Oracle FLEXCUBE Universal Banking ® 12.87.04.0.0 Development Workbench - Source Upgrade

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1 Preface

This document describes the Refresh 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
*** 1. 1 1 1 7 *** 1 1 1	
Working knowledge of Web based applications	Self Acquired
Working knowledge of Oracle Database	Oracle Documentations
Working knowledge of PLSQL & SQL	Self Acquired
Language	
Working knowledge of XML files	Self Acquired

1.2 Related Documents

05-Development_WorkBench_Screen_Development-II.docx 14-Development_of_Online_Forms.docx 15-Development_of_Call_Form.docx 16-Development_of_Launch_Forms_and_Others_Screens.docx 12-Child_and_ScreenChilds_Concept_and_Design.docx

2 Introduction

2.1 How to use this Guide

The information in this document includes:

- <u>Chapter 2 , "Introduction"</u>
- <u>Chapter 3</u>, "Overview of Refresh Functionality in Oracle FLEXCUBE Development Workbench"
- Chapter 4, "Child Refresh"
- <u>Chapter 5 , "Screen Child Refresh"</u>
- <u>Chapter 6 , "Source Refresh"</u>

3 Overview of Refresh functionality in Oracle FLEXCUBE Development Workbench

Refresh Functionality allows us to upgrade the existing radxml to its later version keeping the *sub version* specific changes intact. Three kinds of refresh can done using the Tool.

- 1) Child Refresh
- 2) Screen Child Refresh
- 3) Source Refresh

4 Child Refresh

Child Refresh allows the developer to upgrade a child radxml with its latest parent radxml .In doing so; the latest changes done in parent functionId would be reflected in the child functionId while retaining all the changes done in the child level

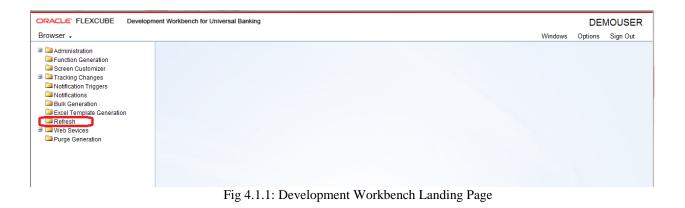
- This process is to be done within a release. i.e. child functionId has to be refreshed it's the parent function_id from the same release
- It is recommended that this process is done before development cut of the release for all child radxmls within a release. For instance; if development has happened parallel for a child and parent functionId during a release, child refresh should be done before base lining so that child and parent record types are consistent
- All the system units need to be regenerated after Child Refresh. A thorough unit testing is recommended after deployment of all generated units

4.1 Process Steps

Child Refresh process is explained taking two hypothetical functionIds , STDCIFD and as example

STDCIFD - Parent Screen STDCIFDC - Child Screen

Click on Refresh Node from Development Workbench landing page .



The following window will be launched

versal Banking - Wir	dows Internet Explorer		and the second		· becaused the	State Street	di terreta	
kbench for Univers	al Banking						DE	MOUSER
						Windows	Options	Sign Out
Refresh Type	Child Refresh	BROWSE Sub Folder	Base File List Base Release Type File Status	KERNEL V	Error Description		×	Sign Out
k	bench for Univers	bench for Universal Banking iource File List Release Type Refresh Type Child Refresh Child Refresh Child Refresh Child Refresh Screen Child Refresh	bench for Universal Banking iource File List BROWSE Release Type KERNEL Child Refresh Child Refresh Child Refresh Screen Child Refresh Screen Child Refresh	bench for Universal Banking iource File List Base File List Release Type KERNEL - Base Release Type Refresh Type Child Refresh Child Refresh Child Refresh Child Refresh	bench for Universal Banking iource File List Base File List Release Type KERNEL Refresh Type Child Refresh Ghild Refresh Grind Refresh Screen Child Refresh	bench for Universal Banking lource File List Release Type KERNEL Refresh Child Refresh Child Refresh Sub Folder File Status Error Description	bench for Universal Banking Windows bource File List BROWSE Base File List BROWSE Refresh Type Child Refresh Sub Folder Sluko File Name Sub Folder File Status Error Description Image: Child Refresh C	bench for Universal Banking Vinows Options Vinows Options Vinows Vinows Options Vinows

Fig 4.1.2: Workbench Refresh Screen

Source File List: Browse and select the text file containing source file list.

ORACLE' FLEXCUBE	Development Workbench for Universal Banking	g			DEI	MOUSER
Browser .				Window	s Options	Sign Out
Administration Function Generation Screen Customizer Incring Changes Notification Triggers Notification s	Refresti Source Eile List Upload	BROWSE	Base File List Base Release Type KERNEL +	BROWSE	×	
Bulk Generation Excel Template Generation Refresh Web Sevices Purge Generation	Upload File	Browse	File Status	Error Description		
	Organize New folder					
	odt,11,4 ODT_SOURCE ODT_SVN ODT1,4 plSQL prashant Preferences RAD_WASTE	Name SOURCE.txt STDCIFDC_RAD.xml	Date modified Type 9/4/2013 3:43 PM Text Dod 9/4/2013 3:25 PM XML File	Size		

Fig 4.1.3: Selecting source file list text file for Child Refresh

Source File list is a text file which contains the absolute path of all the child radxmls to be refreshed.

Notepad++ - D:\REFRESH\SOURCE\SOURCE.txt	
File Edit Search View Format Language Settings Macro Run TextFX Plugins Window ?	Х
2	🕨 📭 📑 📈 H 🖨
🔚 details 🔚 doc.txt 🔚 RadSmdradsc.js 🔚 search.txt 🔚 20ldXML.xsl 🔚 BASE 📑 SOURCE 🔛 SOUF	RCE.txt
1 D:\REFRESH\SOURCE\STDCIFDC_RAD.xml	

Fig 4.1.4: Content of source.txt file

The figure above shows the content of the source.txt file .Here STDCIFDS is the child radxml which has to be refreshed.

If child refresh of more than one functionId is required, absolute path of each child radxmls has to be specified; each in a new line

Base File List: Browse and select the text file containing base file list

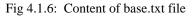
ORACLE FLEXCUBE	Development Workbench for Univer	sal Banking	9				DE	MOUSER
Browser -						Windows	Options	Sign Out
Administration Function Generation Screen Customizer Tracking Changes Notification Triggers Notifications	Refresh Source File Liel Upload	SOURCE.trl	BROWSE		SE.txt RNEL *	BROWSE	* ×	
Bulk Generation Excel Template Generation Refresh Web Sevices Purge Generation		Browse	File Status	Error De	scription			
	Choose File to Upload						×	
	🔾 🗢 📕 🕨 Computer 🕨	Data (D:) 🕨	RADTOOL + REFRESH + BASE +		- 4 ∳	Search BASE	٩	
	Organize New folder					:= ▼ [1 0	
	DDT_SOURCE	*	Name	Date modified	Туре	Size		
	ODT_SVN		LUSTOM12	9/4/2013 5:58 PM	File folder			
	3 ODT11_4		KER122	9/4/2013 5:59 PM	File folder			
	🎉 pISQL		MY1	9/4/2013 5:17 PM	File folder			
	🎉 prashant		BASE.txt	9/4/2013 3:43 PM	Text Document	1 KB		
	Preferences RAD_WASTE RADTOOL RADTOOL INC INC SS RAD_OP_FTVKK RAD_OP_FTVKK RAD_WL	Ξ	STDCIFD_RAD.xml	9/4/2013 1:36 PM	XML File	35 KB		
	REFRESH BASE							

Fig 4.1.5: Selecting base file list text file for Child Refresh

Base File list is a text file which contains the absolute path of all the parent radxmls to be refreshed (here STDCIFD is the parent radxml)

If child refresh of more than one functionId is required, absolute path of each parent radxmls has to be specified; each in a new line

Notepad++ - D:\REFRESH\BASE\BASE.txt	
File Edit Search View Format Language Settings Macro Run TextFX Plugins Window ?	Х
🕞 🗁 🗃 🖻 💫 🔏 🐚 🖿 ⊃ 🗲 🏙 🍢 🔍 🔍 🖫 🚍 🖘 ୩ 🌉 🖉 🔍 🖾 😓 🗆	
📇 details 🔚 doc.bt 📑 RadSmdradsc.js 🔚 search.bt 🔚 20ldXML.xsl 📑 BASE 🚍 SOURCE 🔚 SOURCE.bt 📑 BASE.bt	
1 D:\REFRESH\SOURCE\STDCIFD_RAD.xml	



File Location: Choose file location as client if the path provided is in the client machine . **Refresh Type:** Choose Refresh type as Child Refresh

Source Release type and base release type will be disabled for child refresh as the release type of both parent and child is assumed to be same .

Click on Refresh button on lower left portion of the screen and wait for the system to do the process.

Process time will vary depending on the number of files provided, size of each files etc

ministration nction Generation		20112051	(DD OLLOS			
reen Customizer		e File List SOURCE.txt	BROWSE	Base File List		
acking Changes	Source Relea			Base Release Type	KERNEL -	
tification Triggers	Refr	esh Type Child Refresh	•			
tifications Ik Generation						
ik Generation cel Template Generation						
fresh	SI.No	File Name	Sub Folder	File Status	Error Description	^
b Sevices	1	STDCIFDC_RAD.xml	REFRESH	Refreshed v		
rge Generation						
						-
					Refresh	Close

Fig 4.1.7: File Status after Refresh

After Completion of the process, status will be shown in the screen. File status will be successful if refresh is successful.

Save Mode should be either Client Path or Save path for Refresh activity. Zip mode is not supported. Files will be generated in the Work Directory specified.

Generated Files:

 Refreshed Radxml :A folder named RADXML will be created within the source file path which will contain refreshed files for the particular source(child) radxml. For instance, if source file path is D:\REFRESH\SOURCE\ STDCIFD_RAD.xml;

refreshed file can be found at D:\REFRESH\SOURCE\RADXML\ STDCIFD_RAD.xml

For child refresh of multiple files, it is recommended to place all source radxmls in one folder so that generated files could be found at a single location

2) Log Files : Following log files will be generated

i)Refresh Log : This contains the status of all the files refreshed.ii)Refresh Report : This file can be used for troubleshooting .

4.2 Functionality Demonstration

In the above Child Refresh process, STDCIFDS is refreshed with the latest STDCIFD.

The figure below shows the preview of STDCIFD and STDCIFDC main screens before refresh

Function Generation	🔶 Main					×		×
	🖹 New 🦻 Enter Query						(ii) 🔀	🔳 7 🧃 🤟
Action Load - Function Id STDCIFD Save XML Path STDCIFD_RAI	Customer No Name Type Address					ianc Jdil		
Search								- 🔊 🖾 🧐 🦯
Preferences DataSource	MIS Change Log							
 DataSource ListOfValues DataBlocks 	Maker Checker	Date 1	Time:					
CVS MAIN		Date 1	Time:			Exit		
🖃 🥅 FieldSels	Mod No	Record S Authorization S			_			
EST_CUST1								
CallForms	Argomenname	2001 CF, DIOCK	2001Ce rieiu	en dinnaan, aqina	rarger crock	rargetF	ield A	ctive
Summary								
								-

Fig 4.2.1: STDCIFD screen before changes

Function Generation	◆ Main 🛛		
	🕒 New 🔄 Enter Query	📓 🗷 🔳 🐬 🌘) 4
Action Load	Address	ance - Julit -	9 ^
DataSource ListOrvalues DataBlocks Screens CVS_MAIN FredSets FST_CUST1	Maker Date Time: Checker Date Time: Mod No Record Status Authorization Status	+ -	
FST_CUST2	Argument Name Source Hock Source Held Argument Volue Larget Block Larg	et Field Active	
Actions CaliForms LaunchForms Summary			
		*	

Fig 4.2.2: STDCIFDC screen before refresh

From the screen preview it can be noted that in the child screen many changes has been done which had resulted in a very different layout. Many field sets which were part of the parent screen has been made hidden and new field sets containing new fields has been introduced in the child screen.

Now we load STDCIFD in Workbench in the current release and made some modifications to it as required. A new field COUNTRY AND NATION have been introduced

Preview of STDCIFD after the modifications is shown below. Note the newly added field highlighted.

Function Generation	🔶 Main			×	×
	🗗 New 🦻 Enter Query				📓 🗵 🗏 🖗 😅
Action Load - Function ic STDCIFD Save XML Path STDCIFD_RAI	Customer No Name Type Address		Country Nationality		ance V V Jdil V
Search					- 🖾 🖉 🗳
🚞 Preferances 🕢 DalaSource	MIS Change Log				a l
 ListOfValues DataBlocks 	Maker Checker	Date Time:			
G CVS_MAIN		Date Time:		Exit	
FieldSels FST_CUST1	Mod No	Record Status Authorization Status			+ -
FST_CUST5	Асуопненстватое	3001 CF DIOCK	Sourcement wheet whee	rarger block ra	rget Field Active
CaliForms					
🛄 Summary					

Fig 4.2.3: STDCIFD screen after modifications

Child Refresh of STDCIFDC is done as explained in previous section.

The system units(main packages, language xml.sys js ,xsd's etc) are regenerated by loading the refreshed radxml and deployed .All the units need to be regenerated. Preview of STDCIFDC main screen after refresh is shown below

🗈 New 🖻 Enter Query	
Customer Nd* Address Type Individual Corporate Country	
MIS	
Maker Date Time: Checker Date Time: Mod No Record Status Authorization Status	Exit

Fig 4.2.4: STDCIFDC main screen after child refresh

Here we can find that the field added in parent screen has come in the child screen as well. Meanwhile ,other differences we have noticed between the initial parent and child screens has not come up as they were over ridden in the child functionId.

Hence we find that the changes done in the parent has come up in the child while retaining the changes done in the child .Note that only screen layout changes has been explained in this demonstration for ease of understandability ;this is applicable for all nodes(e.g.: cal form, launch form, lovs etc)

5 Screen Child Refresh

Screen Child Refresh allows the developer to upgrade a screen child radxml with its latest parent radxml .In doing so; the latest changes done in parent functionId would be reflected in the screen child functionId while retaining all the changes done in the screen child level

- This process is to be done within a release. i.e. screen child functionId has to be refreshed with its parent functionId from the same release
- If the parent functionId of the screen child is a child screen ,then it is recommended that child refresh of that screen to be carried out before doing screen child refresh
- It is recommended that this process is done before development cut of the release for all child radxmls within a release. For instance; if development has happened parallel for a screen child and its parent functionId during a release, screen child refresh should be done before base lining so that screen child and parent record types are consistent

• All the system units need to be regenerated after Screen Child Refresh. A thorough unit testing is recommended after deployment of all generated units. Note that only frontend units will be generated for a screen child functionId.

5.1 Process Steps

For explanation purpose two dummy functionId's has been used : STDCIFD: parent screen STDCIFDC: screen child of STDCIFD

Process steps are similar to child refresh. Refer section 4.2 for more detailed explanation

In the Refresh Page, provide input to fields as: **Source File List:** Browse and select the text file containing source file list

Source File list is a text file which contains the absolute path of all the screen child radxmls to be refreshed.

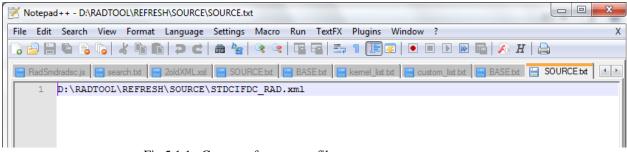


Fig 5.1.1: Content of source.txt file

The figure above shows the content of the source.txt file .Here STDCIFDS is the screen child radxml which has to be refreshed.

If screen child refresh of more than one functionId is required, absolute path of each screen child radxmls has to be specified; each in a new line

Base File List: Browse and select the text file containing base file list

Base File list is a text file which contains the absolute path of all the parent radxmls to be refreshed (here STDCIFD is the parent radxml)

If screen child refresh of more than one functionId is required, absolute path of each parent radxmls has to be specified; each in a new line

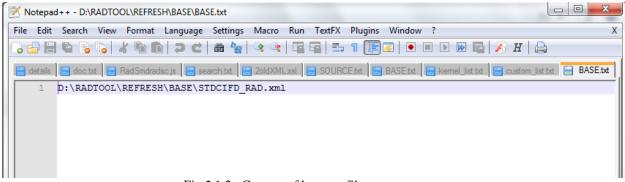


Fig 5.1.2: Content of base.txt file

File Location: Choose file location as client if the path provided is in the client machine. **Refresh Type:** Choose Refresh type as Screen Child Refresh Source Release type and base release type will be disabled for Screen child refresh as the release type of both parent and child is assumed to be same.

Click on Refresh button.

After Completion of the process, status will be shown in the screen. File status will be successful for refresh is successful.

Administration Function Generation Screen Customizer Tracking Changes Notification Triggers Notifications Buik Generation	Source Rele	e File List SOURCE txt ase Type KERNEL = esh Type Screen Child Refre	BROWSE	Base File L Base Release Ty		_ ×
Excel Template Generation	SI.No	File Name	Sub Folder	File Status	Error Description	^
Refresh Web Sevices Purge Generation	1	STDCIFDC_RAD.xml	REFRESH	Refreshed -		
					Refres	h Close

Fig 5.1.3: File Status after Screen Child Refresh

After Completion of the process, status will be shown in the screen. File status will be successful if refresh is successful.

5.2 Functionality Demonstration

In the above Child Refresh process, STDCIFDC is refreshed with the latest STDCIFD.

The figure below shows the preview of STDCIFD and STDCIFDC main screens before screen child refresh

Function Generation				_ ×
			l	📱 🗶 🗏 🖗 🍕 🔿
Action Load -	Function Type Parent	-	Function Calegory Mainlenance *	
Function Id STDCIFD	Parent Function		Header Template None 👻	
Save XML Pain STDCIFD_RAI	OWSE Parent Xml		Fooler Template Maint Audit	-
Search	Screen Details			- 🗉 🗖 🌀 🔨
Preferences DataSource DataSource DataBlocks	Screen Name CVS_MAIN Screen Title Main	I Main Screen I ✓ Visible	×	
G Screens	🕞 New 🔄 Enter Query			
a CVS_MAIN FieldSets Califorms Califorms Summary	Customer No Name Type Address		ield	Active ^
- Owners	Go to Page		+ - =	
	Group Id Customer No	Relation		
	•	m	•	
	MIS Change Log			
	Checker	e Time: e Time:		•
		1 Status	Exit	

Fig 5.2.1: Preview of STDCIFD before changes

Function Generation									. ×
						2	s 🔳 1	V 🧐	\$
Action New		Function Type Scre Parent Function STDC Parent Xml STDC			Function Calegory Mainlenance Header Templale None 👻 Fooler Template Maint Audit	*			
Search	Screen Details						 AT	U 🔯 🏟	^
DataBlocks BLK_CUSTOMER BLK_CROUP Creans CVS_MAIN CHEADER BODY TAB_MAIN SEC_CUST	Anter	/S_MAIN	×5	i Main Screen	×		+	•	
	Address				rget Fie	sid	Active		
FieldSels FST_CUST1 FST_CUST2 Actions	Group Id	Go to Page Customer No	Relation						
					~				
	•		III		•				
	MIS Change Log Maker Checker		Date Time: Date Time:		Exit			÷	
	Mod No		cord Status tion Status						

Fig 5.2.2: Preview of STDCIFDC before screen child refresh

Let us assume that some changes are done in STDCIFD as part of the current release. New field has been added and introduced in the screen. Preview of STDCIFD main screen after changes is shown below

Find the newly added fields (Nationality and Language) placed in a new field set highlighted in the figure

Function Generation					×
					🗶 🔳 🌮 🌒 🗢
Action Load - Function Id STDCIFD Save XML Path STDCIFD_RAI	Function Parent Func BROWSE Parent		Не	nction Calegory Mainlenance 👻 eader Templale None 👻 coller Template Maint Audit 👻	
Search	Scroon Dataile			×	- 🛛 🛪 🇳 🔺
Preferences ListOfvalues ListOfvalues DataBlocks Creens DirectS, MAIN FieldSets FieldSets FieldSets FieldSets	Main Main Customer No Name Type Address		Nationality Language		
FST_CUST2 FST_CUST4 Actiens Califorms LaunchForms Summary	Group Id Customer N			arget Field	Active
	MIS Change Log Maker Checker Mod No	Date Time: Date Time: Record Status Authorization Status		Exit	•



Do screen Child Refresh for STDCIFDC with the latest parent (i.e. STDCIFD with new fields and field set). Regenerate system units for the refreshed radxml and deploy .

			- II 🗙 🗏 7 😏
Action Load 👻	Function Type Screen Child 👻	Function Category Maintenance 💌	
Function Id STDCIFDC	Parent Function STDCIFD	Header Template None 👻	
Save XML Path D:\RADTOOL\F	Parent Xml	Footer Template Maint Audit 👻	
Search	Screen Details		- 🛚 🔾 🌍
a DataBlocks a ⊡ Screens a ⊇ CVS_MAIN a ⊇ FieldSets	Screen Name CVS_MAIN Screen Title Main Screen Size Medium Exit Button Type Default Cancel	I I Main Screen x∃ I Visible	
	Main New Enter Query		Populate + - get Field Active
	Customer Number Name Type Address	Nationality Language Country	
	Group Id Customer No Rel	lation *	
	MIS Change Log	n	
	Maker Date Tim Checker Date Tim		it
	Mod No Record Statu	IS	

Fig 5.2.4: Preview of STDCIFDC after screen child refresh

Here we can find that new fields and field set added in the parent has come in the screen child while the original screen child changes has also been retained.

6 Source Refresh

Source Refresh allows the customer upgrade his existing release with latest release of Flexcube without affecting his custom changes .By using source refresh option all the extensible radxml's of older version can be updated with latest version changes.

- Source Refresh is possible only for the extensible screens. Hence for non extensible screens customization on the screens can't be retained in case of upgrade
- Source Refresh is done for radxmls in different releases.
- All system units needs to be regenerated after source refresh . A thorough unit testing is recommended after deployment of all generated units
- Child and Screen Child Refresh will be done implicitly during Source Refresh if any child/screen child screens are present .Hence if source refresh of any child/screen child has to be done, include parent radxmls also in the source and base file lists
- Select proper release types for source and base while upgrading in Refresh Page.

It is meaningless to do source refresh between two Kernel versions (or two cluster versions etc) as we can replace the entire source with latest version in such scenario. *Hence Source and Base Release types can never be the same for Source Refresh*

Source release type cannot be **Kernel** it can be either Cluster or Custom. Base Release type options will depend on the source release type selected.

Source Release Type	Cluster	Custom
Base Release Type	Kernel	Kernel, Cluster

- If user selects custom as source release type he has option to upgrade his release based on either cluster pack or Kernel.
- If user selects Cluster as source release type we have only one option as base release type i.e. Kernel.

6.1 Process Steps

Consider a bank which is running on 12.0 version of Flexcube .Bank has done custom developments on top of 12.0 Kernel version .Now bank is upgrading to 12.0 sources

Here we consider the case of a single functionId (STDCIFD) for demonstration

Process steps are similar to child refresh. Refer section 4.2 for more detailed explanation

In the Refresh Page, provide input to fields as: **Source File List:** Browse and select the text file containing source file list

Source File list is a text file which contains the absolute path of all the source release radxmls to be refreshed. Here 11.3 custom radxmls used by bank is the source .

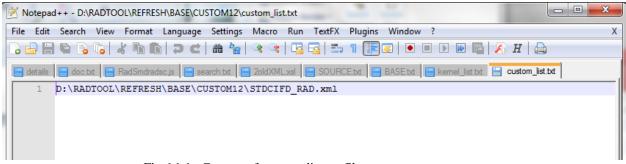


Fig 6.1.1: Content of custom_list.txt file

The figure above shows the content of the source.txt file .Here STDCIFD is the 12.0 custom version radxml which has to be upgraded to 12.2 .If source refresh of more than one functionId is required, absolute path of each source radxmls has to be specified; each in a new line

Base File List: Browse and select the text file containing base file list

Base File list is a text file which contains the absolute path of all base version radxmls with which source has to be refreshed. If source refresh of more than one functionId is required, absolute path of each base version radxmls has to be specified; each in a new line

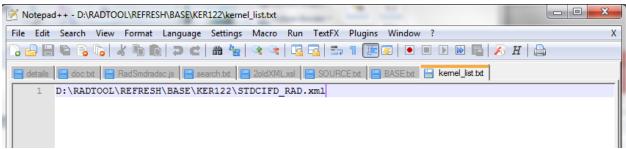


Fig 6.1.2: Content of Kernel_list.txt file

File Location: Choose file location as client if the path provided is in the client machine. **Refresh Type:** Choose Refresh type as Source Refresh **Source Refresh Type:** Source files are of custom release type (12.0 custom version), here

Source Refresh Type: Source files are of custom release type (12.0 custom version) ,hence provide source refresh type as custom

Base Refresh Type: Base files are from 12.2 Kernel release. Hence select base release type as Kernel

Administration Administration Function Generation Screen Customizer Tracking Changes Notification Triggers Notifications Buik Generation	Source Relea	File List custom_list.bt ase Type Custom ▼ esh Type Source Refresh	BROWSE	Base File Li Base Release Ty		_ ×
Excel Template Generation	SI.No	File Name	Sub Folder	File Status	Error Description	A
Refresh Web Sevices	1	STDCIFD_RAD.xml	BASE	Refreshed		
Block Detail Upload			D, KOL			
🛙 🚞 Test Case Definition						
Runchart Definition						
Test Case Data Upload Create Request						
Test Case Execution						
Runchart Execution						
Test Case Data Bulk Upload Execution Report						
Purge Generation						
					Refresh	Close
					Reliesh	01030

Fig 6.1.3: Release type Selection for Source Refresh

Click on Refresh button.

After Completion of the process, status will be shown in the screen. File status will be successful for refresh is successful.

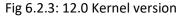
6.2 Functionality Demonstration

In the above section process for upgrading a 12.0 custom release functionId (STDCIFD) with its 12.2 version is explained

The figure below shows the preview of STDCIFD screen as used by the bank;i.e.12.0 custom version

In custom version, Auto Generate button which was present in 12.0 Kernel version was not required; hence made hidden. Highlighted section shows the original position of Auto Generate button in kernel version of 12.0.

Function Generation	🔶 Main				×	:				_ ×
	New Enter Query						×	= 7	 § 	⇔
Action Load Function Id STDCIFD Save XML Path D\RADTOOLI	Customer Number Type			Address Auto Ger	ierate					
Search								— Aï	D	-
Preferences DataSource DataSource DataBlocks DataBlocks DataBlock DataBlock CUSTNO	Group Id	Customer No	Relation		^					
CUSTTYPE CNAME ADDR1	•				* •	arget Field	Рори		+ –]
CNTY	MIS Change Log					got noid		-		-
LANG BTM_MIS	Maker Checker		Date Time:							
BTN_DEMO BLK_GROUP			Date Time:		Exit					
Greens CVS_MAIN	Mod No	Re	cord Status							
FieldSets FST_CUST1 FST_CUST2 FST_CUST3 Actions CallForms LaunchForms Summary										



Function Generation	♦ Main ×				_ ×
	New Enter Query		×	77 🧃	🔿
Action Load Function Id STDCIFD Save XML Path D:\RADTOOL\F	Customer Number Name Address				
Search Preferences DataSource STM_CUSTOMER STM_CUST_GROUP LictOVAlues DataBlocks	Group Id Customer No Relation		-	<u>ai</u> 🗔 🕻	2
BLK_CUSTOMER CUSTNO			Populate	+ -	a l
	MIS Change Log	arget Field		Active	_
C ADDR1 C CNTY NLTY LANG	Maker Date Time: Checker Date Time: Exit				
TTM_MIS TTM_CEMO TTM_CEMO Lock_GROUP Lock_GROUP TELSts Actions CallForms LaunchForms Summary	Mod No Record Status				

Fig 6.2.1 : 12.0 Custom version of STDCIFD screen used by bank

The figure below shows the preview of 12.2 Kernel version of STDCIFD. Notice some of the changes done in 12.2 Kernel version highlighted in the figure

- 1) Country field is added in the body
- 2) Nationality fields is added in body

Also note that Auto Generate button has been retained in 12.2 Kernel version from 12.0 Kernel

Function Generation	🔶 Main											(×				
	E∔ New	P Enter Query													×	7 🥥	\$
Action Load -		Customer N Typ Count	pe			-		Name Address	ofuÁ	Generate			iance	-			
Save XML Path STDCIFD_RAI	8	National	ity										adit	*			
Search	∢ ∢ 1	of 1 🕨 🕨	Got	o Page		_					+ -				~~ [> ^
Preferances		Group Id	Cust	tomer No		Relation	ı					~					
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iiiii LANG iiiii BTM_MIS		Maker			Date T	lime:											
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FST_CUST3																	
Actions																	
CaliForms																	
Summary																Ψ.	

Fig 6.2.2: 12.2 Kernel version of STDCIFD screen to which bank source has to be upgraded

Do Source Refresh as explained in the previous section.

Regenerate all system units (main package, language xml, sys js ,xsds etc) and deploy in Flexcube server

Compile/Deploy Kernel sources (kernel packages, kernel js etc) from the base release (12.2 here) in Flexcube server.

The figure below shows the preview of the screen after Source Refresh

Function Generation	♦ Main X				_ ×
	New Enter Query		× =	7	9 🔿
Action Load Function Id STDCIFD Save XML Path D/RADTOOLV Search	Customer Number * Name Type Address Country Nationality			at 🟹	<u>ن</u> ې (تا
 Preferences DataSource ListOfValues DataBlocks Screens CVS_MAIN FieldSets Actions CallForms LaunchForms Summary 	Group Id Customer No Relation	arget Field	Populat	e + Active	
	Maker Date Time:				
	Checker Date Time:				
	Mod No Record Status				

Fig 6.2.4: 12.0 Custom version of STDCIFD after upgrading to 12.2

Here we can observe that changes from 12.2 Kernel are now reflected in the custom version also.

1) Country field in body has come in the refreshed file

2 Nationality field of body has also come up in the refreshed screen from the base version

3) Auto Generate button has not come in the Refreshed screen even though it was present in the base screen. This is because it was made hidden in the custom version. Custom changes are retained



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