

BIP Report Integration
Oracle FLEXCUBE Investor Servicing
Release 12.0.4.0.0
[September] [2014]
Part No. E57474-01



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1. Preface

This document describes steps to integrate the BIP report created in BI Publisher with the FLEXCUBE IS Open Development environment.

1.1 Audience

The Report getting started book is intended for the FLEXCUBE Application Developers who perform the following tasks with BIP:

- Integrate the Report with FLEXCUBE IS function ID



This document assumes a given report RTF file and data template XML is already available.

Refer the document BIP Report Development Guide to create these files.

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

| Proficiency | Resources |
|---------------------------------------------------------------|------------------------------|
| FLEXCUBE IS Development overview | Development Overview Guide |
| Open Development tool function ID development getting started | Getting Started |
| Open Development tool screen development | Function ID Development |
| Report development introduction | Report Getting started |
| BIP Report development | BIP Report Development Guide |

1.2 Related documents

For more information on Reports development, see these resources:


- Development Overview Guide
- Report Getting started

1.3 Conventions

The following text conventions are used in this document:

Convention Meaning

| | |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| boldface | Boldface type indicates graphical user interface elements (for example, menus and menu items, buttons, tabs, dialog controls), including options that you select. |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|

| | |
|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>italic</i> | italic type indicates book titles, emphasis, or placeholder variables for which you supply particular values. |
| monospace | Monospace type indicates language and syntax elements, directory and File name, URLs, text that appears on the screen, or text that you enter. |
|  | Indicates important information |

2. Introduction

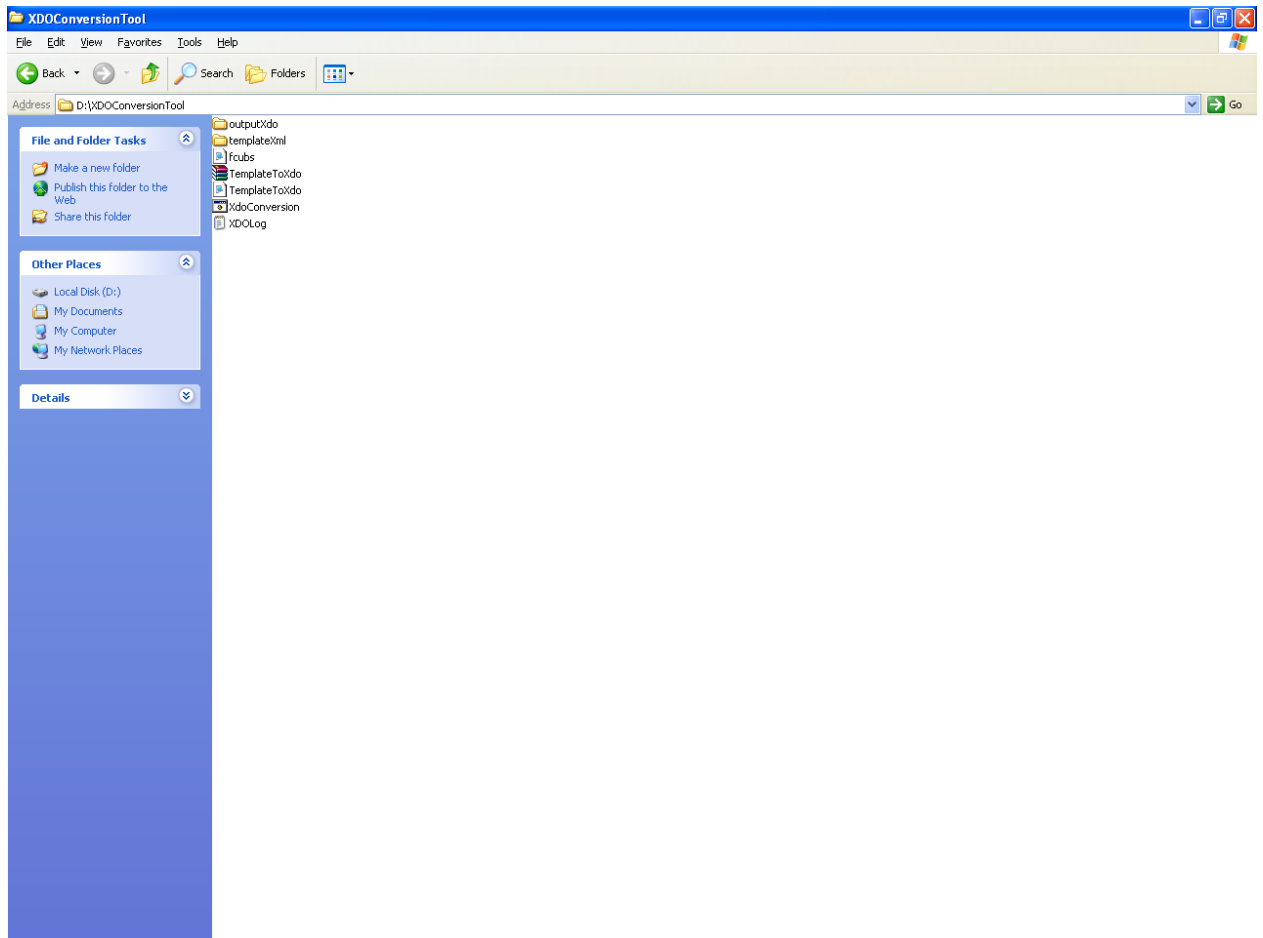
2.1 How to use this Guide

- [Chapter 2,"Introduction"](#)
- [Chapter 3,"Generation of XDO file"](#)
- [Chapter 4,"Developing Screens for Report"](#)
- [Chapter 5,"Test Report"](#)

3. Generation of XDO file

To generate the XDO file, you need XdoConversionTool. This section explains the steps to create the XDO file from the existing data template XML file

- XdoConversionTool setup look like below



- Edit Primary parameters in TemplateToXdo.properties file.

TEMPLATE_XML_PATH is the path where template xml file created is placed.

OUTPUT_PATH is where the XDO will be generated.

PRIMARY

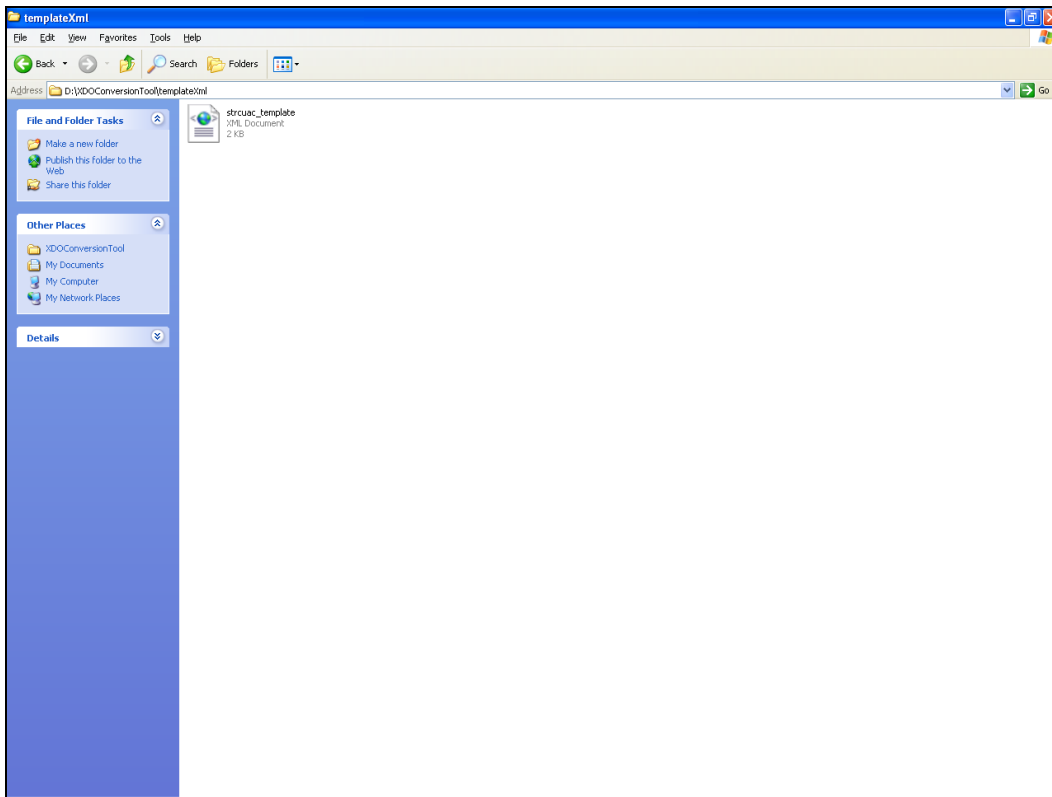
TEMPLATE_XML_PATH = D:\XdoConversionTool\templatexml

OUTPUT_PATH = D:\XdoConversionTool\xdo

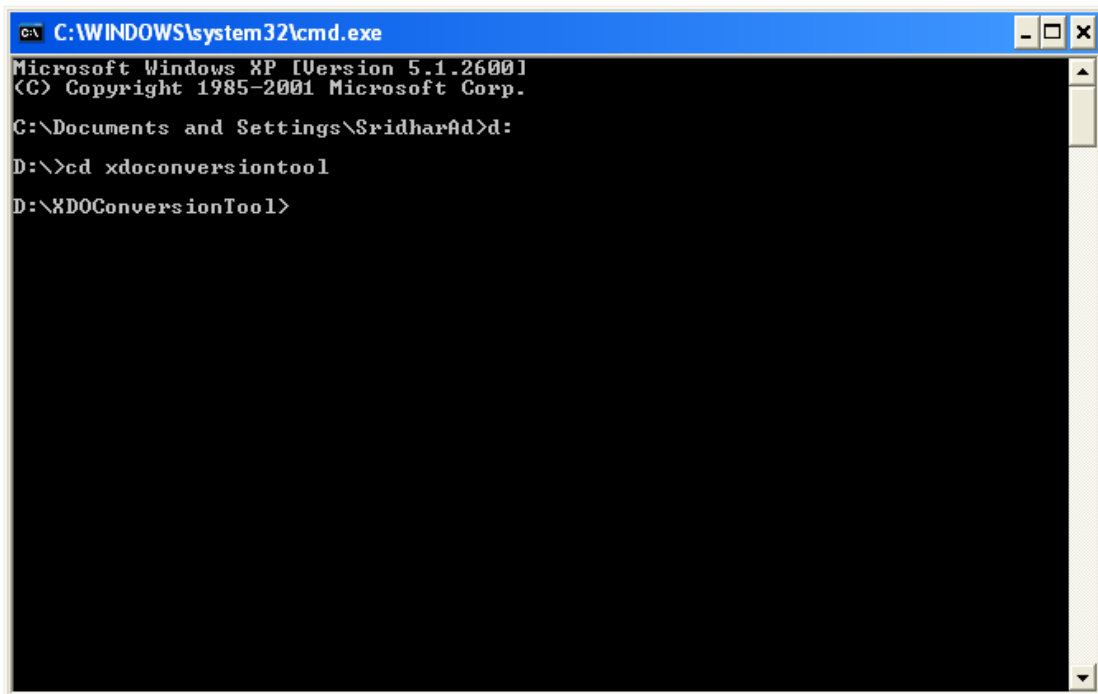
DEFAULT_DATA_SOURCE = FCI5dev

TEMPLATE_LABEL = General

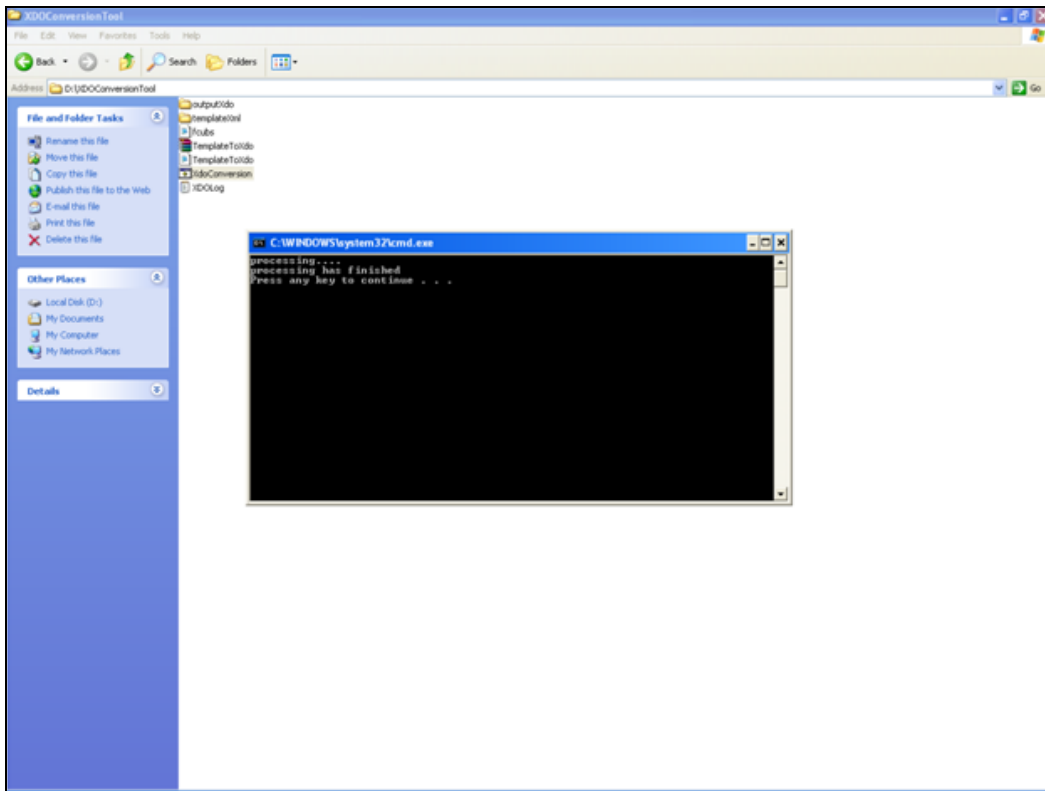
- Copy your data template xml to path mention in TEMPLATE_XML_PATH.



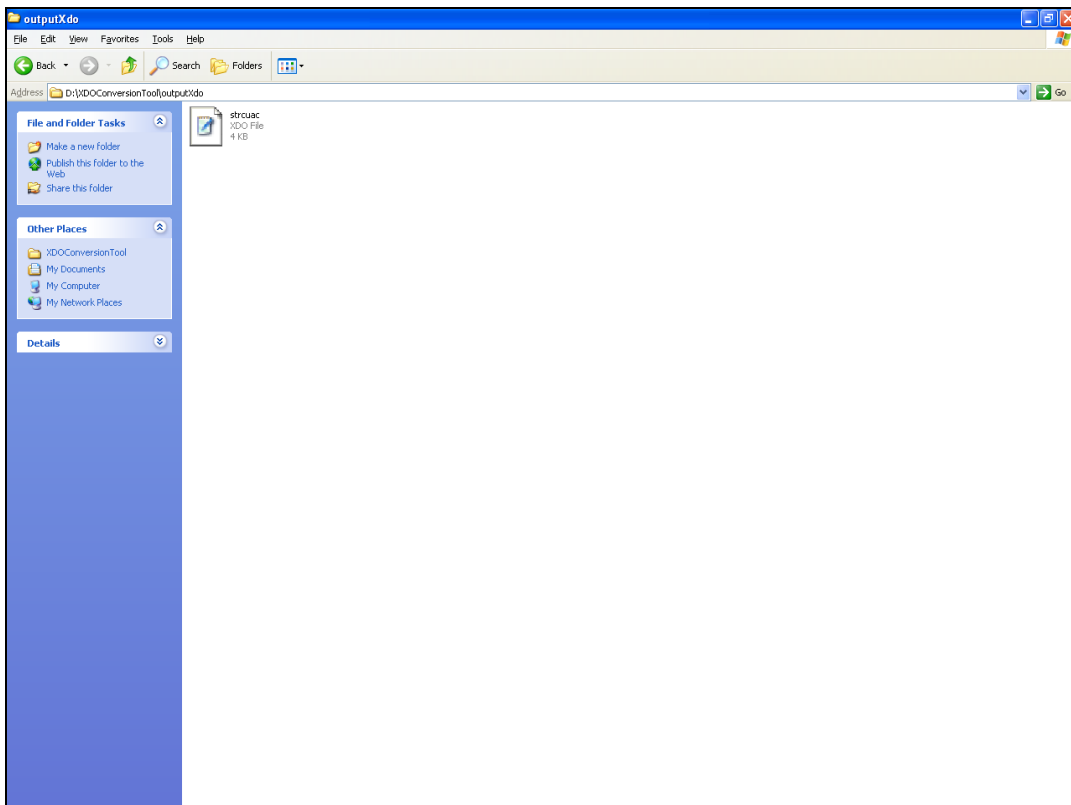
- Navigate to XDO tool conversion home directory in command prompt



- Run XdoConversion.bat



- XDO will be created at OUTPUT_PATH



4. Developing screens for Report

This section explains the step to create the Open Development Report type function ID that integrates the given RTF and XDO file with FLEXCUBE IS screens.

4.1 Report Screens Design

- Select function category as report

The screenshot shows the Oracle Flexcube Management and Integration Console. The main window is titled "Function Generation" and contains the following fields and sections:

- Action:** New
- Function Type:** Parent
- Function Category:** Report
- Function ID:** STRCUAC
- Parent Function:** (empty)
- Header Template:** None
- Save XML Path:** D:\WORK
- Parent XML:** (empty)
- Footer Template:** None

The **Preferences** section includes the following options:

- Head Office Function
- Auto End Of Day Aware
- Logging Required
- Auto Authorization
- Tank Modifications
- Field Log Required

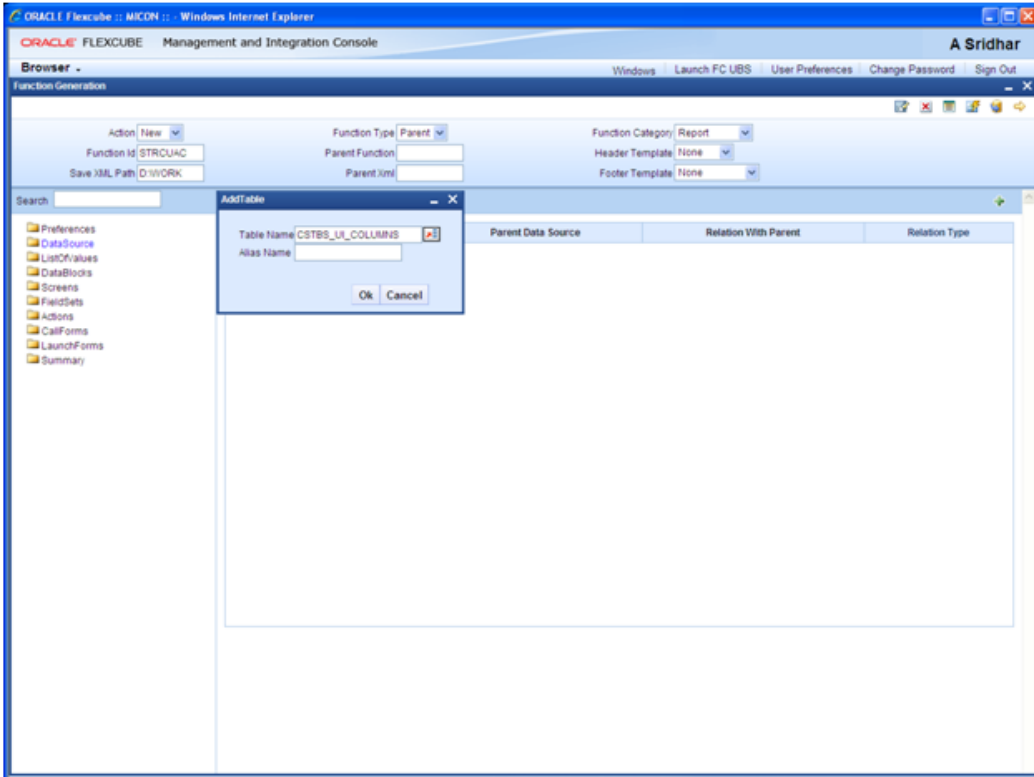
The **Module** section includes the following fields:

- Module:** ST
- Module Description:** Static Maintenance
- Branch Program Id:** (empty)
- Process Code:** (empty)
- ClearCase Folder:** (empty)

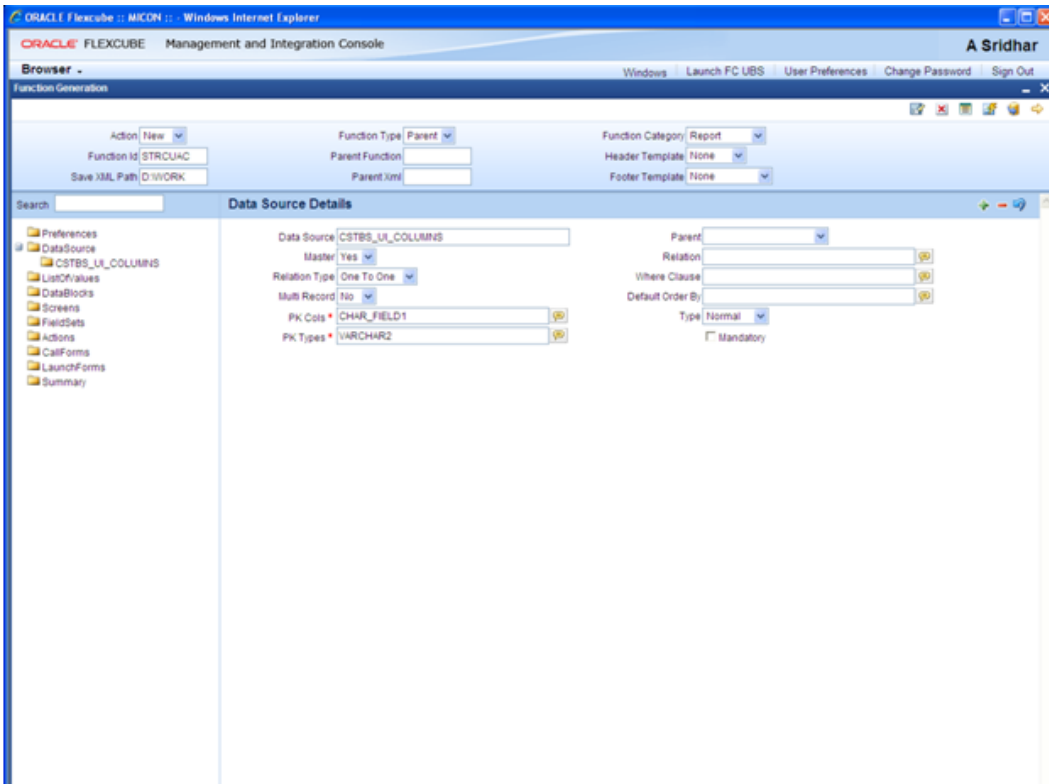
The **Control String** section includes the following table:

| FunctionID | Module * | Module Desc |
|----------------------------------|----------|--------------------|
| <input type="checkbox"/> STRCUAC | ST | Static Maintenance |

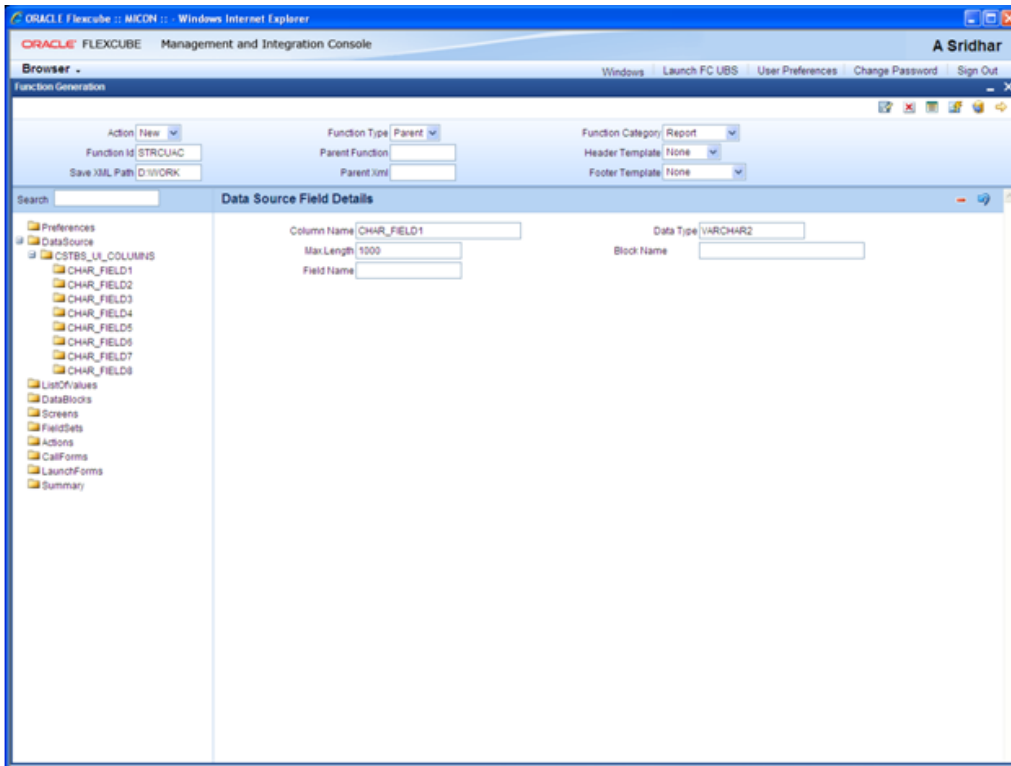
- Select table name as CSTBS_UI_COLUMNS



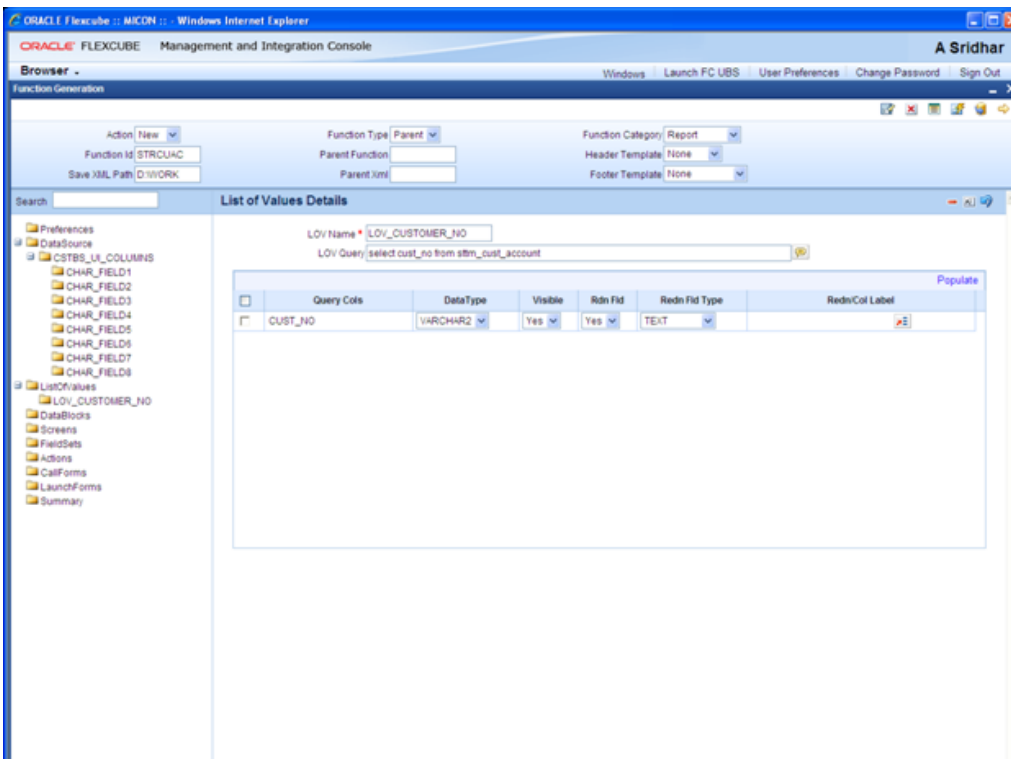
- Select master data source as 'yes' and fill PK cols and PK Types



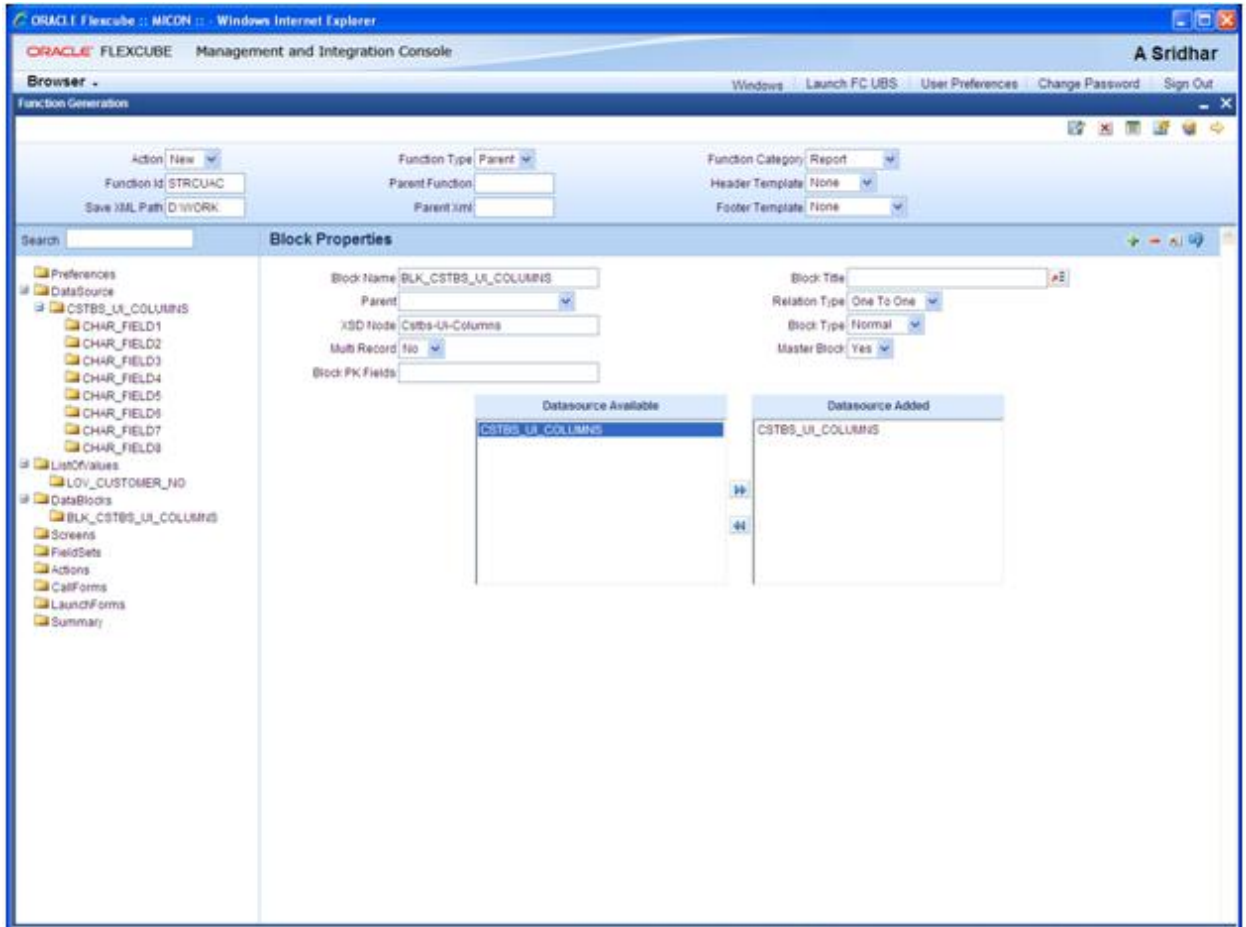
- Add data columns for data source



- Enter query in LOV Query and click on populate



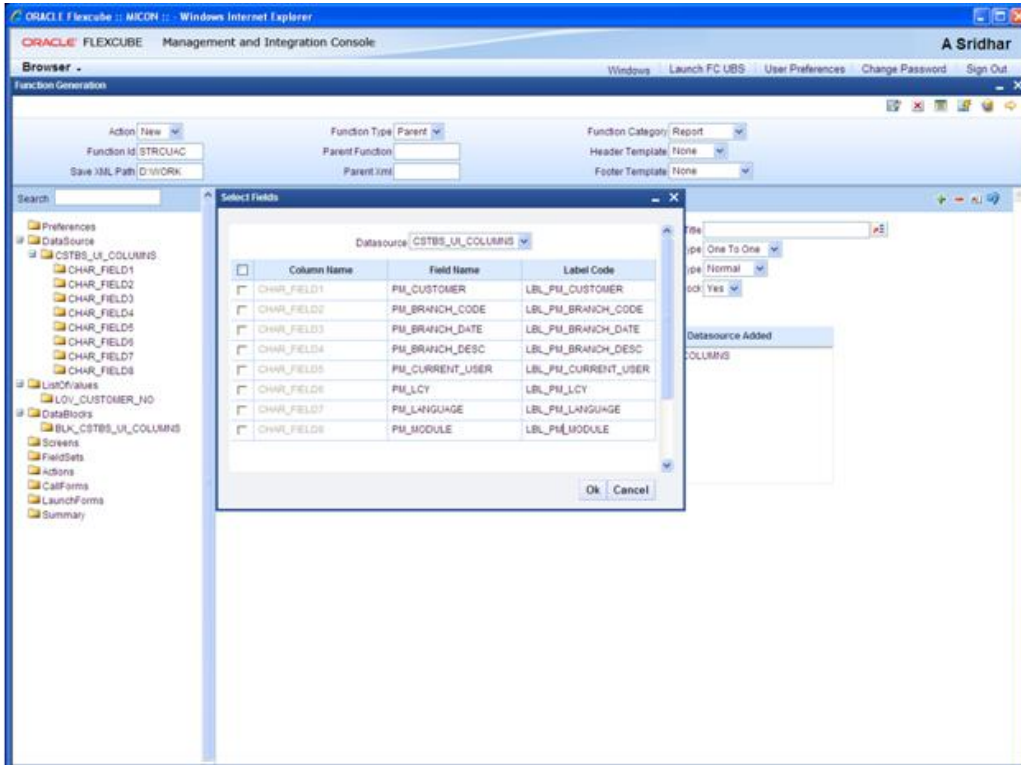
- Select master block as 'yes'



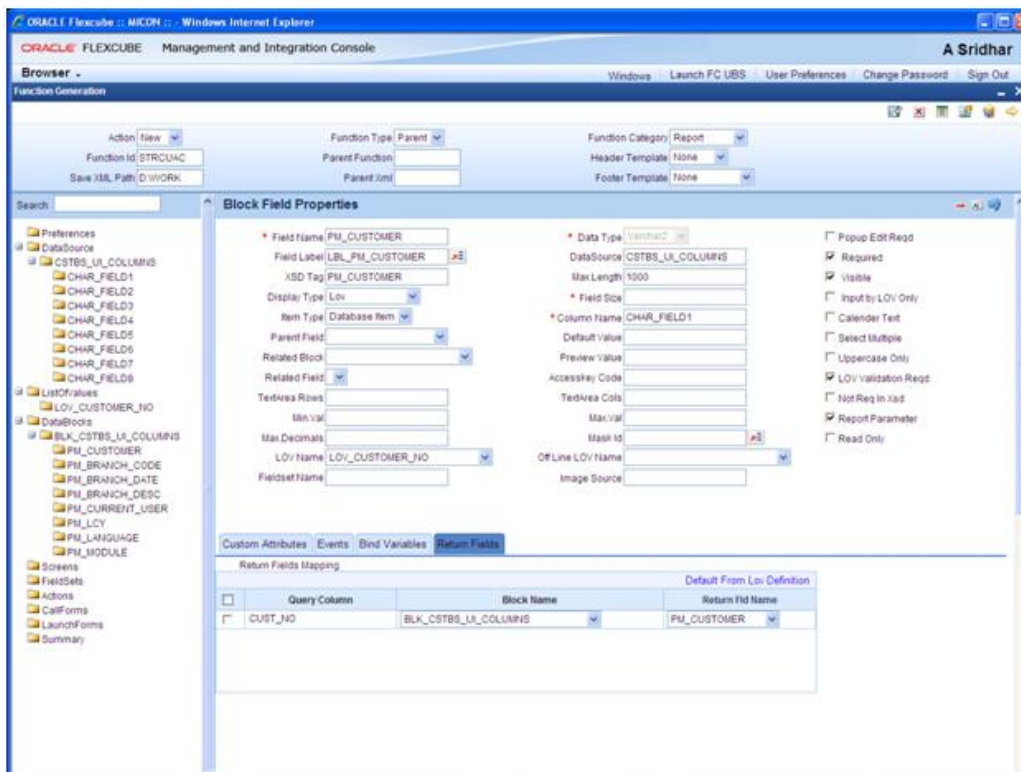
The table *CSTB_UI_COLUMNS* is used for report screen design. Columns can be selected from this table depending on the number and data types of "parameters" required for report generation.

Typically, in report screens there are many fields and some of them are required for pre processing and some parameters should be to send to BIP server for report generation. A new attribute "Report parameter" would be added to "Block Field Attributes" screen and this can be checked only for the fields which should be sent to BIP server. The report parameter name and the Block Field name should be same so that the parameters can be sent to BIP server automatically by FCIS Infrastructure.

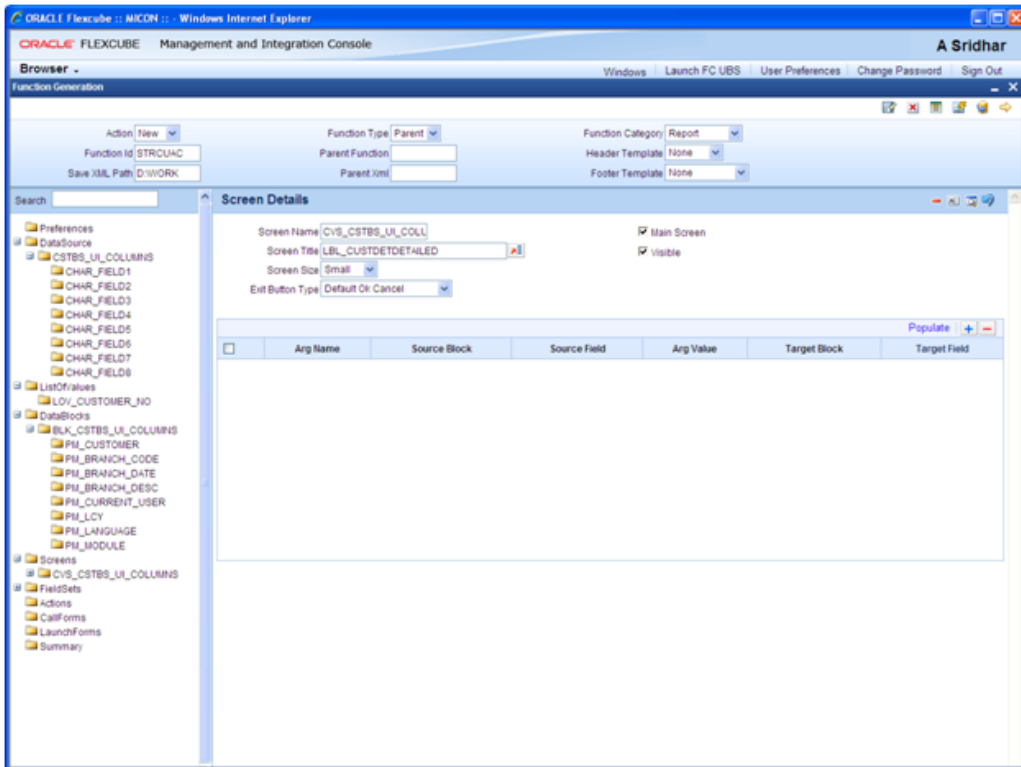
- Add Block fields by right clicking on block and give the field names



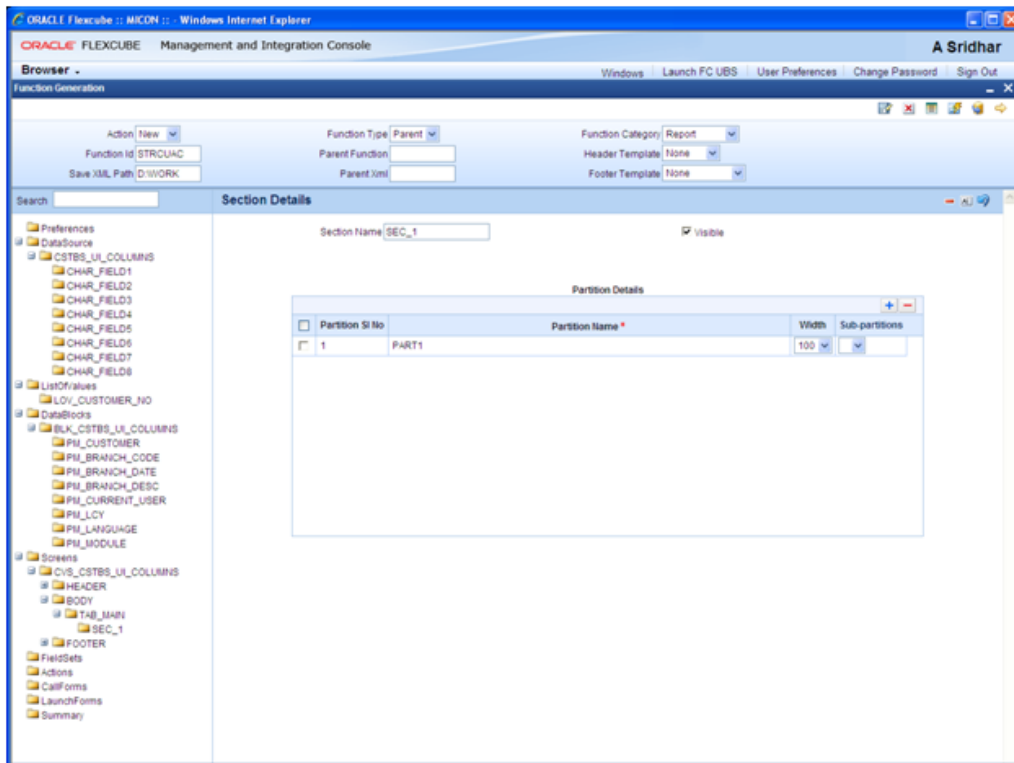
- Specify field properties



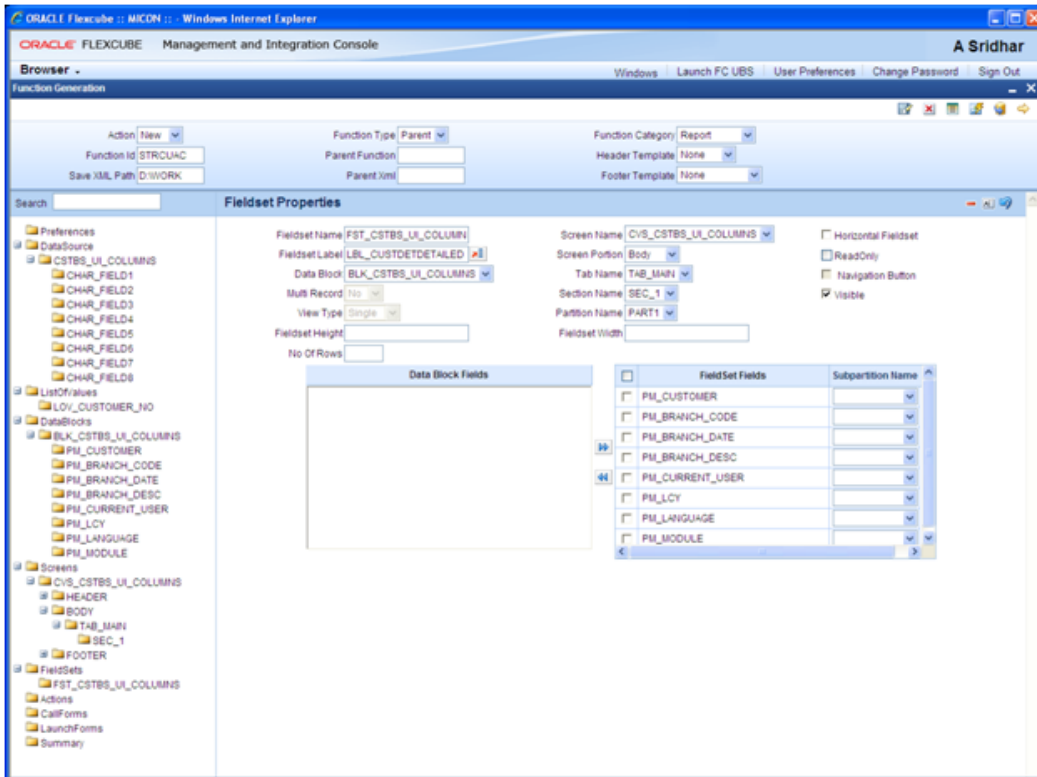
- Select main screen checkbox and screen size as small



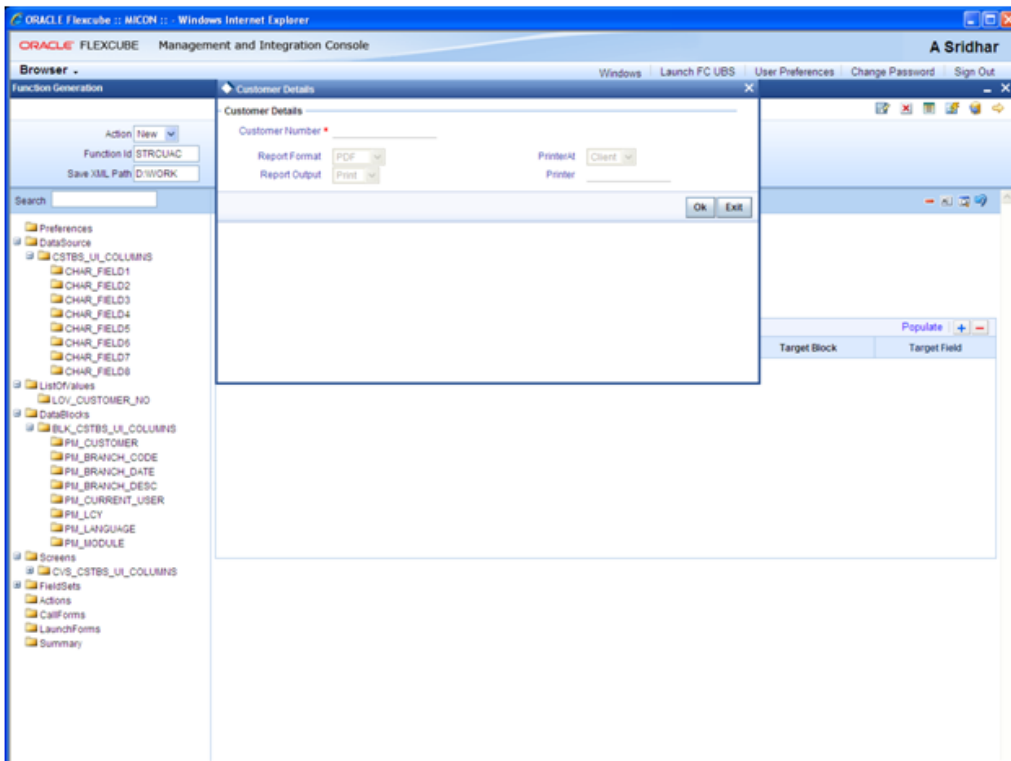
- Specify the partition details



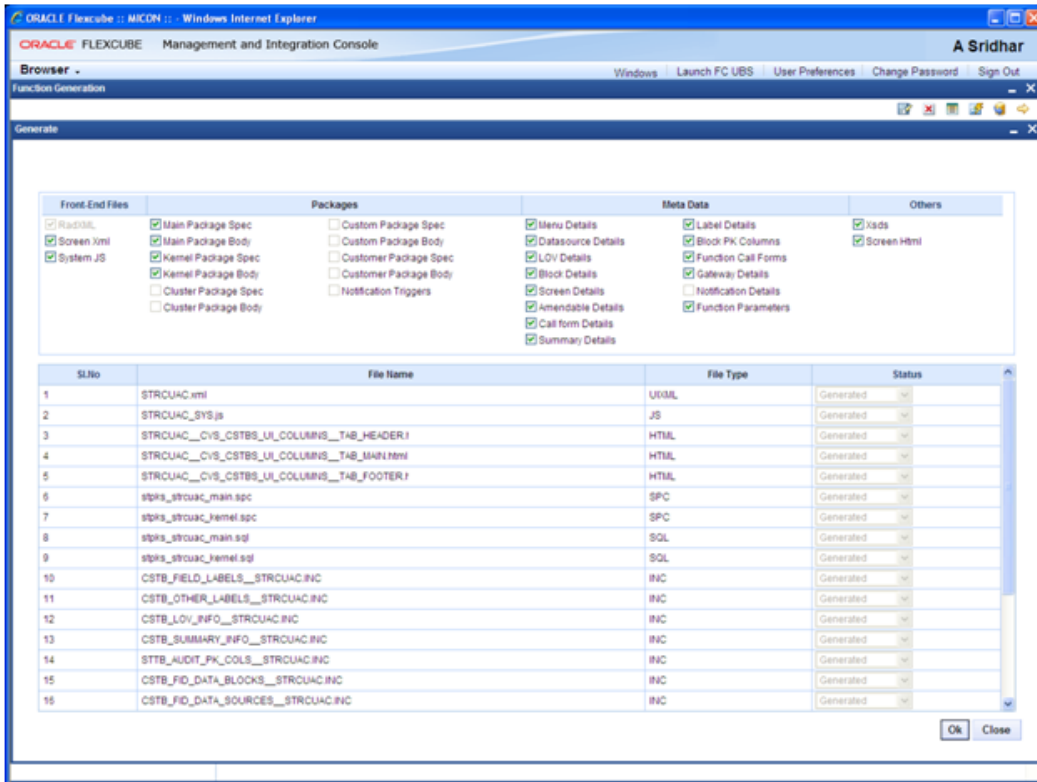
- Specify field set properties



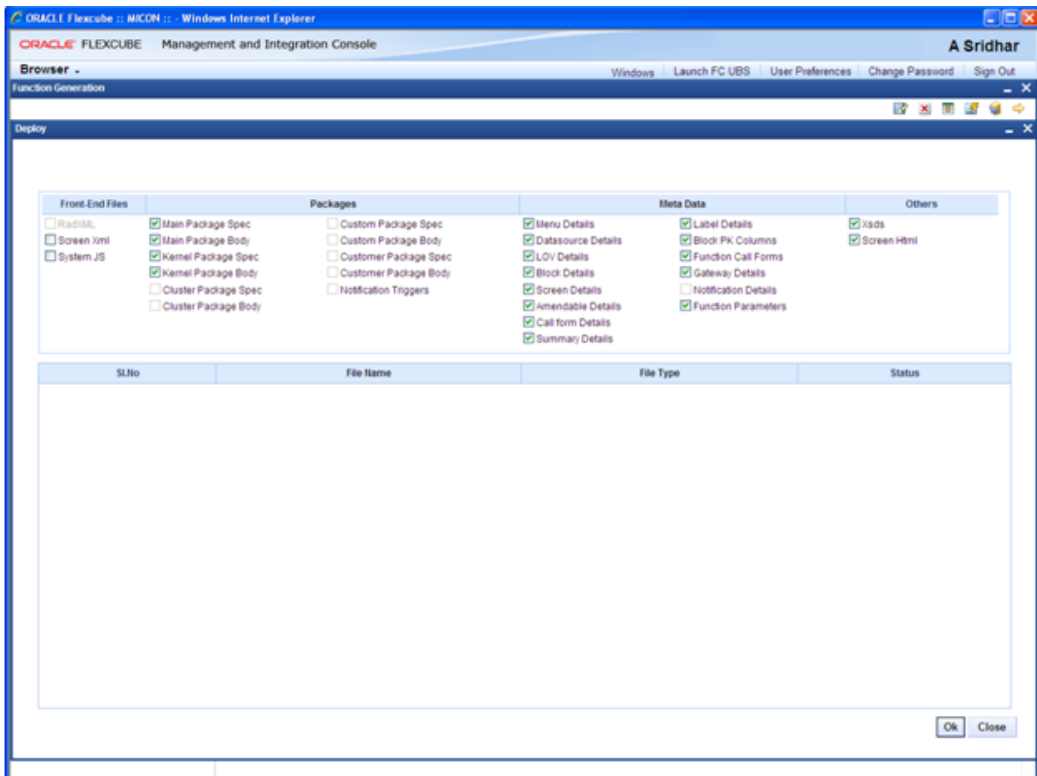
- Preview the screen



- Save and Generate the files



- Deploy the files



- Deploy the generated UIXML and JS file in the server.

4.1.1 Static Data Change for Reports Functions

- The function ID for all reports will now have third character as 'R'
- The type string for report function ID in SMTB_MENU will be 'R'
- The routing type for report function ID in SMTB_MENU will be 'R'

4.2 Copy files to BIP server

- Copy XDO's and RTF files at the BIP server



BIP Server properties needs to be configured in FCUBS INFRA properties file as below

```

D:\MyWorkPlace\Installer_DEPDI_2504\fcubs.properties - Notepad++
fcubs.properties
217 NOTIFY_MDB_JMS_Q_DELIVERY_OPT      =-2
218 NOTIFY_MDB_JMS_Q_TIME_TO_LIVE     =-0
219 NOTIFY_MDB_JMS_Q_PRIORITY         =-7
220
221 #NOTIFY_MDB_JMS_DEST_Q_ICF          =null
222 #NOTIFY_MDB_JMS_DEST_Q_PROVIDER_URL =null
223 #NOTIFY_MDB_JMS_DEST_Q_SECURITY_PRINCIPAL =null
224 #NOTIFY_MDB_JMS_DEST_Q_SECURITY_CREDENTIALS =null
225 NOTIFY_MDB_JMS_DEST_TCF            =-NotifyTCF
226 NOTIFY_MDB_JMS_DEST_TOPIC_NAME     =-NOTIFY_DEST_TOPIC
227
228 # properties moved from GateWay Properties ends
229
230
231 APPLICATION_TITLE                   =-FLEXCUBE UBS Version 11.3.0.0.0.0.0.0
232 APPLICATION_COPYRIGHTS              =-Copyright © 2011, Oracle and/or its affiliates. All rights reserved.
233 # FCJ: BODYLogin, FCIS: BODYFCISLogin, FGL: BODYFGLLogin
234 APPLICATION_IMAGE                   =-BODYlogin
235
236
237
238 #####10.4 Changes: BIP SERVER PROPERTIES#####
239 REPORTS_ENABLED                      =Y
240 BIP_END_POINT                        =http://10.194.74.165:9704/xmlpserver/services/PublicReportService_v11
241 BIP_NAME_SPACE                       =https://xmlns.oracle.com/oxp/service/PublicReportService
242 BIP_USERNAME                         =+9e04zq+1/lorG4XTbwUfv==
243 BIP_PASSWORD                         =+9e04zq+1/lorG4XTbwUfv==
244 BIP_REPORT_FOLDER                   =-FCReports
245 BIP_ADVISE_FOLDER                   =-FCReports/Adv/
246 BIP_ADV_SPOOL_PATH                  =-/oraInt1/appsvcs/fcubs_logs/fcubs113/BrnDbgs/ADV/
247 BRANCH_ADV_TYPE                     =-NATIVE
248
249
250 #EMS PROPERTIES
251 EMS_EXT_QCF                          =-EmsQcf
252 EMS_INT_QCF                          =-EmsQcf
253 EMS_OUT_JMS_DLQ                     =-NOTIFY_QUEUE_DLQ
254 EMS_IN_JMS_DLQ                      =-NOTIFY_QUEUE_DLQ
255 EMS_IN_BKUP_QUEUE                   =-
256 EMS_INIT_CTX_FACT                   =-weblogic.jndi.WLInitialContextFactory
257 EMS_PVDR_URL                        =-t3://127.0.0.1:7001
258 EMS_QUEUE_PRINCIPAL                 =-
259 EMS_QUEUE_CREDENTIALS               =-2fb0x660Sug=
260 EMS_FILE_TRANSFER_MODE              =-FTP
  
```

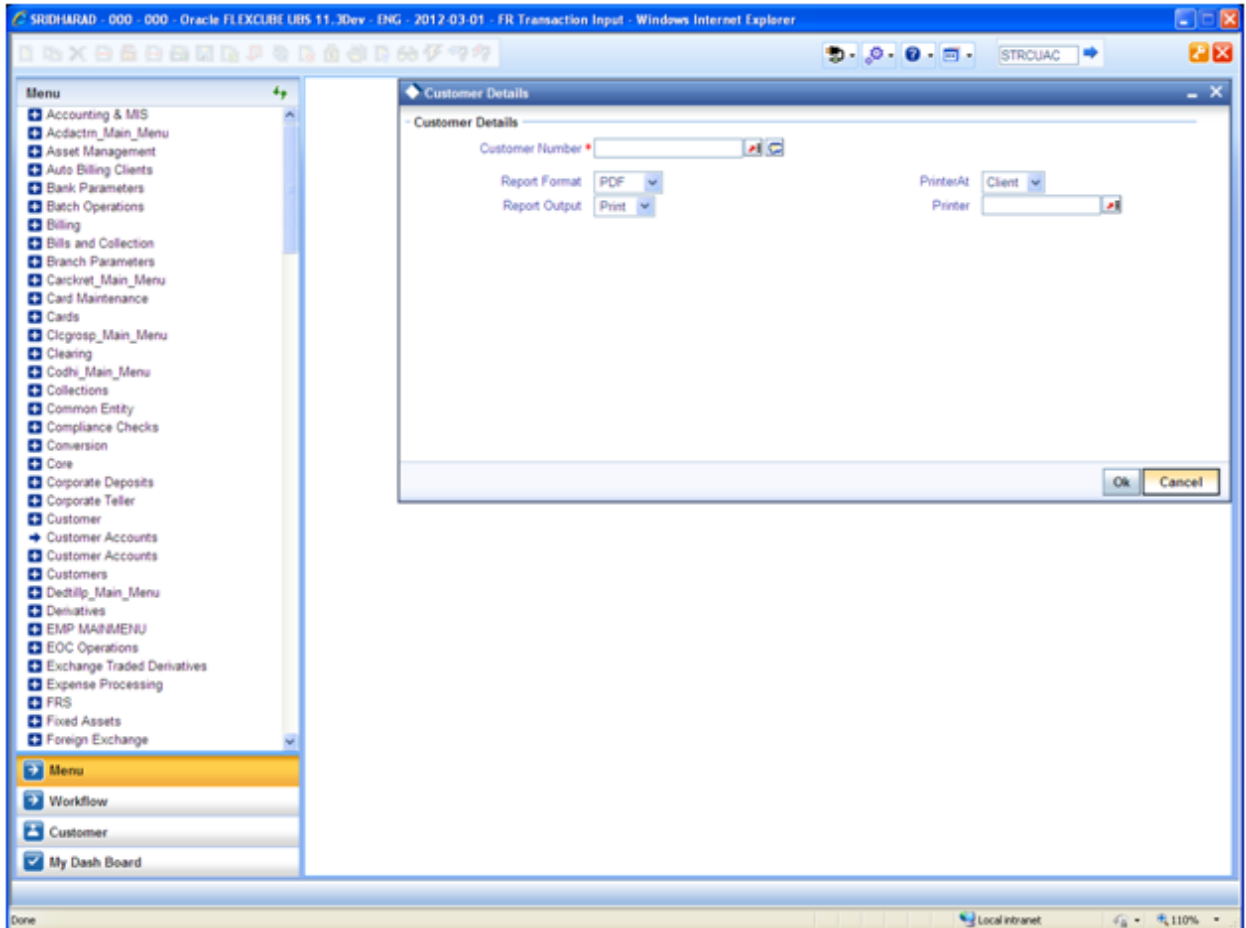
4.2.1 Declaration of parameters in spec of the package

```

PM_BRANCH_CODE      VARCHAR2(3);
PM_BRANCH_DATE      VARCHAR2(11);
PM_BRANCH_DESC      VARCHAR2(35);
PM_CURRENT_USER     VARCHAR2(11);
PM_LCY              VARCHAR2(3);
PM_LANGUAGE         VARCHAR2(3);
PM_MODULE           VARCHAR2(2);
PRM_AEOD_KEY       VARCHAR2(30);
PM_SYSTIME         VARCHAR2(11);
PM_DATE_TIME       VARCHAR2(32767);
PM_CUSTOMER        VARCHAR2(20);
  
```

5. Test report

- Launch the Target FLEXCUBE URL
- Select the Report function ID that is developed

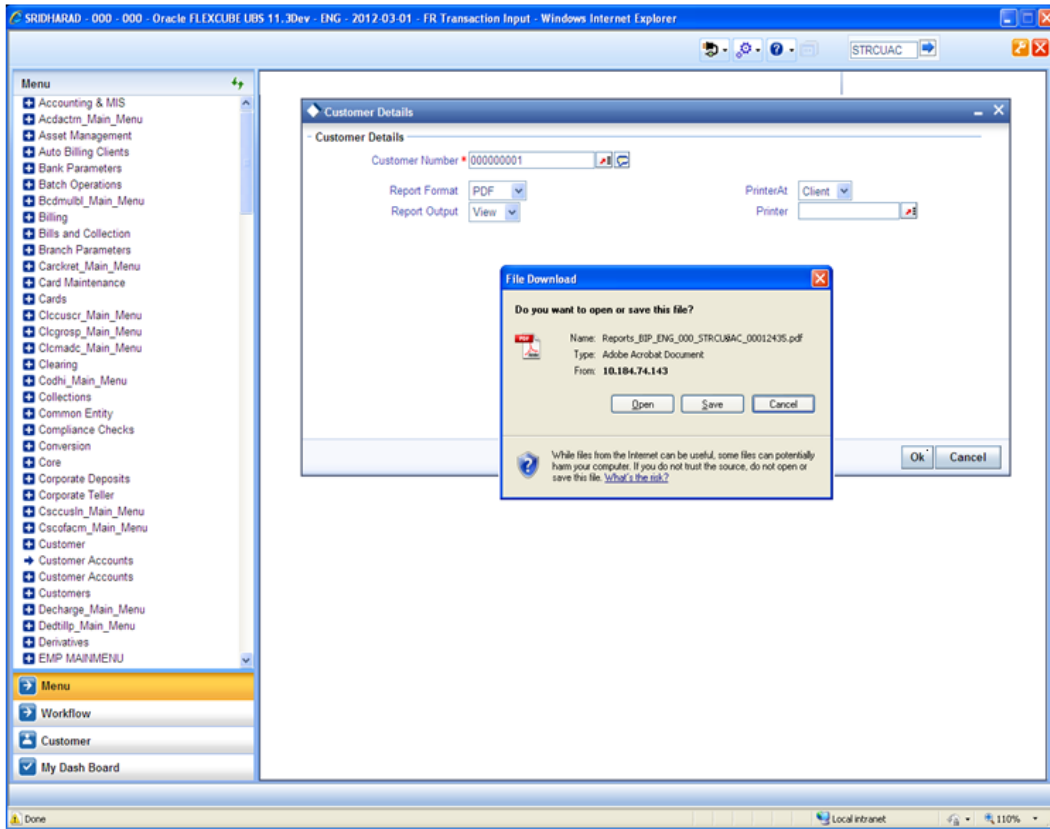


- Open Development Tool would automatically add the Report Options for all report screens

These report options are

- Report Format
- Report Output (Print, Spool, View)
- Print At (Client/Server)
- Printer ID

The report screen after data entry would call FCUBS back end for any pre processing and upon receiving successful response from pre processing, request would be sent to BIP server for report generation.



- View report

Reports_BIP_ENG_000_STRCUAC_00012436[1].pdf - Adobe Reader

File Edit View Document Tools Window Help

2 / 3 93.3%

Find

Customer Accounts

| | | | | | |
|---------|-----------|-------------|----------------------|--------|----|
| Branch | 000 | Branch Date | 01-MAR-2012 | Page | 2 |
| User Id | SRIDHARAD | Date & Time | 26-APR-2011 09:25:15 | Module | ST |

| CUST_NO | CUST_AC_NO | ACY_AVL_BAL |
|----------|----------------|-------------|
| 00000001 | 0000000101 | 0 |
| 00000001 | 0000000102 | 0 |
| 00000001 | 0000000103 | 0 |
| 00000001 | 0000000104 | 0 |
| 00000001 | ACH00000103 | 0 |
| 00000001 | 0000000121 | 0 |
| 00000001 | 0000000120 | 0 |
| 00000001 | INT00000102 | 0 |
| 00000001 | 0000000143 | 0 |
| 00000001 | 0000000154 | 0 |
| 00000001 | 066ACC00000111 | 0 |
| 00000001 | 0000000153 | 0 |
| 00000001 | 0000000173 | 0 |
| 00000001 | 0000000174 | 0 |
| 00000001 | 0661200000012 | 0 |
| 00000001 | 0000000179 | -100 |
| 00000001 | 0000000145 | 0 |
| 00000001 | 0000000175 | 0 |
| 00000001 | 066ACC0000014 | 0 |
| 00000001 | 066ACC0000015 | 0 |
| 00000001 | 00100000122 | 0 |
| 00000001 | 03800000105 | 0 |
| 00000001 | 0000000144 | -100 |
| 00000001 | 0000000177 | 0 |
| 00000001 | 0000000178 | 0 |
| 00000001 | 0661200000011 | 0 |
| 00000001 | 0000000118 | 0 |
| 00000001 | 0000000119 | 0 |



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