

Development Workbench – Screen Customizer
Oracle FLEXCUBE Investor Servicing
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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.docx](#)
[05-Development WorkBench_Screen_Development-II.docx](#)

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

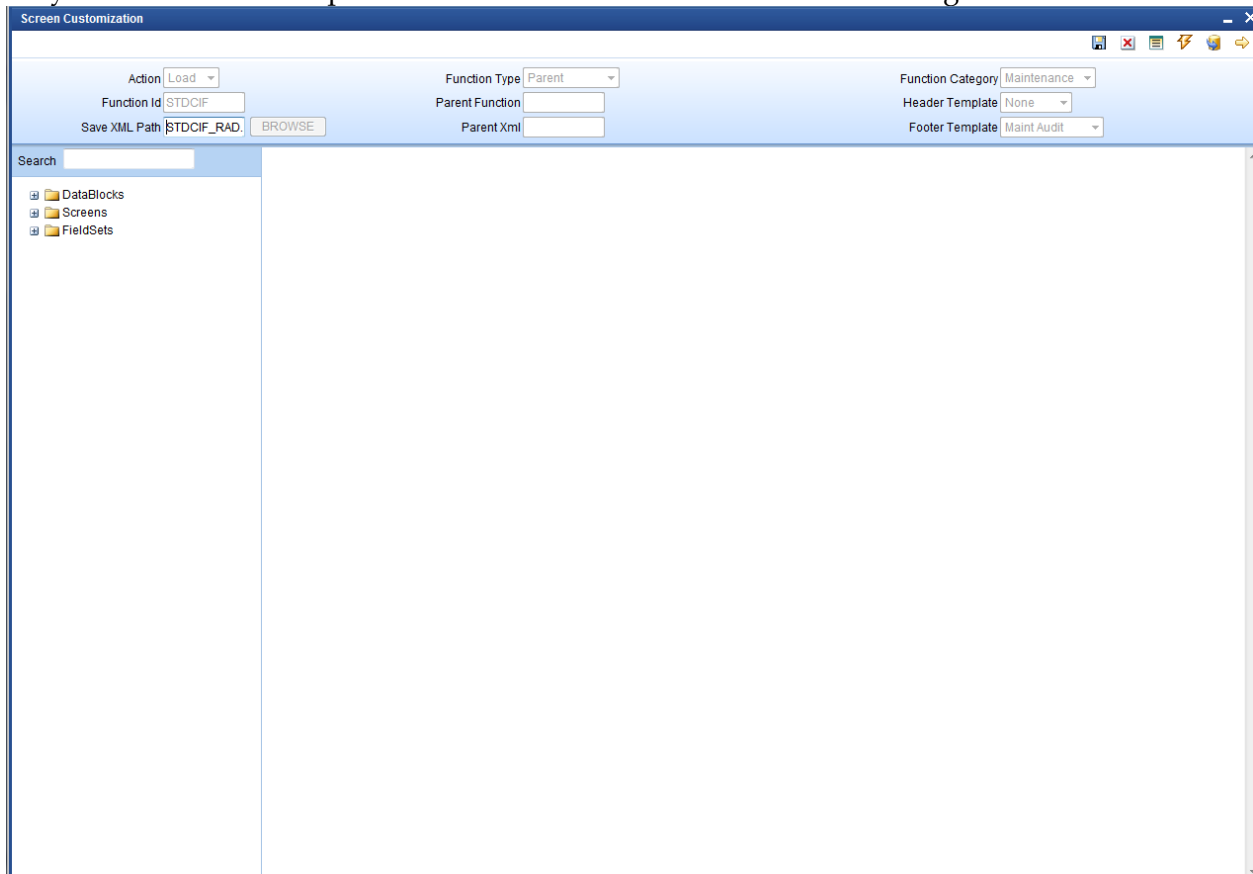


Fig 3.1: Screen Customizer Screen

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. At the top, there are controls for 'Action' (Load), 'Function Id' (STDCIF), 'Function Type' (Parent), 'Function Category' (Maintenance), 'Header Template' (None), and 'Footer Template' (Maint Audit). Below these are 'Save XML Path' and 'BROWSE' buttons. The main area is divided into a left sidebar with a tree view of 'DataBlocks' and a central 'Block Field Properties' section. The tree view shows a hierarchy starting from 'DataBlocks' down to 'BLK_CUSTSEGMENT' and 'FieldSets'. The 'Block Field Properties' section is for the field 'FLDNAM'. It contains various configuration options: 'Field Name' (FLDNAM), 'Field Label' (LBL_FLDNAM), 'DataSource' (STWWS_CUST_LIAB_UDF), 'Column Name' (FIELD_NAME), 'Data Type' (Varchar2), 'Display Type' (Text), 'Item Type' (Database Item), 'Parent Field', 'Related Block', 'Related Field', 'LOV Name', 'Off Line LOV Name', 'Fieldset Name' (FST_LIAB_UDF), 'XSD Tag' (FLDNAM), 'XSD Annotation', 'Field Size', 'Maximum Length' (105), 'Minimum Value', 'Maximum Value', 'Maximum Decimals', 'TextArea Rows', 'TextArea Columns', 'Default Value', 'Preview Value', 'Mask Id', and a list of checkboxes on the right: 'Required', 'Visible' (checked), 'Read Only', 'Calendar Text', 'Popup Edit Required', 'Uppercase Only', 'LOV Validation Required', 'Input by LOV Only', 'Not Required In Xsd', and 'Report Parameter'. At the bottom, there are tabs for 'Custom Attributes', 'Events', and 'Related Field'. The 'Custom Attributes' tab is active, showing a table with columns: 'Attribute Name', 'Attribute Value', 'Active', and 'Position'.

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

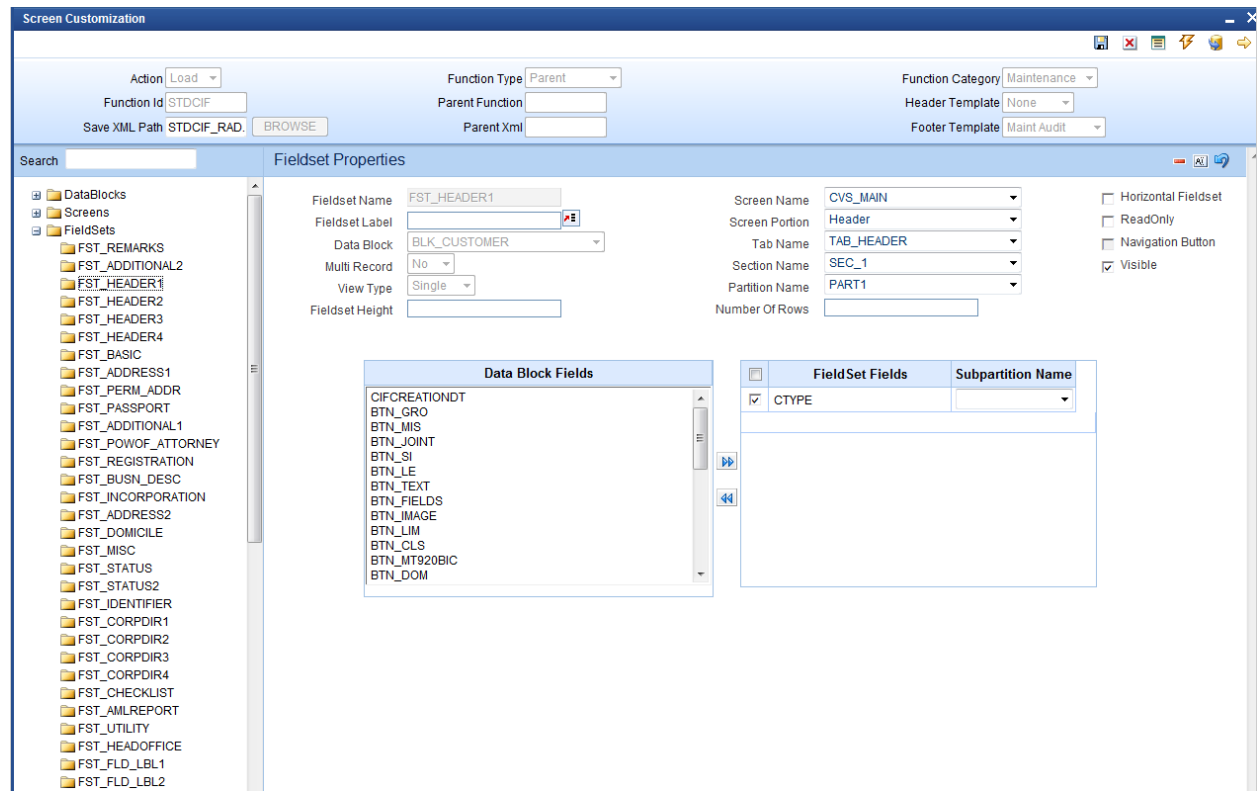


Fig 3.3.1: Field sets in Screen Customizer

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

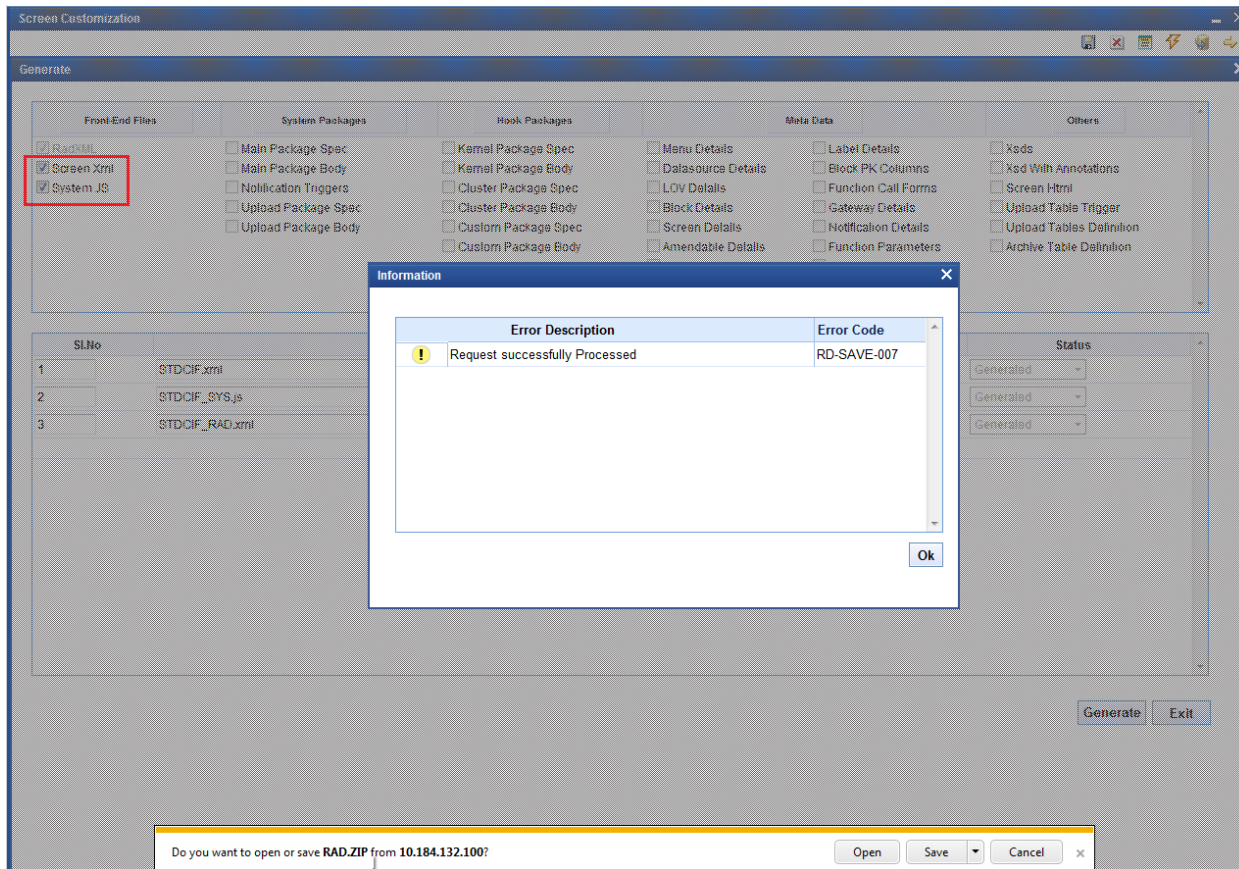


Fig 4.1: Generation of files in Screen Customizer

5 Examples

Example 1:

Requirement: *Hide a Field in the screen*

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

Screen Customization

Customer

New Enter Query

Type ☒ Individual ☐ Corporate ☐ Bank

Full Name Customer Category * ☐ Private Customer

Short Name *

Branch Code

Customer No *

Personal Corporate Additional Director Auxiliary Check List

Domicile Address Status Identifier

☐ 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

☐ Frozen

☐ Deceased

☒ Whereabouts Unknown

☐ Eligible for AR-AP Tracking

☐ CRM Customer

☐ Mellers Required

☐ CLS Participant

☐ Issuer Customer

☐ Treasury Customer

☐ Joint Customer

☐ MT920

☐ Relationship Pricing

☒ ELCM Customer

ELCM Customer Number

CIF Status

Since

Name

Value

Relationship Manager

RM ID

RM Name

Combined Statement Plan

☐ Auto Generated Statement Plan

Frequency

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

Checker Date Time: Record Status

Authorization 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: Parent Function Category: Maintenance
Function Id: STDCIF Parent Function: Parent Xml: Header Template: None Footer Template: Maint Audit
Save XML Path: STDCIF_RAD. BROWSE

Search: Block Field Properties

Field Name: WHRUNKN XSD Tag: WHRUNKN
Field Label: LBL_WHRUNKN XSD Annotation:
DataSource: STTMS_CUSTOMER Field Size:
Column Name: WHEREABOUTS_UNKNOWN Maximum Length: 1
Data Type: Char Minimum Value:
Display Type: CheckBox Maximum Value:
Item Type: Database Item Maximum Decimals:
Parent Field: TextArea Rows:
Related Block: TextArea Columns:
Related Field: Default Value: N
LOV Name: Preview Value:
Off Line LOV Name: Mask Id:
Fieldset Name: FST_STATUS

Required ☐
Visible ☐
Read Only ☐
Calendar Text ☐
Popup Edit Required ☐
Uppercase Only ☐
LOV Validation Required ☐
Input by LOV Only ☐
Not Required In Xsd ☐
Report Parameter ☐

Custom Attributes Events

Attribute Name	Attribute Value	Active	Position
OFF	N	Yes	1
ON	Y	Yes	2

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
Checker Date Time: 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.

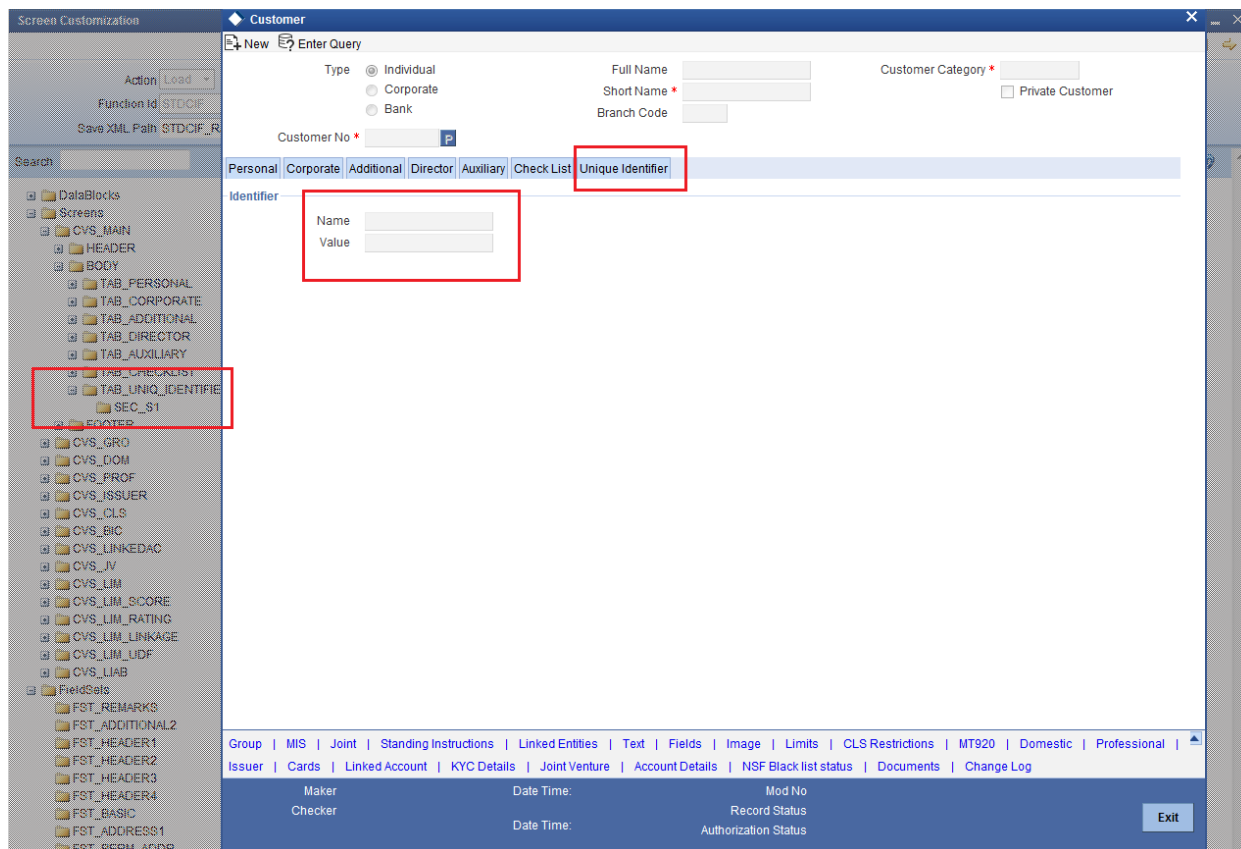


Fig 3.3.5: Section 'Unique Identifier' moved to a new tab



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