCOCPOR DLK_CUSTCORPOR DLK_CUSTSHHOLD DLK_CUSTSHHOLD DLK_CUSTSHHOLD DLK_CUSTSHHOLD DLK_SUSTCRITC DLK_SUSTCRITC DLK_SUSTCRITC DLK_SUCRUSTCRIST DLK_LSUCRUSTS DLK_LSUSTCRIST DLK_LSUCRUSTS DLK_LSUSTCRIST DLK_LSUSTCRIST DLK_LSUSTCRIST DLK_LSUSTCRIST DLK_LSUCRUSTS DLK_LSUSTCRIST DLK_LSUCRUSTS DLK_LSUSTCRIST DLK_LSUCRUSTS	DataSource Column Name * Data Type * Display Type Item Type Parent Field Related Block Related Field LOV Name Off Line LOV Name Fieldset Name	BL_FLDNAM	XSD Tag XSD Annotation Field Size * Maximum Length Minimum Value Maximum Value Maximum Value Maximum Decimals TextArea Rows TextArea Columns Default Value Preview Value Mask Id			Required  Visible  Read Only  Calender Text  Oppercase Only  LOV Validation  Required  Not Required In Xsd  Report Parameter
<ul> <li>BLK_LIAB_SCORE</li> <li>BLK_LIAB_RATING</li> <li>BLK_LIAB_RATING</li> <li>BLK_LIAB_RATING</li> <li>BLK_LIAB_UDF</li> <li>FLDVAL</li> <li>DATATYP</li> <li>VALTYP</li> <li>BLK_CUSTSEGMENT</li> <li>Screens</li> <li>FieldSets</li> </ul>		ribute 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

Screen 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 👻
Search	Fieldset Properties				- x 🤪
	Fieldset Name FST HEADER1 Fieldset Label Data Block BLK_CUSTOMER Muti Record No * View Type Single * Fieldset Height	Jock Fields	Screen Name Screen Portion Tab Name Section Name Partition Name Number Of Rows	CVS MAIN Header TAB_HEADER SEC_1 PAR11 ieldSet Fields Subpart	<ul> <li>Horizontal Fieldset</li> <li>ReadOnly</li> <li>Navigation Button</li> <li>Visible</li> </ul>

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 Customizat	ion				 , × = 7 g 4
Front-En	d Files System Packages Main Package Spec Main Package Body Notification Trogers Upload Package Spec Upload Package Body	Hook Paskages Kemel Package Spec Cluster Package Spec Cluster Package Body Cluster Package Body	Monu Details Dalas ource Details CUV Details Block Details Screen Details	leia Data Label Details Block PK Columns Function Call Forms Gateway Details Notification Details	Others *
SLNo		Custom Package Body nformation Error Description	Amendable Details	Function Parameters	Archive Table Definition
1	STDCIF.xml STDCIF_SYS.js	et872_			
3	STDOIF_RAD.xml				Generaled
				Ok	
					Generate
	Do you want to open or save <b>RAD.ZIP</b> fr	om <b>10.184.132.100</b> ?		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.

A New ? Enter Query					-	
Type () Indi Cor Bar Customer No *	rporate nk	Full Name Short Name * Branch Code	Customer Category	Private Customer		
	P					
Personal Corporate Additional	Director Auxiliary Check List					
Domicile Address	- Status		Identifier			
	me as Permanent	Frozen	Name			
A debuger of d	dress	Deceased	Value			
Address 1 Address 2		Whereabout	-Relationship Manager			
Address 3		Eligible for A	AR-AP RM ID			
Address 4		Tracking CRM Custor	mer RM Name		eld	Active
Pin Code		Mailers Reg		Dian		Yes *
Country		CLS Particip	Contraction of the Contraction o	Auto Generated Statement	E	
Misc Details		Ssuer Cust	omer	Plan		Yes *
SWIFT Code		Treasury Cu	istomer Frequency	Select 👻		
Credit Rating		Joint Custor	mer Statement Day	×		
Group Code		MT920				
Charge Group		Relationship				
Clearing Group	-	CM Customer	omer			
Tax Group		Number				
Exposure		CIF Status				
Exposure Category		Since				
Customer						
External Reference						
Number						
Location FX Netting Customer						
Media						
SSN						
	ding Instructions 1. Linked Entiti	a I Tayt I Fielde I Image	Limits   CLS Restrictions   MT92	0   Domostic   Professional	-	
	-		Black list status   Documents   Cha			

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

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

Action Load -					
	Function Type Par	ent 👻	Function Category	Maintenance 👻	
Function Id STDCIF	Parent Function		Header Template		
Save XML Path STDCIF_RAD.	BROWSE Parent Xml		Footer Template	Maint Audit 👻	
	Block Field Properties				3
ADDRLN3	• · · · · · · · · · · · · · · · · · · ·				
ADDRLN2	Field Name * WHRUNKN	XSD Tag	WHRUNKN		Required
ADDRLN4	Field Label LBL_WHRUNKN	XSD Annotation			Visible
COUNTRY	DataSource STTMS_CUSTOMER	Field Size *			Read Only
	Column Name * WHEREABOUTS_UNKNO	Maximum Length	1		Calender Text
DINETY DISTRICTION	Data Type * Char -			1.2	Popup Edit Re
CCATEG		Minimum Value			
FULLNAME	Display Type CheckBox -	Maximum Value			Uppercase On
	Item Type Database Item 👻	Maximum Decimals		1	LOV Validation
ISELCMCUST	Parent Field	TextArea Rows			Required
ELCMCUSTNO	Related Block	*		F	Input by LOV O
AR_AP_TRACKING	Related Field	TextArea Columns		Г	Not Required I
EXPONTRY		Default Value	N	Г	Report Parame
UIDNAME	LOV Name	Preview Value			
DIDVAL	Off Line LOV Name	- Mask Id	×=		
FROZEN	Fieldset Name FST_STATUS				
DEAD	Custom Attributes Events				
MHRUNKN	Custom Attitudes Events				
CRRATE					+ -
MEDIA	Attribute Name	Attribute Value	Active	Position	*
C SSN	Attribute Name	Attribute value	Active	T OSIGOT	
SWIFTCD	OFF A	N	Yes	▼ 1	
LOC		Y.	Merel		
MAILRSREQD		1	Yes	2	
GRPCD					
EXPCAT					
CUSTCLASSEN					
CIFSTAT					
CHGGRP					
CUSTCLGGRP					
					-
CLSPARTICIPANT					

Fig 3.3.2: Setting the field invisible

🔶 Customer					×	×
📑 New 🔄 Enter Que	ary					
р Туре ө	<ul> <li>Individual</li> <li>Corporate</li> <li>Bank</li> </ul>	Full Name Short Name <sup>a</sup> Branch Code	*	Customer Category	Private Customer	
Customer No	* P					
	Additional Director Auxiliary C	heck List				
Domicile Address		Status		Identifier		
	Same as Permanent Address	-	Frozen     Deceased	Name Value		
Address 1 Address 2			Eligible for AR-AP	- Relationship Manager		
Address 2 Address 3			Tracking	RM ID		
Address			CRM Customer	RM Name		
			Mailers Required			Active
Country			CLS Participant	- Combined Statement P	-	Yes 💌
			Treasury Customer		Auto Generated Statement Plan	Yes *
Misc Details			Joint Customer	Frequency	Select -	
S SWIFT Code			MT920	Statement Day		
Cicult (duli)			Relationship Pricing			
elt Charge Group			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						-
	nt   Standing Instructions   I inked Account   KYC Details				0   Domestic   Professional   🎴	
Maker	D	ate Time:	Mod No			
Checker			Record 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 Query	r				
Type Customer No *	<ul> <li>Individual</li> <li>Corporate</li> <li>Bank</li> </ul>	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		<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>	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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