BIP Report Integration
Oracle FLEXCUBE Investor Servicing
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ORACLE
FINANCIAL SERVICES

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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.

italic	italic type indicates book titles, emphasis, or placeholder variables forwhich 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

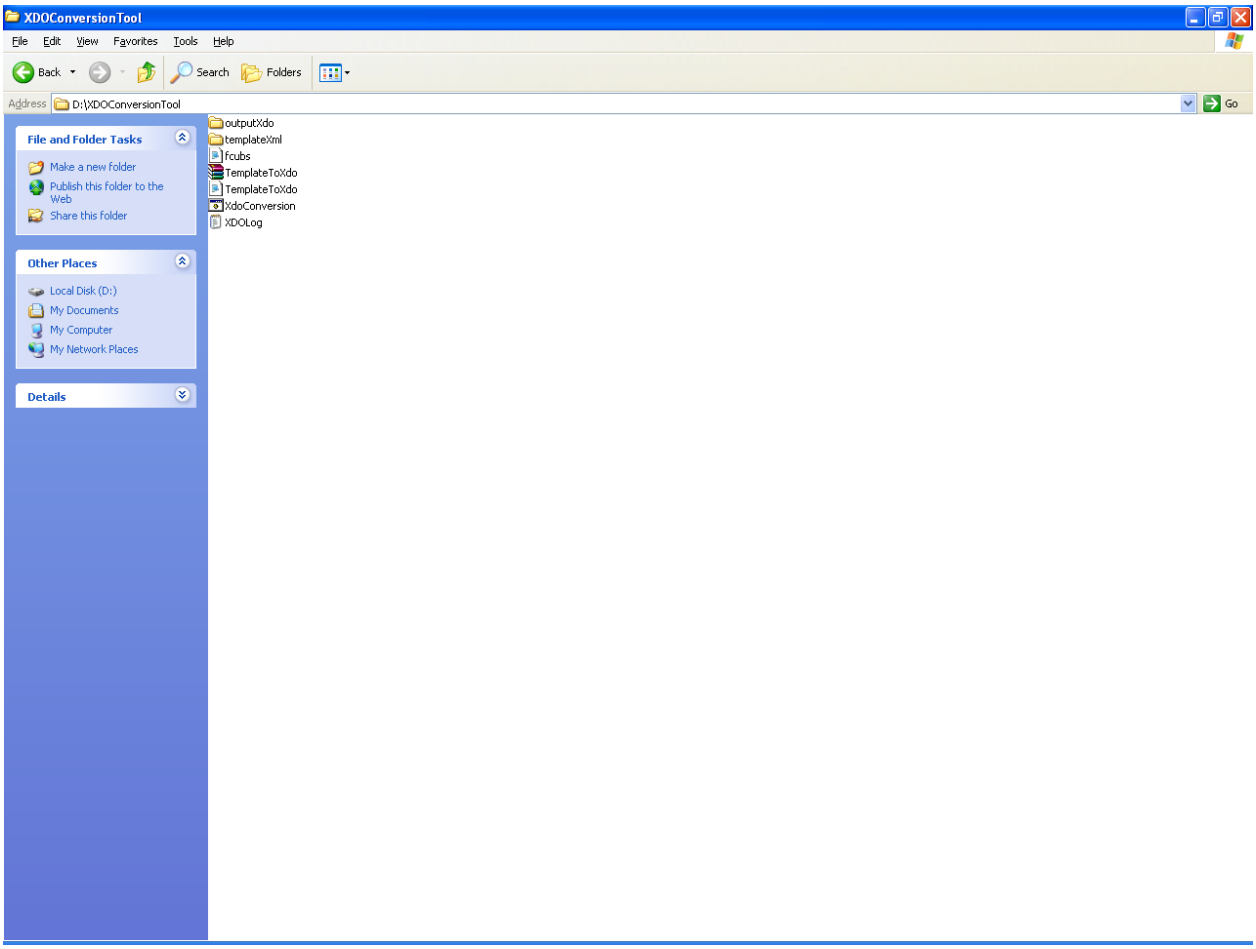
2.1 How to use this Guide

- 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

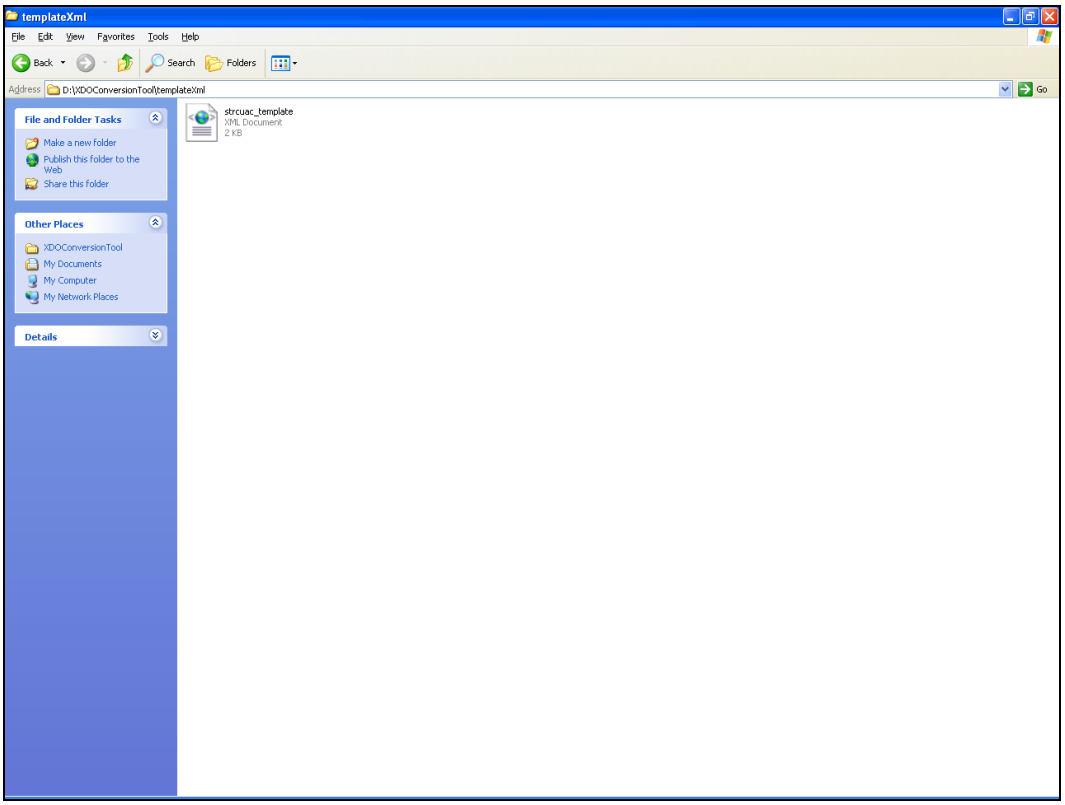
TEMPLATE_XML_PATH = D:\\XdoConversionTool\\templatexml

OUTPUT_PATH = D:\\XdoConversionTool\\xdo

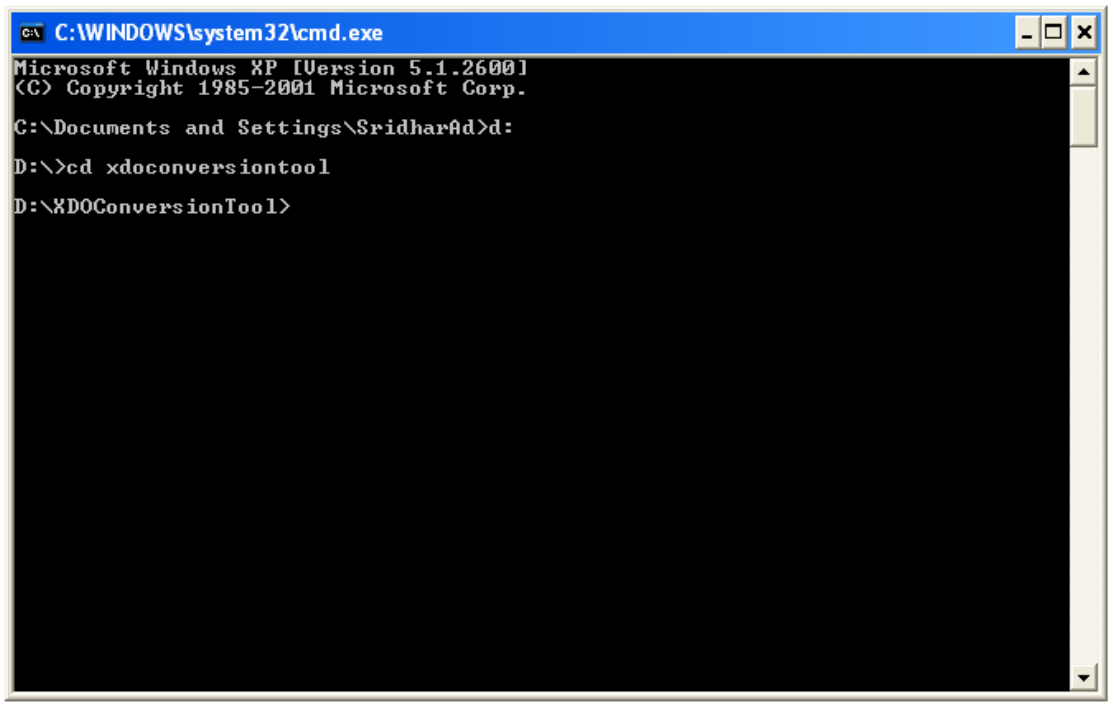
DEFAULT_DATA_SOURCE = FCI5dev

TEMPLATE_LABEL = General

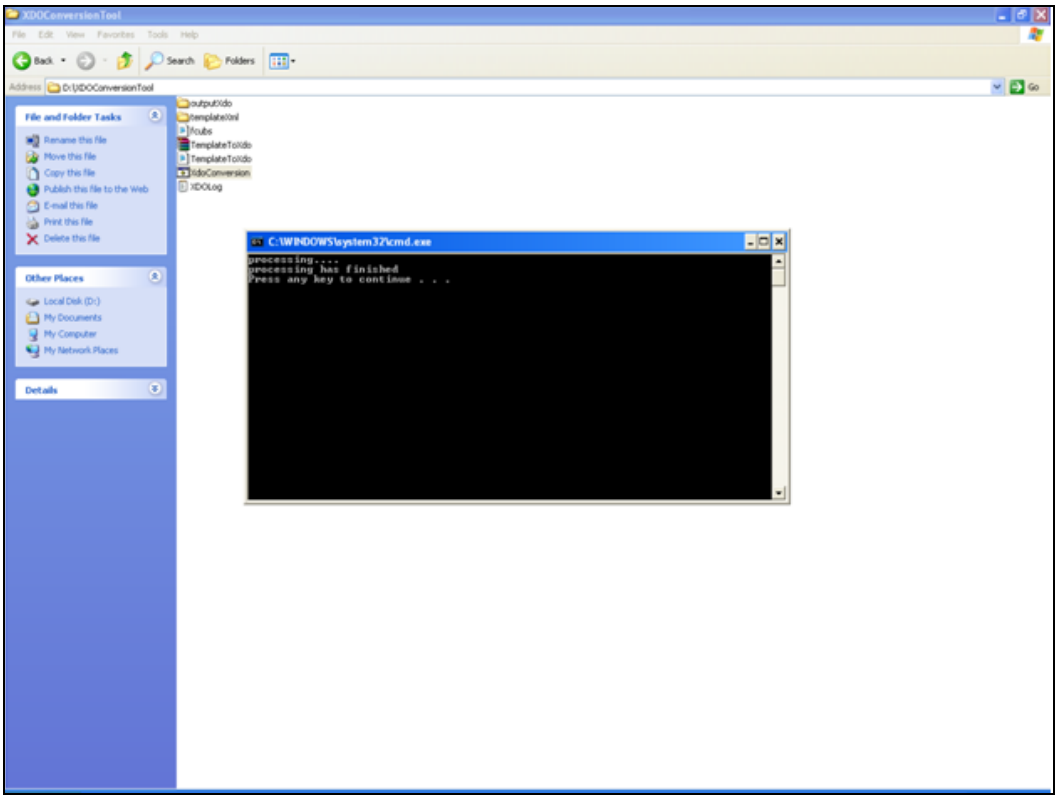
- Copy your data template xml to path mention in TEMPLATE_XML_PATH.



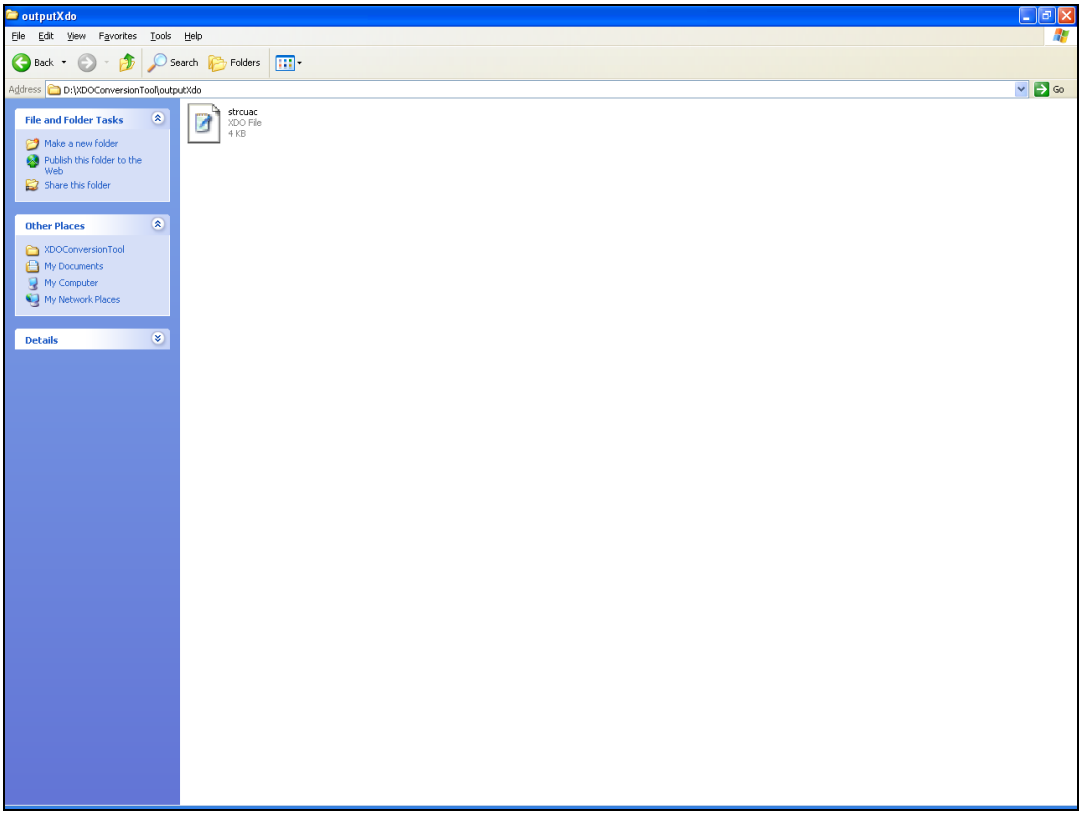
- Navigate to XDO tool conversion home directory in command prompt



- Run XdoConversion.bat



- XDO will be created at OUTPUT_PATH

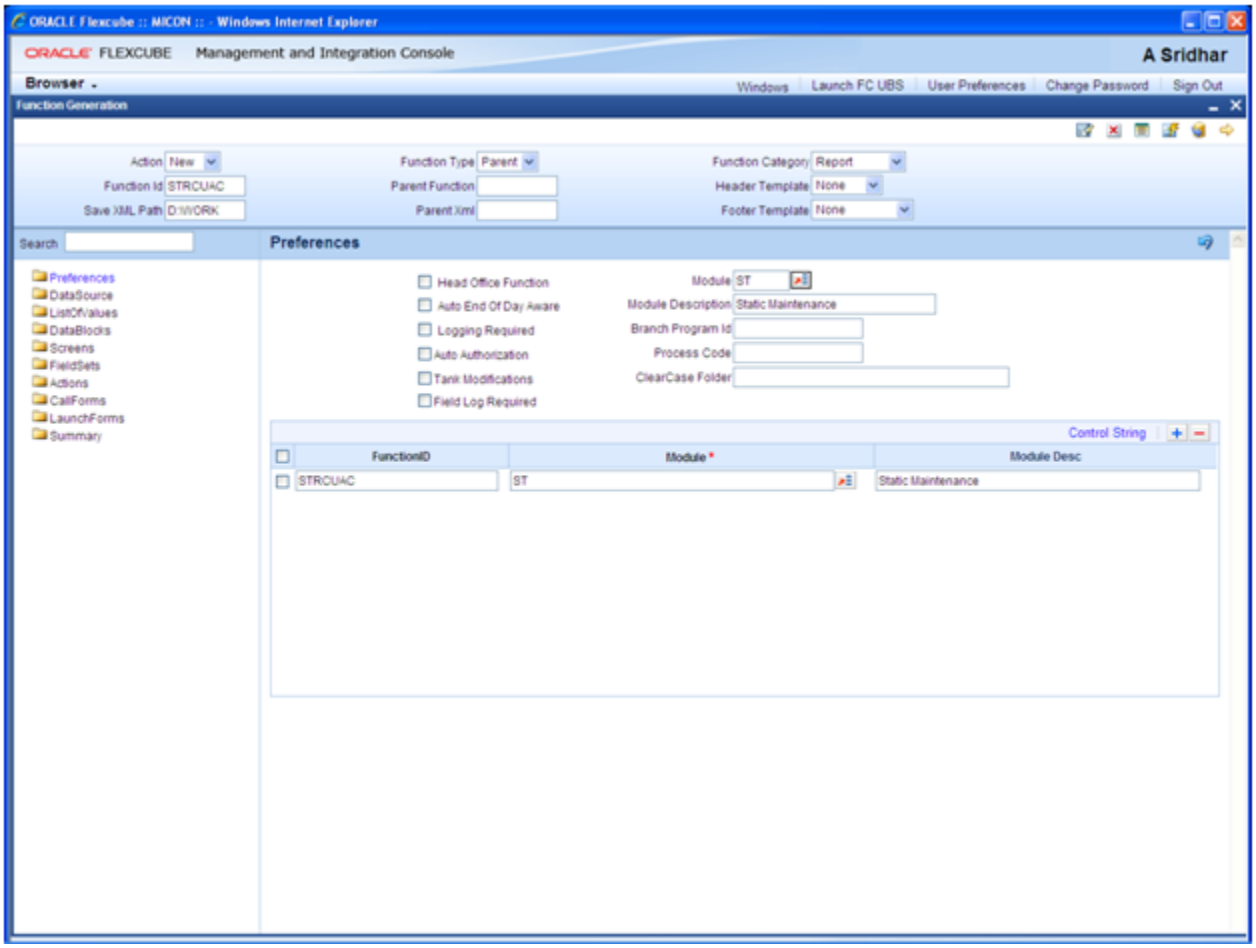


4. Developing screens for Report

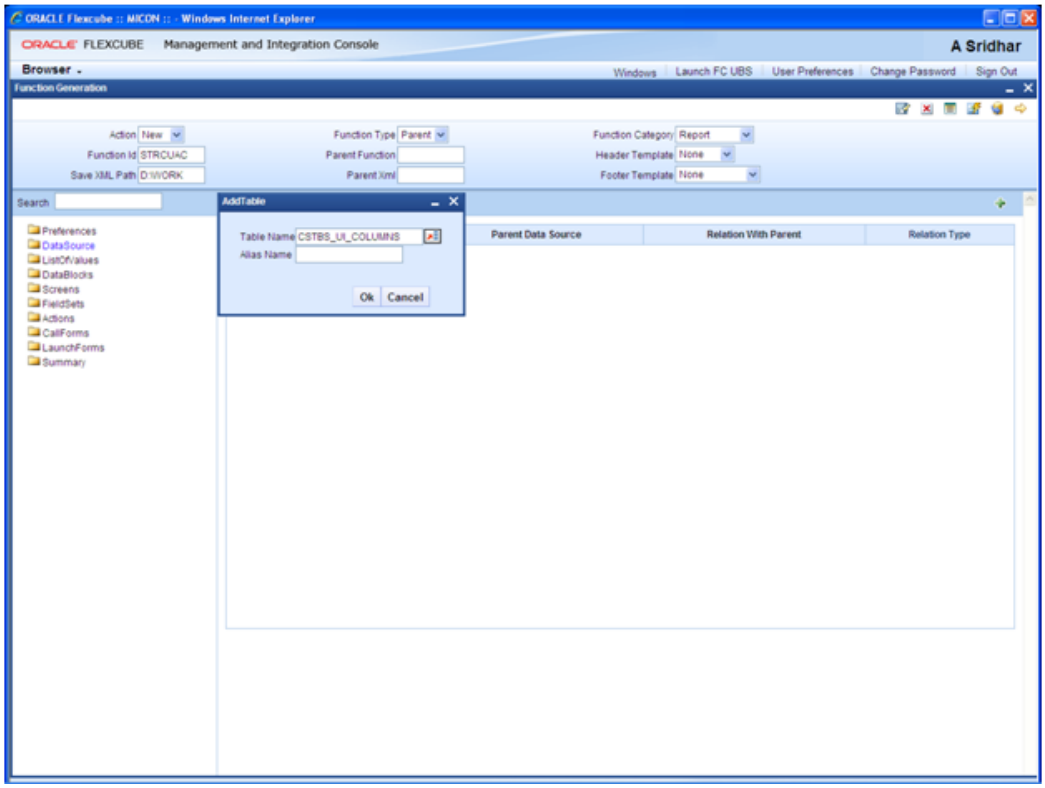
This section explains the step to create the Open Development Report type function ID that integrates the given RTF and XDO file with FLEXCUBE IS screens.

4.1 Report Screens Design

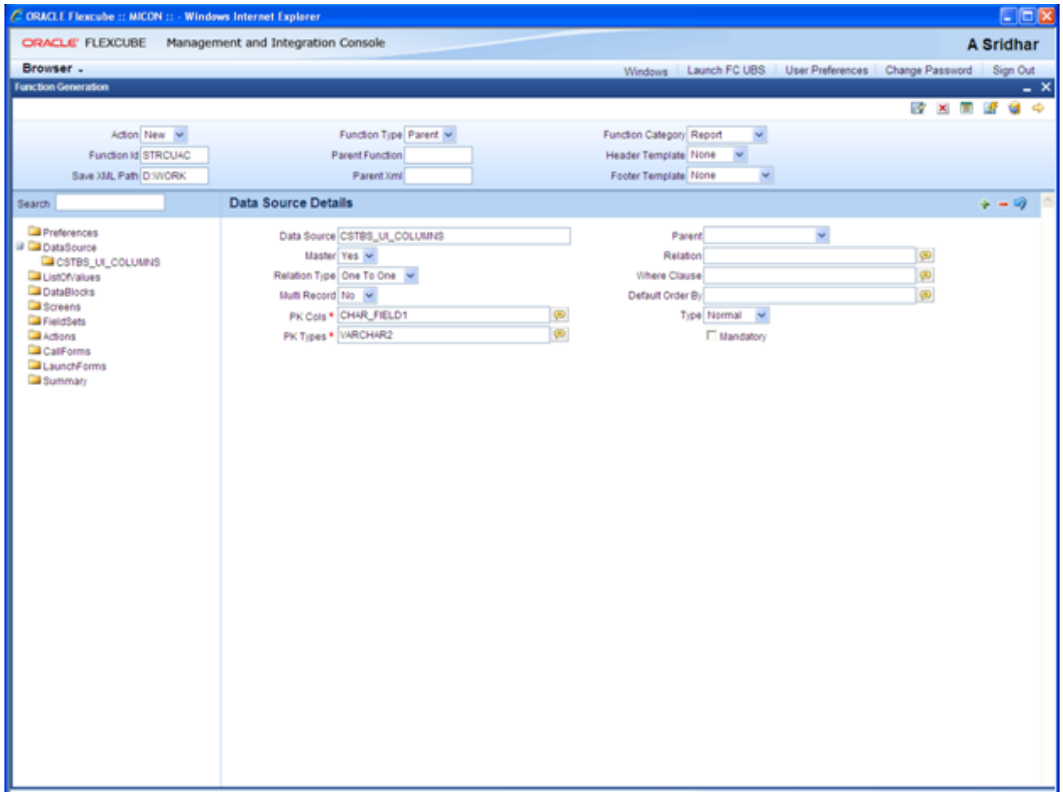
- Select function category as report



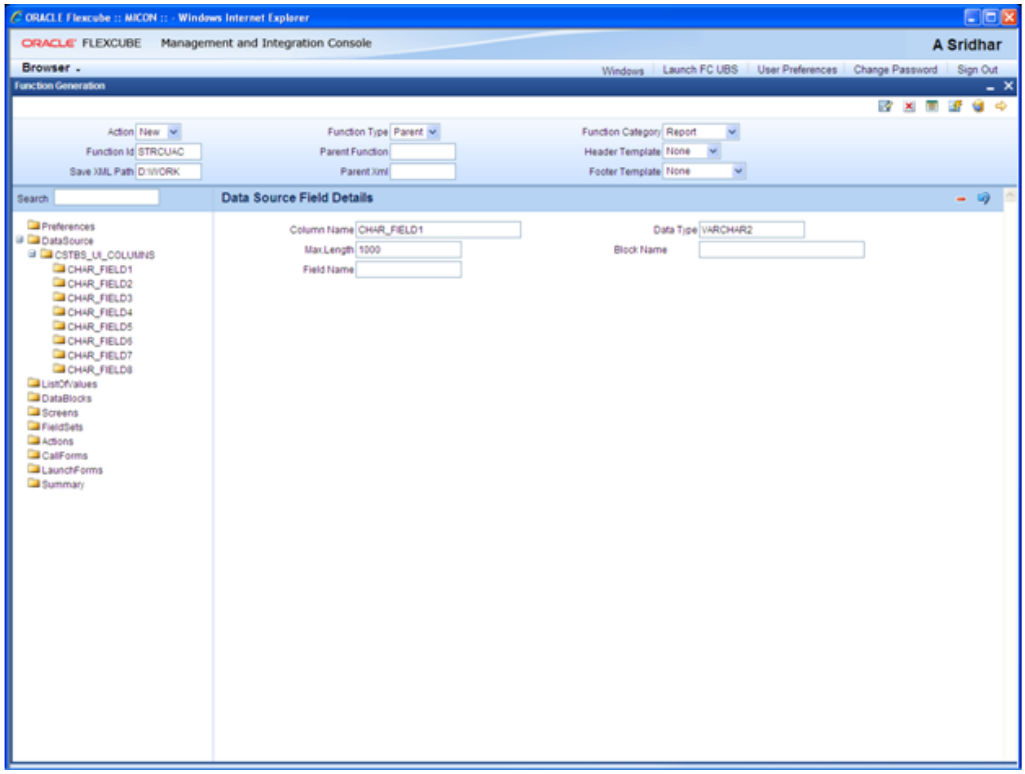
- Select table name as CSTBS_UI_COLUMNS



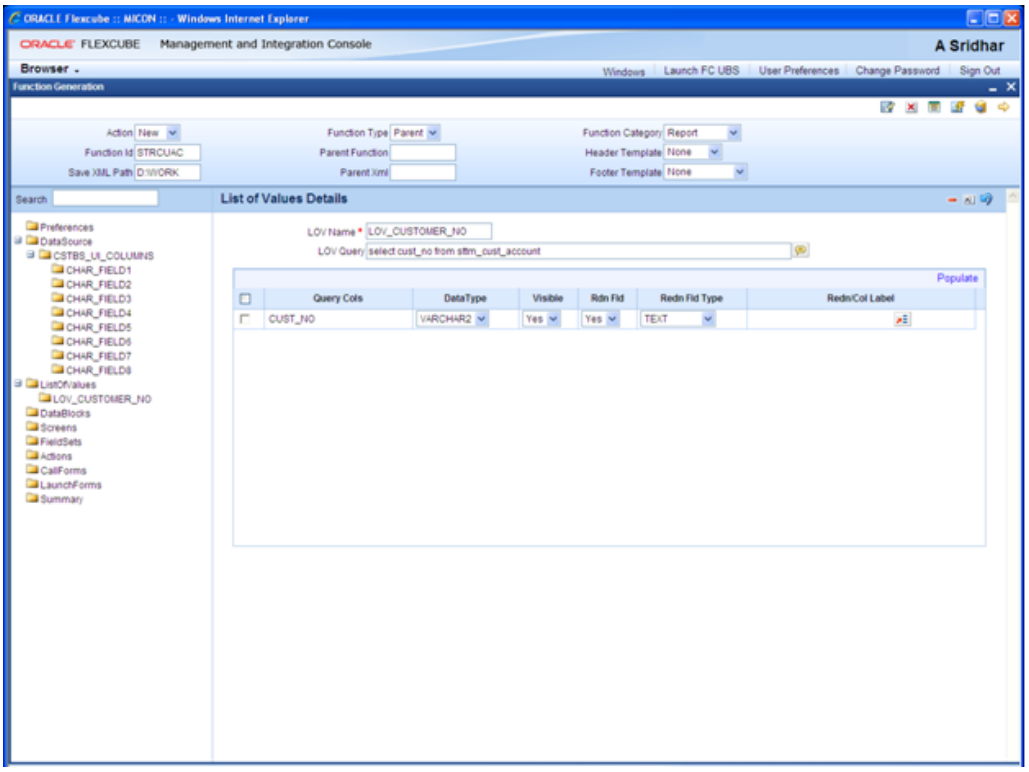
- Select master data source as ‘yes’and fill PK cols and PK Types



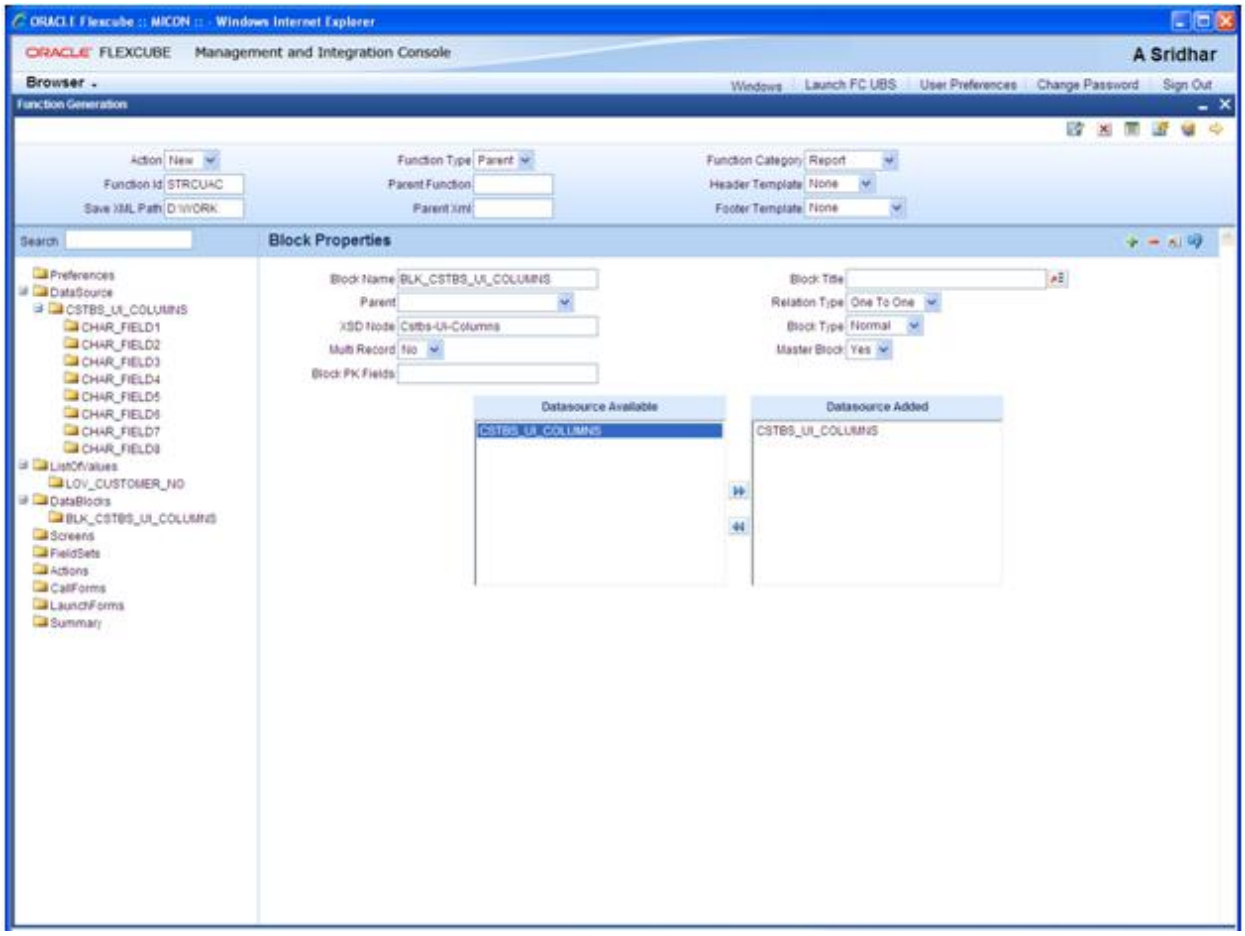
- Add data columns for data source



- Enter query in LOV Query and click on populate



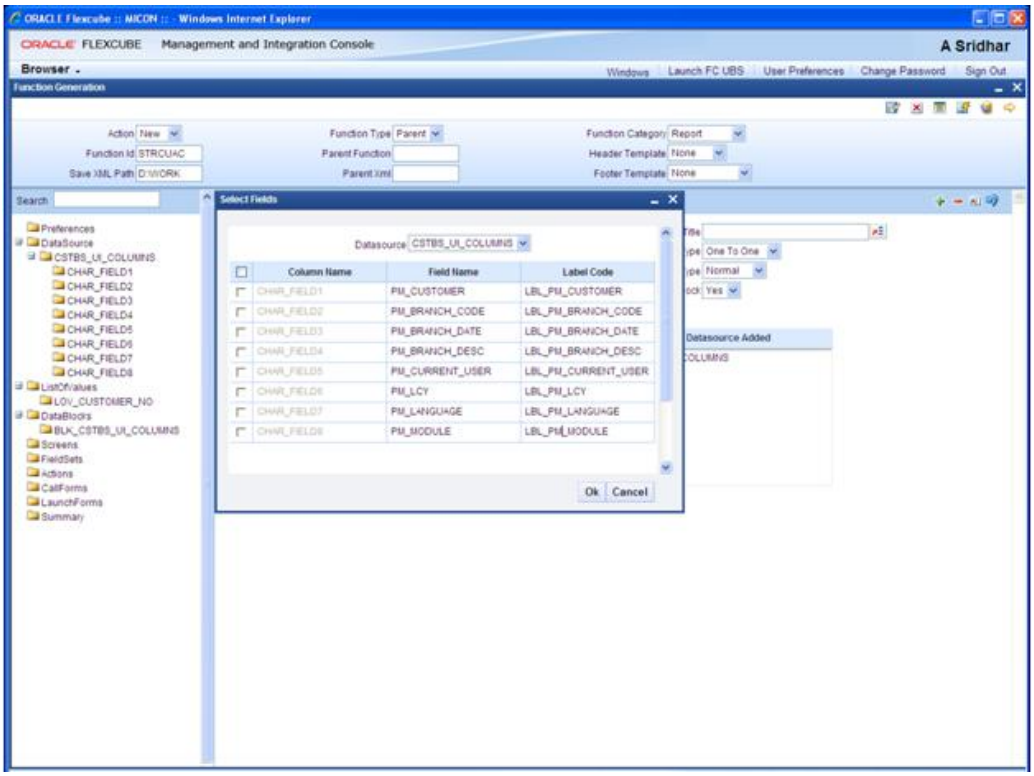
- Select master block as ‘yes’



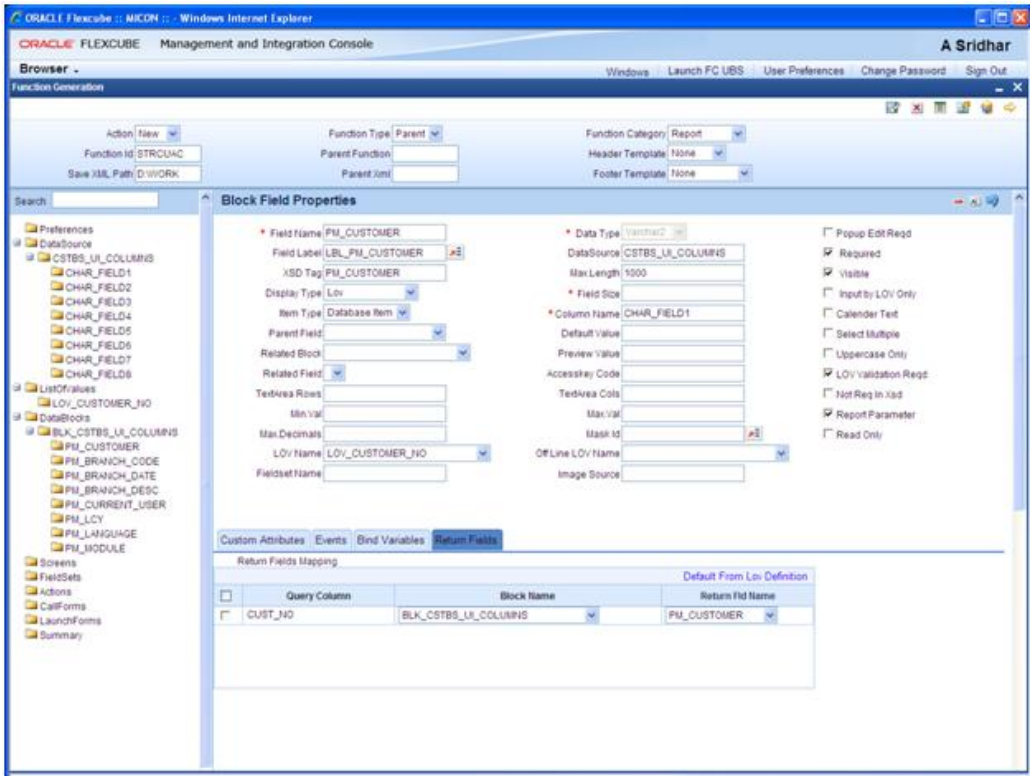
The table CSTB_UI_COLUMNS is used for report screen design. Columns can be selected from this table depending on the number and data types of “parameters” required for report generation.

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.

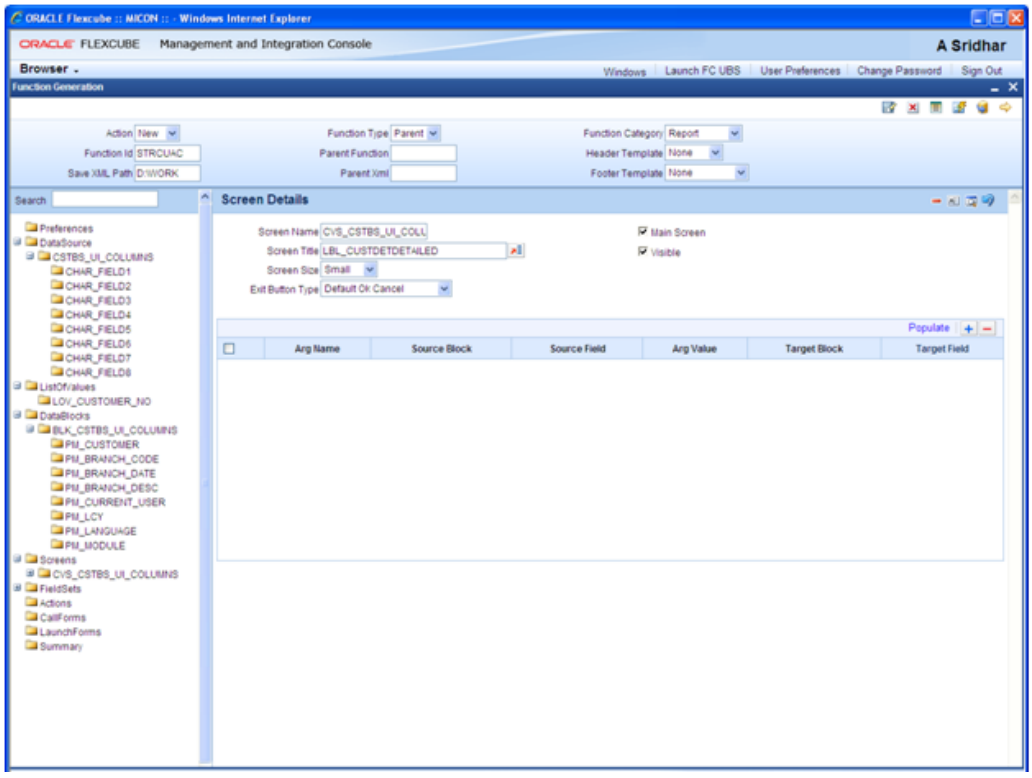
- Add Block fields by right clicking on block and give the field names



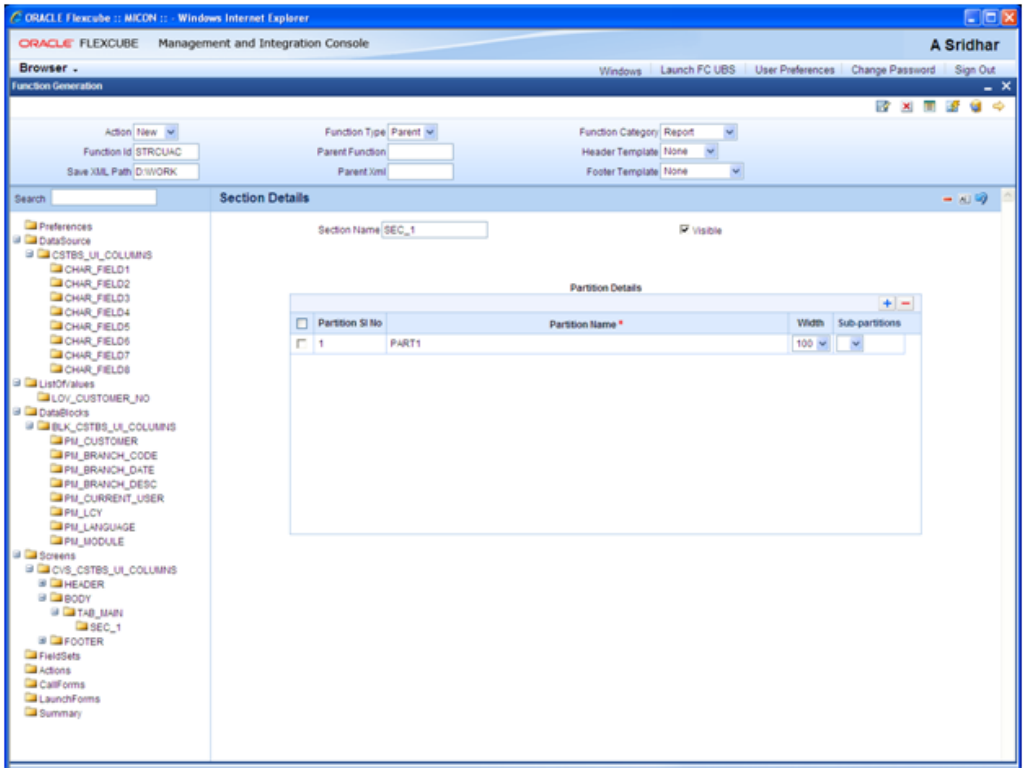
- Specify field properties



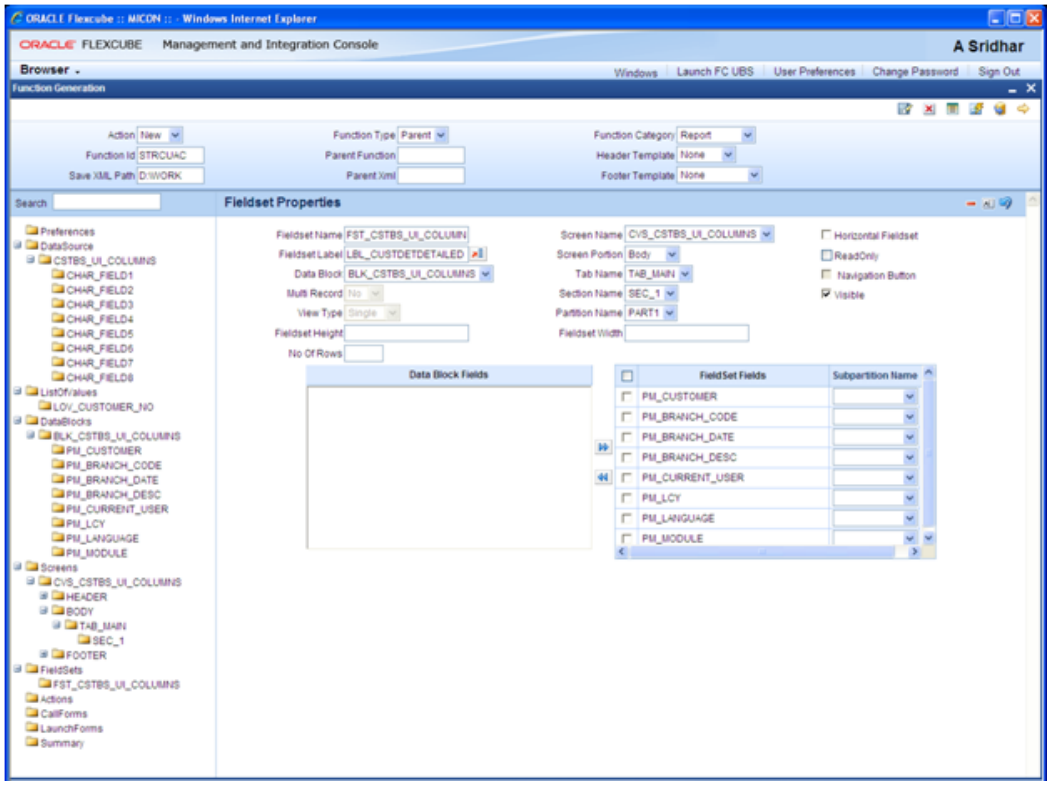
- Select main screen checkbox and screen size as small



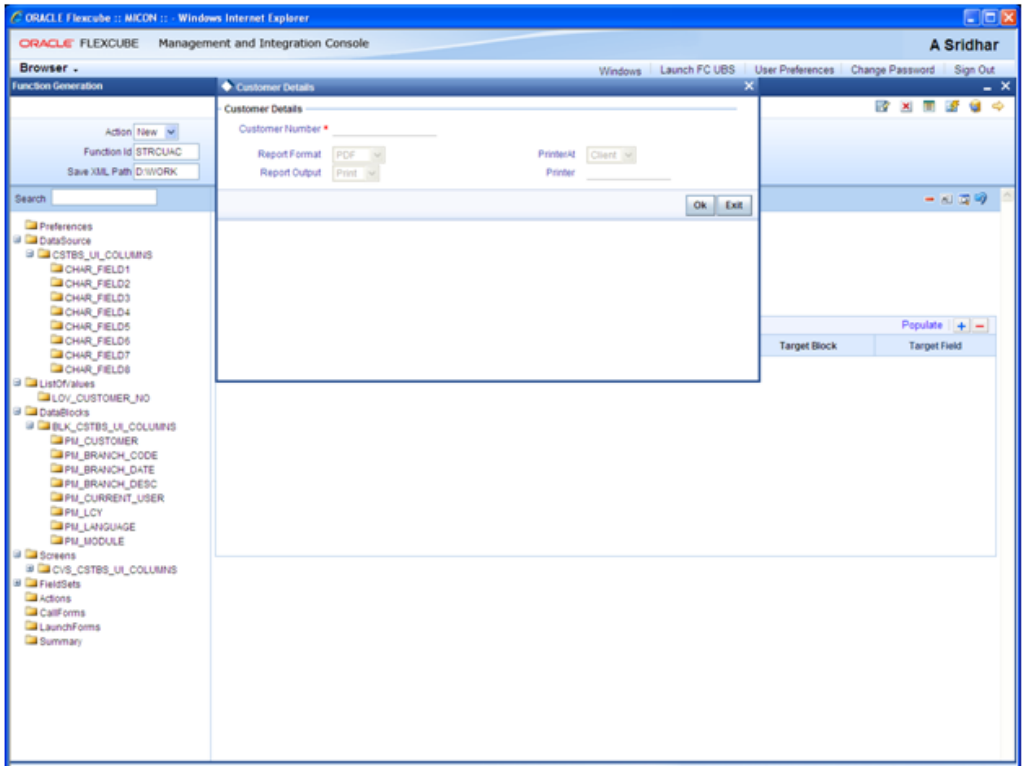
- Specify the partition details



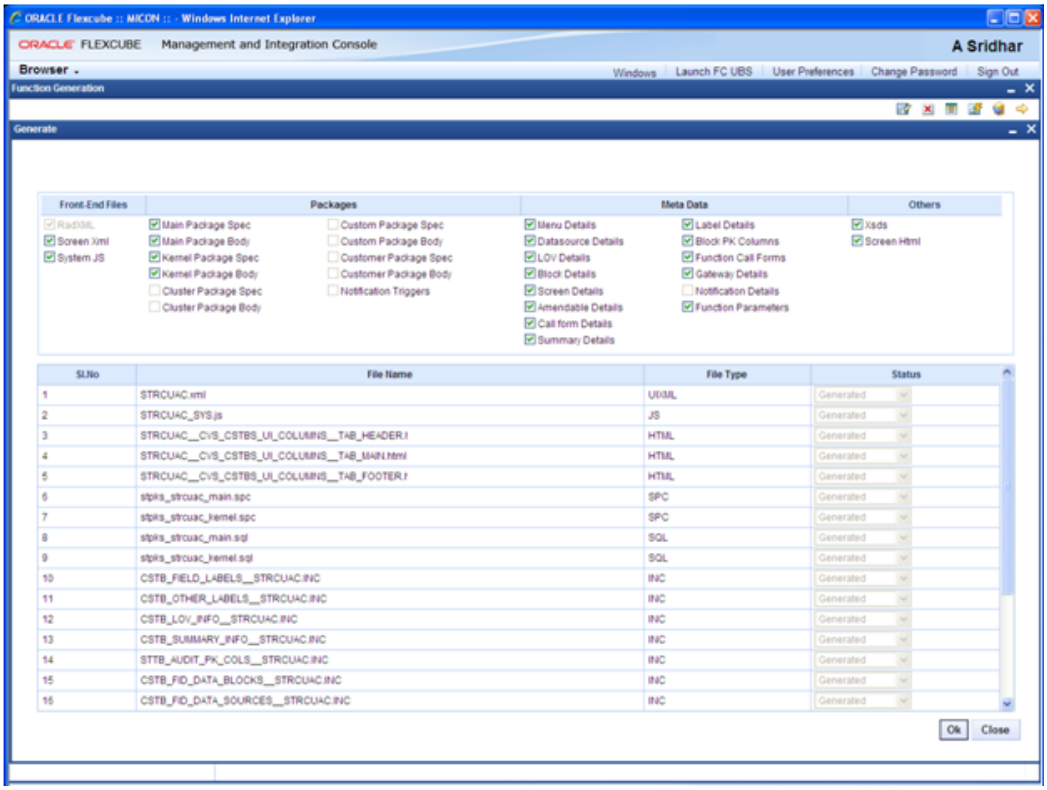
- Specify field set properties



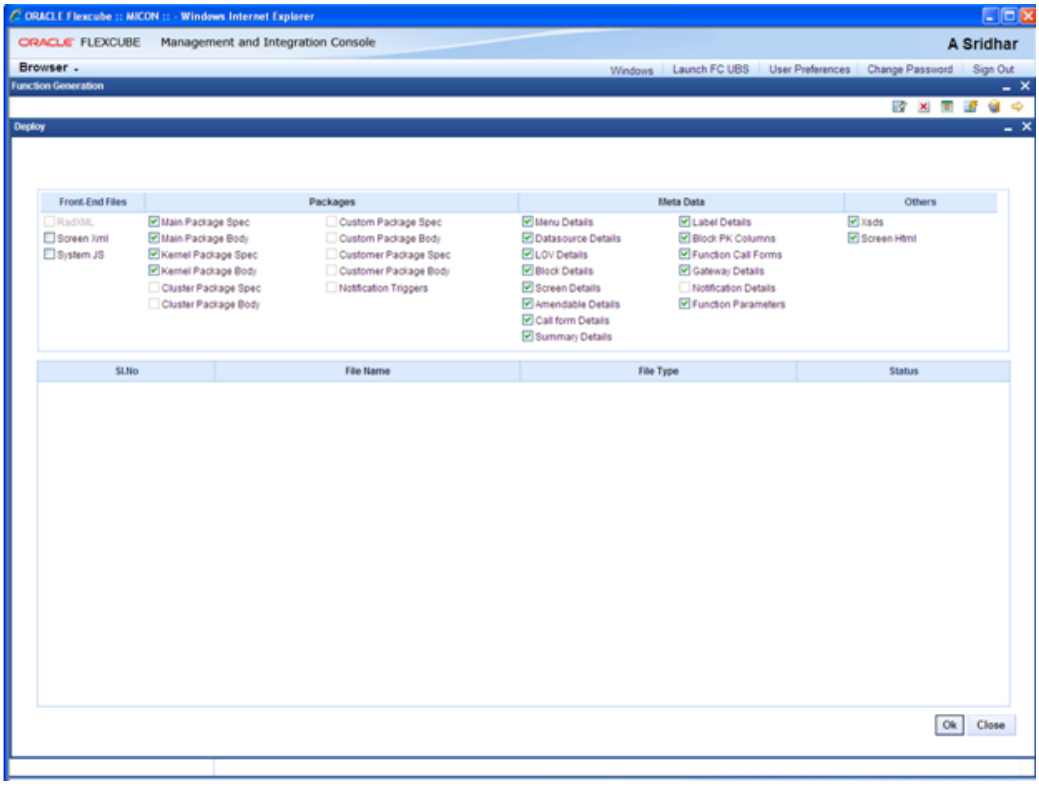
- Preview the screen



- Save and Generate the files



- Deploy the files



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

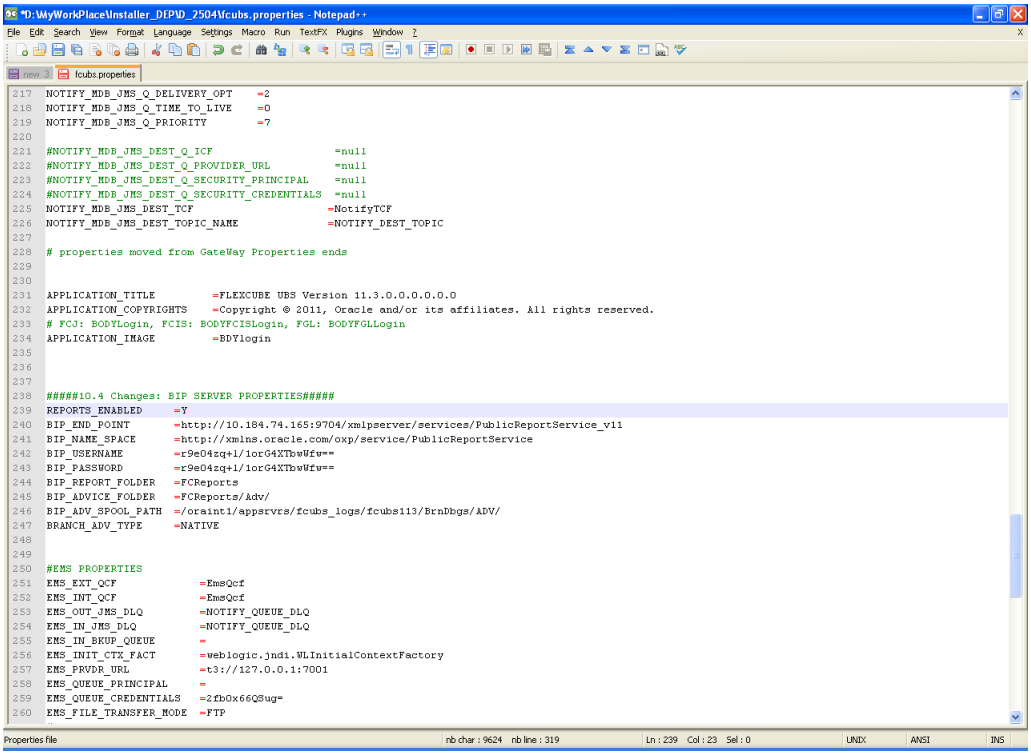
4.1.1 Static Data Change for Reports Functions

- 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

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

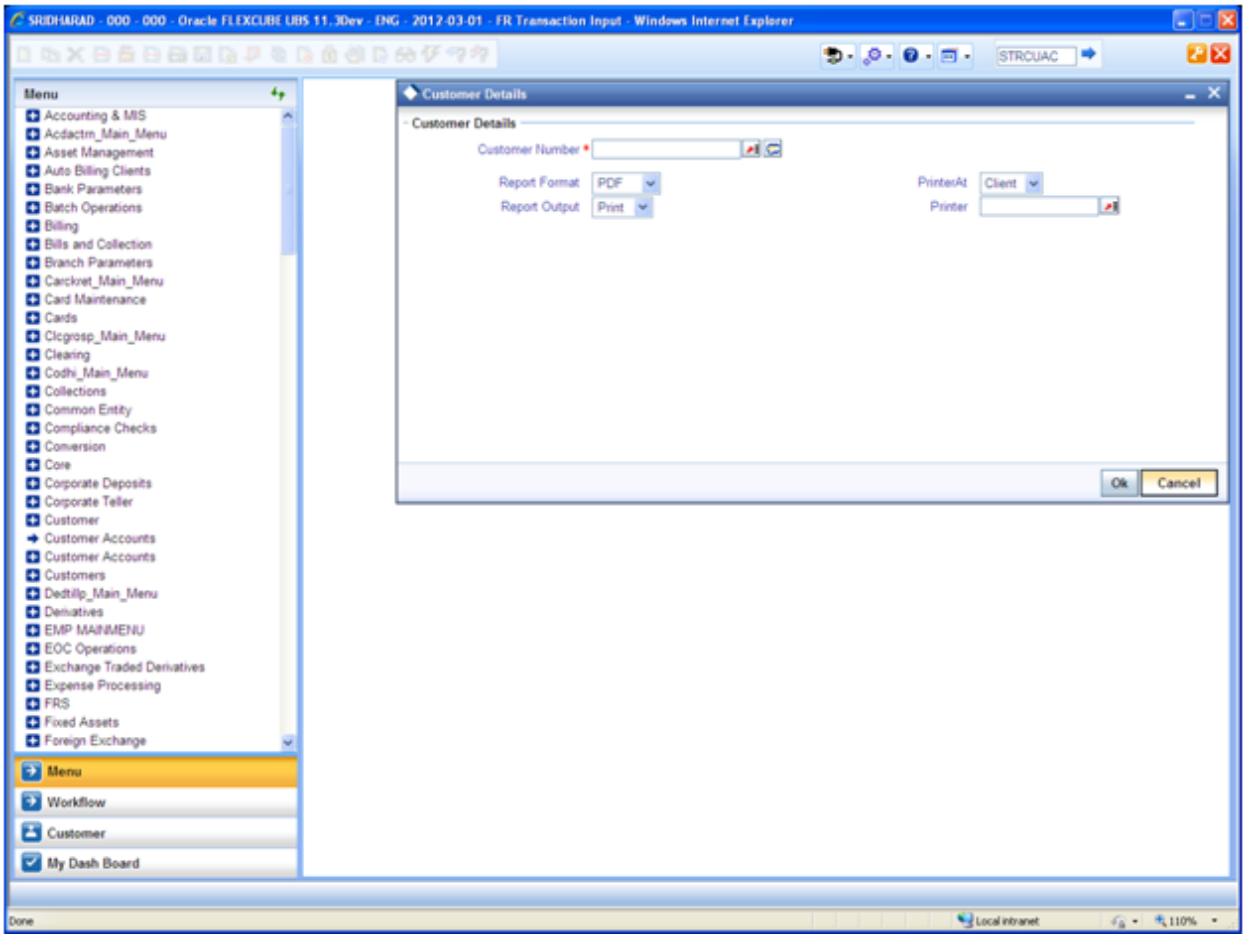


4.2.1 Declaration of parameters in spec of the package

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

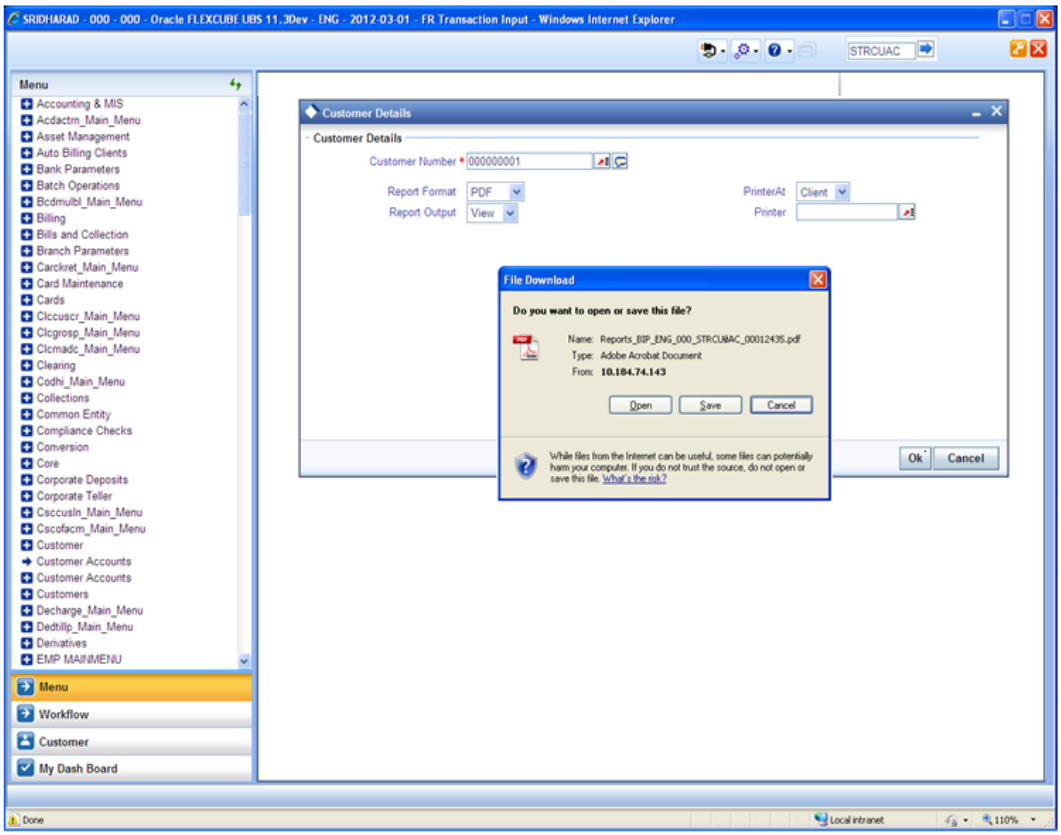
- Launch the Target FLEXCUBE URL
- Select the Report function ID that is developed



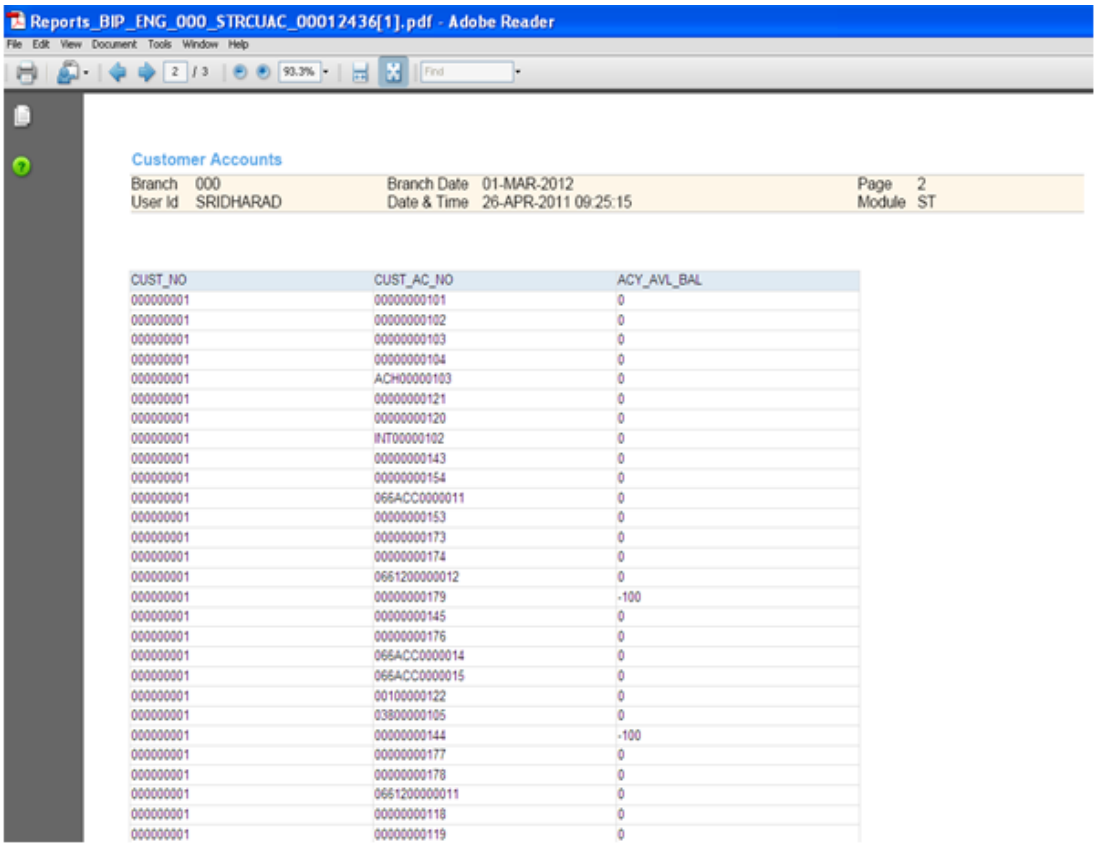
- Open Development Tool would automatically add the Report Options for all report screens

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

The report screen after data entry would calls 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



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
000000001	00000000101	0
000000001	00000000102	0
000000001	00000000103	0
000000001	00000000104	0
000000001	ACH00000103	0
000000001	00000000121	0
000000001	00000000120	0
000000001	INT00000102	0
000000001	00000000143	0
000000001	00000000154	0
000000001	065ACC0000011	0
000000001	00000000153	0
000000001	00000000173	0
000000001	00000000174	0
000000001	065120000012	0
000000001	00000000179	-100
000000001	00000000145	0
000000001	00000000176	0
000000001	065ACC0000014	0
000000001	065ACC0000015	0
000000001	00100000122	0
000000001	03800000105	0
000000001	00000000144	-100
000000001	00000000177	0
000000001	00000000178	0
000000001	065120000011	0
000000001	00000000118	0
000000001	00000000119	0

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