Development Workbench – Screen Customizer Oracle FLEXCUBE Universal Banking Release 14.4.0.2.0 Part No. F36581-01 [November] [2020]



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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

						< 🔳	¥	9	⇔
Action Load -	Function Type	-		gory Maintenance	Ŧ				
Function Id STDCIF Save XML Path STDCIF_RAD.	Parent Function BROWSE Parent Xml		Header Temp	late None 👻	-				
	Paleit XIII		Pooler remp	nate maint Audit					
Search									1
😠 🚞 DataBlocks 😠 🚞 Screens									
Greens     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				-
				🖫 🗵 🗏 7 🤤
Search	Function Type Parent Parent Function BROWSE Parent Xml Block Field Properties		Function Category Mainten Header Template None Footer Template Maint Au	
DataBlocks     BLK_CUSTORER     BLK_CUSTORER     BLK_CUSTORPOR     BLK_CUSTCORP     BLK_CUSTCORPOR     BLK_CUSTCORPOR     BLK_CUSTCORPOR     BLK_CUSTCORPOR     BLK_CUSTCORPOR     BLK_CUSTCRP     BLK_CUSTSHHOLD     BLK_CUSTSHHOLD     BLK_CUSTSHHOLD     BLK_CUSTCRF     BLK_CUSTCRF     BLK_CUSTCRF     BLK_CUSTCRF     BLK_LINKEDAC     BLK_LINKEDAC     BLK_CUST_LIAB	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 4 Maximum Length Minimum Value Maximum Value Maximum Value Maximum Value Maximum Decimals TextArea Rows TextArea Columns Default Value TextArea Kows Mask Id	FLDNAM	<ul> <li>Required</li> <li>✓ Visible</li> <li>Read Only</li> <li>Calender Text</li> <li>Popup Edit Required</li> <li>Uppercase Only</li> <li>LOV Validation Required</li> <li>Input by LOV Only</li> <li>Not Required In Xsd</li> <li>Report Parameter</li> </ul>
<ul> <li>BLK_LIAB_SCORE</li> <li>BLK_LIAB_LINKAGE</li> <li>BLK_LIAB_LINKAGE</li> <li>BLK_LIAB_LINKAGE</li> <li>FLDVAL</li> <li>FLDVAL</li> <li>TATATYP</li> <li>ATATYP</li> <li>MLK_CUSTSEGMENT</li> <li>Screens</li> <li>FieldSets</li> </ul>	Fig 3.1.1: Data Bloc	Attribute Value		xition

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 U 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																				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 <b>10.1</b>	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.

New         Enter Query           Type         Individual           Corporate         Bank	Full Name	Customer Category *	<b>↓</b> ♥
<ul> <li>Corporate</li> </ul>		Customer Category *	
0		oubternet outsgory	
S 💿 Bank	Short Name *	Private Customer	
	Branch Code		
Customer No *			
ala Personal Corporate Additional Director	Auxiliary Check List		
Scree - Domicile Address	Status	Identifier	
C Same as Per			
Address			
CN Address 1		reabouts Unknown	
Address 2		- Relationship Manager	
Address 3		Die for AR-AP RM ID	+ -
Address 4	Trac	Customer RM Name	eld Active
C Pin Code		rs Required Combined Statement Plan	
C\ Country		Participant	
CV Misc Details		er Customer Plan	Yes *
IC/		sury Customer Frequency Select -	
C\ SWIFT Code		Customer Statement Day	
C Credit Rating	MT92		
Group Code		ionship Pricing	
Charge Group		/ Customer	
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 Instr	uctions   Linked Entities   Text   Fields	mage   Limits   CLS Restrictions   MT920   Domestic   Professional	a i 🛋
		NSF Black list status   Documents   Change Log	
Maker	Date Time:	Mod No	
Maker Checker	Date Time:	Mod No Record Status	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.

Screen (	Customization						
						🖁 🗶	🗏 🖗 🧃
	Action Load -	Function Type Pa	rent 👻		Function Category Mainte	nance 👻	
	Function Id STDCIF	Parent Function			Header Template None	-	
	Save XML Path STDCIF_RAD.	BROWSE Parent Xml			Footer Template Maint /	Audit 👻	
Search		Block Field Properties					<b>a</b>
	ADDREN3	A					
	MDDRLN2	Field Name * WHRUNKN		XSD Tag WHRUNKN		E Req	
	DDRLN4	Field Label LBL_WHRUNKN	<b>*</b> =	XSD Annotation		🗖 Visi	ble
	COUNTRY	DataSource STTMS_CUSTOMER		Field Size *		🗖 Rea	d Only
	SNAME	Column Name * WHEREABOUTS_UNKN	OW	Maximum Length 1		Cale	ender Text
	DITY LBRN						up Edit Require
				Minimum Value			
	FULLNAME	Display Type CheckBox -		Maximum Value		Upp	ercase Only
		Item Type Database Item 👻		Maximum Decimals			Validation
	ISELCMCUST	Parent Field	~	TextArea Rows			uired
	ELCMCUSTNO	Related Block	~	TextArea Columns		Γ Inpu	it by LOV Only
	AR_AP_TRACKING	Related Field			×=	Not	Required In Xs
	EXPONTRY	LOV Name	~	Default Value N		🗖 Rep	ort Parameter
	DIDNAME			Preview Value			
	iii UIDVAL	Off Line LOV Name		Mask Id	>=		
	E FROZEN	Fieldset Name FST_STATUS					
	DEAD	Custom Attributes Events					
	MHRUNKN						+ -
	CRRATE						+ -
	MEDIA	Attribute Name		Attribute Value	Active	Position	~
	SSN .						
	SWIFTCD	OFF F	N		Yes 🔻 1		
	LOC		v		Yes 🔻 2		
	MAILRSREQD				163 + 2		
	GRPCD						_
	CUSTCLASSEN						
	CIFSTAT						
	CHGGRP						
	TAXGROUP						
	CLSPARTICIPANT						-
	FXNETTCUST						
	XREF						

Fig 3.3.2: Setting the field invisible

Screen Customization		". ×
◆ Customer	×	🛛 🗶 🗑 🖗 🚽
타 New 타 Enter Query		
Type     Individual     Full Name     Customer Category*       Stave     Corporate     Short Name*     Private Customer       Stave     Bank     Branch Code     Private Customer		- 10 3
Catability     Personal Corporate Additional Director Auxiliary Check List     Screens     Domicile Address     Same as Permanent     Frozen     Name		
Generation CVS_1 Address Value		
Eligible for AR-AP     Relationship Manager     CVS_     Address 2     Tracking     PMID		4 -
CRM Customer CRM Customer Mailers Required RM Name		Active
Image: CVS     Pin Code     CLS Participant     - Combined Statement Plan       Image: CVS     Country     Issuer Customer     Auto Generated Statement	E	Yes 🕶
Misc Details Plan		103
Credit Rating		
Group Code ELCM Customer Charge Group ELCM Customer		
Clearing Group Number Tax Group CIF Status		
Exposure Since Since		
Customer Classification		*
External Reference Number Location		
FX Netting Customer Media		
SSN	-	
Group   MIS   Joint   Standing Instructions   Linked Entities   Text   Fields   Image   Limits   CLS Restrictions   MT920   Domestic   Professiona Issuer   Cards   Linked Account   KYC Details   Joint Venture   Account Details   NSF Black list status   Documents   Change Log	≜	
Maker Date Time: Mod No Checker Record Status Date 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	/			
Type Customer No *	Individual Corporate Bank  ditional Director Auxiliar	Full Name Short Name * Branch Code		Customer Category *
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 Tax Group Exposure Exposure Category Customer Classification External Reference Number	Same as Permanent Address	ELCM Customer Number CIF Status Since	<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>Joint 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
Location FX Netting Customer Media SSN Group   MIS   Joint				CLS Restrictions   MT920   Domestic   Professional
Maker Checker		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.

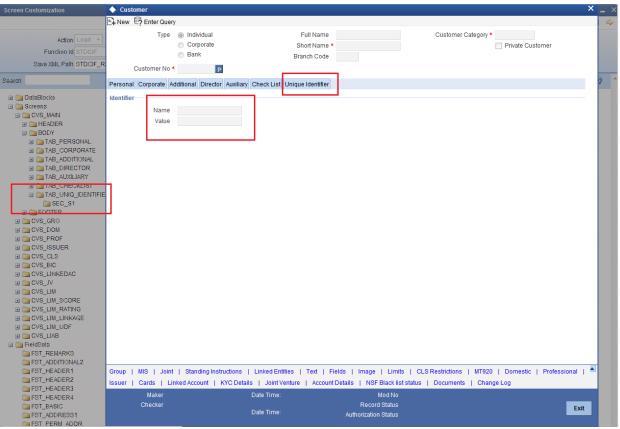


Fig 3.3.5: Section 'Unique Identifier' moved to a new tab



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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/

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