Development Workbench - Bulk Generation Oracle FLEXCUBE Universal Banking

Release 14.6.0.0.0

Part No. F56608-01

[May] [2022]



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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
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### **1.2 Related Documents**

04-Development\_WorkBench\_Screen\_Development-I.docx

05-Development WorkBench Screen Development-II.docx

## 2. Introduction

This document contains:

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

### 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.

В	ulk Generation						_ × _
	Source File Lis Data XML Pat		BROWSE	Destination Path Source Files	Both	¥	
	Front-End Files	System Packages	Hook Packages	Meta Data		Others	*
	RadXML Screen Xml System JS		Kernel Package Spec     Kernel Package Body     Cluster Package Spec     Cluster Package Body     Custom Package Spec     Custom Package Body	Block Details Gatewa	K Columns n Call Forms ly Details tion Details	Upload Table Trigger	÷
	SI.No	File Name	Sub Folder	File Status		Error Description	*
							~
						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>Z:\FLEXCUBE_Kernel\FCUBS_11.4.0\MAIN\BC\RADXML\BCCTRACT_RAD.xml Z:\FLEXCUBE_Kernel\FCUBS_11.4.0\MAIN\BC\RADXML\BCCTRAFT_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\CFCTRIHG_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\SCINCHG_RAD.xml Z:\FLEXCUBE_Kernel\FCUBS_11.4.0\MAIN\BC\RADXML\SCINCHG_RAD.xml Z:\FLEXCUBE_Kernel\FCUBS_11.4.0\MAIN\BC\RADXML\SCINCHG_RAD.xml Z:\FLEXCUBE_Kernel\FCUBS_11.4.0\MAIN\BC\RADXML\SCINCHG_RAD.xml Z:\FLEXCUBE_Kernel\FCUBS_11.4.0\MAIN\BC\RADXML\SCINCHG_RAD.xml Z:\FLEXCUBE_Kernel\FCUBS_11.4.0\MAIN\BC\RADXML\SCINCHG_RAD.xml Z:\FLEXCUBE_Kernel\FCUBS_11.4.0\MAIN\BC\RADXML\SCIRDET_RAD.xml Z:\FLEXCUBE_Kernel\FCUBS_11.4.0\MAIN\BC\RADXML\SCIRDET_RAD.xml Z:\FLEXCUBE_Kernel\FCUBS_11.4.0\MAIN\BC\RADXML\SCIRDET_RAD.xml Z:\FLEXCUBE_Kernel\FCUBS_11.4.0\MAIN\BC\RADXML\SCIRDET_RAD.xml Z:\FLEXCUBE_Kernel\FCUBS_11.4.0\MAIN\BF\ANDXML\SCIRDET_RAD.xml Z:\FLEXCUBE_Kernel\FCUBS_11.4.0\MAIN\BF\ANDXML\SCIRDET_RAD.xml Z:\FLEXCUBE_Kernel\FCUBS_11.4.0\MAIN\BF\ANDXML\SCIRDET_RAD.xml Z:\FLEXCUBE_Kernel\FCUBS_11.4.0\MAIN\BF\ANDXML\SCIRDET_RAD.xml Z:\FLEXCUBE_Kernel\FCUBS_11.4.0\MAIN\BF\ANDXML\SCIRDET_RAD.xml Z:\FLEXCUBE_Kernel\FCUBS_11.4.0\MAIN\BF\ANDXML\SCIRD_RD.XML\SCIRDET_RAD.xml Z:\FLEXCUBE_KERNEl\FSUBS_11.4.0\MAIN\BF\ANDXML\SCIRD_RD.XML\SCIRD_RD.XML\SCIRDET_RAD.Xml Z:\FLEXSUBE_KENNEl\SCISS_11.4.0\MAIN\BF\ANDXML\SCIRD_RD.XML\SCIRD_RD.XML\SCIRDET_RAD.Xml Z:\FLEXSUBE_KENNEl\SCISS_11.4.0\MAIN\BF\ANDXML\SCINCH_RADXML\SCINCH_RAD.XML\SCIRD_RD.XML\SCINCH_RADXXML\SCINCH_RADXXML\SCINCH_RADXXML\SCINCH_RADXXML\SCINCH_RADXXML\SCINCH_RADXXML\SCINCH_RADXXML\SCINCH_RADXXML\SCINCH_RADXXML\SCINCH_RADXXML\SCINCH_RADXXML\SCINCH_RADXXML\SCINCH_RADXXML\SCINCH_RADXXML\SCINCH_RADXXML\SCINCH_RADXXML\SCINCH_RADXXML\SCIXCH_RADXXML\SCINCH_RADXXML\SCIXCH_RADXXML\SCIXCH_RADXXML\SCIXCH_RADXXML\SCIXCH_RADXXML\SCIXCH_RADXXML\SCIXCH_RADXXML\SCIXCH_RADXXML\SCIXCH_RADXXML\SCIXCH_RADXXML\SCIXCH_RADXXM</pre>	
	*

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\BCCOCAAU_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\BCCREGAU_RAD.xm] Z:\FLEXCUBE_Kerne]\FCUBS_11.4.0\MAIN\BC\RADXML\BCCTRACT_RAD.xm] Z:\FLEXCUBE_Kerne]\FCUBS_11.4.0\MAIN\BC\RADXML\BCCTRAFT_RAD.xm]	<u>^</u>
Z:\FLEXCUBE_Kernel\FCUBS_11.4.0\MAIN\BC\RADXML\BCCTRPF_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\CSCTRSFT_RAD.xml Z:\FLEXCUBE_Kernel\FCUBS_11.4.0\MAIN\BC\RADXML\DACTRTR_RAD.xml Z:\FLEXCUBE_Kernel\FCUBS_11.4.0\MAIN\BC\RADXML\ISCINTRT_RAD.xml Z:\FLEXCUBE_Kernel\FCUBS_11.4.0\MAIN\BC\RADXML\ISCINTRT_RAD.xml Z:\FLEXCUBE_Kernel\FCUBS_11.4.0\MAIN\BC\RADXML\ISCINTRT_RAD.xml Z:\FLEXCUBE_Kernel\FCUBS_11.4.0\MAIN\BC\RADXML\ISCTRAD.xml Z:\FLEXCUBE_Kernel\FCUBS_11.4.0\MAIN\BC\RADXML\SCTRAD.xml Z:\FLEXCUBE_Kernel\FCUBS_11.4.0\MAIN\BC\RADXML\SCTRAD.xml Z:\FLEXCUBE_Kernel\FCUBS_11.4.0\MAIN\BC\RADXML\SCTRAD.Xml 2:\FLEXCUBE_Kernel\FCUBS_11.4.0\MAIN\C\RADXML\AMDFNPRD_RAD.Xml 2:\FLEXCUBE_Kernel\FCUBS_11.4.0\MAIN\CL\RADXML\CLDINSQ'_RAD.Xml 2:\FLEXCUBE_Kernel\FCUBS_11.4.0\MAIN\CL\RADXML\CLDGLQRY_RAD.Xml 2:\FLEXCUBE_Kernel\FCUBS_11.4.0\MAIN\CL\RADXML\CLDFVQPY_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		•		
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 Gatev	PK Columns ion Call Forms vay Details	🔲 Upload Table Trigger		
		Custom Package Spec	Screen Details Notifie Amendable Details Call form Details Summary Details	cation Details ion Parameters	Upload Tables Definition     Archive Table Definition	1	
			Cummary Details				-
SI.No	File Name	Sub Folder	File Status		Error Description		*
							Ŧ
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

Information       X       Others         Error Description       Error Code       claims       Screen Himil         Call Forms       Defails       Upload Table Trigger       on Defails       Upload Tables Definition         Parameters       Archive Table Definition       Parameters       Archive Table Definition         Ok       FTDCONAU_RAD.xml       FT       Generaled       Califorms Not Available	*
5 FTDCONAU_RAD.xml FT Generaled	
	*
6 FTDCONON_RADixml FT Not Generaled Californis Not Available	
7 FTDCXFRA_RAD.xml FT Generalsd +	
8 FTDDSHED_RAD.xmi FT Generalsd -	
9 FTDMCKCH_RAD xml FT Generalsd ~	
10 FTDMT101_RAD.xml FT Generalsd -	
14 ETTINEDEL DAG vml ET Consected v	

Fig 3.4.2: After Successful generation

ulk Generat	tion							_ >
	e File List bulkgen.bt XML Path	BROWSE		Destination Path Source Files	D:\DEST Both	<b>~</b>		
Front-End	Files System Packages	Hook Packages		Meta Data		Others		*
RadXM Screen System	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	PK Columns on Call Forms ay Details ation Details	Xsds Screen Html Upload Table Trigge Upload Tables Defin Archive Table Definit	iition	*
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 Not	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	Veed Not Be G	Generated		
24	FTRACTD_RAD.xml	FT	Generated	,				
25	FTRCON_RAD.xml	FT	Generated					=
26	FTRPREMR_RAD.xml	FT	Generated					
							Generate	Close

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

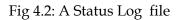
Development Workbench will generate file status log. It will be generated in the destination path.

🚞 D	:\Bull	Gener	ation	Con	sole						
File	Edit	View	Favo	rites	Tools	Help					<b>.</b>
G	) Back	- 6	-	Ð	🔎 Se	earch 🔀 Folders	•				
Addr	ess 🗲	D:\Bull	Genera	tion\(	Console						🖌 ᠫ Co
F	ile and	l Folde	r Task	5	۲	iami			BC		
	S Pub We	æ a new lish this b re this f	folder t	o the		Branch			CD		
	Other F				۲	р (	$\langle$	11 11 11 11 11 11 11 11 11	USER01_FILE_STATUS_LOG.txt Text Document 2 KB	>	
	)etails				۲	📃 🛛 Text Do	_FRONTEND_LOG.	txt			
	C <b>onsol</b> File Folc					<u></u> <u>10 кв</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

Edit View Insert Format Help			
🗲 🖬 🎒 🔖 🚜 🐰 🖻 🛍 🗠 🖳			
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.xm1		Successful	Generated Successfully
):\Base\MAIN\AM\RADXML\AMDCDEAU RAD.xm1		Successful	Generated Successfully
):\Base\MAIN\AM\RADXML\AMDCDEFN RAD.xm1		Successful	Generated Successfully
:\Base\MAIN\AM\RADXML\AMDFNOAU_RAD.xml		Successful	Generated Successfully
Total No Of Files	: 3135		
Fotal No Of Commented Files	: 3120		
Cotal No Of Successfully Generated Files	: 12		
Cotal No Of Failed Files	: 0		
Cotal No Of Notification Files	: 3		
Fotal No Of 10.0 Files	: 0		



D:\BulkGeneration\Console\BC	
File Edit View Favorites Tools Help	
🚱 Back 👻 🌍 👻 🏂 Search 🎼 Folders 🛄 •	
Address 🛅 D:\BulkGeneration\Console\BC	💌 🍉 Go
Name A	Size Type 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
Publish this folder to the	File Folder 2/8/2012 2:00 AM
Web	1 KB Text Document 9/27/2011 11:05 AM
Share this folder	1 KB Text Document 9/27/2011 10:57 AM
BCDTRONL_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



Development Workbench - Bulk Generation [May] [2022] Version 14.6.0.0.0

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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