Development Workbench - Bulk Generation Oracle Banking Corporate Lending Release 14.5.3.0.0 [Nov] [2021]



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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**

<u>04-Development WorkBench Screen Development-I.docx</u> <u>05-Development WorkBench Screen Development-II.docx</u>

# 2. Introduction

This document contains:

- <u>Chapter 2 , "Introduction"</u>
- Chapter 3 , " Bulk Generation"
- <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.

| Bulk Generation                         |   |               |                                  |  |                      | _ ×           |
|---|---|---------------|----------------------------------|--|----------------------|---------------|
| Source File Li<br>Data XML Pai          |   | BROWSE        | Destination Path<br>Source Files | Both   | Ŧ                    |               |
| Front-End Files                         | System Packages   | Hook Packages | Meta Data                        |  | Others               | *             |
| I RadXML<br>I Screen Xml<br>I System JS | Main Package Body       I         Notification Triggers       I         Upload Package Spec       I         Upload Package Body       I |               | Block Details Gatewa             | K Columns<br>n Call Forms<br>y Details<br>tion Details | Upload Table Trigger | ·             |
| SI.No                                   | File Name   | Sub Folder    | File Status                      |  | Error Description    | *             |
|   |   |               |                                  |  |                      | ~             |
|   |   |               |                                  |  | Ge                   | enerate 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_Kerne]\FCUBS_11.4.0\MAIN\BC\RADXML\BCCTRACT_RAD.xm] Z:\FLEXCUBE_Kerne]\FCUBS_11.4.0\MAIN\BC\RADXML\BCCTRFT_RAD.xm] Z:\FLEXCUBE_Kerne]\FCUBS_11.4.0\MAIN\BC\RADXML\BCCTRFT_RAD.xm] Z:\FLEXCUBE_Kerne]\FCUBS_11.4.0\MAIN\BC\RADXML\CFCTRIHG_RAD.xm] Z:\FLEXCUBE_Kerne]\FCUBS_11.4.0\MAIN\BC\RADXML\CFCTRIHG_RAD.xm] Z:\FLEXCUBE_Kerne]\FCUBS_11.4.0\MAIN\BC\RADXML\CFCTRIHG_RAD.xm] Z:\FLEXCUBE_Kerne]\FCUBS_11.4.0\MAIN\BC\RADXML\CFCTRIHG_RAD.xm] Z:\FLEXCUBE_Kerne]\FCUBS_11.4.0\MAIN\BC\RADXML\SCTRSFT_RAD.xm] Z:\FLEXCUBE_Kerne]\FCUBS_11.4.0\MAIN\BC\RADXML\SCTRSFT_RAD.xm] Z:\FLEXCUBE_Kerne]\FCUBS_11.4.0\MAIN\BC\RADXML\SCTRNTT_RAD.xm] Z:\FLEXCUBE_Kerne]\FCUBS_11.4.0\MAIN\BC\RADXML\SCTRNTIG_RAD.xm] Z:\FLEXCUBE_KERNE]\FCUBS_11.4.0\MAIN\BC\RADXML\FCTRLNK_RAD.xm] Z:\FLEXCUBE_Kerne]\FCUBS_11.4.0\MAIN\BC\RADXML\FCTCLNK_RAD.xm] Z:\FLEXCUBE_KERNE]\FCUBS_11.4.0\MAIN\BC\RADXML\CFCTR_RAD.Xm] Z:\FLEXCUBE_KERNE]\FCUBS_11.4.0\MAIN\BC\RADXML\CCCS_RAD.Xm] Z:\FLEXCUBE_KERNE]\FCUBS_11.4.0\MAIN\BC\RADXML\CCCS_RAD.Xm] Z:\FLEXCUBE_KERNE]\FCUBS_11.4.0\MAIN\BC\RADXML\CCCS_RAD.Xm] Z:\FLEXCUBE_KERNE]\FCUBS_11.4.0\MAIN\BC\RADXML\CCCL_RAD.Xm] Z:\FLEXCUBE_KERNE]\FCUBS_11.4.0\MAIN\BC\RADXML\CCCL_RAD.Xm] Z:\FLEXCUBE_KERNE]\FCUBS_11.4.0\MAIN\BC\RADXML\CCCL_RAD.Xm] Z:\FLEXCUBE_KERNE]\FCUBS_11.4.0\MAIN\BFANCH\RADXML\CCCL_RAD.Xm] Z:\FLEXCUBE_KERNE]\FCUBS_11.4.0\MAIN\BFANCH\RADXML\CCCL_RAD.Xm] Z:\FLEXCUBE_KERNE]\FCUBS_11.4.0\MAIN\BFANCH\RADXML\CCCL_RAD.Xm] Z:\FLEXCUBE_KERNE]\FCUBS_11.4.0\MAIN\BFANCH\RADXML\CCCL_RAD.Xm] Z:\FLEXCUBE_KERNE]\FCUBS_11.4.0\MAIN\BFANCH\RADXML\CCCL_RAD.Xm] Z:\FLEXCUBE_KERNE]\FCUBS_11.4.0\MAIN\BFANCH\RADXML\CCCL_RAD.Xm] Z:\FLEXCUBE_KERNE]\FCUBS_11.4.0\MAIN\BFANCH\RADXML\CCCL_RAD.Xm] Z:\FLEXCUBE_KERNE]\FCUBS_11.4.0\MAIN\BFANCH\RADXML\CCCL_RAD.Xm] Z:\FLEXCUBE_KERNE]\FCUBS_11.4.0\MAIN\BFANCH\RADXML\CCCL_RAD.Xm] Z:\FLEXCUBE_KERNE]\FCUBS_11.4.0\MAIN\BFANCH\RADXML\CCCL_RAD.Xm]</pre> |   |
| 2. (PERCODE_KEI HEI (PCODS_II.4.4 (MAIM (DI BICH (KADAME (LOCH_2_KAD, AIH  | ~ |

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]<br>Z:\FLEXCUBE_Kerne]\FCUBS_11.4.0\MAIN\BC\RADXML\BCCONOAU_RAD.xm]<br>Z:\FLEXCUBE_Kerne]\FCUBS_11.4.0\MAIN\BC\RADXML\BCCTRAT_RAD.xm]<br>Z:\FLEXCUBE_Kerne]\FCUBS_11.4.0\MAIN\BC\RADXML\BCCTRAT_RAD.xm]<br>Z:\FLEXCUBE_Kerne]\FCUBS_11.4.0\MAIN\BC\RADXML\BCCTRAT_RAD.xm]   | <u>^</u> |
| Z:\FLEXCUBE_kernel\FCUB5_11.4.0\MAIN\BC\RADXML\BCCTRPRF_RAD.xml<br>Z:\FLEXCUBE_kernel\FCUB5_11.4.0\MAIN\BC\RADXML\FCTRIHG_RAD.xml<br>Z:\FLEXCUBE_Kernel\FCUB5_11.4.0\MAIN\BC\RADXML\CSCTRSPT_RAD.xml<br>Z:\FLEXCUBE_Kernel\FCUB5_11.4.0\MAIN\BC\RADXML\DACTRTRT_RAD.xml<br>Z:\FLEXCUBE_Kernel\FCUB5_11.4.0\MAIN\BC\RADXML\JSCINCHG_RAD.xml |          |
| Z:\FLEXCUBE_Kerne]\FCUB5_11.4.0\MAIN\BC\RADXML\JSCINTRI_RAD.xm]<br>Z:\FLEXCUBE_Kerne]\FCUB5_11.4.0\MAIN\BC\RADXML\JSCTXMI5_RAD.xm]<br>Z:\FLEXCUBE_Kerne]\FCUB5_11.4.0\MAIN\BC\RADXML\TFCTRLNK_RAD.xm]<br>Z:\FLEXCUBE_Kerne]\FCUB5_11.4.0\MAIN\BC\RADXML\ADCGBRDET_RAD.xm]<br>2:\FLEXCUBE_Kerne]\FCUB5_11.4.0\MAIN\BC\RADXML\ADFNRD_RAD.xm] |          |
| Z:\FLEXCUBE_Kernel\FcUB5_11.4.0\MAIN\cL\RADXML\cLDSWMSG_RAD.xml<br>Z:\FLEXCUBE_Kernel\FcUB5_11.4.0\MAIN\cL\RADXML\cLDGLQRY_RAD.xml<br>Z:\FLEXCUBE_Kernel\FcUB5_11.4.0\MAIN\cL\RADXML\cLDGLQRY_RAD.xml<br>Z:\FLEXCUBE_Kernel\FcUB5_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**  $\rightarrow$  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<br>Data XML Pat                                   |   | BROWSE              | Destination Path<br>Source Files   | D:\DEST<br>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<br>on Call Forms<br>ay Details | 🔲 Upload Table Trigger                                |         |       |
|   |   | Custom Package Spec | Screen Details Notific Amendable Details Call form Details Summary Details | ation Details<br>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

| Dala XM   | it. Pain   |          |   | 8          | ource Flies          | Elolh                                    | ·                   |              |   |
|-----------|--|----------|---|------------|----------------------|--|---------------------|--------------|---|
| formation |  |          |   |            | ×                    |  | Others              |              |   |
|           |  |          |   |            |                      | elails<br>Columns                        | Xsds<br>Screen Himi |              |   |
|           | Error Descrip  | tion     |   | rror Code  |                      | Call Forms                               |                     |              |   |
| !         | File Saved   |          | F                                       | RD-VALS-00 | 0                    | r Delails<br>Ion Delails<br>I Paramelers | Upload Table        | s Definition |   |
|           |  |          |   |            |                      | En                                       | ror Description     |              |   |
|           |  |          |   |            | -<br>Ok              |  |                     |              | _ |
|           | FTDCONAU_RAD.xml   | FT       | Generaled                               |            | Ok                   |  |                     |              |   |
|           | FTDCONAL_RAD.xml<br>FTDCONON_RAD.xml                     | FT<br>FT | Generalad                               | × Cal      | Ok<br>Ilforms Not Av | silable                                  |                     |              |   |
|           |  |          |   | × Cal      |                      | allable                                  |                     |              |   |
|           | FTDCONON_RAD.xml   | FT       | Not Generaled                           | × Cal      |                      | aliable                                  |                     |              |   |
|           | FTDCONON_RAD.xml<br>FTDCXFRA_RAD.xml                     | FT<br>FT | Not Generaled<br>Generaled              | V Cal      |                      | aliable                                  |                     |              |   |
|           | FTDCONON_RAD.xml<br>FTDCXFRA_RAD.xml<br>FTDDSHB0_RAD.xml | FT<br>FT | Not Generaled<br>Generaled<br>Generaled | v Cal      |                      | allable                                  |                     |              |   |

Fig 3.4.2: After Successful generation

| Bulk Generat  | tion   |                  |  |  |   |  |             | _ × |
|---|--|------------------|--|--|---|--|-------------|-----|
|   | e File List bulkgen.bt<br>XML Path                   | BROWSE           |  | Destination Path<br>Source Files   | D:\DEST<br>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<br>n JS Notification Trigger | Kernel Package B | ody Datasour<br>Spec LOV Deta<br>Body Block Det<br>Spec Screen D | ce Details Block F<br>ils Functionalis Gatewa<br>etails Notifica<br>le Details Function<br>Details | 'K Columns<br>n Call Forms<br>ay Details<br>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

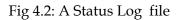
Development Workbench will generate file status log. It will be generated in the destination path.

| 🚞 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       | MA               |           |         | 2                       | BC  |   |         |
|      | S Pub<br>We                 | ke a nev<br>Ilish this<br>b<br>Ire this f | folder |         |         | Branch           |           |         |                         | CD  |   |         |
|      | Other F                     |   |        |         | ۲       | р                | $\leq$    |         | 22222<br>11<br>11<br>11 | USER01_FILE_STATUS_LOG.txt<br>Text Document<br>2 KB | • |         |
|      | )etails                     |   |        |         | ۲       | Text D           | _FRONTEND | LOG.txt |                         |   |   |         |
|      | C <b>onsol</b><br>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

| 🖆 🖬 🎒 🖪 👭 🕺 🖻 🛍 🗠 🥵                      |        |        |            |                        |       |
|--|--------|--------|------------|------------------------|-------|
| FILE NAME                                |        | STATUS |            | 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 | • • • |
| Total No Of Files                        | : 3135 |        |            |                        |       |
| Fotal No Of Commented Files              | : :    | 3120   |            |                        |       |
| Total No Of Successfully Generated Files | : :    | 12     |            |                        |       |
| Total No Of Failed Files                 | : (    | )      |            |                        |       |
| Fotal No Of Notification Files           | : :    | 3      |            |                        |       |
| Total No Of 10.0 Files                   | : (    | )      |            |                        |       |
| Fotal No Of 10.0 Files                   | : (    | 0      |            |                        |       |
|  |        |        |            |                        |       |
|  |        |        |            |                        |       |



| D:\BulkGeneration\Console\BC           |                              |      |               |                    |          |
|--|------------------------------|------|---------------|--------------------|----------|
| File Edit View Favorites Tools Help    |                              |      |               |                    | <b>N</b> |
| 🌀 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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