Oracle FLEXCUBE Universal Banking ® 12.0.2 Development of Dashboard Forms

August 2013



Table of Contents

1	1 Preface				
	1.1	Audience	. 3		
	1.2	Related Documents	. 3		
2	Intro	oduction	. 4		
3	Cre	ating Dashboard Screen	. 4		
	3.1	Preferences	. 5		
	3.2	Data Sources	. 5		
	3.3	Data Blocks	. 6		
	3.3.	1 Block Fields	. 7		
	3.4	Summary	. 8		
4	Ger	neration of units	. 9		
5	User Maintenance10				

1 Preface

This document describes Dashboard Forms available in Oracle FLEXCUBE and guides the developers in designing a Dashboard screen 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

<u>04-Development_WorkBench_Screen_Development-I.pdf</u> <u>05-Development_WorkBench_Screen_Development-II.pdf</u>

2 Introduction

This document provides information on:

- <u>Chapter 2 , "Introduction"</u>
- Chapter 3, "Creating Dashboard Form"
- <u>Chapter 4</u>, "Generation of Units"
- <u>Chapter 5 , "User Maintenance</u>"

3 Creating Dashboard Form

• Log into the Development Workbench and click on *Function Generation* tab.

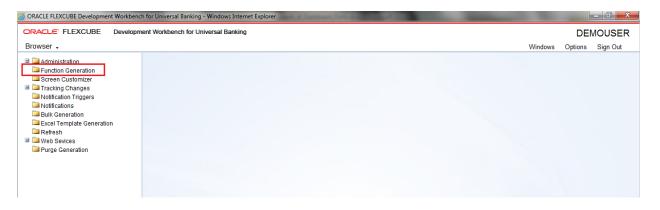


Fig 5.1: Function Generation tab

- Select Action New.
- *Dash Board-id* is to be entered in Function Id field. It follows the same naming convention as a normal function id
- Select Function Type Parent
- Select Function Category Dashboard

Function Generation		
		📰 🗵 🗏 🚱 🖨
Action New Function Id Save XML Path Search Preferences DataSource ListOValues DataBlocks Screens FieldSets Actions	Function Type Parent Parent Function Parent Xml	Function Category Header Template Footer Template Summary DashB0ard Others
🞑 CallForms 🚰 LaunchForms 🎦 Summary	Fig 5.2: Selecting Function Ca	tegory

3.1 Preferences

Developer can maintain the menu details in Preferences screen. Please note that **TYPE STRING** will be generated as 'D' for dashboard screens in **smtb_menu**.

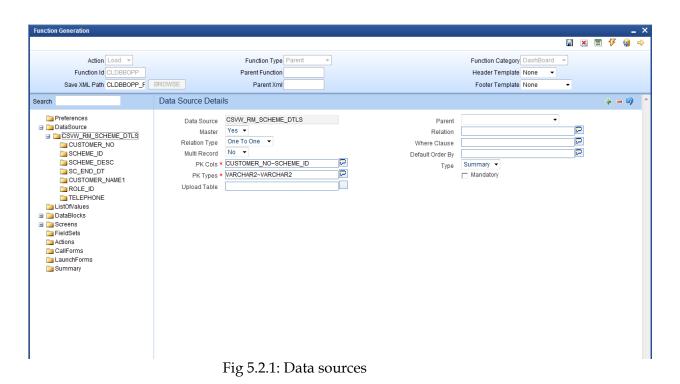
Currently only summary dashboard screens are supported. So maintain menu details only for summary screens.

					X X	77 🧐	
Action Load 👻	Function T	ype Parent 👻		Function Category DashBoard 🔻			
Function Id CLDBBOPP	Parent Fund	tion		Header Template None 🔻			
Save XML Path CLDBBOPP_F	BROWSE Parent	Xml		Footer Template None	•		
arch	Preferences					Ľ,	2
Preferences	Head Office Fi	unction	Module	CS 🗾			
DataSource ListOfValues	🗖 Logging Requ	ired	Module Description				
DataBlocks	Auto Authoriza	tion	Branch Program Id				
🛙 🚞 Screens	Tank Modificat	tions	Process Code				
in FieldSets Actions	Field Log Req	uired	SVN Repository URL				
CallForms	Multi Branch A	ccess	Transaction Block	Choose Block -			
🚞 LaunchForms	Excel Export R	equired	Name Transaction Field	Choose Field 🗸			
🔁 Summary			Name				
				(Control String	+ -	
	Function Id	Modu	le *	Module Description		*	
	CLDBBOPP	CS	×=	Core			
	CLSBBOPP	CS		Core			

Fig 5.1.1: Selecting the Preferences

3.2 Data Sources

Developer can add table as per the requirement. Please note that dashboard screen supports only one data source to be added in a screen (which has to be the master data source)



3.3 Data Blocks

Data block has to be created and attach the data source to the block. Currently, dashboard screens can have only one data block

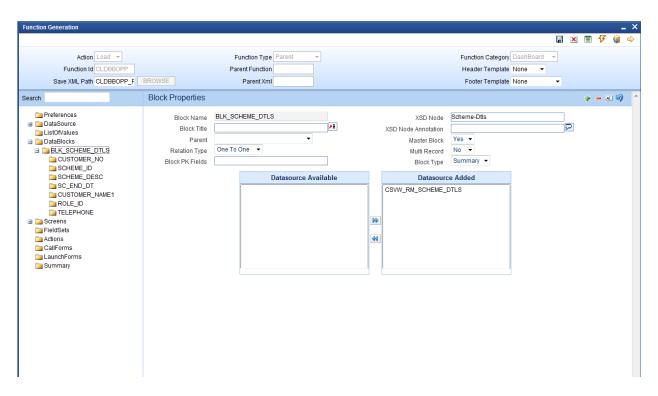


Fig 5.3.1: Data blocks

3.3.1 Block Fields

Add block fields to the block as required. If the field is a linked field (hyper link), select *Display type as Link*.

If the field is a linked field, dashboard link details have to be maintained in *dashboard link* tab.

Function Generation				_ ×
				📱 🗶 🗏 7 🧃 🤿
Action Load Function Id CLDBBOPP Save XML Path CLDBBOPP_F Search	Function Type Parent Parent Function BROWSE Parent Xml Block Field Properties	▼]]	Function Category DashBoard Header Template None Footer Template None	- M Q Ø
Preferences DataSource ListONatues DataBlocks DistONatues DataBlocks DistONATURE DI CUSTOMER_NO SCHEME_ID SCHEME_ID SCHEME_DESC SCHEND_DT CUSTOMER_NAME1 CUSTOMER_NAME1 CUSTOMER_NAME1 SCHEMELDD SCHENDE SCHENDE SCHENDE SCHENDE CUSTOMER_NAME1 CUSTO	Field Name CUSTOMER_NO Field Label DataSource CSWW_RM_SCHEME_DTLS Column Name CUSTOMER_NO DataType Varchar2 Uisplay Type UINK Related Field Related Field LOV Name Fieldset Name Fieldset Name	Minimum Value Maximum Value Maximum Decimals TextArea Rows TextArea Columns Default Value Preview Value	CUSTID	Required Visible Read Only Calender Text Popup Edit Required Uppercase Only LOV Validation Required Input by LOV Only Not Required in Xsd Report Parameter
LaunchForms	Custom Attributes Events DashBoard Link Level Column	Link Type Standard -	Function Name CODSCMQY	

Fig 5.3.1.1: Block fields

Level: Level can be either Row or Column.

If it is column, then the link is limited to that column alone and different links can be provided different fields in the same row. Multiple column level links can be defined for a summary dashboard

If it is row, the link is the same across all the fields in the row. Only one row level link can be defined for a summary dashboard. If a row level link is present, then no other link should be defined in the summary dashboard.

Link Type: Link Type can be standard or custom.

Function Name: Provide the function id which has to be launched on clicking the linked field. Linked field value will be taken as the primary key for launching this function id.

3.4 Summary

Development Workbench currently supports only summary dashboards. Attach the block to the summary screen. Hence don't create any screens.

Summary Screen Size: Specify the size of the summary screen

Main Summary Screen: Specify the main summary screen function id which will be launched on clicking *more*

Don't provide any values in default where clause. This has to be maintained by the user through user dashboard maintenance screen in Flex cube. Attach the fields which are required in the summary screen.

Function Generation _ X							
				📓 🗶 🗐 🞸 🍓 🚽			
Action Load	Function Type Parent		Function Category DashBoard	-			
Function Id CLDBPNAU	Pareni Function		Header Templale None *	_			
Save XML Path CLDBPNAU_F BROWSE	Parent Xmi		Fooler Template None	•			
Search Summary D	botaile			a 9 *			
	X-1011-5						
Preferences DataSource	iluo	Default Where Clause					
ListOfValues Data	Blocks BLK_UNAUTH •	Default Order By		2			
Carl Portoniona	Source CLVW_UNAUTH_TRNS -	Multi Branch Where Clause					
Screens Summa Summary Screens	a y	Main Summary Screen					
Actions Galarian Social Actions	self OITS and office		WebServices				
CaliForms			Required				
Summary Data Block Fit	eids Custom Butions Fields Ordering						
	Data Block Fields	Fields Selected	Query LOV Name				
		CUSTOMER_ID	E	-			
				×			
		DCYY	E				
			E	<u> </u>			
		MODULE_CODE		*			
				<u> </u>			
		AC_TYPE		*			
		BRANCH_CODE					
	•						
				🔹 🕨 📭 more 🔺			
	Customer ID Accourt	t Number Currency	Amount Module Code	Event			
	•			-			

Below screenshot shows the summary screen along with the preview of the screen

Fig 4.4.1: Summary Screen

4 Generation of units

Following units needs to be generated and deployed for the proper functioning of summary dashboard screen.

- i) SYS js
- ii) UIXML
- iii) Menu details inc (smtb_menu)
- iv) Summary Details inc(cstb_summary_info)
- v) Label Details, Data source details

5 User Maintenance

User need to maintain the dashboards accessible to him in user dashboard maintenance screen in FLEXCUBE . Sequence number of the screens as well as the *where clause of summary screen* has to be provided here.



Development of Dashboard Forms August 2013

Oracle Corporation World Headquarters 500 Oracle Parkway Redwood Shores, CA 94065 U.S.A.

Worldwide Inquiries: Phone: +1.650.506.7000 Fax: +1.650.506.7200 www.oracle.com/ financial_services/

Copyright © 2012-2013 Oracle Financial Services Software Limited. All rights reserved.

No part of this work may be reproduced, stored in a retrieval system, adopted or transmitted in any form or by any means, electronic, mechanical, photographic, graphic, optic recording or otherwise, translated in any language or computer language, without the prior written permission of Oracle Financial Services Software Limited.

Due care has been taken to make this document *Development of Dashboard Forms* and accompanying software package as accurate as possible. However, Oracle Financial Services Software Limited makes no representation or warranties with respect to the contents hereof and shall not be responsible for any loss or damage caused to the user by the direct or indirect use of *Development of Dashboard Forms* and the accompanying Software System. Furthermore, Oracle Financial Services Software Limited reserves the right to alter, modify or otherwise change in any manner the content hereof, without obligation of Oracle Financial Services Software Limited to notify any person of such revision or changes.

All company and product names are trademarks of the respective companies with which they are associated.