

Oracle FLEXCUBE UBS - PROSA Integration

Oracle FLEXCUBE Universal Banking

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Oracle FLEXCUBE UBS - PROSA Integration User Guide
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1. Preface

1.1 Introduction

This document helps you to get acquainted with the information on inter-connecting Oracle FLEXCUBE Universal Banking System (FCUBS) with PROSA.

1.2 Audience

This manual is intended for the following User/User Roles:

Role	Function
Back office data entry Clerks	Input functions for maintenance related to the interface
End of day operators	Processing during end of day
Implementation Teams	For setting up integration

1.3 Documentation Accessibility

For information about Oracle's commitment to accessibility, visit the Oracle Accessibility Program website at <http://www.oracle.com/pls/topic/lookup?ctx=acc&id=docacc>.

1.4 Organization

This chapter is organized into following chapters:





Chapter	Description
Chapter 1	<i>Preface</i> gives information on the intended audience. It also lists the various chapters covered in this User Manual.
Chapter 2	<i>Oracle FCUBS - PROSA Integration</i> explains the integration between Oracle FLEXCUBE Universal Banking and PROSA.

1.5 Acronyms and Abbreviations

Abbreviation	Description
System	Unless and otherwise specified, it always refers to Oracle FLEXCUBE Universal Banking system
FCUBS	Oracle FLEXCUBE Universal Banking System

1.6 Glossary of Icons

This user manual may refer to all or some of the following icons.

Icons	Function
	Exit
	Add row
	Delete row
	Option List

1.7 Related Information Sources

Along with this user manual you may also refer the following related resources:

- Oracle FLEXCUBE Universal Banking Installation Manual
- Procedures User Manual
- Generic Interface User Manual

2. Oracle FCUBS - PROSA Integration

This document explains the enhancements made to the PROSA Interface module of Oracle FLEXCUBE Universal Banking Solutions, which will be available only if your installation has specifically requested for them.

This chapter contains the following sections:

- [Section 2.1, "Scope"](#)
- [Section 2.2, "Prerequisites"](#)
- [Section 2.3, "Integration Process"](#)
- [Section 2.4, "File Format"](#)

2.1 Scope

Oracle FLEXCUBE allows your customers to make credit card payments of your own bank as well as other banks, through your bank. These payments can be made using the Savings module. You can then send details of such payments to the respective banks in the form of a text file. You need to maintain the certain details for this file generation.

2.2 Prerequisites

This section contains the following topics:

- [Section 2.2.1, "External System Maintenance"](#)
- [Section 2.2.2, "Interface Definition"](#)

2.2.1 External System Maintenance

You need to maintain the external system details by using the 'External System' screen. You can this screen by typing 'GWDEXSYS' in the field at the top right corner of the Application tool bar and clicking the adjoining arrow button.

The screenshot shows the 'External System Maintenance' window. At the top, there's a 'New' button and an 'Enter Query' field. Below this, the 'External System' section has a 'Description' field. The 'Correlation Pattern' section has a 'Request' dropdown and a 'Message ID' field. The 'Message Exchange Pattern' section has 'Request Message' and 'Response Message' dropdowns, with 'Input Only' and 'Full Screen' options. There's a checkbox for 'XSD Validation Required'. The 'Queue' section has 'Default Response Queue' and 'Dead Letter Queue' fields. The 'Register Response Queue Message Id' checkbox is also present. The 'External System Queues' section has a table with columns 'In Queue' and 'Response Queue'. The bottom of the screen shows a status bar with 'Fields | FTP Parameters', 'Input By' and 'Date Time', 'Authorized By' and 'Date Time', 'Modification Number', 'Authorized' and 'Open' buttons, and an 'Exit' button.

Specify the following in this screen for this integration:

External System

Specify 'FLEXCUBE' as the external system.

Refer the chapter 'The Generic Interface for Oracle FLEXCUBE' in the Generic Interface User Guide for details about maintaining external system.

2.2.2 Interface Definition

You can specify the parameters for the interface using the 'Interface Definition' screen. You can invoke this screen by typing 'GIDIFTDF' in the field at the top right corner of the Application tool bar and clicking the adjoining arrow button.

The screenshot shows the 'Interface Definition' window with various configuration fields. The 'Branch Code' section includes 'Interface Type' (set to Incoming), 'File Mask', 'CRC Algorithm', 'CRC File Mask', and 'CRC File Path'. The 'External System' section includes 'External System' (set to FLEXCUBE), 'Format Type' (set to Fixed), 'File Path', 'Data Log Required', 'Custom Logging', 'Date Format' (set to YYYYMMDD), 'No Of Executions/Day', and 'Duplication File Check Required For Current Date'. The 'Interface Code' section includes 'Defining Character', 'Confirmation File Required', 'When To Run' (set to Mandatory), 'Trigger Type' (set to Manual), 'Confirmation File Mask', and 'Confirmation File Path'. The 'Justification' section includes 'Date', 'Number', 'Text', 'Frequency Type' (set to Daily), 'Week Day', 'Month', 'Date', 'Last Run Date', and 'Next Run Date'. The 'Padding Character' section includes 'Date', 'Number', 'Text', 'Pre Message AUDF', and 'Post Message AUDF'. The 'Incoming' section includes 'Function Id', 'Processed File Mask', 'Default Action' (set to None), 'On Override' (set to Reject), 'Outgoing Interface', 'Incoming File Mask', 'Log Output', 'Suppress Start Reference', and 'Parallel Process'. The 'Parallel Process' section includes 'Parallel Process', 'No Of Records', and 'No Of Parallel Process'. The bottom section contains 'Component Details' and 'Incoming File Names' with fields for 'Input By', 'Authorized By', 'Modification Number', and 'Authorized'.

Specify the following details.

Branch Code

Specify the branch code of the Head Office.

External System

Specify 'FLEXCUBE' as the external system. You can also select this code from the option list.

Interface Code

Specify 'DBPROSA' as the interface code.

Interface Type

Select 'Outgoing' from the adjoining drop-down list

Trigger Type

Select 'Manual' from the adjoining drop-down list.

Format Type

Select 'Fixed' from the adjoining drop-down list.

Processed File Mask

Specify '\$B\$E\$I\$D\$M\$Y\$h\$m\$s\$/.I/N.'

File Path

Specify '/tmp/in (Path in FLEXCUBE DB Server to be configured).'

2.2.2.1 Specifying Components

Click the 'Component Details' button and maintain details as shown in the screen.

The screenshot shows a window titled 'Component Details'. It contains two main sections, each with a table header and an empty data area.

Component Linkage

Serial Number	Component Name	Component Type	Parent	Relation	Batch By Field	Where Clause	Pre Component AUDF	Post Component AUDF	Pre Record AUDF	Pe
---------------	----------------	----------------	--------	----------	----------------	--------------	--------------------	---------------------	-----------------	----

Component Field Linkage

Serial Number	Field Name	Field Type	Default	Data Type	Length	Column Name	Object Name	Start Position	Precision	Translation	Un Translated	Defn
---------------	------------	------------	---------	-----------	--------	-------------	-------------	----------------	-----------	-------------	---------------	------

At the bottom right of the window are 'OK' and 'Exit' buttons.

You need to maintain all details that are listed in the 'Handoff File Format' section, in this screen.

Refer the chapter 'Specifying Interface Definition Details' in the Generic Interface User Guide for details.

Refer the chapter 'Specifying Interface Definition Details' in the Generic Interface User Guide for details about maintaining external system.

2.3 Integration Process

You can trigger the upload either using a batch or on an ad-hoc basis.

This section contains the following topics:

- [Section 2.3.1, "Batch File Generation"](#)
- [Section 2.3.2, "Triggering the Interface"](#)

2.3.1 Batch File Generation

You can set up a batch to generate the credit card payment file and add it to the Automated End Of Day (AEOD) cycle. The system will consider all internal and external credit card payments in this file. If there are no credit card payments on a given day, the system will generate a blank file. If any payment gets reversed during the day, it will not be shown in the PROSA file.

This file will then be stored on a predefined path on the Oracle FLEXCUBE database server. The file will have the name '205<yyymmdd>_231' where:

205 = constant value

140515 = file generation date

_231 = file sequence number (unique sequence number starting from 100 for the day)

2.3.2 Triggering the Interface

You can also generate the PROSA file on an ad-hoc basis, using the 'Interface Trigger' screen. You can invoke this screen by typing 'GIDIFPRS' in the field at the top right corner of the Application tool bar and clicking the adjoining arrow button.

The screenshot shows the 'Interface Trigger' application window. It features a title bar with the text 'Interface Trigger'. The main content area includes several input fields: 'Branch Code *', 'Interface Code *', 'External System *', 'Interface', 'File Name', 'Physical File Name', and 'File Mask'. There are also buttons for 'File upload' and 'Process'. A 'Status' dropdown is set to 'U'. A 'Process Code' dropdown is set to 'File Processing'. At the bottom right, there is an 'Exit' button.

When you regenerate the file, the system will increment the file consecutive number by one.

Refer the section 'Invoking GI Process' in the Generic Interface User Guide for details about triggering the upload.

2.4 File Format

This section contains the following topic:

- [Section 2.4.1, "Handoff File Format"](#)

2.4.1 Handoff File Format

Header Section

Field Name	Type	Length	Mandatory	Description	Example
Record Type Code	Number	1	Yes	Hard code value '0'	0
Institution acquires Transactions	Number	2	Yes	Hard code value '33'	33
Date of information processing	Number	6	Yes	Date Contains information processing date information processing in which the sender information is SAC process in File processing date format 'DDM-MYY'	200514
Date of information processing	Number	5	Yes	Contains date information processing in which the sender information is in the SAC process with the File processing date format Julian date 'DDYY'	14014
Acquiring institution	String	3	Yes	Acronym of the institution receiving transactions. Hard code value 'ACV'	ACV
Consecutive Label	Number	3	Yes	The file will be generated multiple times in a given day. This is the file sequence number. The sequence should be reset for the day.	231
Number of Source	Number	3	Yes	Hard code value '205'	205

Field Name	Type	Length	Mandatory	Description	Example
Source of information	Number	3	Yes	Hard code value '023'	023
Reserved Value	String	84	Yes	Fill with 84 blanks	84 blank spaces

Shop Header

Field Name	Type	Length	Mandatory	Description	Example
Record Type Code	Number	1	Yes	Hard coded value '1'	1
Transaction type code	Number	2	Yes	Hard coded value '20'	20
Number that identifies the trade	Number	9	Yes	Hard coded value '000000000'	
Institution acquires dealings	Number	2	Yes	Hard coded value '33'	33
Total amount	Number	11, 2	Yes	Summary of the transaction amount (Sum of Transaction Amount)	0000003079000
Amount of Deposit	Number	13	Yes	Hard coded value '000000000000000'	0000000000000
Commission Amount plus VAT	Number	13	Yes	Hard coded value '000000000000000'	0000000000000
Number of Transactions	Number	5	Yes	Total Number of transactions	00009
Reference number	Number	10	Yes	The file will be generated multiple times in a given day. This is the file sequence number. The sequence should be reset for the day.	0000000001
Branch number	Number	5	Yes	Hard coded value '00231'	00231
Checking Account Number	Number	15	Yes	Hard coded value '0000000000000000'	000000000000000
Reserved Value	String	84	Yes	Fill with 22 blanks	22 blank spaces

Record Details

Field Name	Type	Length	Mandatory	Description	Example
Record Type Code	Number	1	Yes	Hard coded value '2'	2

Field Name	Type	Length	Mandatory	Description	Example
Cardholder Account Number	Number	16	Yes	The field contains the account number to which the cardholder performed the relevant transaction. It is left justified and padded with spaces to the right	45525502 92389598
Extension Account Number cardholder	String	3	Yes	Extension of the account number for those who are over 16 digits. If no information is padded with spaces	3 blanks
Reserved	Number	2	Yes	Hard coded value '00'	00
Number that identifies the trade	Number	9	Yes	Hard coded value '000000000'	00000000 0
Transaction type code	Number	2	Yes	Hard coded value '20'	20
Institution of the transaction Acquirer	Number	2	Yes	Hard coded value '33'	33
Total amount of the transaction	Number	11, 2	Yes	Transaction amount format (11 digits, 2 decimals)	00000000 20000
Amount of Consumption	Number	11, 2	Yes	Hard coded value '00000000000000'	00000000 00000
Reference number	String	11	Yes	Hard coded value '000000000231'	00000000 231
Reserved	String	2	Yes	Fill with 2 blanks	2 blanks
POS identification	String	2	Yes	Fill with 2 blanks	2 blanks
Input mode in POS transaction	String	2	Yes	Fill with 2 blanks	2 blanks
Authorization number	String	6	Yes	Hard coded value '045304'	045304

Field Name	Type	Length	Mandatory	Description	Example
Date of promissory	Num- ber	6	Yes	Date promissory note. Contains the date on which the client signed the promissory note in the format 'DDM-MAA' Hard code value '200514'	200514
E-commerce Token Indicator	String	1	Yes	Fill with 1 blank	1 blank
Media indicator or access type	String	2	Yes	Fill with 2 blanks	2 blanks
Datos de TRACK 2	String	1	Yes	Fill with 1 blank	1 blank
Indicator CVV/CVC	String	1	Yes	Fill with 1 blank	1 blank
Indicator UCAF / CAVV	String	1	Yes	Fill with 1 blank	1 blank
Deferred Payment Plan	String	6	Yes	Fill with 6 blanks	6 blanks
Indicator interbank payment	String	1	Yes	Hard coded value '1'	1
Reserved value fill with blank	String	2	Yes	Fill with 2 blanks	2 blanks
Data Transfer Capability (Capability Terminal)	Num- ber	1	Yes	Fill with 1 blank	1 blank
Value of Service Code Card with Chip	String	1	Yes	Fill with 1 blank	1 blank
Reserved value	String	3	Yes	Fill with 3 blanks	3 blanks

Transactional Trailer

Field Name	Type	Length	Mandatory	Description	Example
Record Type Code	Number	1	Yes	Hard coded value '4'	4
Number of transactions (A)	Number	6	Yes	Hard coded value '000000'	000000
Total amount of transactions (A)	Number	15	Yes	Hard coded value '0000000000000000'	00000000 0000000
Number of transactions (B)	Number	6	Yes	Total Number of transactions	000009
Total amount of transactions (B)	Number	15 (13 entero, 2 decimal)	Yes	Summary of the transaction amount (Sum of Transaction Amount)	00000000 3079000
Number of transactions (C)	Number	6	Yes	Hard coded value '000000'	000000
Total amount of transactions (C)	Number	15	Yes	Hard coded value '0000000000000000'	00000000 0000000
Reserved value	String	46	Yes	Fill with 46 blanks	46 blanks

Trailer

Field Name	Type	Length	Mandatory	Description	Example
Record Type Code	Number	1	Yes	Hard coded value '9'	9
Total number of charges	Number	7	Yes	Hard coded value '0000000'	0000000
Total number of credits	Number	7	Yes	Total Number of transactions	0000009
Total amount of charges	Number	17	Yes	Hard code value '0000000000000000000'	000000000 00000000

Field Name	Type	Length	Mandatory	Description	Example
Total amount of fertilizers	Number	15, 2	Yes	Summary of the transaction amount (Sum of Transaction Amount)	000000000 03079000
Reserved value	String	61	Yes	Fill with 61 blanks	61 blanks