# Development Workbench – Bulk Generation Oracle FLEXCUBE Investor Servicing Release 14.6.0.0.0 [May] [2022]

FINANCIAL SERVICES



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## 1. Preface

This document describes the Bulk Generation functionality available in Oracle FLEXCUBE Development Workbench for Universal Banking and guides the developers/users to generate files for a set of radxmls at one time from Workbench.

### 1.1 Audience

This document is intended for FLEXCUBE Application developers/users that use Development Workbench to generate various FLEXCUBE components. Mainly used by vercon team.

Proficiency	Resources
FLEXCUBE Functional Architecture	Training programs from Oracle
	Financial Software Services.
FLEXCUBE Object Naming conventions	Development Overview Guide
Working Knowledge of Oracle	User Manuals
FLEXCUBE Development Workbench	
for Universal Banking	
Working knowledge of Oracle Database	Oracle Documentations
Working knowledge of PLSQL	Respective vendor documents
developer	
Working knowledge of PLSQL & SQL	Self Acquired
Language	_
Working knowledge of XML files	Self Acquired

To Use this manual, you need conceptual and working knowledge of the below:

#### **1.2 Related Documents**

04-Development WorkBench Screen Development-I.pdf 05-Development WorkBench Screen Development-II.pdf

## 2. Introduction

This document contains:

- <u>Chapter 2 , "Introduction"</u>
- Chapter 3 , " Bulk Generation"
- <u>Chapter 4</u>, "Console Log"

### 3. Bulk Generation

Oracle FLEXCUBE Universal Banking Development Workbench provide Bulk Generation (all files at one time) of both front-end and backend units for both Extensible and Non-Extensible radxmls. The Bulk Generation Screen is shown below.

Bulk Generation						_ ×
Source File Li: Data XML Pai		BROWSE	Destination Path Source Files	3oth	¥	
Front-End Files	System Packages	Hook Packages	Meta Data		Others	*
RadXML V Screen Xml V System JS	Main Package Body K Notification Triggers C Upload Package Spec C Upload Package Body C	ernel Package Body luster Package Spec luster Package Body ustom Package Spec ustom Package Body	Menu Details Label Deta Datasource Details Block PK C LOV Details Function C Block Details Gateway D Screen Details Notification Amendable Details Function P Call form Details Summary Details	Columns Call Forms Details n Details	Xsds Screen Html Upload Table Trigger Upload Tables Definition Archive Table Definition	÷
SI.No	File Name	Sub Folder	File Status		Error Description	*
					Ga	
					Ge	nerate Close

Fig 3.1: Bulk generation Screen

For bulk generation user has to follow the following steps: *For non extensible function id's(radxmls), bulk generation of front end files only are supported* 

#### 3.1 Source File List

User must create a **text file** containing the absolute path of the radxmls for which bulk generation has to be done.

Prepare a text file with absolute path.

*If all the files are placed in one folder, dos commands (as shown below) can be used to generate the text file.* 

Z:\FLEXCUBE\_Kernel\FCUBS\_11.4.0\MAIN>Dir /b /s \*\_RAD.xml > D:\BulkGeneration\Console.txt

Source-files.txt - Notepad	
File Edit Format View Help	
<pre>2:\FLEXCUBE_Kerne]\FCUBS_11.4.0\MAIN\BC\RADXML\BCCTRACT_RAD.xm] 2:\FLEXCUBE_Kerne]\FCUBS_11.4.0\MAIN\BC\RADXML\BCCTRFT_RAD.xm] 2:\FLEXCUBE_Kerne]\FCUBS_11.4.0\MAIN\BC\RADXML\CFCTRIFF_RAD.xm] 2:\FLEXCUBE_Kerne]\FCUBS_11.4.0\MAIN\BC\RADXML\CFCTRIFARAD.xm] 2:\FLEXCUBE_Kerne]\FCUBS_11.4.0\MAIN\BC\RADXML\CFCTRIFT_RAD.xm] 2:\FLEXCUBE_Kerne]\FCUBS_11.4.0\MAIN\BC\RADXML\CFCTRIFT_RAD.xm] 2:\FLEXCUBE_Kerne]\FCUBS_11.4.0\MAIN\BC\RADXML\CFCTRIFT_RAD.xm] 2:\FLEXCUBE_Kerne]\FCUBS_11.4.0\MAIN\BC\RADXML\ISCINCHG_RAD.xm] 2:\FLEXCUBE_Kerne]\FCUBS_11.4.0\MAIN\BC\RADXML\ISCINCHG_RAD.xm] 2:\FLEXCUBE_Kerne]\FCUBS_11.4.0\MAIN\BC\RADXML\TFCTRLNK_RAD.xm] 2:\FLEXCUBE_Kerne]\FCUBS_11.4.0\MAIN\BC\RADXML\TFCTRLNK_RAD.xm] 2:\FLEXCUBE_Kerne]\FCUBS_11.4.0\MAIN\BC\RADXML\TFCTRLNK_RAD.xm] 2:\FLEXCUBE_Kerne]\FCUBS_11.4.0\MAIN\BC\RADXML\CCCS_RAD.xm] 2:\FLEXCUBE_Kerne]\FCUBS_11.4.0\MAIN\BC\RADXML\CCCS_RAD.xm] 2:\FLEXCUBE_Kerne]\FCUBS_11.4.0\MAIN\Branch\RADXML\CCCS_RAD.xm] 2:\FLEXCUBE_Kerne]\FCUBS_11.4.0\MAIN\Branch\RADXML\CTCT_RAD.xm] 2:\FLEXCUBE_KErne]\FCUBS_11.4.0\MAIN\Branch\RADXML\CTCT_RAD.xm] 2:\FLEXCUBE_KErne]\FCUBS_11.4.0\MAIN\Branch\RADXML\CTCT_RAD.xm] 2:\FLEXCUBE_KErne]\FCUBS_11.4.0\MAIN\Branch\RADXML\CTCT_RAD.xm] 2:\FLEXCUBE_KErne]\FCUBS_11.4.0\MAIN\Branch\RADXML\CTCT_RAD.xm] 2:\FLEXCUBE_KErne]\FCUBS_11.4.0\MAIN\Branch\RADXML\CTCT_RAD.xm] 2:\FLEXCUBE_KErne]\FCUBS_11.4.0\MAIN\Branch\RADXML\CTCT_RAD.xm] 2:\FLEXCUBE_KErne]\FCUBS_11.4.0\MAIN\Branch\RADXML\CTCT_RAD.xm]</pre>	
2. (PLEACOBE_KEITHET (PCOBS_III.4.) (ANTIA (DI BIICH (KADAME (LOCH_2_KAD. ANTIA	~

Fig 3.1.1: Source File list sample

#### 3.1.1 Include Call form List

If user is generating for function id's which has call forms attached to it, call form list should be included as a part of the source file list. If call form is not included generation will fail.

If units for call form files are not required to be generated, then call form paths can be prefixed with double hyphen (--). All lines starting with double hyphen (--) won't be taken up for bulk generation.

As it is difficult to search and put each callform for individual screen prepare callform list upfront and add the files to be generated at the end of callform list. Even if any of callform is repeated in generation list it won't affect the generation of that file.

Source-files.txt - Notepad	
File Edit Format View Help	
Z:\FLEXCUBE_Kerne]\FCUBS_11.4.0\MAIN\BC\RADXML\BCCORAAL_RAD.xm] Z:\FLEXCUBE_Kerne]\FCUBS_11.4.0\MAIN\BC\RADXML\BCCONOAU_RAD.xm] Z:\FLEXCUBE_Kerne]\FCUBS_11.4.0\MAIN\BC\RADXML\BCCREGAU_RAD.xm] Z:\FLEXCUBE_Kerne]\FCUBS_11.4.0\MAIN\BC\RADXML\BCTREFT_RAD.xm] Z:\FLEXCUBE_Kerne]\FCUBS_11.4.0\MAIN\BC\RADXML\BCTREFT_RAD.xm]	^
Z:\FLEXCUBE_Kernel\FCUBS_11.4.0\MAIN\BC\RADXML\BCCTRRF_RAD.xml Z:\FLEXCUBE_Kernel\FCUBS_11.4.0\MAIN\BC\RADXML\CFCTRIHG_RAD.xml Z:\FLEXCUBE_Kernel\FCUBS_11.4.0\MAIN\BC\RADXML\CSCTRSPT_RAD.xml Z:\FLEXCUBE_Kernel\FCUBS_11.4.0\MAIN\BC\RADXML\DACTRTT_RAD.xml Z:\FLEXCUBE_Kernel\FCUBS_11.4.0\MAIN\BC\RADXML\DACTRTT_RAD.xml	
Z:\FLEXCUBE_Kernel\FCUB5_11.4.0\MAIN\BC\RADXML\ISCINTRI_RAD.xml Z:\FLEXCUBE_Kernel\FCUB5_11.4.0\MAIN\BC\RADXML\ISCINTS_RAD.xml Z:\FLEXCUBE_Kernel\FCUB5_11.4.0\MAIN\BC\RADXML\TFCTRLNK_RAD.xml Z:\FLEXCUBE_Kernel\FCUB5_11.4.0\MAIN\BC\RADXML\ADCBRDET_RAD.xml Z:\FLEXCUBE_Kernel\FCUB5_11.4.0\MAIN\BC\RADXML\ADFMRD_RAD.xml	
2:\FLEXCUBE_Kernel\FCUBS_11.4.0\MAIN\CL\RADXML\CLDSWMSG_RAD.xml 2:\FLEXCUBE_Kernel\FCUBS_11.4.0\MAIN\CL\RADXML\CLDINSQY_RAD.xml 2:\FLEXCUBE_Kernel\FCUBS_11.4.0\MAIN\CL\RADXML\CLDGUQRY_RAD.xml 2:\FLEXCUBE_Kernel\FCUBS_11.4.0\MAIN\CL\RADXML\CLDEVDRY_RAD.xml	~

Fig 3.3.1.1: Including call forms in source file list

**Example:** Including callform to the Source list.

--Z:\FLEXCUBE\_Kernel\FCUBS\_11.4.0\MAIN\AM\RADXML\AMCPRPCL\_RAD.xml

If generating complete radxmls from base line area, call form list is not required.

#### 3.2 **Destination Path**

Enter the absolute path where files will be generated.

This path should be in the Client Machine if Save Mode is Client; and it should refer to a path in Server if the Save Mode is Server. Zip mode is not supported for Bulk generation activity

#### 3.3 Sources Files

User has option to generate both extensible and non extensible files

- **Extensible** → On selection of this option only extensible files will be considered for generation.
- **Non-Extensible** → On selection of this option only non-extensible files will be considered for generation.
- **Both**  $\rightarrow$  Both extensible and non-extensible gets generated.

Data XML Path Field is defunct

User has to select required files to be generated for all RADxml's .Workbench will generate the required files into respective folders.

Bulk Generation							_ ×
Source File Lis Data XML Pat		BROWSE	Destination Path Source Files	D:\DEST Both	•		
Front-End Files	System Packages	Hook Packages	Meta Data		Others		~
<ul> <li>RadXML</li> <li>Screen Xml</li> <li>System JS</li> </ul>	Main Package Body Notification Triggers Upload Package Spec		Block Details Gatew	PK Columns on Call Forms ay Details	🔲 Upload Table Trigger		
		Custom Package Spec	Screen Details Notific     Amendable Details Functi     Call form Details     Summary Details	ation Details on Parameters	Upload Tables Definition     Archive Table Definition		
			Cummary Details				~
SI.No	File Name	Sub Folder	File Status		Error Description		*
							Ţ
L							
					Ge	enerate	Close

Fig 3.4.1: Bulk generation Screen after selecting required units

On successful generation of files file status will be displayed generated if success or failed for failed.

Note: No Front End units will be generated for notification and purge-entity radxmls

5     FTDCONAU_RAD.xml     FT     Generaled       6     FTDCONON_RAD.xml     FT     Not Generaled       7     FTDCXFRA_RAD.xml     FT     Generaled       8     FTDDSHBD_RAD.xml     FT     Generaled       9     FTDMCKCH_RAD.xml     FT     Generaled       10     FTDMT101_RAD.xml     FT     Generaled		rce File List buikgen M a XML Paih	BROWSE			ination Path Source Flies	D OEST Bolh	•	
FTDCONAU_RAD.xml       FT       Generaled       Califorms Not Available         7       FTDCONAU_RAD.xml       FT       Generaled       Califorms Not Available         7       FTDCSHBD_RAD.xml       FT       Generaled       Califorms Not Available         9       FTDMCKCH_RAD.xml       FT       Generaled       Califorms Not Available         10       FTDMCKCH_RAD.xml       FT       Generaled       Califorms Not Available		Error Descrip	tion			•	Columns Call Forms Details	Xsds Screen Himi Upload Table Trigg	
6     FTDCONON_RAD.xml     FT     Not Generaled     Califorms Not Available       7     FTDCXFRA_RAD.xml     FT     Generaled        8     FTDDSHBD_RAD.xml     FT     Generaled        9     FTDMCKCH_RAD.xml     FT     Generaled        10     FTDMT101_RAD.xml     FT     Generaled						Ok	Err	or Description	
7     FTDCXFRA_RAD.xml     FT     Generaled ~       8     FTDDSHBD_RAD.xml     FT     Generaled ~       9     FTDMCKCH_RAD.xml     FT     Generaled ~       10     FTDMT101_RAD.xml     FT     Generaled ~	5	FTDCONAU_RAD.xml	FT	Generalsd					
8     FTDDSHBD_RAD.xml     FT     Generaled •       9     FTDMCKCH_RAD.xml     FT     Generaled •       10     FTDMT101_RAD.xml     FT     Generaled •	6	FTDCONON_RAD.xml	FT	Not Generaled	- 0:	illorms Not Av	allable		
9     FTDMCKCH_RAD xml     FT     Generalsd ~       10     FTDMT101_RAD.xml     FT     Generalsd ~	7	FTDCXFRA_RAD.xml	FT	Generalsd					
10 FTDMT101_RAD.xml FT Generaled ~	8	FTDDSH80_RAD.xml	FT	Generalsd	•				
	9	FTDMCKCH_RAD xml	FT	Generalsd	•				
	10	FTDMT101_RAD.xml	FT	Generalsd	-				
14 ETDNEDCI Dáfismi CT Consistent v	44		£T	Consentant					*

Fig 3.4.2: After Successful generation

Bulk Generat	tion							_ ×
	e File List bulkgen.bt XML Path	BROWSE		Destination Path Source Files	D:\DEST Both	T		
Front-End	Files System Packages	Hook Packages		Meta Data		Others		*
<ul> <li>RadXM</li> <li>✓ Screen</li> <li>✓ System</li> </ul>	n Xml Main Package Body n JS Notification Trigger	Kernel Package B	ody Datasour Spec LOV Deta Body Block Det Spec Screen D	ce Details Block F ils Functionalis Gatewa etails Notifica le Details Function Details	'K Columns n Call Forms ay Details ttion Details	Xsds Creen Html Upload Table Trigger Upload Tables Definition Archive Table Definition		Ŧ
16	FIDSRELA_RAD.XMI	FI	Generated					*
17	FTDTCONS_RAD.xml	FT	Generated	· .				
18	FTDTRAUT_RAD.xml	FT	Generated	-				_
19	FTDTRONL_RAD.xml	FT	Generated	· [				_
20	FTDVDSPR_RAD.xml	FT	Generated	· [				
21	FTNCONON_RAD.xml	FT	Not Generated	Notification Rad	Xml Need No	t Be Generated		
22	FTNPRODC_RAD.xml	FT	Not Generated	Notification Rad	Xml Need Not	t Be Generated		
23	FTPCNTRCT_RAD.xml	FT	Not Generated	Purge Rad Xml I	leed Not Be G	Generated		
24	FTRACTD_RAD.xml	FT	Generated					
25	FTRCON_RAD.xml	FT	Generated	·				Ξ
26	FTRPREMR_RAD.xml	FT	Generated	r]				
						[	Generate Cl	v

Fig 3.4.3: Message displayed in case of trying to generate files for notification screen

Note that the time taken for bulk generation of units depend on the number of files, number of units to be generated for each file, client and server machine configuration etc.

## 4. Log Files

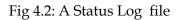
Development Workbench will generate file status log. It will be generated in the destination path.

🚞 D	:\Bull	Gener	ation	n\Con	sole							
File	Edit	View	Fav	orites	Tools	Help						<i></i>
G	) Back	- 6	) -	Ð	🔎 Si	earch 🛛 🍺 Folder	•					
Addr	ess 🗲	) D:\Bull	Genei	ration\	Console							🗸 🄁 Go
F	ile and	l Folde	r Tasl	ks	۲	iami			2	BC		
	S Pub We	ke a nev Ilish this b Ire this f	folder			Branch				CD		
	Other F				۲	р	$\leq$		22222 11 11 11	USER01_FILE_STATUS_LOG.txt Text Document 2 KB	•	
	)etails				۲	Text D	_FRONTEND	LOG.txt				
	C <b>onsol</b> File Folc					= <u>10 KB</u>						

Fig 4.1: User log files

It gives the details of all the files processed and its status as shown in the figure below

2 🖬 🎒 🖪 🖪 🗰 🐇 🖻 🛍 🗠 🥵			
FILE NAME	STATU	JS Error	Description
\Base\MAIN\AM\RADXML\AMCPRPCL RAD.xml		Successful	Generated Successfully
\Base\MAIN\AM\RADXML\AMDCAOAU RAD.xml		Successful	Generated Successfully
\Base\MAIN\AM\RADXML\AMDCAONL RAD.xml		Successful	Generated Successfully
\Base\MAIN\AM\RADXML\AMDCDEAU RAD.xml		Successful	Generated Successfully
\Base\MAIN\AM\RADXML\AMDCDEFN RAD.xml		Successful	Generated Successfully
\Base\MAIN\AM\RADXML\AMDFNOAU_RAD.xml		Successful	Generated Successfully
tal No Of Files	: 3135		
tal No Of Commented Files	: 3120		
tal No Of Successfully Generated Files	: 12		
tal No Of Failed Files	: 0		
tal No Of Notification Files	: 3		
tal No Of 10.0 Files	: 0		



D:\BulkGeneration\Console\BC									
File Edit View Favorites Tools Help									
🌀 Back 👻 🛞 👻 🏂 Search 🜔	7 Folders								
Address 🛅 D:\BulkGeneration\Console\BC					💌 🔁 Go				
Name 4	<b>▲</b>	Size	Туре	Date Modified					
File and Folder Tasks 🔕 🛅 HTML			File Folder	2/8/2012 1:55 AM					
Make a new folder			File Folder	2/8/2012 1:59 AM					
Tublick this folder to the			File Folder	2/8/2012 2:00 AM					
Web	IND_DESC_MISSING_LABELS.txt	1 KB	Text Document	9/27/2011 11:05 AM					
- Spare (b)s folder	RMNT_DESC_MISSING_LABELS.txt	1 KB	Text Document	9/27/2011 10:57 AM					
BCDIR	RONL_DESC_MISSING_LABELS.txt	1 KB	Text Document	9/27/2011 10:59 AM					
Other Places 😵									
Details 🛞									

Fig 4.3: Missing labels file

Missing label information will also be generated for each function id for which units were generated



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Oracle Financial Services Software Limited Oracle Park Off Western Express Highway Goregaon (East) Mumbai, Maharashtra 400 063 India

Worldwide Inquiries: Phone: +91 22 6718 3000 Fax:+91 22 6718 3001 www.oracle.com/financialservices/

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