Development Workbench – Screen Customizer Oracle FLEXCUBE Universal Banking Release 14.7.1.0.0 Part No. F77194-01 [May] [2023]

FINANCIAL SERVICES

Contents

1	Pre	face	3
	1.1	Audience	3
	1.2	Related Documents	3
2	Intro	oduction	3
3	Scr	een Customizer	4
	3.1	DataBlocks	4
	3.1.	1 Data Block Field	4
	3.2	Screens	5
	3.3	FieldSet	6
4	Ger	nerated Units	6
5	Exa	mples	7

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	User Manuals
FLEXCUBE Development Workbench	
for Universal Banking	

1.2 Related Documents

Oracle FLEXCUBE Enterprise Limits and Collateral Management ODT Screen Development

Development Workbench - Screen Development II

2 Introduction

This document gives information about the following topics:

- Chapter 2, "Introduction"
- 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

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		
) 🚞 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	Function Category Maintenance Header Temptate None Footer Temptate Maint Audit
Search	Block Field Properties	🖬 🖗
DataBlocks DataBlocks DataBlocks DataBlocks DataBlocks DataBlocks DataBlocks DataBlockCUSTORP DataBlockCUSTCORP DataBlockCUSTORP DataBlockCUSTORP DataBlockCUSTGRP DataBlockCUSTSHHOLD DataBlockCUSTPROF DataBlockCUSTPROF DataBlockCUSTPROF DataBlockCUSTPROF DataBlockCUSTPROF DataBlockCUSTPROF DataBlockCUSTC DataBlo	Field Name * FLDNAM Field Label BL_FLDNAM * DataSource STWS_CUST_LIAB_UDF Column Name * FIELD_NAME Data Type * Varchar2 ~ Display Type Item Type Database Item ~ Parent Field ~ Related Block Related Field ~ LOV Name Off Line LOV Name FIELDANME FST_LIAB_UDF Custom Attributes Events Related Field	XSD Tag FLDNAM Required XSD Annotation Visible Field Size * Read Only Maximum Length 105 Calender Text Minimum Value Oppercase Only Visible Maximum Value Uppercase Only Uppercase Only Maximum Decimals FLOV Validation Required TextArea Rows Input by LOV Only Not Required in Xsd V TextArea Columns Report Parameter V Mask Id FE
 BLK_LIAB_RATING BLK_LIAB_INKAGE BLK_LIAB_UDF FLDVAL DLATYP 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

								_
								🖫 🗶 🗏 7 🤤
Action Load -		Function Type Parent]				on Category Maintenance er Template None 🚽	*
Save XML Path STDCIF_RAD.	BROWSE	Parent Xml					er Template Maint Audit	_
Save XML Path STDCIF_RAD.						FOOLE	ar remplate Maint Audit	_
earch	Fieldset Prop	perties						- 🗷 🌍
DataBlocks Screens FieldSets FST_REMARKS FST_ADDITIONAL2 FST_HEADER3 FST_HEADER3 FST_HEADER3 FST_HEADER4 FST_BASIC FST_ADDITIONAL1 FST_PENI_ADDR FST_PENI_ADDR FST_PASSPORT FST_ADDRONAL1 FST_PASSPORT FST_ADDRONAL1 FST_ADDRESS2 FST_DOWOF_ATTONN FST_ADDRESS2 FST_DOMICILE FST_ADDRESS2 FST_STATUS FST_STATUS FST_STATUS FST_STATUS FST_STATUS FST_STATUS FST_OONICILE FST_STATUS FST_OONICILE FST_DOMICILE FST_DICOMPORATION FST_STATUS FST_OONICILE FST_OONICILE	Fieldset Fieldset Data Multi R	Name FST_HEADER1		Scri Ser Part Numb	reen Name een Portion Tab Name cition Name er Of Rows	CVS_MAIN Header TAB_HEADER SEC_1 PART1	V V V V 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

Front-End Files	System Paokages	Hook Packages	A	Aela Data		Others	
] RadXML] Screen Xmi] System JS	Main Package Spec Main Package Body Nohihcation Triggers Upload Package Spec Upload Package Body	Kemel Package Spec Kemel Package Body Cluster Package Spec Cluster Package Body Custor Package Body Custor Package Body Custor Package Body Custor Package Body	Menu Cretails Dalasource Cretails LCV Delails Block Details Screen Delails Amendable Delails	Label Details Block PK Columns Function Call Forms Gateway Details Notification Details Function Parameters	Screen Upload	Ih Annotations Htmi Table Trigger Tables Definition Table Definition	
SLNo		Error Description		Error Code		Status	
S	TDCIF.xml	Request successfully Process	sed	RD-SAVE-007		¥	
S	TDCIF_9YS.js					*	
8	TDCIF_RAD.xml					*	
				Ok			
						Generate	Exit

Fig 4.1: Generation of files in Screen Customizer

5 Examples

Example 1:

Requirement: Hide a Field in the screen

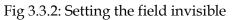
Below screenshots shows how Screen Customizer can be used for this purpose.

lew D Enter Query					
				and the second second second	
Туре	 Individual 	Full Name		Customer Category *	Q
	O Corporate	Short Name		Private Customer	
	🔘 Bank	Branch Code			
Special Customer No Generation					
Customer No	P				
Personal	Corporate	Additional	Director Auxiliary	Check List	MFI Details
Domicile Address		Status		Identifier	
Same as Permanent Address		Frozen		Unique ID Name	Q
Address Code	0,0	Deceased		Value	
Address 1		Whereabouts Unknown		Relationship Manage	r
Address 2				RM ID	Q
Address 3		Eligible for AR-AP Tracking		RM ID RM Name	4
Address 4		CRM Customer			
Pincode		Mailers Required		Combined Statement	Plan
Country	Q			Auto Generated Statement Plan	
Misc Details		Investment Customer		Frequency	Select
SWIFT Code		Joint Customer		Statement Day	
Group Code	Q	Statement Request		Sanction Check	
Access Group	Q	Relationship Pricing		Sanction Check Required At	
Charge Group	Q	Withholding Tax Applicable		Transaction Level	
Clearing Group	Q	CIF Status			
Tax Group	Q	Since			
Exposure	Q	Risk Category	Q		
Customer Classification	Q	Sanction Check Status	Not Required		
External Reference Number			Fetch		
Location *	Q				
FX Netting Customer	Q				
Media *	Q				
SSN					

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

				1	, 0			
Screen	Customization							-
							🗄 🗶	🗏 🖗 🍯
	Action Load -		Function Type Par	rent -	Function Cat	egory Ma	intenance 👻	
	Function Id STDCIF		Parent Function		Header Tem	plate No	ne 🔻	
	Save XML Path STDCIF_RAD.	BROWSE	Parent Xml		Footer Tem	plate Ma	int Audit 👻	
Search		Block Fie	ld Properties					a 9
		*				-	- 0	
	ADDRLN2	Fi	ield Name * WHRUNKN		XSD Tag WHRUNKN		E Req	_
	DDRLN4	F	ield Label LBL_WHRUNKN		XSD Annotation	\sim	🗖 Visib	ole
	COUNTRY	Di	ataSource STTMS_CUSTOMER		Field Size *		Rea	d Only
	SNAME	Colu	mn Name * WHEREABOUTS_UNKNO	w	Maximum Length 1	1	Cale	nder Text
	NLTY					_		
	LBRN CCATEG				Minimum Value			up Edit Required
	FULLNAME	= Dis	splay Type CheckBox -		Maximum Value		Upp	ercase Only
			Item Type Database Item 👻		Maximum Decimals	1		Validation
	ISELCMCUST	Pa	arent Field	-	TextArea Rows	ĩ		uired
	ELCMCUSTNO	Rela	ated Block	-		-	🗖 Inpu	t by LOV Only
	AR_AP_TRACKING		lated Field		TextArea Columns		Not F	Required In Xsd
	EXPONTRY				Default Value N	* =	E Rep	ort Parameter
			OV Name		Preview Value			
		Off Line L	OV Name	Ŧ	MaskId	* E		
	FROZEN	Field	Iset Name FST_STATUS		Waskiu			
	DEAD	(
	WHRUNKN	Custom Att	tributes Events					1
	CRRATE							+ -
	MEDIA							*
	SSN		Attribute Name		Attribute Value	Active	Position	
	SWIFTCD	OFF	1	N		Yes 👻	1	
	LOC							-
	MAILRSREQD	I ON	>	Y		Yes 🔻	2	
	CRPCD GRPCD							
	EXPCAT							
	CUSTCLASSFN							
	CIFSTAT							
	CIFSTATSNC							
	CHGGRP							
	CUSTCLGGRP							
	TAXGROUP							
	CLSPARTICIPANT							∇
	EXNETTCUST							
	🚞 XREF							

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



New D Enter Query										
									ant excession and a	
Туре	Individual				Full Nar	ne			Customer Category *	0
	O Corporate				Short Nar	ne			Private Customer	
	O Bank				Branch Co	de				
Special Customer No Generation										
Customer No		P								
Personal	Corporate	107 <u>155</u>	Additio	nal	1925-2	Dire	ctor	Auxiliary	Check List	MFI Details
Domicile Address				Status					Identifier	
Same as Permanent Address					Froz	en 🗌			Unique ID Name	0
Address Code		QP			Deceas	ed			Value	
Address 1									Relationship Manage	r
Address 2									RM ID	0
Address 3				Eligible fo	r AR-AP Tracki	ng			RM Name	
Address 4					CRM Custom	ner 🗌				
Pincode					Mailers Requir	ed			Combined Statement	t Plan
Country		Q							Auto Generated Statement Plan	
Misc Details				Inve	stment Custom				Frequency	Select
SWIFT Code					Joint Custom	her			Statement Day	
Group Code		Q		S	atement Reque	est			Sanction Check	
Access Group		Q		Re	lationship Prici	ng			Sanction Check Required At	
Charge Group		Q		Withholdi	ng Tax Applicat	ble			Transaction Level	
Clearing Group		Q			CIF Stat	us				
Tax Group		Q			Sin	ice				
Exposure		Q			Risk Catego	ory		Q		
Customer Classification		Q		Sanc	tion Check Stat	us	Not Required			
External Reference Number							Fetch			
Location *		Q								
FX Netting Customer		Q								
Media *		Q								

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

New D Enter Query					
Туре	 Individual 	Full Name		• Customer Category *	Q
	O Corporate	Short Name		Private Customer	
	O Bank	Branch Code			
Special Customer No Generation					
Customer No	P				
Personal	Corporate	Additional	Director Auxiliary	Check List	MFI Details
Domicile Address		Status		Identifier	
Same as Permanent Address		Frozen		Unique ID Name	Q
Address Code	0,0	Deceased		Value	
Address 1		Whereabouts Unknown		Relationship Manage	r
Address 2		The cabout of the office		RM ID	Q
Address 3		Eligible for AR-AP Tracking		RM Name	4
Address 4		CRM Customer		No Nome	
Pincode		Mailers Required		Combined Statement	Plan
Country	Q	Investment Customer		Auto Generated Statement Plan	
Misc Details				Frequency	Select
SWIFT Code		Joint Customer		Statement Day	
Group Code	Q	Statement Request		Sanction Check	
Access Group	Q	Relationship Pricing		Sanction Check Required At	
Charge Group	Q	Withholding Tax Applicable		Transaction Level	
Clearing Group	Q	CIF Status			
Tax Group	Q	Since			
Exposure	Q	Risk Category	Q		
Customer Classification	Q	Sanction Check Status	Not Required		
External Reference Number			Fetch		
Location *	Q				
FX Netting Customer	Q				
Media *	Q				
SSN					

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.

Customer Maintena	nce									:-
🖹 New 🏳 Enter Query) Bank			Branch Co	de					
Special Customer No Generation				Dianeireo						
Customer No		Р								
Personal	Corporate	Additiona	al	Di	rector	Check	List	MFI Details	Unique Ide	entifier
Identifier										
Unique ID Name		Q								
Value										

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



Development Workbench - Screen Customizer [May] [2023] Version 14.7.1.0.0

Oracle Financial Services Software Limited Oracle Park Off Western Express Highway Goregaon (East) Mumbai, Maharashtra 400 063 India

Worldwide Inquiries: Phone: +91 22 6718 3000 Fax:+91 22 6718 3001 www.oracle.com/financialservices/

Copyright © 2007, 2023, Oracle and/or its affiliates. All rights reserved.

Oracle and Java are registered trademarks of Oracle and/or its affiliates. Other names may be trademarks of their respective owners.

U.S. GOVERNMENT END USERS: Oracle programs, including any operating system, integrated software, any programs installed on the hardware, and/or documentation, delivered to U.S. Government end users are "commercial computer software" pursuant to the applicable Federal Acquisition Regulation and agency-specific supplemental regulations. As such, use, duplication, disclosure, modification, and adaptation of the programs, including any operating system, integrated software, any programs installed on the hardware, and/or documentation, shall be subject to license terms and license restrictions applicable to the programs. No other rights are granted to the U.S. Government.

This software or hardware is developed for general use in a variety of information management applications. It is not developed or intended for use in any inherently dangerous applications, including applications that may create a risk of personal injury. If you use this software or hardware in dangerous applications, then you shall be responsible to take all appropriate failsafe, backup, redundancy, and other measures to ensure its safe use. Oracle Corporation and its affiliates disclaim any liability for any damages caused by use of this software or hardware in dangerous applications.

This software and related documentation are provided under a license agreement containing restrictions on use and disclosure and are protected by intellectual property laws. Except as expressly permitted in your license agreement or allowed by law, you may not use, copy, reproduce, translate, broadcast, modify, license, transmit, distribute, exhibit, perform, publish or display any part, in any form, or by any means. Reverse engineering, disassembly, or decompilation of this software, unless required by law for interoperability, is prohibited.

The information contained herein is subject to change without notice and is not warranted to be error-free. If you find any errors, please report them to us in writing.

This software or hardware and documentation may provide access to or information on content, products and services from third parties. Oracle Corporation and its affiliates are not responsible for and expressly disclaim all warranties of any kind with respect to third-party content, products, and services. Oracle Corporation and its affiliates will not be responsible for any loss, costs, or damages incurred due to your access to or use of third-party content, products, or services.