

Oracle FLEXCUBE Universal Banking ® 12.0.3 Development Workbench - Screen Customizer

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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:

<i>Proficiency</i>	<i>Resources</i>
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.pdf](#)
[05-Development WorkBench Screen Development-II.pdf](#)

2 Introduction

This document gives information about the following topics:

- [Chapter 2 , "Introduction"](#)
- [Chapter 3 , "Screen Customizer"](#)
- [Chapter 4 , "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

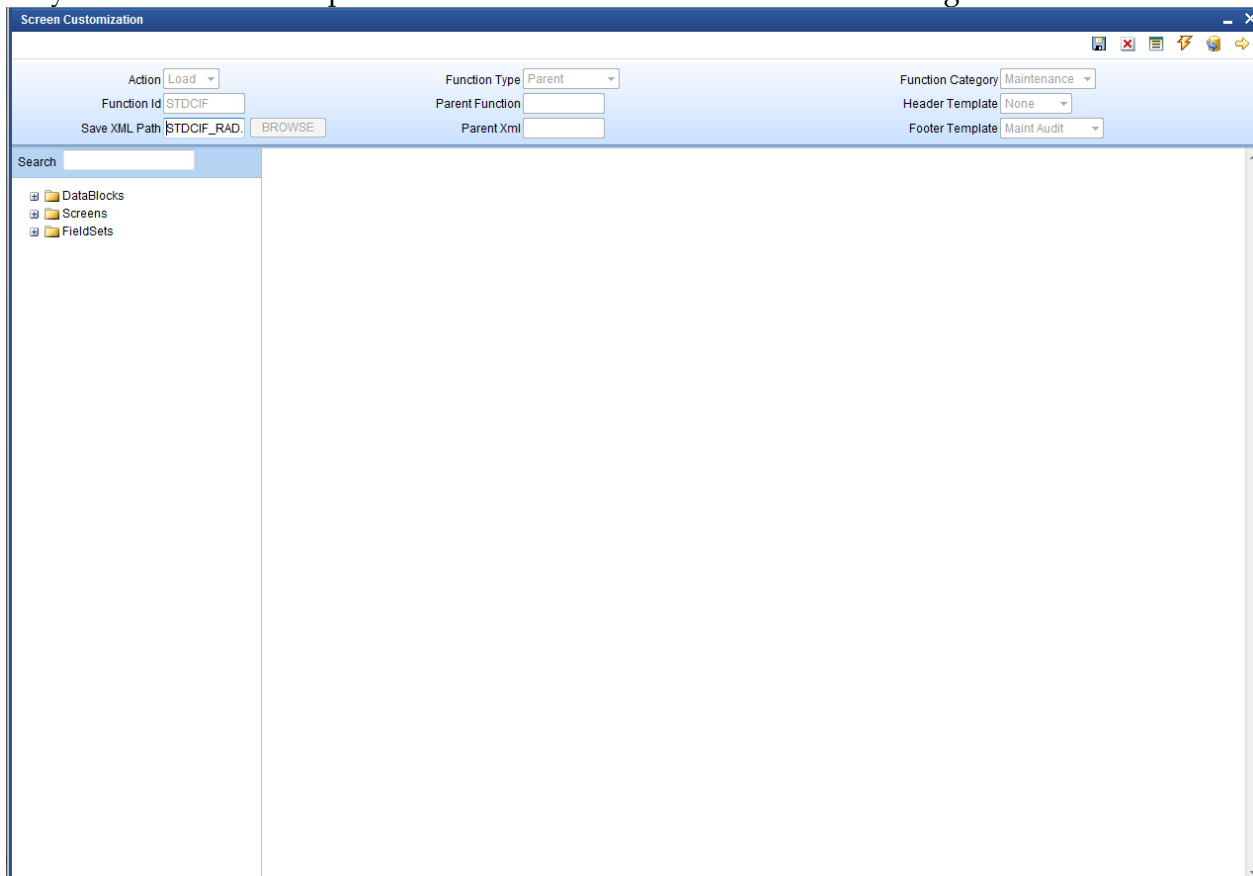


Fig 3.1: Screen Customizer Screen

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

The screenshot shows the 'Screen Customization' window. The top section contains configuration options: Action (Load), Function Id (STDCIF), Save XML Path (STDCIF_RAD), Function Type (Parent), Parent Function, Parent Xml, Function Category (Maintenance), Header Template (None), and Footer Template (Maint Audit). The main area is titled 'Block Field Properties' and is divided into three tabs: Custom Attributes, Events, and Related Field. The 'Custom Attributes' tab is active, showing a list of attributes for the field 'FLDNAM'. The attributes are listed in a table with columns: Attribute Name, Attribute Value, Active, and Position. The table is currently empty. The left sidebar shows a tree view of DataBlocks, with 'FLDNAM' selected under 'BLK_CUST_LIAB_UDF'. The right sidebar shows a list of properties for the field, including Field Name, Field Label, DataSource, Column Name, Data Type, Display Type, Item Type, Parent Field, Related Block, Related Field, LOV Name, Off Line LOV Name, Fieldset Name, XSD Tag, XSD Annotation, Field Size, Maximum Length, Minimum Value, Maximum Value, Maximum Decimals, TextArea Rows, TextArea Columns, Default Value, Preview Value, Mask Id, and a list of checkboxes for various validation and display options.

Fig 3.1.1: Data Block Field in Screen Customizer

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

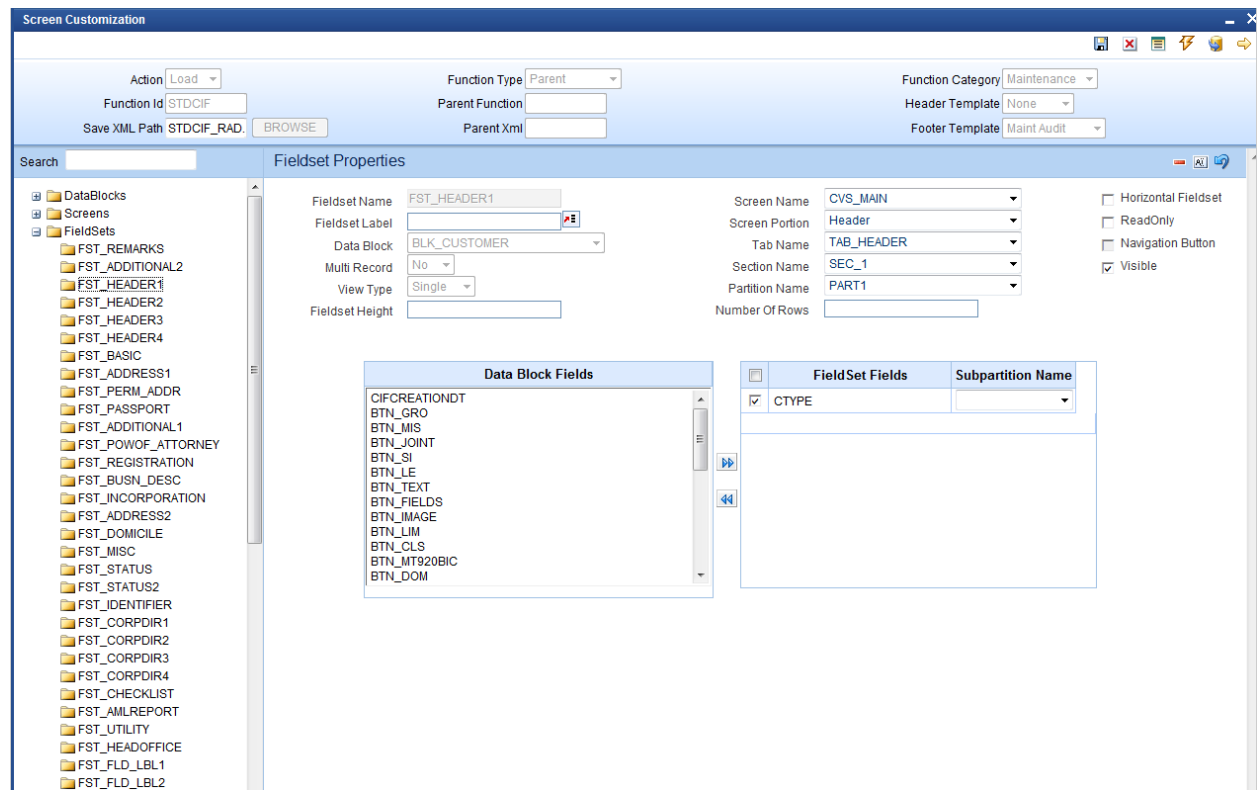


Fig 3.3.1: Field sets in Screen Customizer

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

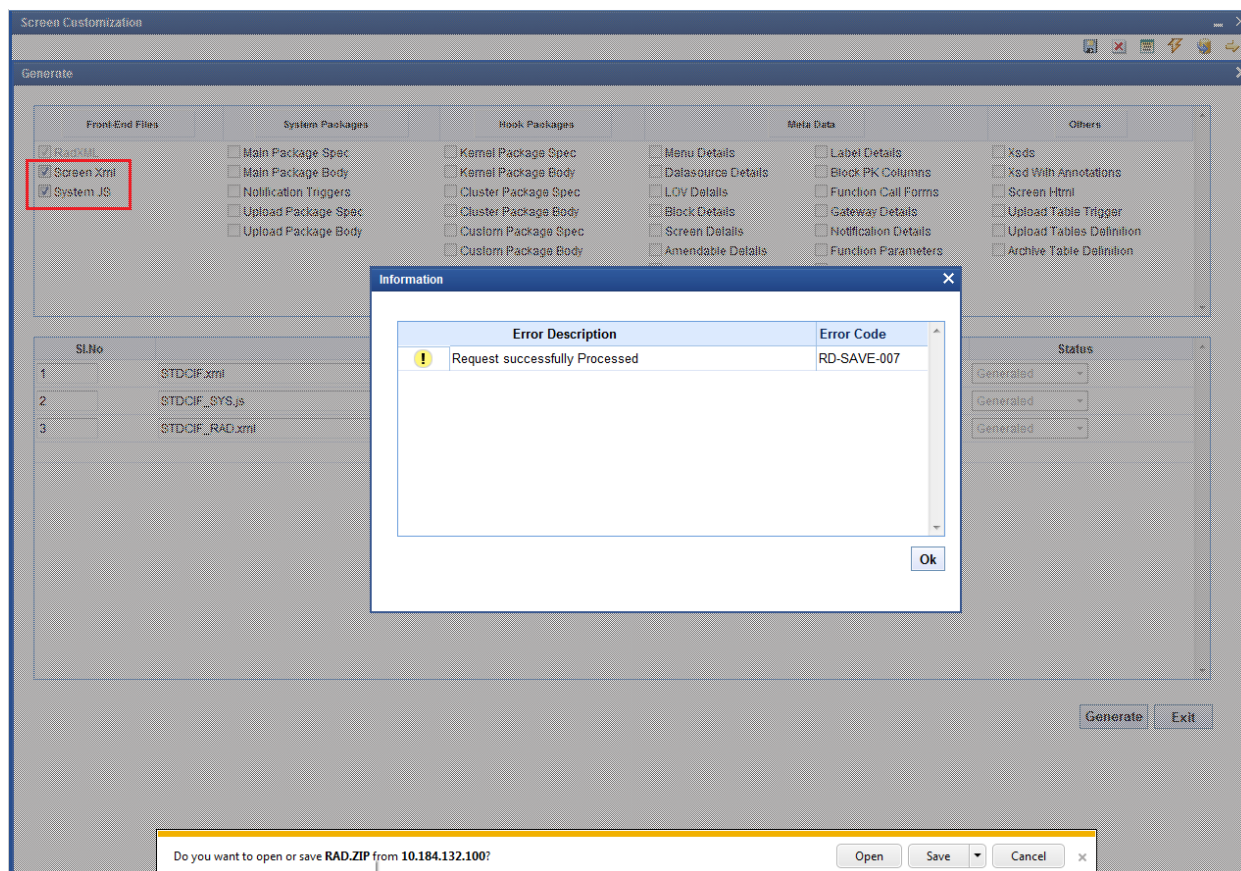


Fig 4.1: Generation of files in Screen Customizer

5 Examples

Example 1:

Requirement: Hide a Field in the screen

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

The screenshot displays the 'Customer' form within the Screen Customizer tool. The 'Whereabouts Unknown' checkbox is highlighted with a red box, indicating it is set to be visible. The form includes sections for Personal, Corporate, Additional, Director, Auxiliary, and Check List. The 'Status' section contains checkboxes for 'Frozen', 'Deceased', and 'Whereabouts Unknown'. The 'Identifier' section includes 'Name' and 'Value' fields. The 'Relationship Manager' section includes 'RM ID' and 'RM Name' fields. The 'Combined Statement Plan' section includes 'Auto Generated Statement Plan', 'Frequency', and 'Statement Day' fields. The 'Misc Details' section includes fields for 'SWIFT Code', 'Credit Rating', 'Group Code', 'Charge Group', 'Clearing Group', 'Tax Group', 'Exposure', 'Exposure Category', 'Customer Classification', 'External Reference Number', 'Location', 'FX Netting Customer', 'Media', and 'SSN'. The bottom of the form shows a navigation bar with various tabs like 'Group', 'MIS', 'Joint', 'Standing Instructions', 'Linked Entities', 'Text', 'Fields', 'Image', 'Limits', 'CLS Restrictions', 'MT920', 'Domestic', 'Professional', 'Issuer', 'Cards', 'Linked Account', 'KYC Details', 'Joint Venture', 'Account Details', 'NSF Black list status', 'Documents', and 'Change 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.

Screen Customization

Action: Load Function Type: Parent Function Category: Maintenance

Function Id: STDCIF Parent Function: Header Template: None

Save XML Path: STDCIF_RAD. Parent Xml: Footer Template: Maint Audit

Search: Block Field Properties

Field Name: WHRUNKN XSD Tag: WHRUNKN ☐ Required

Field Label: LBL_WHRUNKN XSD Annotation: ☐ Visible

Data Source: STTMS_CUSTOMER Field Size: ☐ Read Only

Column Name: WHEREABOUTS_UNKNOWN Maximum Length: 1 ☐ Calendar Text

Data Type: Char Minimum Value: ☐ Popup Edit Required

Display Type: CheckBox Maximum Value: ☐ Uppercase Only

Item Type: Database Item Maximum Decimals: ☒ LOV Validation Required

Parent Field: Text Area Rows: ☐ Input by LOV Only

Related Block: Text Area Columns: ☐ Not Required In Xsd

Related Field: Default Value: N ☐ Report Parameter

LOV Name: Preview Value: ☐

Off Line LOV Name: Mask Id: ☐

Fieldset Name: FST_STATUS

Custom Attributes Events

	Attribute Name	Attribute Value	Active	Position
<input type="checkbox"/>	OFF	N	Yes	1
<input checked="" type="checkbox"/>	ON	Y	Yes	2

Left Panel (Tree View):

- ADDRLN3
- ADDRLN2
- ADDRLN4
- COUNTRY
- SNAME
- NLTY
- LBRN
- CCATEG
- FULLNAME
- CIFCREATIONDT
- ISELCMCUST
- ELCMCUSTNO
- AR_AP_TRACKING
- EXPCNTRY
- UIDNAME
- UIDVAL
- FROZEN
- DEAD
- WHRUNKN
- CRRATE
- MEDIA
- SSN
- SWIFTCOD
- LOC
- MAILRSREQD
- GRPCD
- EXPCAT
- CUSTCLASSFN
- CIFSTAT
- CIFSTATSNC
- CHGGRP
- CUSTCLGGRP
- TAXGROUP
- CLSPARTICIPANT
- FXNETTCUST
- XREF

Fig 3.3.2: Setting the field invisible

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: ☒ Individual ☐ Corporate ☐ Bank

Full Name: Short Name: Branch Code:

Customer Category: ☐ Private Customer

Customer No: P

Personal **Corporate** **Additional** **Director** **Auxiliary** **Check List**

Domicile Address

☐ Same as Permanent Address

Address 1: Address 2: 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: Location: FX Netting Customer: Media: SSN:

Status

☐ 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

ELCM Customer Number: CIF Status: Since:

Identifier

Name: Value:

Relationship Manager

RM ID: RM Name:

Combined Statement Plan

☐ Auto Generated Statement Plan

Frequency: Select Statement Day:

Group | MIS | Joint | Standing Instructions | Linked Entities | Text | Fields | Image | Limits | CLS Restrictions | MT920 | Domestic | Professional | Issuer | Cards | Linked Account | KYC Details | Joint Venture | Account Details | NSF Black list status | Documents | Change Log

Maker: Date Time: Mod No: Record Status: Authorization Status:

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.

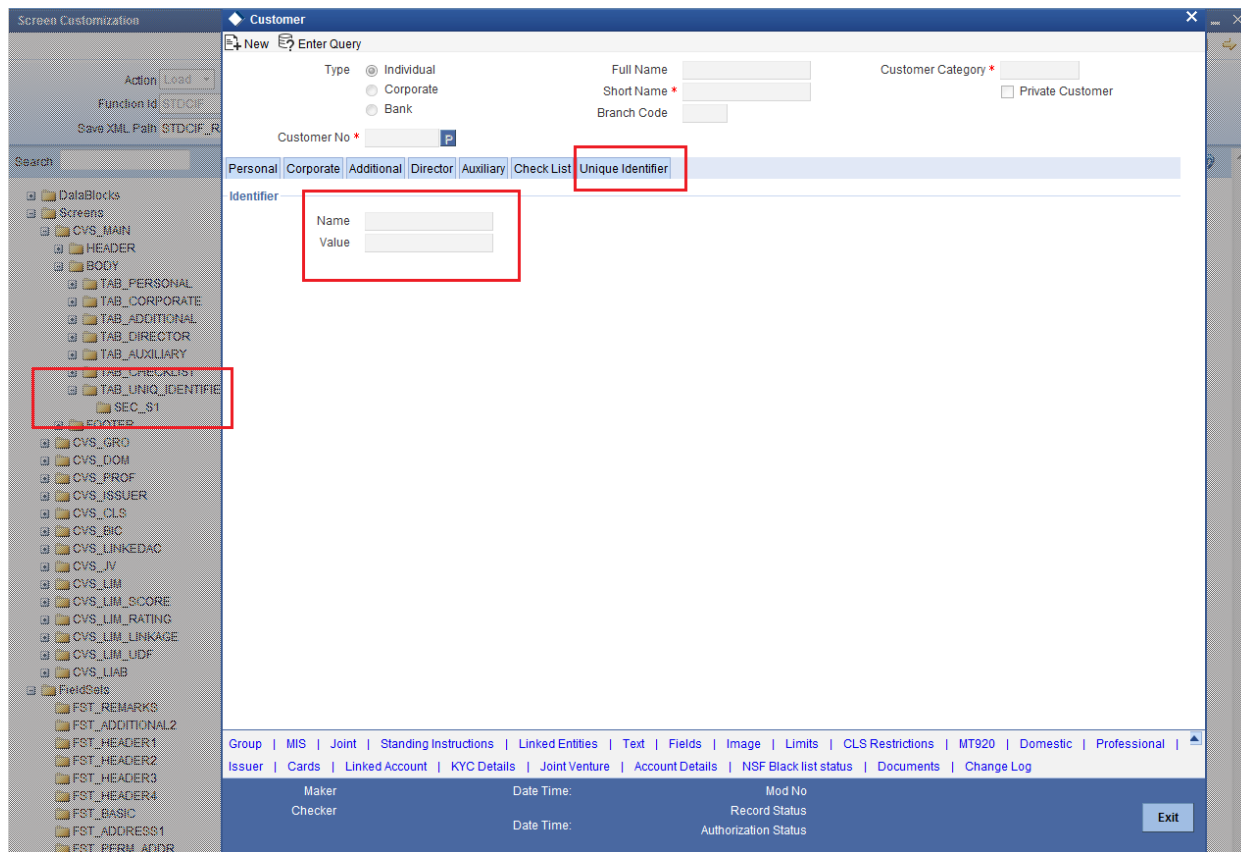


Fig 3.3.5: Section 'Unique Identifier' moved to a new tab



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