

Custom RAD Extensibility Transaction Screens

Oracle Banking Payments

Release 14.5.3.0.0

[Dec 2021]



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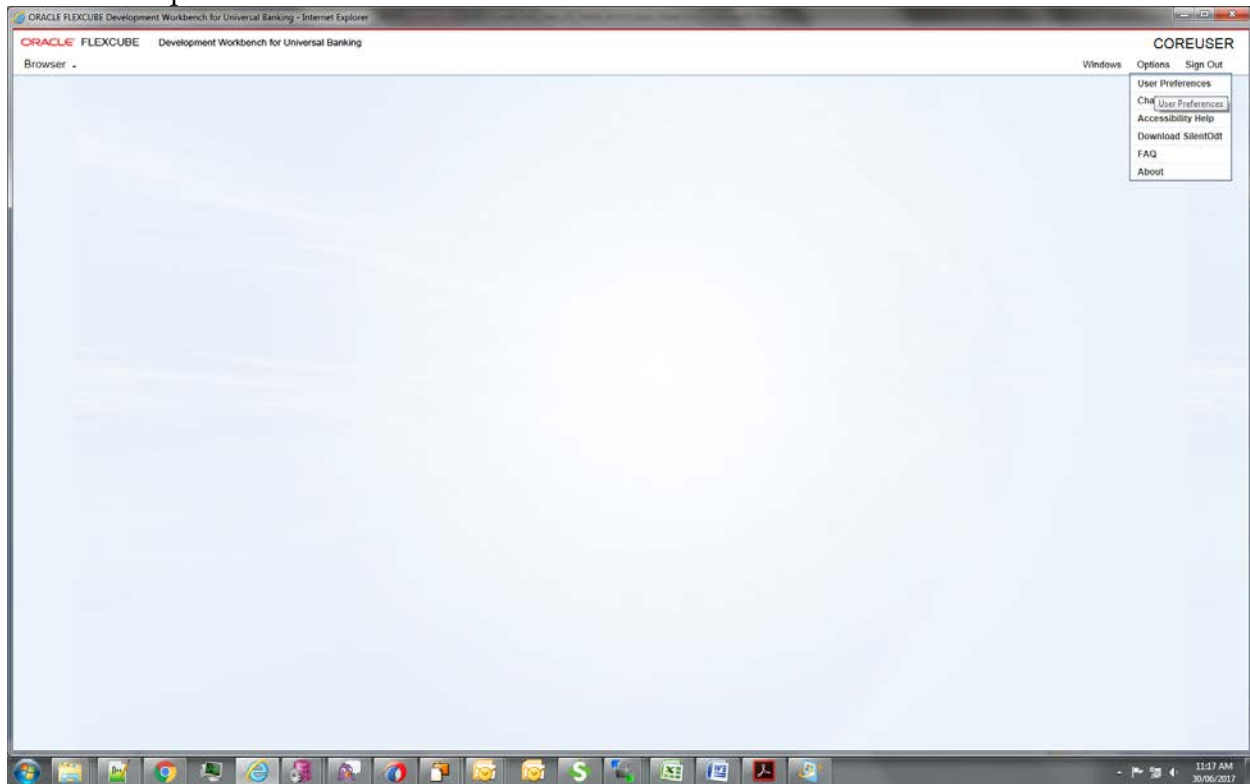
1 Preface

This document is a step by step guide to demonstrate how to make additions to existing Transaction screens/function Ids.

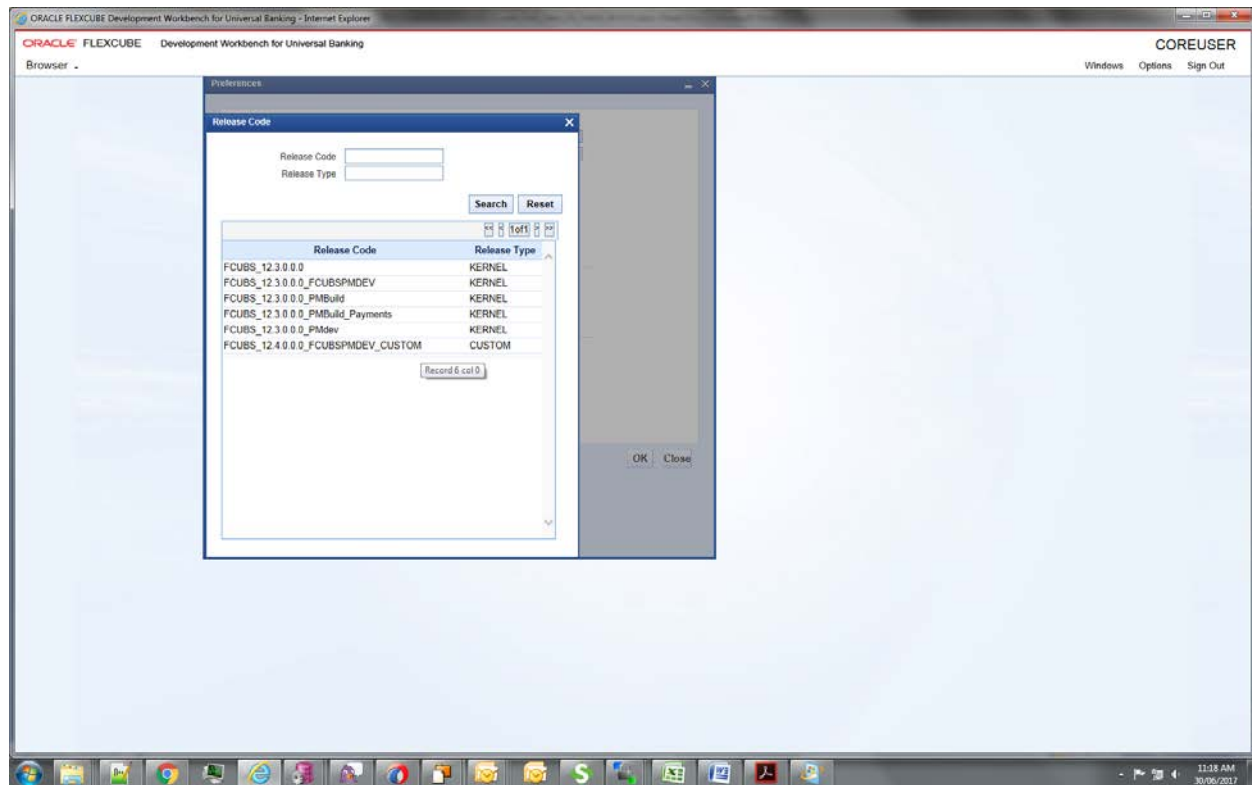
2 Approach

For demo purpose, we will be taking a transaction screen: PWDOTONL (Fedwire outgoing Transaction screen). We will create a demo table, add it to the RAD with 3 fields and then Save/query the record.

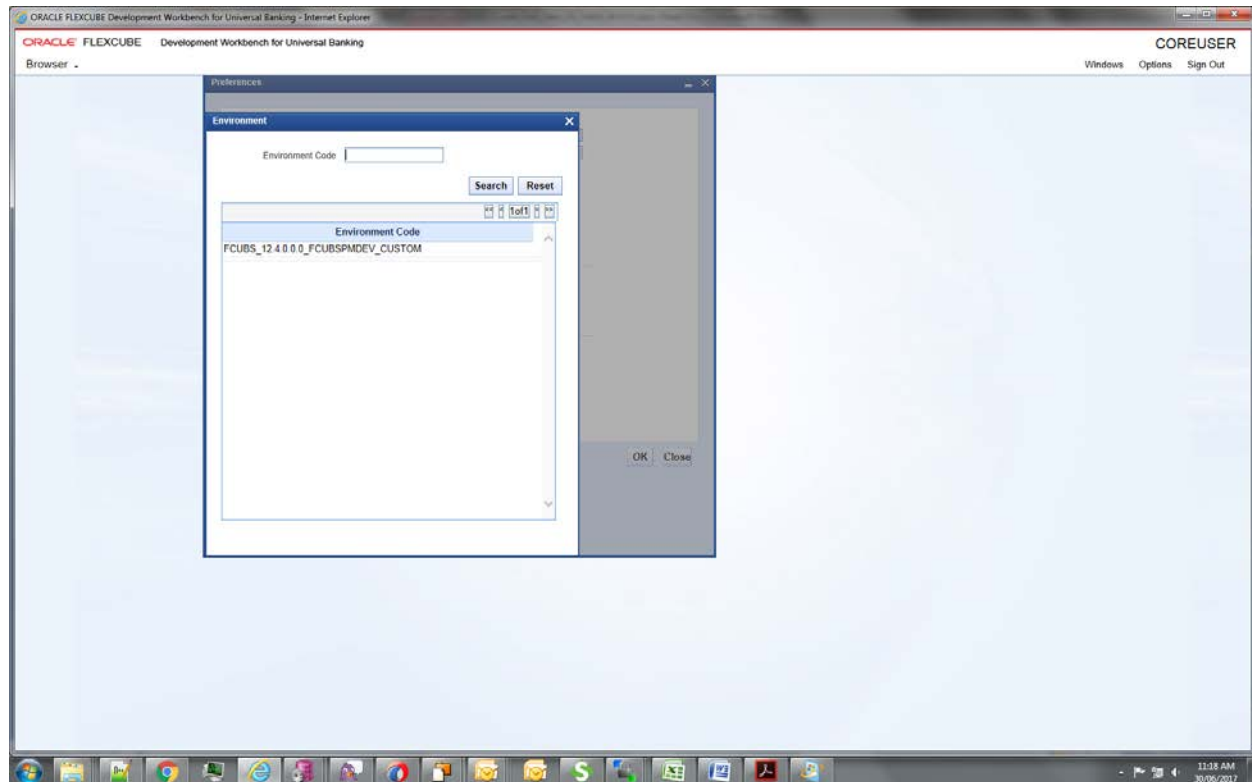
Select Options -> User Preferences



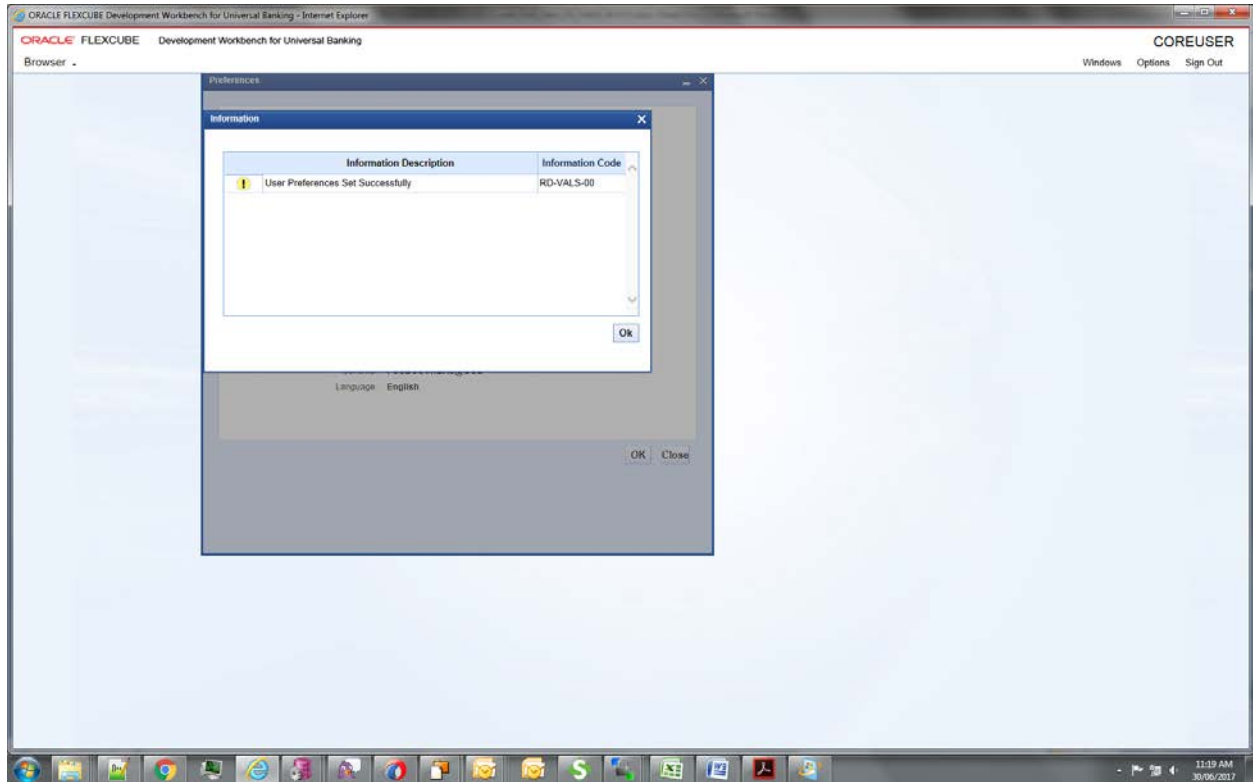
Select the Custom release



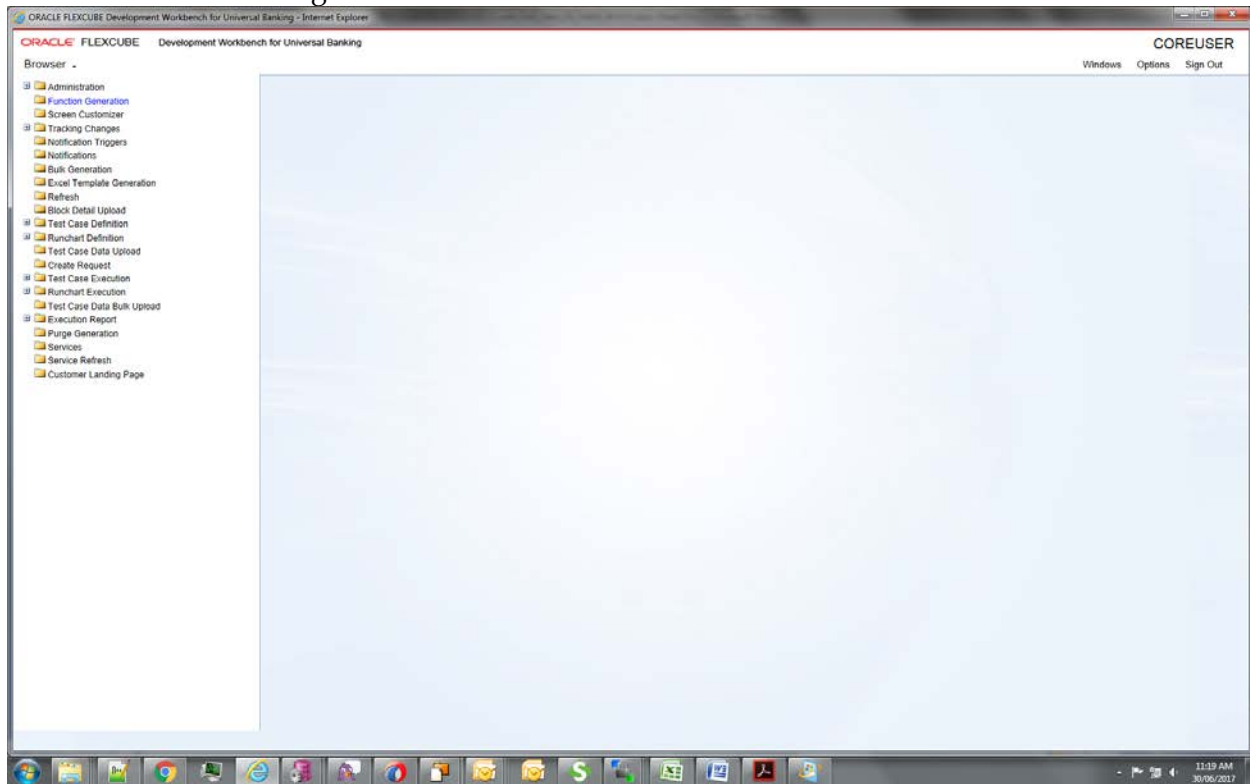
Select the environment



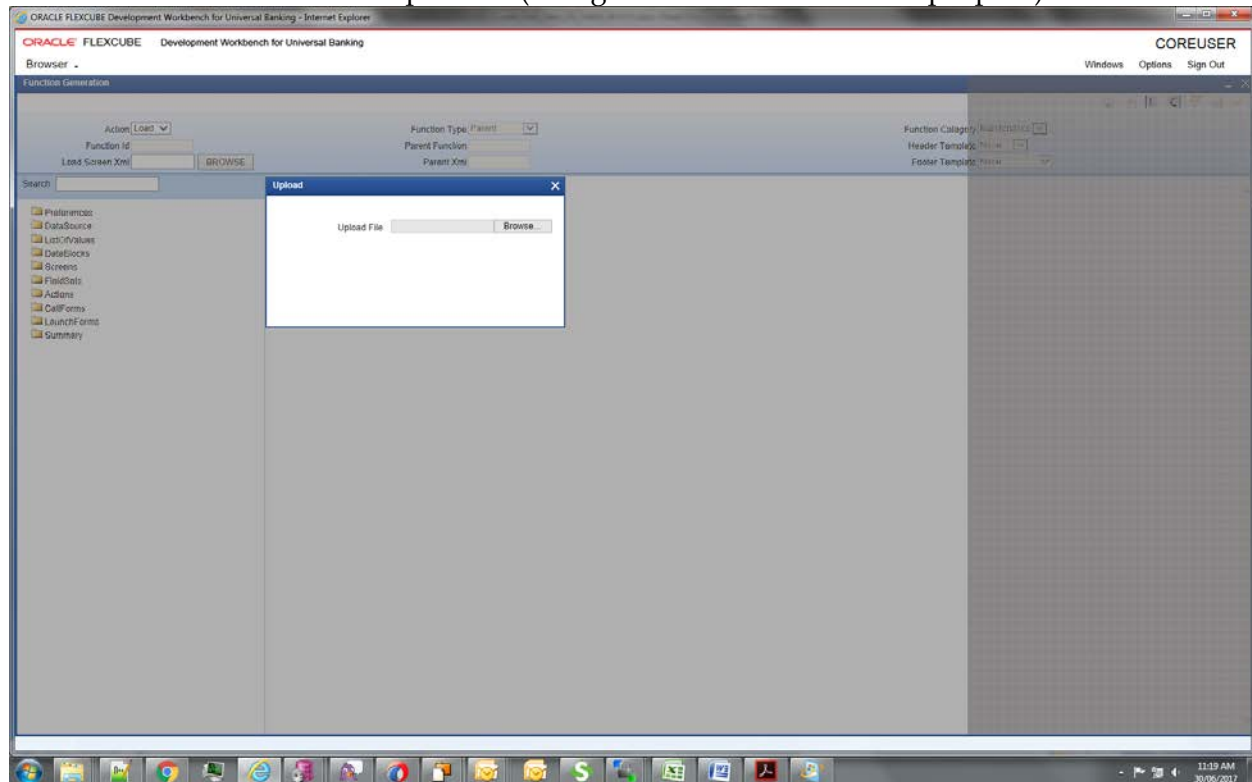
And then click ok



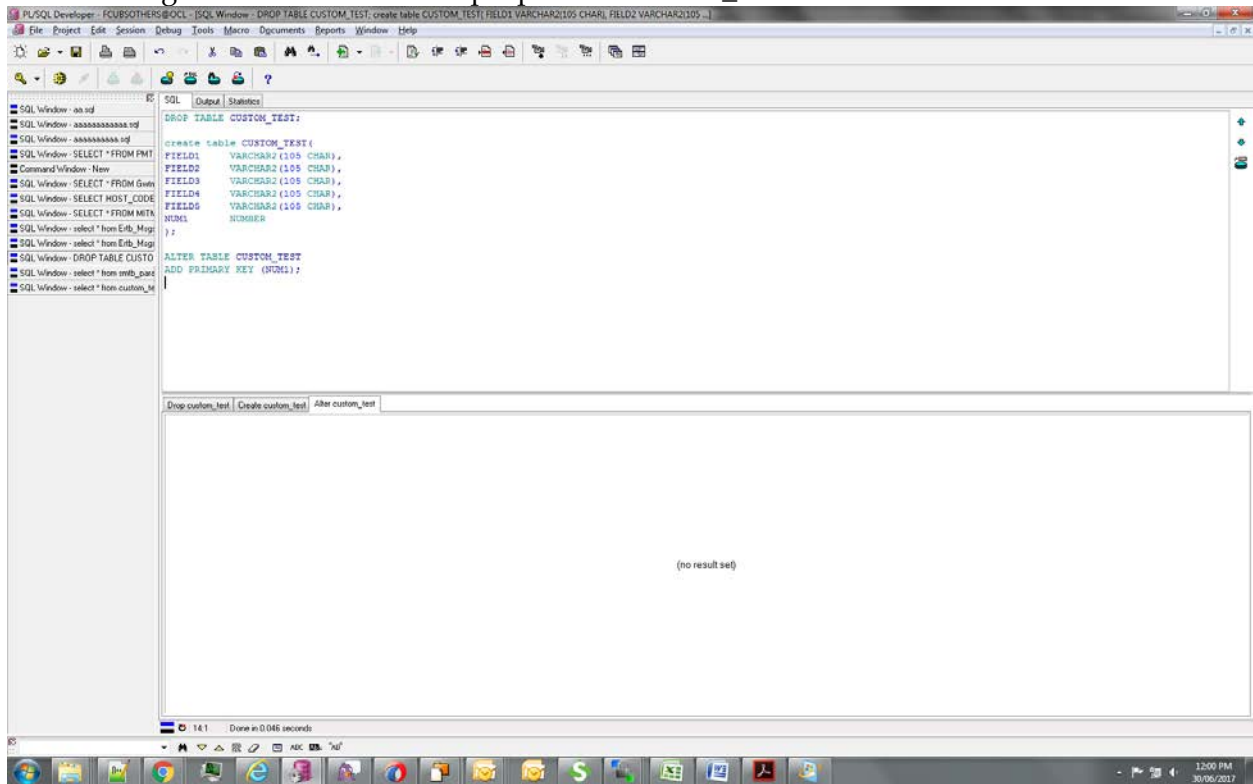
Select the function generation



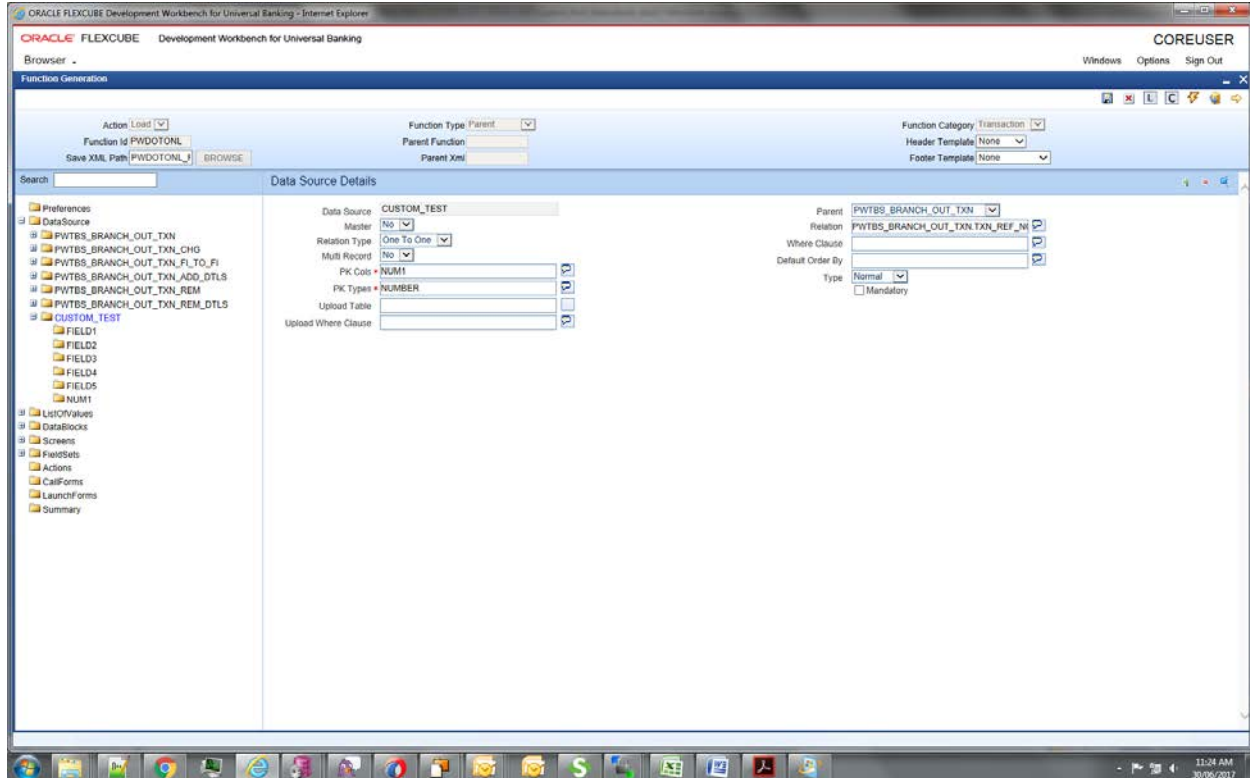
Select the RAD file to be uploaded (Using PWDOTONL for Demo purpose)



Creating a new table for Demo purpose- CUSTOM_TEST:



Added a new data source in the data source list and added fields for it. New table name CUSTOM_TEST

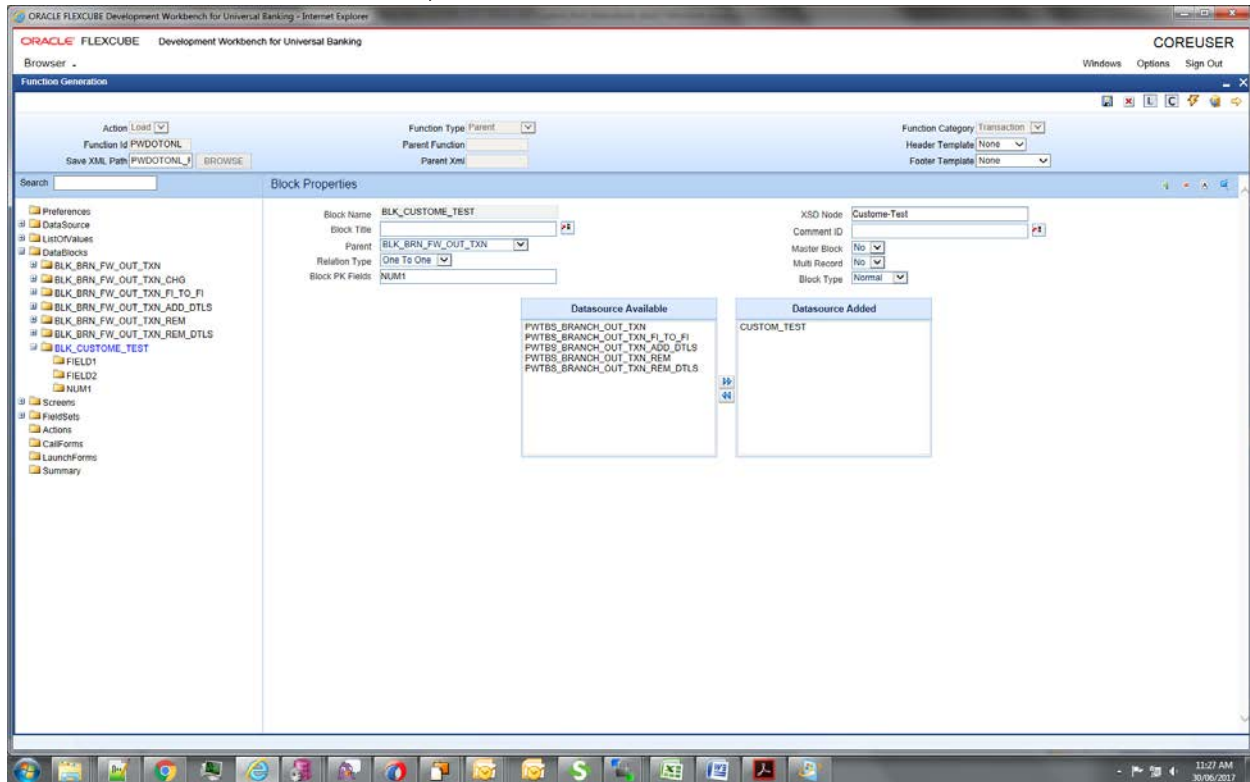


Points to note:

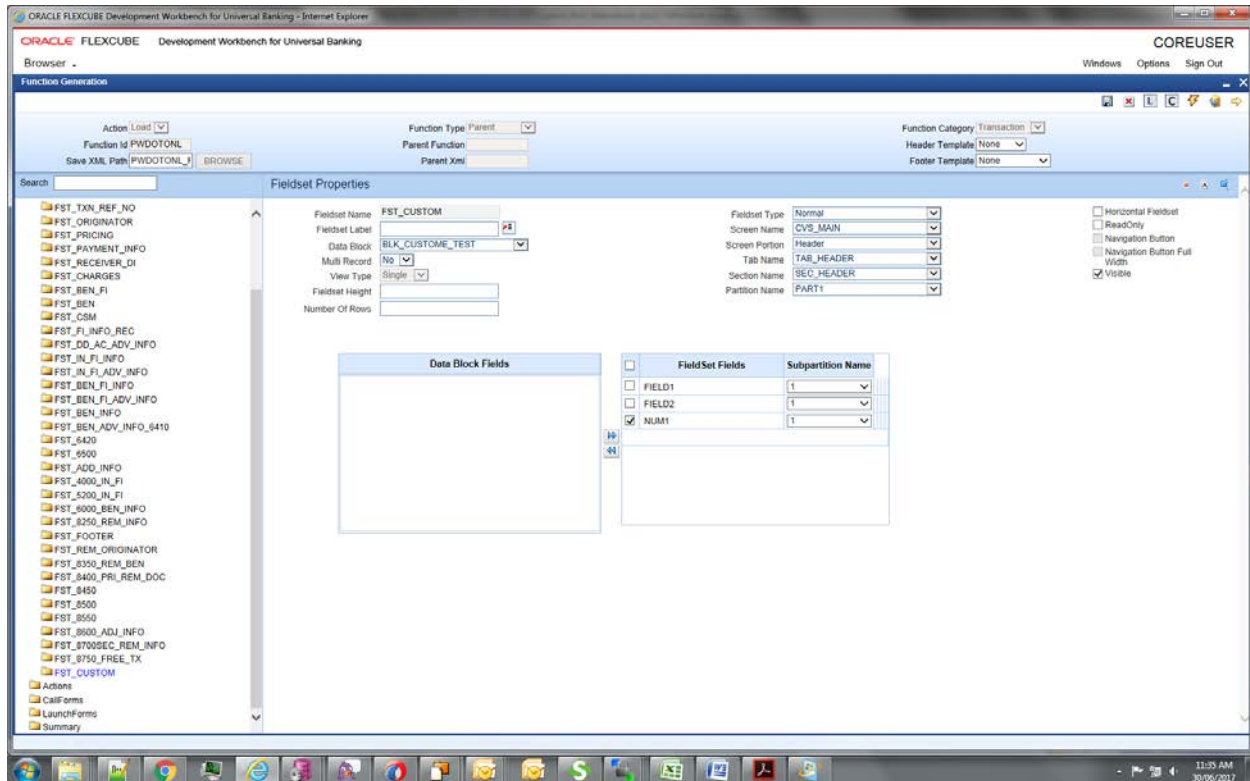
1. Here Num1 is used only for mapping with parent table. It must be part of Data Block and a fieldset (although it could be made invisible, but it has to be present in one of the fieldsets).
2. Relationship given:
PWTBS_BRANCH_OUT_TXN.TXN_REF_NO=CUSTOM_TEST.NUM1

Added new Data Block- CUSTOM_TEST and then added three fields to it- Field1, Field2 and Num1 (PK field, and to be used for entity/table mapping). Make sure the PK is mentioned in Block PK fields.

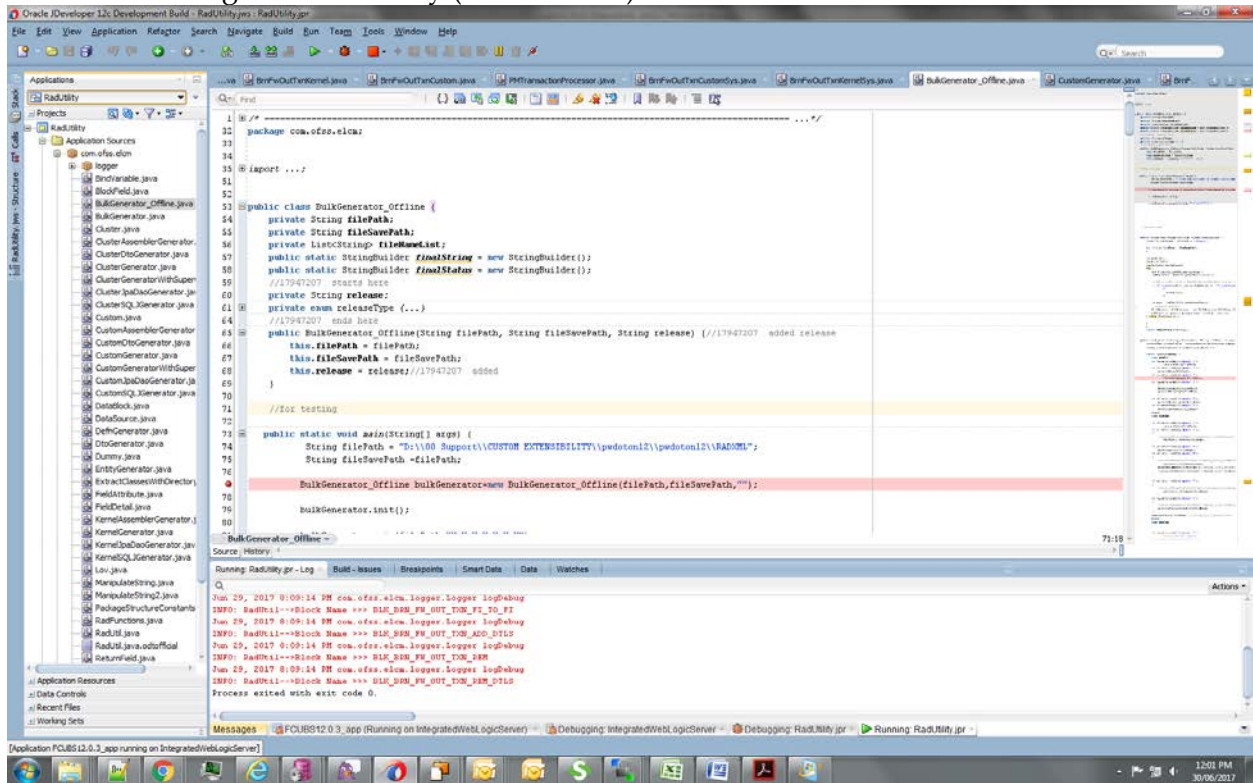
Field1 and Field2 are visible, Num1 is made invisible.



Created a new Field set FST_CUSTOM and added all the three fields to it. Added it in the Header section.

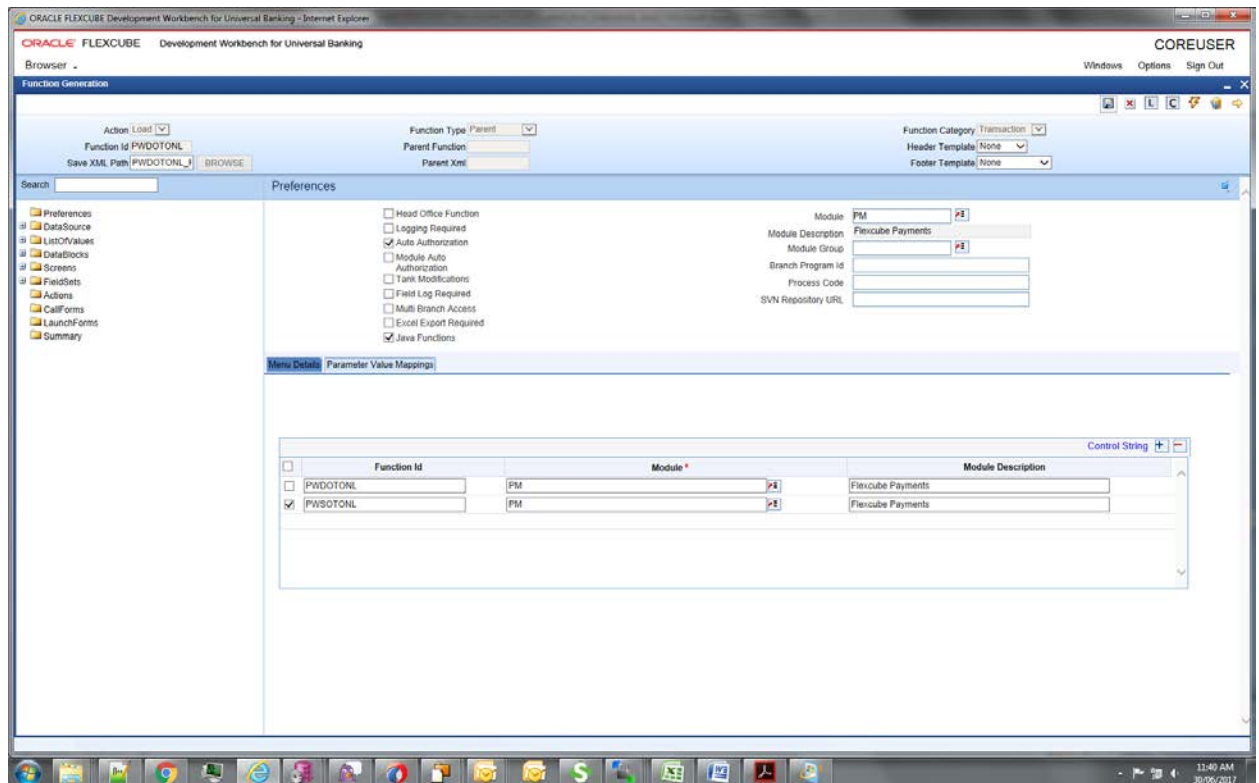


1. Using the RAD utility (local sources)

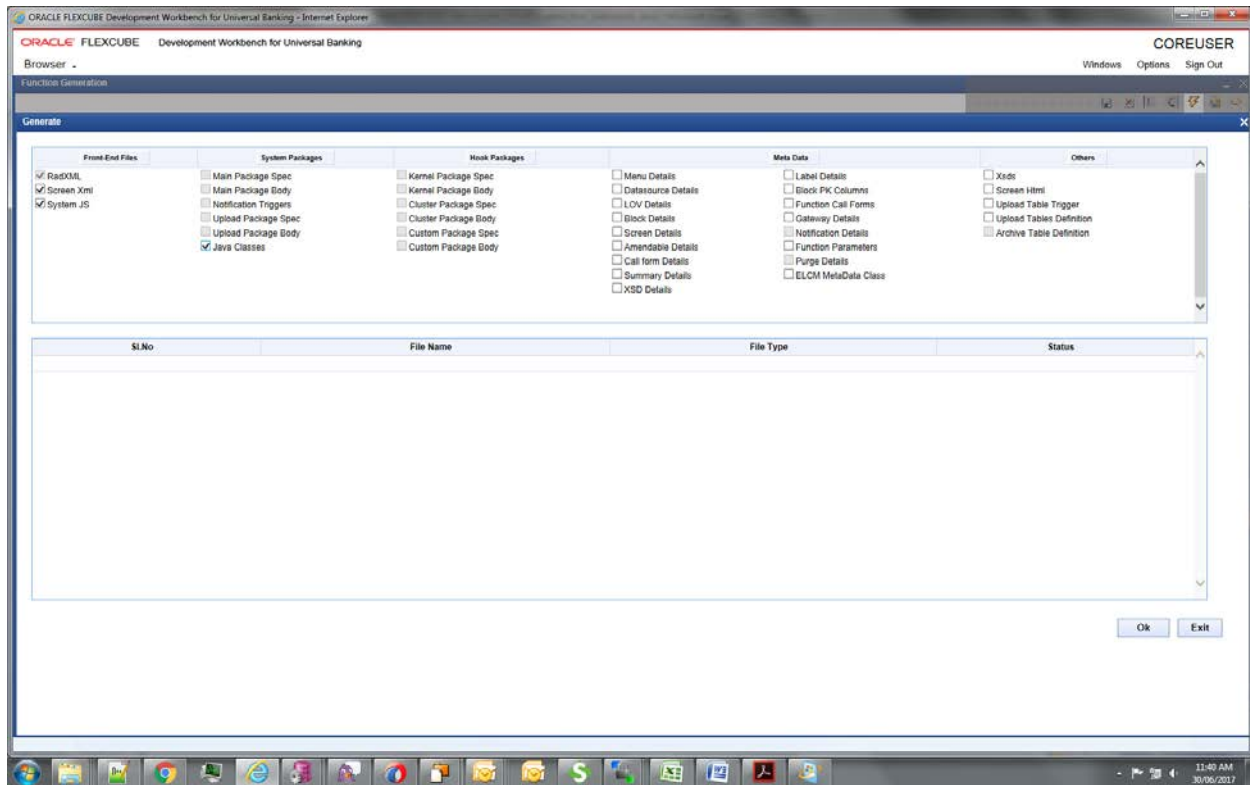


2. Using RADTOOL:

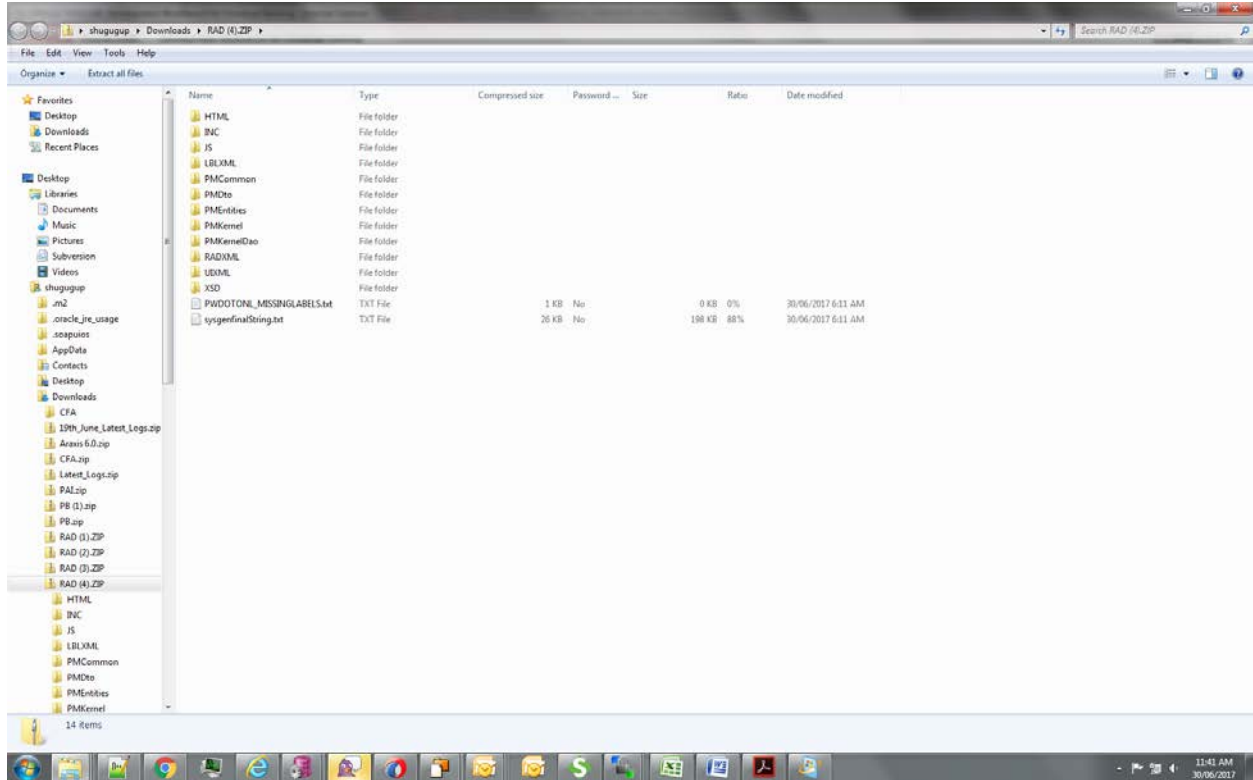
a. Step 1: Check Java functions in preferences



b. Step 2: While generating, check Java Classes.



Generated folders



Points to Note:

1. The generated artifacts need to be added to the project.
2. Common Files and Entity files will replace existing kernel files. Others will be of different names, e.g., BrnFwOutTxnCustomSys.java (instead of BrnFwOutTxnSys.java as in case of Kernel files).
3. These files extend kernel files, and hence all kernel functionality would be retained and additional code can be added in these Custom files as need be.
4. Please note that any additional business logic/validations can be added in <MasterBlockName>Custom.java file (for example, in this case, BrnFwOutTxnCustom.java).

After deploying the java files, UIXML and JS the screen (Blue Circled are the Custom fields)

The screenshot shows the Oracle Banking Payments Custom RAD Extensibility Transaction Screens. The main form is titled 'Fedwire Outgoing Payments' and includes several sections for data entry:

- Transaction Branch:** Host Code, Source Code (MANL), Network Code, Transfer Type (BTR Bank Transfer), 1510 Type, Sub Type, and custom fields Field 1 and Field 2 (highlighted with a blue circle).
- Transaction reference no:** User Reference, Source Reference Number, Transaction Type Code, and 3600 Business Function Code (BTR).
- Originator:** Debit Account, Debit Currency, ID Code, Identifier, Name, Address, and Address 1.
- Receiver:** Receiver ABA Number and Receiver Short Name.
- Charges:** Details of Charges and Senders Charges.
- Payment Details:** Booking Date, Instruction Date, Value Date, Transfer Currency (USD), Transfer Amount, and 3720 Exchange rate.
- Additional Information:** Debit Value Date, Credit Value Date, Customer No, Customer Service Model, and Remarks.

The bottom of the screen displays the Maker ID, Checker ID, Authorization Status, and an Exit button. The Oracle logo is visible in the top left corner, and the browser address bar shows the URL 127.0.0.1:7101/FC/NeoWeb/SMMCDIFRM.jsp.

Creating a new record:

SHUBHAM1 - 000 - 000 - 000 - Oracle FLEXCUBE12.4.0.0.0 - ENG - Transaction Input - Google Chrome
127.0.0.1:7101/FC/NeoWeb/SMMCDIFRM.jsp

ORACLE® Multi Factor Not Authenticated Entity : CORE1 Branch : 000 2016-11-16 Window ADMIN PWIDOTONL

Home Interactions Preferences

Fedwire Outgoing Payments

Save

Transaction Branch * 000	Transaction reference no * 1718111123930000
Host Code * HOSTSW	User Reference * 1718111123930000
Source Code * MANL	Source Reference Number
Network Code * FASTPAYMENT	Transaction Type Code
Transfer Type BTR-Bank Transfer	.3600 Business Function Code BTR
.1510 Type 10	
Sub Type 00	
Field 1 SHUBHAM	
Field 2 GUPTA	

Main Pricing FI Information Additional Remittance Information

:5000:Originator

Debit Account * PX1EUR000000000000012	Payment Details
Debit Currency EUR	Booking Date 2017-06-30
ID Code	Instruction Date * 2017-06-30
Identifier	Value Date YYYY-MM-DD
Name Graham Smith	Transfer Currency * USD
Address	Transfer Amount * 143
Address 1	.3720 Exchange rate

Enrich

Receiver

Receiver ABA Number * 111	Debit Value Date
Receiver Short Name	Credit Value Date
	Customer No 10000000010000000001
	Customer Service Model
	Remarks

:3700:Charges

Details of Charges	Authorization Status
Senders Charges	Cancel

Maker ID
Maker Date Stamp

Checker ID
Checker Date Stamp

11:36 AM
30/06/2017

Record saved

The screenshot displays the Oracle Banking Payments Custom RAD Extensibility Transaction Screens. The main window is titled "Fedwire: Outgoing Payments" and contains a form for entering transaction details. The form is divided into several sections: "Originator", "Receiver", and "Charges". The "Originator" section includes fields for "Transaction Branch", "Host Code", "Source Code", "Network Code", "Transfer Type", "1510 Type", "Sub Type", "Field 1", and "Field 2". The "Receiver" section includes fields for "Receiver ABA Number", "Receiver Short Name", "Debit Account", "Debit Currency", "ID Code", "Identifier", "Name", "Address", and "Address 1". The "Charges" section includes fields for "Details of Charges" and "Senders Charges". The form also displays "Transaction reference no.", "User Reference", "Source Reference Number", "Transaction Type Code", and "Business Function Code". An "Information Message" dialog box is overlaid on the form, displaying the message "Transaction Processed and Authorized." and an "Ok" button. The Oracle logo is visible in the top left corner of the application window. The bottom of the screen shows a Windows taskbar with various application icons and a system clock indicating 11:57 AM on 30/06/2017.

Record saved

Oracle Banking Payments Custom RAD Extensibility Transaction Screens

Transaction reference no * 171811123930000
User Reference * 171811123930000
Source Reference Number
Transaction Type Code
Business Function Code BTR

Transaction Branch * 000
Host Code * HOSTSW
Source Code * MANL
Network Code * FASTPAYMENT
Transfer Type BTR Bank Transfer
1510 Type 10
Sub Type 00
Field 1 SHUBHAM
Field 2 GUPTA

Main Pricing FI Information Additional Remittance Information
:5006:Originator
Debit Account * PX1EUR000000
Debit Currency EUR
ID Code
Identifier
Name Graham Smith
Address
Address 1

Receiver
Receiver ABA Number * 111
Receiver Short Name

:3790:Charges
Details of Charges
Senders Charges

Maker ID
Maker Date Stamp

Checker ID
Checker Date Stamp

Authorization Status

Information Message
Transaction Processed and Authorized.
Ok

11:57 AM
30/06/2017

SHUBHAM1 - 000 - 000 - Oracle FLEXCUBE12.4.0.0.0 - ENG - Transaction Input - Google Chrome

127.0.0.1:7101/FC/NeoWeb/SMMDFRM.jsp

Oracle

Multi Factor Not Authenticated Entity: CORP1 Branch: 000 2015-11-18 Window ADMIN PWDDOTNL

Home Interactions Preferences

Fedwire Outgoing Payments

New Copy Delete Print Authorize Enter Query

Transaction Branch * 000

Host Code * HOSTSW

Source Code * MANL

Network Code * FASTPAYMENT

Transfer Type BTR-Bank Transfer

1510 Type 10

Sub-Type 00 4330-Type

Field 1 SHUBHAM

Field 2 GUPTA

Transaction reference no * 1718111123930000

User Reference * 1718111123930000

Source Reference Number

Transaction Type Code

3600 Business Function Code BTR

Mail Pricing FI Information Additional Remittance Information

:5000:Originator

Debit Account * FX1E1UR00000000000001

Debit Currency EUR

ID Code *

Identifier

Name Graham Smith

Address

Address 1

Payment Details

Booking Date 2017-06-30

Instruction Date * 2017-06-30

Value Date YYYY-MM-DD

Transfer Currency * USD

Transfer Amount * 143

:3720 Exchange rate

Exch

Receiver

Receiver ABA Number * 111

Receiver Short Name

Debit Value Date

Credit Value Date

Customer No 10000000010000000001

Customer Service Model

Remarks

:3700:Charges

Details of Charges

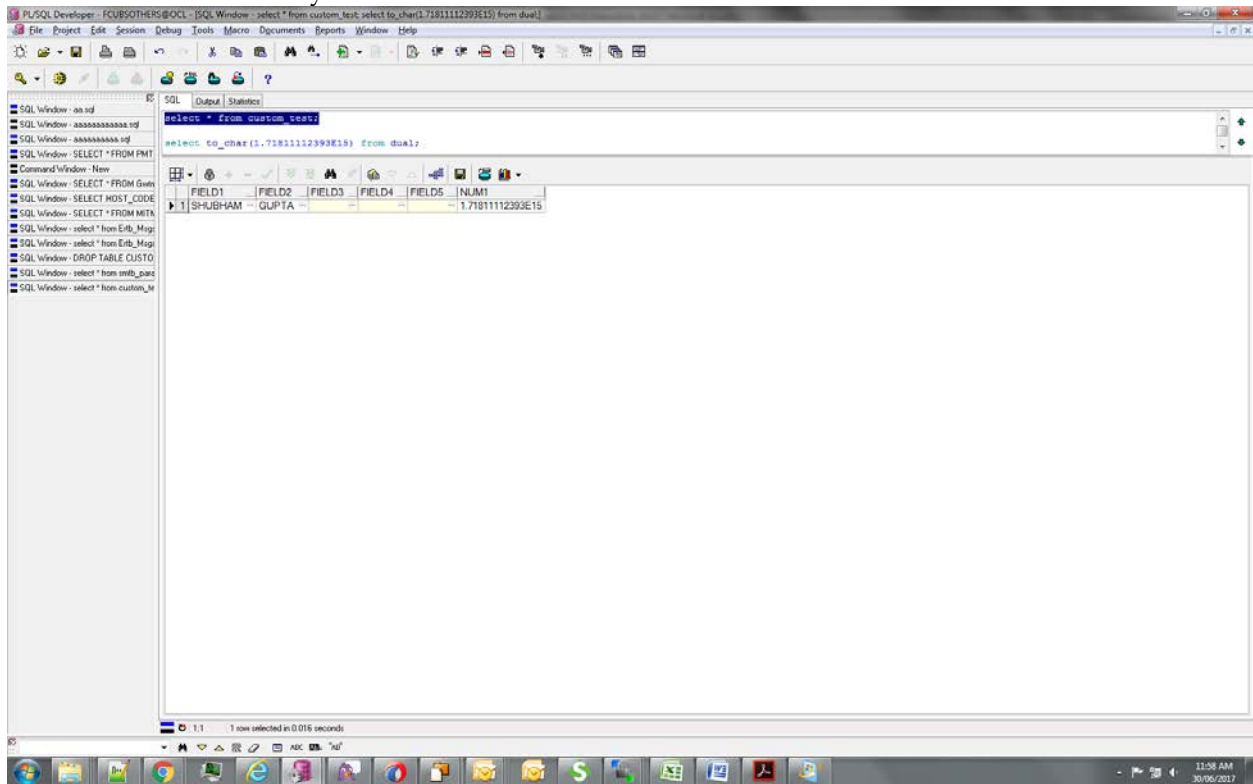
Senders Charges

Maker ID Checker ID Authorization Status

Maker Date Stamp Checker Date Stamp

Exit

Backend table Entry





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