# Oracle® Banking Origination Cloud Service FLEXCUBE Universal Banking Integration Guide



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ORACLE

Oracle Banking Origination Cloud Service FLEXCUBE Universal Banking Integration Guide, Release 14.7.5.0.0

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## Preface

#### Introduction

This guide describes the systematic instruction to integrate Oracle Banking Origination Product with oracle FLEXCUBE Universal Banking acting as the backend Product Processor.

#### Audience

This guide is primarily intended for the following user/user roles:

#### Table Audience

Role	Function				
Implementation and IT Staff	Implementation and maintenance of the software				

#### **List of Topics**

This guide is organized as follows:

#### Table List of Topics

Topics	Description
	This topic provides information on the integration of Oracle Banking Origination with OracleFLEXCUBE Universal Banking.

- Purpose (Required) <Enter a short description here.>
- Audience (Required) <Enter a short description here.>
- Documentation Accessibility
- Diversity and Inclusion
- Conventions

### Purpose

(Required) <Enter a short description here.>

This guide describes the systematic instruction to integrate Oracle Banking Origination Product with oracle FLEXCUBE Universal Banking acting as the backend Product Processor.

### Audience

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### Conventions

The following text conventions are used in this document:

Convention	Meaning
boldface	Boldface type indicates graphical user interface elements associated with an action, or terms defined in text or the glossary.
italic	Italic type indicates book titles, emphasis, or placeholder variables for which you supply particular values.
monospace	Monospace type indicates commands within a paragraph, URLs, code in examples, text that appears on the screen, or text that you enter.

# 1 Integration Guide

This topic describes about the information on integration guide for Oracle Banking Origination.

User can integrate Oracle Banking Origination with Oracle FLEXCUBE Universal Banking acting as the backend Product Processor through Oracle Banking Routing Hub. This document describes about the specific steps required for integration of these two products and specific maintenances.

This topic contains the following subtopics:

- Maintenance for Oracle FLEXCUBE Universal Banking This topic describes information about the maintenance for oracle FLEXCUBE universal Banking.
- Maintenance for Oracle Banking Origination This topic describes the systematic instructions about maintenance of oracle banking origination.
- Maintenance for Product Processor as environment variable This topic describes information about the maintenance for oracle FLEXCUBE universal Banking.

### 1.1 Maintenance for Oracle FLEXCUBE Universal Banking

This topic describes information about the maintenance for oracle FLEXCUBE universal Banking.

Gateway setup should be done in Oracle FLEXCUBE Universal Banking for particular source system (Oracle Banking Origination) by doing maintenance in the below mentioned screens.

1. CODSORCE – Upload Source Maintenance.

Upload	d Source Main	lenance				- ×
New	Copy Close	Source Description	Retail Process Managemei Base Data From FLEXCUBE System Authorization Required	Information Message Information Message Record Successfully Saved and Authorized	Qk	
	Maker Al Checker Al		Date Time: 2020-03-26 12 55:07 Date Time: 2020-03-26 12 55:08	Mod No 1	Record Status Open Authorization Status Authorized	Exit

Figure 1-1 Upload Source Maintenance

2. CODUPLDM – Upload Source Preferences Maintenance – For modules CL and ST.



Upload Source Preferences Maintenan				- >
New Copy Close Unlock Print	Enter Query			
Source Cod	e * RPM			
Module Cod	e * ST			
Error Handling		Post Upload		
On Erro	r * Reject 🛩		Status * Authorized ~	
On Overrid	e • Ignore 🛩		Purge Days	
On Repairable Exception	n Reject	C Information Message	v Deferred Processing v EOD with Deferred	
On Queue Exception	n Reject	- Information Message	bon Allowed	
		Record Successfully Saved and Authorized		
Function Id Preferences			Ok	
Maker ANILG2	Da	10 This: 2020-00-20 12:00.12 1000 100 1	record Status Open	
Checker ANILG2	Da	te Time: 2020-03-26 12:59:12	Authorization Status Authorized	Exit

Figure 1-2 Upload Source Preferences Maintenance

**3.** GWDETSYS – External System Maintenance.

Figure 1-3 External System Maintenance

External System Ma	lintenance				- 3
Save					
External System			Correlation Pattern		
	External System	• RPM	Request	Message ID 🐱	
	Description	RPM EXTERNAL SYSTEM			
Message Exchang	je Pattern		Queue		
	Request Message	Full Screen 🛩	Default Response Queue	P	
	Response Message	Full Screen 🐱	Dead Letter Queue		
		XSD Validation Required		Register Response Queue Message Id	
External System Qu	eues				
H 4 1 Of 1 > N					+ - 33
In Que	eue	Response Queue			
MDB_QUEUE	O MOR	QUEUE_RESPONS			

4. GWDETFUN – External System Functions – for below function and actions.

Table 1-1 Function IDs

Function ID	Action
STGCUSAC	NEW
STGCUSTD	NEW
STQTDSIM	VIEW
CLGACCNT	NEW
CLGSIMNT	VIEW
CLQPRMNT	VIEW
CLVPRMNT	VIEW
STQACLIC	VIEW
STQACUVL	VIEW
STVACCLS	VIEW
STGCRLIB	NEW
STQLMBAL	VIEW
STGCOLAT	NEW
STGCRLIK	NEW



External System					- >
A CONTRACTOR OF	Close Print Enter Que External System Function Action Service Name	Information Message Information Message Record Successfully S	Descrip	Non RPM EXTERNAL SYSTEM Bulk SMS Check	
Fields Mai	er ANILG2 er ANILG2	0-03-26 13 13 39 Mi	od No 1	Record Status Open Authorization Status Authorized	Exit

#### Figure 1-4 External System Functions

 SMDROLDF – Role Definition – The function ids in above TABLE 4 needs to be added to the correct role. This role needs to be mapped with Oracle FLEXCUBE Universal Banking user which is configured in the PLATO PROPERTIES table of Oracle Banking Origination.

#### Figure 1-5 Role Maintenance

Role N	laintena	ance														-	×
New	Сору	Close	Unlock	Print	Enter Q	uery											
			Role Id *	ALLRO	LES												
		Role De	scription	all roles	3												
				Cen	tralisation	Role											
Mainter	nance	Report	is   Bat	ch   (	Online	Process S	tage Rights	T	Acc Class Re	striction	I.	Branch Restriction	Rights	Web Branch	1		1
	Maker	PRANAV	2	D	ate Time:	2000-07-03	8 12:14:47		Mod No	25		Record Status	Open				
С	hecker	PRANAV	2	D	ate Time:	2000-07-03	12:14:55					Authorization Status	Authorized		5	Exit	

### 1.2 Maintenance for Oracle Banking Origination

This topic describes the systematic instructions about maintenance of oracle banking origination.

Maintain the Oracle Banking Routing Hub configuration in common core for Oracle FLEXCUBE Universal Banking.

- 1. From Home screen, click Core Maintenance. Under Core Maintenance, click Routing Hub.
- 2. Under Routing Hub, click Service Consumers.

The Service Consumers screen displays.

 Click Import and upload the RPM\_ORIGINATION\_Consumer.json file provided in the release and click Extract.



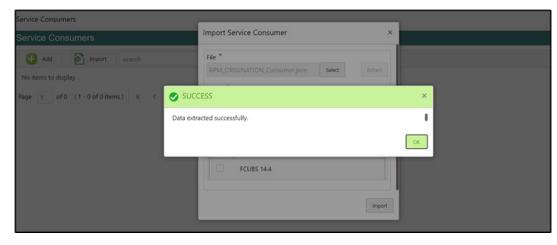


Figure 1-6 Success

4. Select FCUBS and click Import.

#### Figure 1-7 Confirmation

Service Consumers		
Service Consumers	Import Service Consumer	×
Add 🔂 Import search	File * RPM_ORIGINATION_Consumer.json Select Entract	
	VFIRMATION want to import?	× 1
	Confirm CUBS 14 A	

Figure 1-8 RPM Origination

Service Consumers		<sup>ne</sup> ×
Service Consumers		
🕂 Add 🛃 Import search	٩,	
RPM_ORIGINATION :		
Page 1 of 1 (1 - 1 of 1 items) K < 1 >	к	

- 5. Click **RPM\_ORIGINATION**.
- 6. Under **RPM\_ORIGINATION**, click **FCUBS**.



I_ORIGINATION		
e Providers Consumer Services	;	
Add search	0,	
UBS	:	
rsion 14.4 pe INTERNAL tus ACTIVE		

#### Figure 1-9 RPM Origination

Figure 1-10 RPM Origination

Service Consumers					,	," ×
RPM_ORIGINATION > Service	Providers > FCUBS 14.4					
Implementation						
🕂 Add 🛃 Import Search	٩					
Actions Name	Description	Service Name	Host	Port	Queue	
E TD_Default	FCUBS TD account		100.76.140.48	7005		
View	Default Implementation		100.76.140.48	7003		
Pay Edit of 2 items ) K	К (1) ж					
Delete						
Export						
Request Audit						

- 7. Click Edit.
- 8. Change the host and port as per the Oracle FLEXCUBE Universal Banking installation and save it.

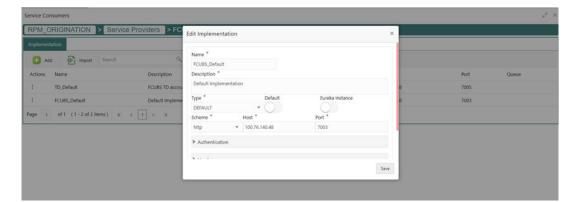


Figure 1-11 Edit Implementation

9. Repeat the same for all the FCUBS Service Providers.

The below consumer services will be imported.



Consumer Service	Description
Collateral_Creation	Usage: Create Local Collateral
	Service: FCUBSCoreService
	Operation: CreateLocalCollateral
Liability_Creation	Usage: Create Liability
	Service: FCUBSCoreentitiesService
	Operation: CreateLiability
Customer_Liability_Linkage	Usage: Create Customer Liability
	Service: FCUBSCoreentitiesService
	Operation: CreateCustomerLiab
CASA_Account_Creation	Usage: Create CASA Account
	Service: FCUBSAccService
	Operation: CreateCustAcc
Loan_Simulation	Usage: Perform Loan Account Simulation
	Service: FCUBSCLService
	Operation: CreateAccountSim
TD_Simulation	Usage: Perform Term Deposit Account Simulation
	Service: FCUBSAccService
	Operation: QueryTDCustAccSim
Get_Liability_Interest_Detail	Usage: Fetch Liability Interest and Charge Details
S	Service: FCUBSSTService
	Operation: QueryAccClasUde
Get_Liability_Product_Detail	Usage: Fetch Liability Product Details
S	Service: FCUBSSTService
	Operation: QueryAccClasQuery
Get_Loan_Product_Details	Usage: Fetch Loan Product Details
	Service: FCUBSCLService
	Operation: QueryProduct
List_All_Loan_Products	Usage: List Loan Products
	Service: FCUBSCLService
	Operation: SummaryQueryProduct
List_All_Liability_Products	Usage: List Liability Products
	Service: FCUBSSTService
	Operation: SummaryQueryAccClasMaint
TD_Account_Creation	Usage: Create Term Deposit Account Creation
	Service: FCUBSAccService
	Operation: CreateTDCustAcc
Loan_Account_Creation	Usage: Create Loan Account Creation
	Service: FCUBSCLService
	Operation: CreateAccount
Get_Customer_Liability_Det	Usage: Fetch Customer Limit Details
ails	Service: FCUBSSTService
	Operation: QuerySTCustLimitDet
Get_Liability_Details	Usage: Fetch Liability Details
_ ,	Service: FCUBSCoreentitiesService
	Operation: QueryLiability

 Table 1-2
 List of Consumer Service



Consumer Service	Description
fetchTDAccount	<b>Usage:</b> Fetch TD accounts which are tagged as "Collateral Linkage", for a particular customer number. This will be used for attaching TD accounts as collaterals in Oracle Banking Origination screens
	Service: fcubs-co-mo-lov-service
	<b>Note:</b> Make sure that the above service is deployed in FCUBS. Also make sure that the following INC which is released as part of FCUBS is present in CSTB_LOV_INFO table.

Table 1-2 (Cont.) List of Consumer Service

### 1.3 Maintenance for Product Processor as environment variable

This topic describes information about the maintenance for oracle FLEXCUBE universal Banking.

Gateway setup should be done in Oracle FLEXCUBE Universal Banking for particular source system (Oracle Banking Origination) by doing maintenance in the below mentioned screens.

- 1. From Home screen, click Core Maintenance. Under Core Maintenance, click Routing Hub.
- 2. Under Routing Hub, click Service Consumers.
- 3. Click Edit.

4. Under Environment Variables, add **ASSETS** as new group.

Service Consume	rs					1 1
Add 📑 Import	Search	Edit Service Consumer Name		Audit Type	×	
M_ORIGINATION	:	RPM_ORIGINATION		Service level configuration	•	
age 1	of 1 (1-	<ul> <li>Environment Variables</li> </ul>			_	
-B-		🗋 Add 🔻 🚺 Edit	Delete			
		Group	•		1.2	
		Actions	Name	Value	1000	
		No data to display.				
					Save	
					- 10 M	

Figure 1-13 Add Group

5. Add PP as new variable, FCUBS as value and save it.

Figure 1-14 Add Variable

Servio	e Consume	rs									;; ×
D: Add	D: Import	Searc	h	Edit Service Co Name	nsumer		Audit Type		×	_	
RPM_ORIG	INATION	:		RPM_ORIGIN	ATION		Service level configu	uration	•		
			l care and	✓ Environme	nt Variables						
Page 1			of 1 (1-	🗋 Add 🔻	Co Edit	E Dele	te				
				Group							
				ASSETS		•					
				Actions N	ame		Value				
				: P	P		RDDA				
								Sav	/e		

- 6. Follow below steps for all consumer services mentioned in point number 10 of 2.2 section.
  - a. Search List\_All\_Liability\_Products.
  - b. Click Edit.
  - c. Add Product\_Processor as new attribute, add json path and save it.



Figure 1-15	Add Attribute
-------------	---------------

		March 30, 2018
Service Consumers	Edit Service >	;; ×
RPM_ORIGINATION Service Providers Consumer Services	List_All_Liability_Products	
Service Providers Consumer Services	Audit	
Ct Add Ct Import List_All_Liability	● Yes O No	
Actions Name	Applicable if the Audit type at Service Consumer' is 'Service level configuration' Description	
: List_All_Lia	To get All Liability Products	
Page 1 of 1 (		
	D: Add	
	Actions Attribute Name json path	
	Product_Processor \$.env.ASSETS.PP	
	Save	

- d. Click on List\_All\_Liability\_Products Consumer service.
- e. Click on Routing.
- f. Click on Edit for List\_All\_Liability\_Products\_Route\_RDDA route.
- g. Click on Custom Rule. Click on Expression Editor.
- h. Add Product\_Processor as attribute (point 8.c) & "FCUBS" as value(point 5). Save it.

Figure 1-16 Expression Editor

ervice Consume	Expression Editor			×	11 2
I_ORIGINATION > (				×	
Add Search	Attribute Product_Processor	Operator     ==	Value		
no Search	Condition Type				
List_All_Liability		suired		y - /v	web/v1/accountcla
•				_	
				Save	

Service Consumers	Edit Route Name	Start/Stop	×	;; ×
RPM_ORIGINATION > Consumer Service	List_All_Liability_Products_Route_RI	START STOP		
Transformation Routing	Auto Shutdown			
Actions Name	○ Default Rule		- 1	Service
List_All_Liability_Products_Route_RI	( Product_Processor == "RDDA" )		ss	getSummary - /web/v1/accountclass
Page 1 of 1 (	Expression Editor			
	<ul> <li>Transformations</li> </ul>		_	
			Save	

Figure 1-17 Saved Expression

i. Save it.

Figure 1-18 Saved route

Service Consumers						;; ×	
RPM_ORI	GINATION > Consumer Services >	List_All_Liabil	lity_Products				
Transforma	tion Routing						
D Add	Search Q						
Actions	Name	Start/Stop	Rule	Product Processor	Implementation	Service	
:	List_All_Liability_Products_Route_RDDA		( Product_Processor == "RDDA" )	RDDA 14.5	ACCOUNT_CLASS	getSummary - /web/v1/accountclass	
Page	1 of 1 (1-1 of	1 items) IC	< 1 → >I				



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