Development of Report Forms Oracle Banking Trade Finance Release 14.8.0.0.0 Part No. G30072-01

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1. Preface

This document guides the developer in designing a Report form using Oracle FLEXCUBE Development Workbench for Universal Banking

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
FLEXCUBE Screen Development	04-Development_WorkBench _Screen_Development-I.docx
Working knowledge of Web based applications	Self Acquired
Working knowledge of Oracle Database	Oracle Documentations
Working knowledge of PLSQL & SQL Language	Self Acquired
Working knowledge of XML files	Self Acquired

1.2. Related Documents

04-Development WorkBench Screen Development-I.docx

<u>05-Development_WorkBench_Screen_Development-II.docx</u>

2. Introduction

This document provides information on:

- <u>Chapter 1 , "Introduction"</u>
- <u>Chapter 1, "Overview of FLEXCUBE Reports"</u>
- <u>Chapter 2 , "Designing Report Form"</u>

3. Overview of FLEXCUBE Reports

Reports in FLEXCUBE UBS are used to fetch the data from FLEXCUBE database Schema based on the report Query criteria and render on screen or print.

FLEXCUBE UBS uses two software as reporting platforms.

- Oracle Business Intelligence Publisher (BIP)
- Oracle Business Intelligence Enterprise Edition (OBIEE)

This document describes the process of designing a Report Form for a BIP Report using Development Workbench. The process of designing RTF and XDO files are not explained in this manual.

Note:

This document assumes a given report RTF file and data template XML is already available.

4. Designing Report Form

1. Login to FLEXCUBE Development workbench

ORACLE FLEXCUBE Development Workbench for Universal Bankin	g - Windows Internet Explorer	
ORACLE		
	ORACLE FLEXCUBE	
	Development Workbench for Universal Banking	
	LOGIN	
	Password	
	Sign In	
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Fig 4.1 Login Page

2. From browser, select 'Function Generation'





3. Select 'New' from 'Action', and set the function type as 'Report' from the drop down list in 'Function Category'. Type in the name of the screen; make sure that the third letter of the name is 'R'.

Action New • Function Type Parent • Function Category Rep. Function Id STRCU000 Parent Function Header Template Non. Save XML Path D:RADTOOL Parent Xml Footer Template Non. Search Preferences Head Office Function Module Stabsource Head Office Function Module ST	ort 🔹	×	≣ 7	´ 🧐 ⇔
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DataSource				
Logging Required Module Description Static Maintenance				
DataBlocks Ench Auto Authorization Branch Program Id				
Screens Process Code				
FieldSets Field Log Required SVN Repository URL				
CallForms Multi Branch Access Transaction Block Choose Block	•			
Choose Field	•			
Summary Transaction Field Notes Field Name				
				_
	Con	trol Stri	ing +	
Function Id Module * Module De	scription			^
STRCU000 ST PE Static Maintenance				
				-

Fig 4.3: Report Screen design

4. Add data sources by right clicking on 'DataSource'. In a report screen, the only table that should be added is '**CSTB_UI_COLUMNS**'. Add columns from the table as required. The number of columns to be added depends on the number of report parameters required in the report screen. Add as many fields as required in the report screen.

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								17 14	
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Search	AddTable		×						*
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ListOf/alues		Data Source X	area			Reli	ation Type		
i Screens FieldSels Actions		Table Name CSTB_UL_COLUMNS							
in CallForms LaunchForms Summary		Search Reset							
		< 10f1678 >>>							
		Table Name							
		INVOBJ7MAY_AFTER INVOBJ7MAY_BEFORE							
		REFERENCED_NAME_LIST DITB_JOB_TYPES							
		INS_401_401							
		SEQ_401_401 FBTB_ADVICE_DETAILS_C							
		SMTB_FUNCTION_DESCRIPTION_BKP SMTB_MENU_LCDEXPDT SMTB_FUNC_DESC_LCDEXPDT							
		SMTB_ROLE_DETAIL_LCDEXPDT SMTB_RCLE_DETAIL_LCDEXPDT							
		GLTW_PLCCYPAST							
		AEPKSS_BADEODFE_KERNEL AEPKSS_BADEODFE_MAIN							

Fig 4.4: Adding Data Sources

5. Right click on data blocks and add block fields.

There are some generic report parameters which needed to be added in any report screen. They are:

PM_MINOR PM_BRANCH_CODE PM_BRANCH_DATE PM_BRANCH_DESC PM_CURRENT_USER PM_LCY PM_LANGUAGE PM_MODULE *Note: While adding columns to the data source CSTB_UI_COLUMNS, take these generic parameters also into consideration*

Function Generation							-
Action New *		Function Type Parent	•		Function Category Re Header Templale No		
Save XML Pain O'RADTOOL		Parent Xml			Fooler Template No		
		Construction of the second					
Search	Select Fields & Add UI Fie			×			÷ = < 9
Preferences	DataSource fields UI F	Fields			omer-Delalis		
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CHAR_FIELD1	Column Name	Field Name	Label Code	*	*		
CHAR_FIELD2	CHAR_FIELD1	PM_MINOR	LBL_PM_MINOR		mal •		
CHAR_FIELD4	CHAR_FIELD2	PM_BRANCH_CODE	LBL_PM_BRANCH_CODE				
CHAR_FIELD5	CHAR_FIELD3	PM_BRANCH_DATE	LBL_PM_BRANCH_DATE		led		
CHAR_FIELD7	CHAR_FIELD4	PM_BRANCH_DESC	LBL_PM_BRANCH_DESC				
CHAR_FIELD8	CHAR_FIELD5	PM_CURRENT_USER	LBL_PM_CURRENT_USER				
DalaBlocks	CHAR_FIELD6	PM_LCY	LBL_PM_LCY				
BLK_CUSTOMER_DETAILS	CHAR_FIELD7	PM_LANGUAGE	LBL_PM_LANGUAGE				
FieldSels	CHAR_FIELD8	PM_MODULE	LBL_PM_MODULE				
Actions CaliForms							
LaunchForms]		
Summary							
				-			
				Ok Cancel			
					1		

Fig 4.5: Adding Data Block Fields

The 'Report Parameter' checkbox has to be checked in case of report parameters. Also, 'Visible' has to be unchecked in all generic parameters. Also, default values are to be given to some of these fields.

For example,

PM_BRANCH_CODE specify the Default value as GLOBAL.CURRENT_BRANCH. PM_BRANCH_DATE specify the Default value as GLOBAL.APPLICATION_DATE. PM_CURRENT_USER specify the Default value as GLOBAL.USER_ID.

Development Workbench would automatically add the Report Options for all Report screens

These report options are

- Report Format
- Report Output (Print, Spool, View)
- Print At (Client/Server)

- ➢ Printer ID
- 6. To add new field set, right click on field set.

ction Generation						X =	77 🍯
Action New -		Function Type Parent	-		Function Category Re	eport 👻	
Function Id STRCU000		Parent Function			Header Template No	one 🔻	
Save XML Path D:\RADTOOL		Parent Xml			Footer Template No	one 🔻	
rch	Fieldset Summary						+
Preferences							
DataSource CSTB_UI_COLUMNS	Fieldset Name	Screen Name	Screen Portion	Tab Name	Section Name	Partition Name	*
CHAR_FIELD1							
CHAR_FIELD2 CHAR_FIELD3							
CHAR_FIELD4							
CHAR_FIELD5							
CHAR_FIELD6							
CHAR_FIELD7							
ListOfValues							
🚞 DataBlocks							
BLK_CUSTOMER_DETAILS PM_MINOR							
PM_MINOR							
DATE PM_BRANCH_DATE							
PM_BRANCH_DESC							
PM_CURRENT_USER PM_LCY							
PM_LANGUAGE							
PM_MODULE							
Screens							
FieldSets							
Call Add							
aunchForms							
🚞 Summary							
							-

Fig 4.6: Adding field sets

7. Give field set properties:





To preview the screen, right click on the screen name and select 'Preview'.

Function Generation																					
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PM_BRANCH_DESC PM_OURRENT_USER PM_LCY PM_LANGUAGE PM_MODULE SVS_MAIN CVS_MAIN			_	_	_			_	_	_	_	_	_	_	_	Exit	at Field	1	Active	*	
FieldGals FieldGals FST_CUSTOMER_DETAILS Actions CallForms																					
LaunchForms																					

Fig 4.8: Preview of Report Form

- 🔚 🗶 🔳 🐬 Information × Front-End Fil Meta Data Others 🖉 Label Details Xsds Error Description Error Code 😨 Screen Xmi Block PK Columns Xsd With Annotations Screen Html Upload Table Trigger Upload Tables Delimition Request successfully Processed RD-SAVE-007 Function Call Forms 📝 System JS Gateway Details Notification Details Function Parameters Archive Table Delinition alls Purge Oetails SLNo File Type Status UIXML Ok 2 JS 3 SPC 4 slpks_strcu000_main.sql SQL 5 CSTB_FIELD_LABELS__STRCU000 INC INC 6 CSTB_OTHER_LABELS__STRCU000 INC INC 7 CSTB_FID_DATA_BLOCKS__STRCU000 INC INC 8 CSTB_FID_DATA_SOURCES__STRCU000.INC INC CSTE_FID_SCR_TABS__STRCU000.INC 9 INC 10 CSTB_FID_SCREENS__STRCU000.INC INC SMTB_MENU__STRCU000.INC INC SMTR ROLE DETAIL STROUGO INC. INC Generate Exit Do you want to open or save RAD.ZIP from 10.184.132.100? Open Save 🕶 Cancel ×
- 8. Save and generate the files:

Fig 4.9: Generation of Files

9. Deploy the files

Front-End Files	Information	×	lela Data	Others
RadXill_ Screen Xmi System JS	Error Description I Request successfully Processed	Error Code ARD-SAVE-007	Label Details Block PK Columns Function Call Forms Gatewar Details Notification Details Function Parameters Furge Details	Xadis Xadi Wilh Annotations Screen Html Upload Table Trigger Upload Tables Delimiton Archive Table Delimiton
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CST	B_FID_DATA_BLOCKSSTRCU000 INC	INC	>	Deployed -
CST	E_FID_DATA_SOURCES_STRCU000.INC	INC	2	Deployed -
CST	B_FID_SCR_TABSSTRCU000.INC	INC	>	Deployed +
OST	B_FID_SCREENSSTRCU000.INC	INC	2	Deployed
SMT	B_MENUSTRCU000.INC	INC	>	Deployed -
D SMT	8_ROLE_DETAILSTRCU000.INC	INC	>	Deployed
1 SMT	B_FUNCTION_DESCRIPTIONSTRCU000.INC	INC		Deployed -
	R FCC FCL MAPPING STROLIODO INC	INC	2	

Fig 4.10: Deployed Files

Deploying the Report Screen:

The deployment can be done by clicking on the 'Deploy' button.

Front-En	In I	formation			×	eta Data		Others	
RadXIIL Screen Xmi System JS		Error Description	d	Error Code RD-SAVE-0		Label Details Block PK Colum Function Call F0 Gateway Details Notification Cleta Function Param Purge Details	rms So Ul	ids id Wilh Annotations reen Html bload Table Trigger bload Tables Delimit chive Table Delimitic	lion
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	stpks_s				*			d •	
	slpks_s				Ok			-	
	OSTB_I							d +	
	OSTB_OTH	ER_LABELSSTRCU000 INC			INC			d -	
	CST8_FID_	DATA_BLOCKSSTROU000 INC			INC			d •	
	CST8_FID_	DATA_SOURCESSTRCU000.INC			INC			d -	
	CST8_FID_	SCR_TABSSTRCU000.INC			INC			d •	
	CST8_FID_	SCREENS_9TRCU000.INC			INC			d -	
	SMTB_MEN	USTRCU000.INC			INC			d 🔫	
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Fig 4.11: Deployment of Screens

A sample report screen:

Customer Details Branch 000 User Id FCUBS3	Branch Date 2012-03-01 Date & Time 13-MAR-20		Page 1
	Date & Time 13-MAR-20		
Customer Details		112 03:09:24	Module ST
2	00000000		
		Ob ant Name	Mayank
			Mayank GB
			AU
			ENG
Gender		Language	Eno
Location	GB		
Address Line1	BARCGB99	Address Line2	4 ROYAL MINT COURT,
Address Line3	LONDON EC3 NHJ	Address Line4	ENGLAND
Customer	00900001		
			CHARLES
			AU
			AU
Gender	M	Language	ENG
Location	AU		
Address Line1	ANZBAU99	Address Line2	570 CHURCH STREET,
Address Line3	MELBOURNE 3121	Address Line4	AUSTRALIA
Location	GB		
			PLATZ DER EINHEIT 1.
Address Line1 Address Line3	CAMHDE99 FRANKFURT AM MAIN	Address Line2 Address Line4	GERMANY
	Address Line1 Address Line3 Customer Customer Name Date of Birth Customer Type Gender Location Address Line1 Address Line3	Customer Name Mayark Date of Birth 10-MAR-12 Customer Type I Gender M M Gender M M Location GB Address Line1 BARCGB99 Address Line3 LONDON EC3 NHJ Customer 009000001 Customer Name CHARLES Date of Birth 24-MAR-12 Customer Type I Gender M Location AU Location AU Address Line1 ANZBAU99 Address Line3 MELBOURNE 3121	Customer Name Mayank Short Name Date of Birth 10-MAR-12 Country Customer Type I Nationality I Nation

5. RTF and XDO Files

The rtf file contains the specification for the layout of the report screen.

The xdo file contains the queries which will pick up the relevant values from the back end. The columns to be loaded also should be added in this file.

Both RTF and xdo files needs to be deployed in the BIP server for launching Reports from FLEXCUBE

6. Coding in Hook Package

- Code for deriving the bind values in xdo query has to be written in Hook package and the same has to be called on loading the xdo .Usually the function **Afterpform** is written in Hook package for this purpose.
- Any functions used in the xdo query is usually written in the Hook package .



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