Development Workbench – Screen Customizer Oracle Banking Corporate Lending Release 14.8.0.0.0 Part No. G30443-01 April 2025

FINANCIAL SERVICES

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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

Oracle FLEXCUBE Enterprise Limits and Collateral Management ODT Screen <u>Development</u> Development II

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</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

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		
a 🗀 DataBlocks		
Creens 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

Screen Customization		
Action Load   Function Id STDCIF Save XML Path STDCIF_RAD. Search	Function Type Parent Parent Function BROWSE Parent Xml Block Field Properties	Function Category Maintenance  Header Template None  Footer Template Maint Audit
DataBlocks     BLK_CUSTOMER     BLK_CUSTCORP     BLK_CUSTCORP     BLK_CUSTCORP     BLK_CUSTCORPOR     BLK_CUSTOCOPOR     BLK_CUSTOCHKLIST     BLK_CUSTGRP     BLK_CUSTGRP     BLK_CUSTGNHOLD     BLK_CUSTGNHOLD     BLK_CUSTDMESTIC     BLK_CUSTDMESTIC     BLK_CUSTDMESTIC     BLK_CUSTDMESTIC     BLK_CUSTCHMEST     BLK_UNKEDAC     BLK_UNKEDAC     BLK_LIAB SCORE	Field Name * FLDNAM Field Label LBL_FLDNAM DataSource STWS_CUST_LIAB_UDF Column Name * FIELD_NAME Data Type * Varchar2 ~ Display Type Text ~ DataDase Item ~ Parent Field ~ Related Field ~ LOV Name Off Line LOV Name Fieldset Name FST_LIAB_UDF Custom Attributes Events Related Field	XSD Tag     FLDNAM     Required       XSD Annotation     Visible     Read Only       Field Size •     Read Only     Calender Text       Minimum Value     Oppure Edit Required     Uppercase Only       Maximum Decimals     Visible     Required       TextArea Rows     Input by LOV Only     Not Required in Xso       V     Default Value     Report Parameter       V     Mask Id     Fill
<ul> <li>BLK_LIAB_RATING</li> <li>BLK_LIAB_INKAGE</li> <li>BLK_LIAB_UDF</li> <li>FLDVAL</li> <li>DLATYP</li> <li>VALTYP</li> <li>BLK_CUSTSEGMENT</li> <li>Screens</li> <li>FieldSets</li> </ul>	Fig 3.1.1: Data Block	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

creen Customization								
								🗄 🗵 🗏 7 🧐
Action Load  Function Id STDCIF Save XML Path STDCIF_RAD.	BROWSE	Function Type Parent Parent Function Parent Xml	<b>•</b>			Heade	n Category Maintenand r Template None r Template Maint Audit	•
arch	Fieldset Pro	perties						- 🛛 🗳
DataBlocks Screens Screens FST_REMARKS FST_REMARKS FST_HEADER1 FST_HEADER2 FST_HEADER3 FST_HEADER3 FST_HEADER4 FST_HEADER4 FST_HEADER4	Multi F	Label PE Block BLK_CUSTOMER * Record No * v Type Single *		Scre 1 Sed Partit	een Name en Portion Tab Name tion Name tion Name er Of Rows	CVS_MAIN Header TAB_HEADER SEC_1 PART1	• • • •	☐ Horizontal Fieldset ☐ ReadOnly ☐ Navigation Button ☑ Visible
FST_BASIC FST_PERM_ADDR FST_PASSPORT FST_PASSPORT FST_PASSPORT FST_ADDITIONAL1 FST_POWOF_ATTORNEY FST_BUSN_DESC FST_DADDREDSC FST_INCORPORATION FST_BUSN_DESC FST_DOMICILE FST_DOMICILE FST_DOMICILE FST_STATUS2 FST_STATUS2 FST_CORPDIR1 FST_CORPDIR3 FST_CORPDIR3 FST_CORPDIR3 FST_CORPDIR3 FST_CORPDIR3 FST_CORPDIR4 FST_CORPOIR4 FST_CORPOIR4 FST_CHECKLIST FST_FT_CHECKLIST FST_FT_CHECKLIST FST_FT_CHECKLIST FST_FT_FT_FT_FT_FT_FT_FT_FT_FT_FT_FT_FT_FT	E	Data Block Fields	Ţ		CTYPE	FieldSet Fields	Subpartition Nam	

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 Paokages	Me	Na Data	Others	
RadXML Screen Xml System JS	Main Package Spec Main Package Body Nolification Triggers Upload Package Body Upload Package Body	Kemel Package Spec Kemel Package Body Cluster Package Spec Cluster Package Body Custom Package Spec Custom Package Body	Menu Details Dalasource Details LOV Delails Block Details Screen Delails Amendable Delails	Label Details Block PK Columns Function Call Forms Gateway Details Notification Details Function Parameters	Xsds Xsd Wilh Annotations Screen Htmi Upload Table Trigger Upload Tables Delini Archive Table Delinili	lion
SLNo		Error Description		Error Code	Status	
	DCIF.xml	Request successfully Process	sed	RD-SAVE-007	Generalød *	
	DCIF_\$YS.js				Generaled +	
ST	DCIF_RAD.xml				Generaled *	
	L					
					Gener	rate Exi

Fig 4.1: Generation of files in Screen Customizer

# 5 Examples

## Example 1:

Requirement: Hide a Field in the screen

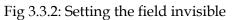
Below screenshots shows how Screen Customizer can be used for this purpose.

Type     Individual       Corporate     Short Name       Bank     Branch Code       Special Customer No     Private Customer       Customer No     P	tomer Maintenand	e				10
Specific Composition   Specific Composition   Specific Composition   Specific Composition   Consomer No     Personal   Consomer No     Personal   Consomer No     Specific Composition   Address 0   Address 0 <t< th=""><th>New D Enter Query</th><th></th><th></th><th></th><th></th><th></th></t<>	New D Enter Query					
Specific Composition   Specific Composition   Specific Composition   Specific Composition   Consomer No     Personal   Consomer No     Personal   Consomer No     Specific Composition   Address 0   Address 0 <t< th=""><th>Type</th><th>Individual</th><th>Full Name</th><th></th><th>Customer Category *</th><th>Q</th></t<>	Type	Individual	Full Name		Customer Category *	Q
Seciel Customer No P     Customer No Corporate     Customer No Corporate     Series A Permanent Address     Address Cute   Pincula   Bingibile for ARI-AP Tacking   Customer   Bingibile for ARI-AP Tacking   Customer   Customer   Suffic Cutes   Group Cute   Suffic Cut			Short Name			
Secaral ConnerNo       Corporate       Additional       Director       Austilary       Check List       MEI Deality         Personal       Corporate       Additional       Director       Austilary       Check List       MEI Deality         Domicile Address						
Generation       Corporate       Additional       Director       Austiliary       Check List       MFI Details         Personal       Corporate       Additional       Director       Austiliary       Check List       MFI Details         Same as Permanent Address       Status       Identifier       Unique ID Name       Usice       Identifier         Address Code       One Comport       Forzen       One Comport       Nalide       Identifier         Address 2       One Comport       Decessed       One Comport       Nalide       Identifier         Address 2       One Comport       Eligible for AR.AP Tracking       One Comport       Nalide       Nalide       Image ID Name       Image ID Name <td< td=""><td>Special Customer No</td><td></td><td></td><td></td><td></td><td></td></td<>	Special Customer No					
Personal       Corporate       Additional       Director       Ausiliary       Check List       MET Details         Domicile Address						
Domicile Address   Same as Permanent Address   Address Code   Address 1   Address 2   Address 2   Address 2   Address 3   Address 4   Bigible for AR.AP Trecking   Bincode   Country   Misc Details   Swiff Code   Gourgo Code   Grango Group   Charge Group   Costomer Classification   Exernal Reference Number   Bisc bincing Classinger   Status   Nither Classinger   Status   Status   Status   Status   Status   Status   Status   Status   Status   Binote Classinger   Status	Customer No	Р				
Seme as Permanent Address	Personal	Corporate	Additional	Director Auxili	ary Check List	MFI Details
Address 1	Domicile Address		Status		Identifier	
Address 1       Image: Control of the con	Same as Permanent Address		Frozen		Unique ID Name	Q
Address 1	Address Code		Deceased		Value	
Address 2	Address 1				Relationship Manage	r
Address 3       Image: Bigble for AR-AP Tracking       Image: AR-AP Track	Address 2		Whereabouts Onknown			
Address 4	Address 3		Eligible for AR-AP Tracking			٩
mindad     Mailers Required     Auto Generated Statement, Mailers Required       Country     Q     Investment Customer     Mailers Required       Misc Details     Joint Customer     Joint Customer     Required       Swiif Code     Q     Statement Request     Statement Day       Group Code     Q     Statement Request     Statement Day       Group Code     Q     Relationship Priding     Statement Request       Group Code     Q     Withholding Tax Applicable     Statement Request       Charge Group     Q     Gift Status     Statement Required       Tax Group     Q     Risk Graupy     Statement Request       Customer Classification     Sanction Check Status     Not Required       External Reference Number     G     Sanction Check Status     Not Required       Fx Netting Customer     G     Sanction Check Status     Not Required       FX Netting Customer     G     Sanction Check Status     Not Required	Address 4		CRM Customer		RM Name	
Country     Q     Investment Customer     Auto Generated Statement Bin     Frequency     Solect       SWET Code     Statement Request     Investment Customer     Statement Request     Statement Day       Group Code     Q     Relationship Pricing     Investment Customer     Statement Day       Group Code     Q     Relationship Pricing     Investment Customer     Statement Day       Charing Group     Q     Relationship Pricing     Investment Customer     Statement Day       Charing Group     Q     Cif Status     Statement Day     Investment Customer       Tax Group     Q     Cif Status     Statement Day     Investment Customer       Tax Group     Q     Risk Category     Q     Statement Day       Customer Classification     Statement Customer     Not Required     Investment Customer       Location *     Q     Statement Customer     Freich     Investment Customer       FX Netting Customer     Q     Statement Customer     Investment Customer     Investment Customer	Pincode		Mailers Required		Combined Statement	t Plan
Misc Details     Investmen Customer     Investmen Customer     Frequency     Select       SWIFT Code     Joint Customer     Statement Request     Statement Day     Statement Day       Group Code     Q     Statement Request     Statement Request     Statement Request     Statement Customer       Group Code     Q     Relationality Pricing     Statement Request     Statement Customer     Statement Day       Group Code     Q     Withholding Tax Applicable     Investment Customer     Statement Customer     Statement Customer       Clearing Group     Q     Withholding Tax Applicable     Investment Customer     Statement Customer     Statement Customer       Tax Group     Q     Risk Category     Q     Statement Customer     Statement Customer       Customer Classification     Q     Sanction Check Status     Not Required     Statement Customer       Location*     Q     Sanction Check Status     Not Required     Statement Customer       FX Netling Customer     Q     Sanction Check Status     Not Required	Country	Q	13		Auto Generated Statement	
SwilF Code     Joint Customer     Statement Request     Statement Day       Group Code     Code     Statement Request     Statement Request       Access Group     Code     Relationship Pricing     Sanction Check       Charge Group     Code     Withholding Tax Applicable     Sanction Check Required At Transaction Level       Clearing Group     Cif Status     Cif Status     Sanction Check Required At Transaction Level       Tax Group     Code     Sanction Check Required At Transaction Level     Sanction Check Required At Transaction Level       Customer Classification     Code     Sanction Check Status     Not Required       External Reference Number     Sanction Check Status     Not Required       FX Netting Customer     Cioe     Sanction Check Status     Not Required	Miss Details		Investment Customer			Select
Group Code     Gatement Request     Statement Request     Sanction Check       Access Group     Q     Relationship Pricing     Sanction Check Required At Transaction Level       Charge Group     Q     Withholding Tax Applicable     Sanction Check Required At Transaction Level       Clearing Group     Q     Cli Status     Sanction Check Required At Transaction Level       Tax Group     Q     Cli Status     Sanction Check Required At Transaction Level       Exposure     Q     Risk Category     Q       Customer Classification     Q     Sanction Check Status     Not Required       External Reference Number     Sanction Check Status     Not Required     Heat       FX Netting Customer     Q     Sanction Check Status     Not Required			Joint Customer		Statement Day	
Access Group     Classes Group     Relationship Pricing     Sanction Check Required At Transaction Level       Charge Group     Classes Group     Clis Status     Clis Status       Tas Group     Clis Status     Since       Exposure     Classes     Sanction Check Required At Transaction Level       Customer Classification     Sanction Check Required At Transaction Level       Customer Classification     Sanction Check Required At Transaction Level       FX Netting Customer     Sanction Check Status       FX Netting Customer     Classes			Statement Request		Constitute Chards	
Charge Group     Q     Withholding Tax Applicable     Transaction Level       Clearing Group     Q     CleF Status     Intervention Clearing       Tax Group     Q     CleF Status     Intervention Clearing       Tax Group     Q     Risk Category     Q       Customer Classification     CleF Status     Not Required       External Reference Number     Fetch       Location     Q     Fetch			Relationship Pricing			
Charge Group     Q       Clearing Group     Q       Tax Group     Q       Tax Group     Q       Since     Since       Exposure     Q       Customer Classification     Q       External Reference Number     Fetch       FX Netting Customer     Q			Withholding Tax Applicable		Transaction Level	
Tax Group     Q     Since       Exposure     Q     Risk Category     Q       Customer Classification     Q     Sanction Check Status     Not Required       External Reference Number     Fetch     Fetch       Location*     Q     Sanction Check Status     Not Required						
Exposure     Q     Risk Category     Q       Customer Classification     Q     Sanction Check Status     Not Required       External Reference Number     Fetch     Fetch       Costom r     Q     Fetch						
Customer Classification     O       External Reference Number     Fetch       Location *     O       FX Netting Customer     O						
External Reference Number Etch Location * Q FX Netting Customer Q						
Location Q FX Netting Customer Q		Q	Sanction Check Status			
FX Netting Customer Q				Petch		
Media " Q	-					
55N		Q				

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

Screen C	Customization			- <b>T</b> -							_
							l	1	× =	V	9
	Action Load -		Function Type Pa	irent	- Function Cat	egory Ma	iintenance 👻				
	Function Id STDCIF		Parent Function		Header Tem	plate No	ne 🔻				
	Save XML Path STDCIF_RAD.	BROWS	Parent Xml		Footer Tem	plate Ma	int Audit 🗖				
		DI							_		
Search		BIOC	k Field Properties								a 🧳
	ADDRLN3	^	Field Name * WHRUNKN		XSD Tag WHRUNKN	1			Require	d	
	ADDRLN4			<b>*</b>					/isible		
	COUNTRY				XSD Annotation		L	A	_		
	SNAME		DataSource STTMS_CUSTOMER		Field Size *				Read O	nly	
	NLTY		Column Name * WHEREABOUTS_UNKN	ow	Maximum Length 1	]			Calende	er Text	
	🗀 LBRN		Data Type * Char 👻		Minimum Value	1		E F	Popup E	Edit Re	quired
	CCATEG	=	Display Type CheckBox -		Maximum Value	i		пι	Jpperca	ase Or	ily
	TULLNAME		Item Type Database Item 👻		Maximum Decimals	1			.OV Val		
	CIFCREATIONDT			~		1			Require		
	ISELCMCUST		Related Block		TextArea Rows			E li	nput by	LOV	nly
					TextArea Columns				lot Rec	uired	n Xsd
	AR_AP_TRACKING		Related Field		Default Value N	<b>*</b> =			Report P		
			LOV Name		Preview Value	1			oponti	aram	CICI
		Off	Line LOV Name		MaskId	*=					
	FROZEN		Fieldset Name FST_STATUS		Maskiu						
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	CRRATE								+	-	
	🚞 MEDIA		Attribute Name		Attribute Value	Active	Positi	0.0		~	
	C SSN		Attribute Name		Attribute value	Acuve	POSID	011			
	SWIFTCD		FF 🗾	N		Yes 👻	1				
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	GRPCD										
	EXPCAT CUSTCLASSFN										
	CIFSTAT										
	CHGGRP										
	CUSTCLGGRP										
	TAXGROUP										
	CLSPARTICIPANT									-	
	FXNETTCUST										
	XREF										

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



stomer Maintenand	e				
New 🟳 Enter Query				HI.ZARANANA	
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	Q 🗖	Deceased		Value	
Address 1				Relationship Manage	r
Address 2				RMID	Q
Address 3		Eligible for AR-AP Tracking		RM Name	~
Address 4		CRM Customer			
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 3.3.3: 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

stomer Maintena	nce										
New D Enter Query									出来建筑和高		
Тур	e <ul> <li>Individual</li> </ul>				Full Na	ame			Customer Category		Q
	O Corporate				Short Na	ame			Private Customer		
	O Bank				Branch C	ode					
Special Customer N											
Generatio											
Customer N	0	Р									
Personal	Corporate		Additi	onal		Dire	ctor	Auxiliary	Check List	N	1FI Details
Domicile Address			E.	Status					Identifier		
Same as Permanent Addres	is D				Fro	zen			Unique ID Name		Q
Address Coo		QP			Decea				Value		
Address		~~									
Address				When	eabouts Unkno	own			Relationship Manage	er	
Address				Eligible fo	or AR-AP Track	king			RM ID		Q
Address					CRM Custo	mar			RM Name		
Pincoo									Combined Statemen	t Plan	
Counti		Q			Mailers Requi	ired			Auto Generated Statement		
	y	Q		Inve	stment Custo	mer			Plan Frequency	Select	
Misc Details					Joint Custo	mer			Statement Day	Select	
SWIFT Cod	e			s	tatement Requ	Jest			Statement Day		
Group Cod	e	Q							Sanction Check		
Access Grou	p	Q			lationship Pric				Sanction Check Required At Transaction Level		
Charge Grou	p	Q		Withhold	ing Tax Applica	able					
Clearing Grou	p	Q			CIF Sta	atus					
Tax Grou	p	Q			SI	ince					
Exposu	e	Q			Risk Categ	tory		Q			
Customer Classificatio	n	Q		Sand	tion Check Sta	atus	Not Required				
External Reference Numb	ır.						Fetch				
Location	•	Q									
FX Netting Custom	er	Q									
Media	•	Q									
SS	N										
Group MIS Joint	Standing Instructions	Linked Entities	Text	Fields	Image	Limits	Statement Request	Domestic	Professional Cards Lini	>	Audit

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.

ustomer Maintena	nce		11
New 🏳 Enter Query			
	🔿 Bank	Branch Code	
Special Customer No Generation		bianchicode	
Customer No	Р		
Personal Identifier	Corporate Additional	I Director Check List	MFI Details Unique Identifier
Unique ID Name	Q		
Unique ID Name Value	Q		
	C. Standing Instructions Linked Entities	Fields Image Limits CLS Restrictions MT92	20 Dome > Audit Ex

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



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