

Oracle Banking Party Configurations User Guide

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Party Configurations User Guide

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1 Preface

1.1 Introduction

This guide provides step-by-step instructions for Configuration Maintenance in Oracle Banking Party.

1.2 Audience

The user guide is intended for

1. Implementation team for Day Zero Maintenance of configuration in Oracle Banking Party
2. Bank's Team responsible for Maintenance of configurations in Oracle Banking Party as part of sustenance process

1.3 Document 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 Acronyms and Abbreviations

The list of the acronyms and abbreviations that you are likely to find in the guide are as follows:

Table 1: Acronyms Table

Abbreviation	Description
PII	Personally Identifiable Information

1.5 List of Topics

This guide is organized as follows:

Table 2: List of Topics

Topics	Description
Configuration Maintenance	This topic provides an overview of the Configuration Maintenance in Oracle Banking Party and covers the actions to be performed during Configuration Maintenance
List of Glossary	This topic displays the list of main screens in the document along with its reference.

1.6 Related Documents






The related documents are as follows:

1. Getting Started User Guide
2. Oracle Banking Common Core User Guide
3. Oracle Banking Security Management System User Guide

1.7 Symbols and Icons

The following are the symbols/icons you are likely to find in this guide:

Table 3: Symbols and Icons

Symbol	Description
→	Represents Results
	Add icon
	Edit icon
	Delete icon
	Calendar icon
	Close icon

1.8 Basic Actions

Most of the screens contain buttons to perform all or few of the basic actions. The table below gives a snapshot of them:

Table 4: Basic Actions

Action	Description
Cancel	On click of Cancel, the system will ask for confirmation and on confirming the task will be closed without saving the data.
Next	On click of Next, the details of the captured will be saved and then system will move to the next screen. If mandatory fields have not been captured, system will display error until the mandatory fields have been captured. If mandatory fields have not been captured, system will display error until the mandatory fields have been captured.
Back	On click of Back, the details of the captured will be saved and then system will move to the previous screen.
Save & Close	On click of Save & Close, the captured details will be saved. If mandatory fields have not been captured, system will display error until the mandatory fields are captured.

2 Configurations

Configurations Maintenance is a process to setup and prepare to build application for end-user user. Configurations are commonly done as per the client and end-user requirements.

This topic contains the following sub-topics:

- [2.1 Customer Access Group](#)
- [2.2 PII Masking Maintenance](#)
- [2.3 Entity Maintenance](#)
- [2.4 Location Maintenance](#)
- [2.5 Mask Maintenance](#)

Prerequisites:

Specify **User Id** and **Password**, and login to **Home screen**.

Refer to **Getting Started User Guide** for the login procedure.

2.1 Customer Access Group

Customer access group functionality is part of privacy by design requirements. Customer access group will restrict unauthorized access by the users to details of customers within specific customer access groups such as High Net Worth, Sensitive etc.

Customer Access Group Configuration

Step 1 – Create Customer Access Group (Core Maintenance)

Step 2 – Map Customer Access Group/s to User/s (SMS User Maintenance)

During Party Onboarding and Amendment process, based on the configuration, customer access group can be assigned updated by users.

Customer Access Group is applicable for all customer types – Retail, Small and Medium Business (SMB), Small and Medium Enterprise (SME), Corporate, Financial Institutions (FI).

Example of Customer Access Group

- Access Groups: AccessGroup_1, AccessGroup_2,
- User: USER1, USER2
- Customers: CUST11, CUST12, CUST13, CUST21, CUST22, CUST23, CUST31, CUST32 & CUST33

Mapping of User and Access Group Restriction and Customer belongs to Access Group as below.

USER1	USER2	USER3 & USER4
AccessGroup_1	AccessGroup_2 AccessGroup_3	AccessGroup_3
AccessGroup_1	AccessGroup_2	AccessGroup_3
CUST11	CUST21	CUST31
CUST12	CUST22	CUST32
CUST13	CUST23	CUST33

- USER1 will be able to access customer belonging to AccessGroup_1 only. User will not be able to query CUST21, since CUST21 belongs to AccessGroup_2 which is not allowed for user USER1.
- USER2 will be able to access customer belonging to AccessGroup_2 and AccessGroup_3. User will not be able to access CUST12 belongs to AccessGroup_1 which is not allowed for this user.
- USER3 & USER4 both will be able to access customer belonging to AccessGroup_3 only. User will not be able to access Cust11 or Cust21, belongs to AccessGroup_1 & AccessGroup_2 which is not allowed for this user.

NOTE: Customer access group is applicable for stakeholders also. A user will not be able to access details of a stakeholder linked to a party, if user does not have access to customer access group of the linked stakeholder.

For more details, refer to **Oracle Banking Common Core User Guide** and **Oracle Banking Security Management System User Guide**.

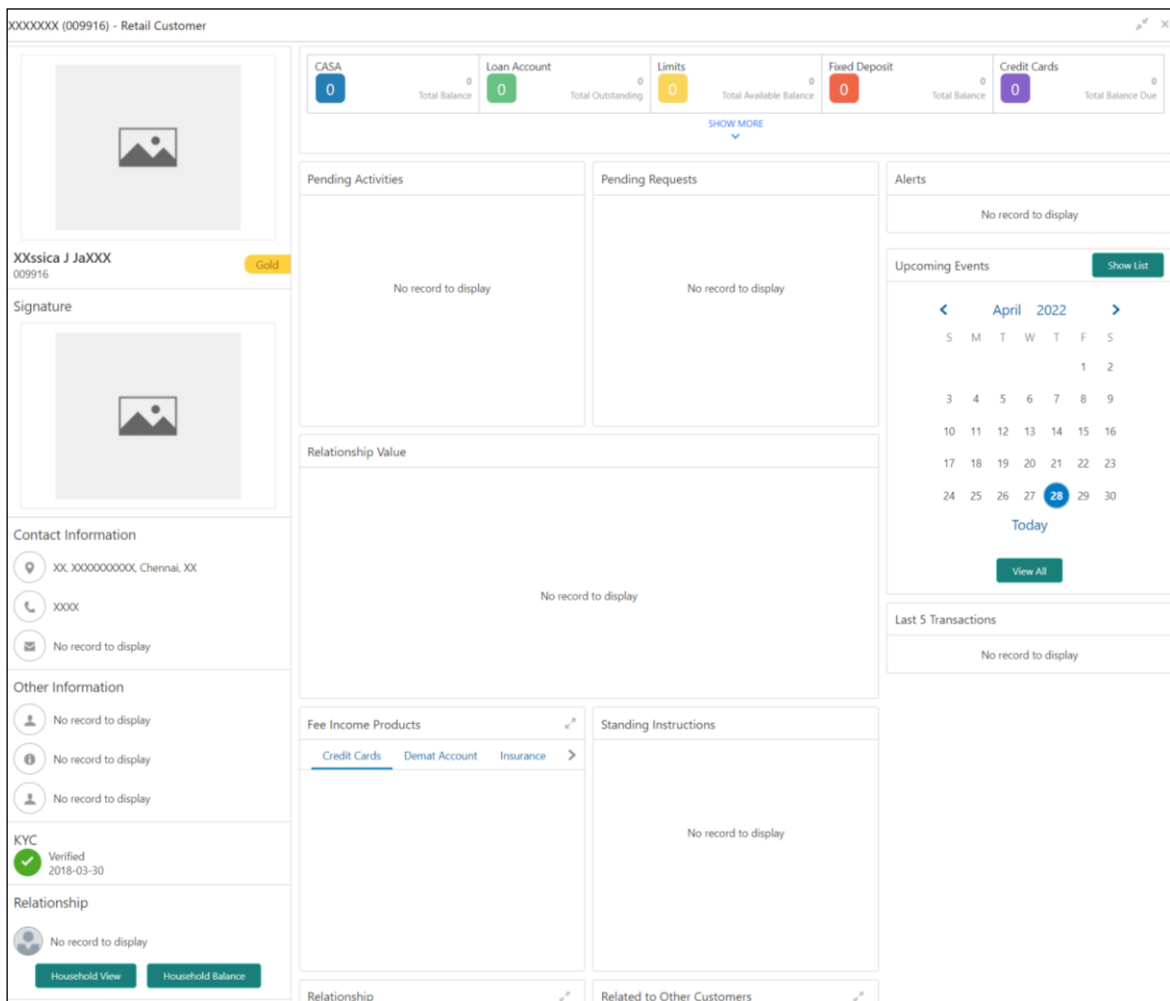
2.2 PII Masking Maintenance

Personally Identifiable Information (PII) Masking requirements is part of privacy by design requirements. PII functionality is to restrict unauthorized access by the users to personal information of customer by masking the PII information.

PII Information masking will be as follows

- **PII access is enabled for the user** – PII information will be visible to the user.
- **PII access is disabled for the user** – PII information will be visible as masked information as per defined masks

Figure 1: Sample Masked Information



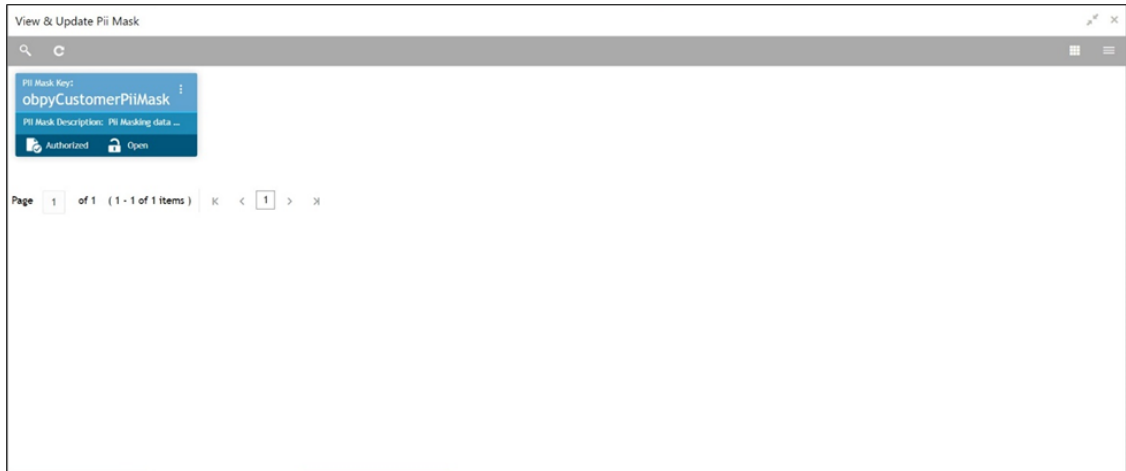
Refer to **Oracle Banking Security Management System User Guide** for more details on enabling and disabling PII access for the user.

To Initiate PII Mask Management Configuration

1. On **Home** screen, click **Party Services**. Under **Party Services**, click **Maintenance**.
2. Under **Maintenance**, click **PII Mask**. Under **PII Mask**, click **View and Update PII Mask**.

→ The **View and Update PII Mask** screen is displayed.

Figure 2: View and Update PII Mask



3. Click **Unlock**.

→ The **Create PII Mask** screen is displayed.

Figure 3: Create PII Mask

Attribute Name	Data Type	Data Length	Mask Enable	Mask Character	Mask Entire Field	First N Characters	Last N Characters	Action
Title	String	36	N	X	Y	0	0	
First Name	String	255	Y	X	N	2	1	
Middle Name	String	255	Y	X	Y	0	0	
Last Name	String	255	Y	X	N	1	0	
Short Name	String	36	Y	X	Y	0	0	
Maiden Name	String	255	Y	X	Y	0	0	
Name In Local Language	String	255	N	X	Y	0	0	
Date of Birth	Date		Y	1970-01-01	Y			
Gender	String	255	Y	X	Y	0	0	

4. On **Create PII Mask** screen, select **PII Group**.

For more information on fields, refer to the field description table below.

Table 5: Create PII Mask – Field Description

Field	Description
PII Group	Select the Logical grouping of PII Fields in the dropdown list. The available values are <ul style="list-style-type: none"> • Basic Details • Address and Contact • ISO Contact • KYC Check • Signature • Address and Contact Host

5. The List of PII fields will be available in table structure as per selected **PII group**.
6. Click **Action** button for configuring Mask for each individual PII field.
→ The **Edit PII Masking** screen is displayed.

Figure 4: Edit PII Masking

The screenshot shows a window titled "Edit PII Masking" with a close button (X) in the top right corner. The window contains the following configuration options:

- Attribute Name:** Title
- Data Type:** String
- Data Length:** 36
- Mask Enable:** A toggle switch that is currently turned off (grey).
- Mask Character:** X
- Mask Entire Field:** A toggle switch that is currently turned on (blue).
- First N Characters:** A numeric input field with up and down arrows, set to 0.
- Last N Characters:** A numeric input field with up and down arrows, set to 0.

At the bottom right of the window, there are two buttons: "Update" and "Cancel".

7. On **Edit PII Masking** screen, specify the required details in the respective fields and click **Update**.

For more information on fields, refer to the field description table below.

Table 6: Edit PII Masking – Field Description

Field	Description
Attribute Name	Displays the attribute name based on the selected PII field
Data Type	Displays the PII field data type (such as String, Date etc.) based on selected attribute.
Data Length	Displays the PII field length based on selected Attribute
Mask Enable	<p>Select the toggle to identify whether the masking is enabled or disabled for the field.</p> <p>If Mask Enable toggle is ON, the field will be displayed as masked to unauthorized users.</p> <p>If Mask Enable toggle is set as OFF, the field will display without masking to all users.</p>
Mask Characters	Displays the masking character to display, if masking is enabled for PII field.
Mask Entire Field	Select the toggle to identify whether the complete field is masked or not.
First N Character	Specify the number of characters masked from the first character of the field.
Last N Character	Specify the number of characters masked from last character of the field.

NOTE: If the **First N Character** and **Last N Character** are overlapping, then the entire field will be masked.

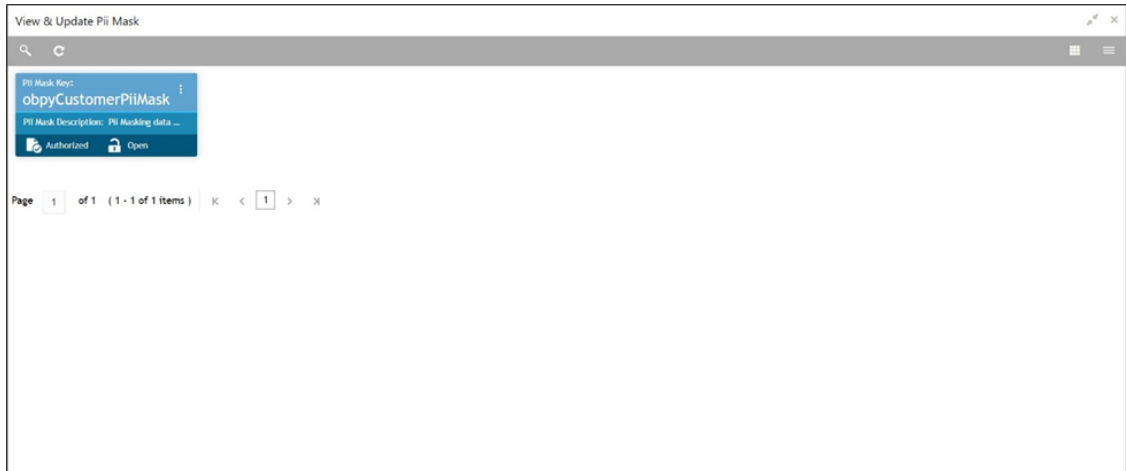
- Click **Save** after completing masking configuration for all required PII fields.

Once the record is authorized by the checker,

9. On **Home** screen, click **Party Services**. Under **Party Services**, click **Maintenance**.
10. Under **Maintenance**, click **PII Mask**. Under **PII Mask**, click **View and Update PII Mask**.

→ The **View and Update PII Mask** screen is displayed.

Figure 5: View and Update PII Mask



11. Click **View** to view the defined PII masking.

→ The **View Mask** screen is displayed.

Figure 6: View Mask

Attribute Name	Data Type	Data Length	Mask Enable	Mask Character	Mask Entire Field	First N Characters	Last N Characters
Title	String	36	N	X	Y	0	0
First Name	String	255	Y	X	N	2	1
Middle Name	String	255	Y	X	Y	0	0
Last Name	String	255	Y	X	N	1	0
Short Name	String	36	Y	X	Y	0	0
Maiden Name	String	255	Y	X	Y	0	0
Name In Local Language	String	255	N	X	Y	0	0
Date of Birth	Date		Y	1970-01-01	Y		
Gender	String	255	Y	X	Y	0	0
Marital Status	String	255	N	X	Y	0	0
Unique ID	String	36	Y	X	Y	0	0
Birth Country	String	255	Y	X	Y	0	0
Nationality	String	255	N	X	Y	0	0
Citizenship by	String	255	N	X	Y	0	0
Resident Status	String	255	N	X	Y	0	0
Country of residence	String	255	N	X	Y	0	0
Location	String	255	N	X	Y	0	0
Preferred Language	String	255	N	X	Y	0	0

2.3 Entity Maintenance

Entity Maintenance enables the user to easily configure and maintain entity codes used in system from UI screen rather than inserting it in Database. Using Entity Maintenance user will be able to

- Add, Delete and Modify entity codes
- Add, Delete, Modify sub-entity codes for each of the entity codes

To initiate Entity Maintenance

1. From **Home** screen, click **Party Services**. Under **Party Services**, click **Maintenance**.
2. Under **Maintenance**, click **Entity**. Under **Entity**, click **Create Entity**.

→ The **Create Entity** screen is displayed.

Figure 7: Create Entity


3. On **Create Entity** screen, specify the following attributes.

For more information on fields, refer to the field description table below.

Table 7: Create Entity – Field Description

Field	Description
Entity Code	Specify the entity code to be define with the list of drop-down values.
Entity Description	Specify the description of the entity code.
Sub Entity Code	Specify the Sub Entity Code for the selected Entity Code.

Field	Description
Sub Entity Description	Specify the description of Sub Entity Code.

4. Click  button to add Sub-entities for Entity Code.

5. Click **Save**.

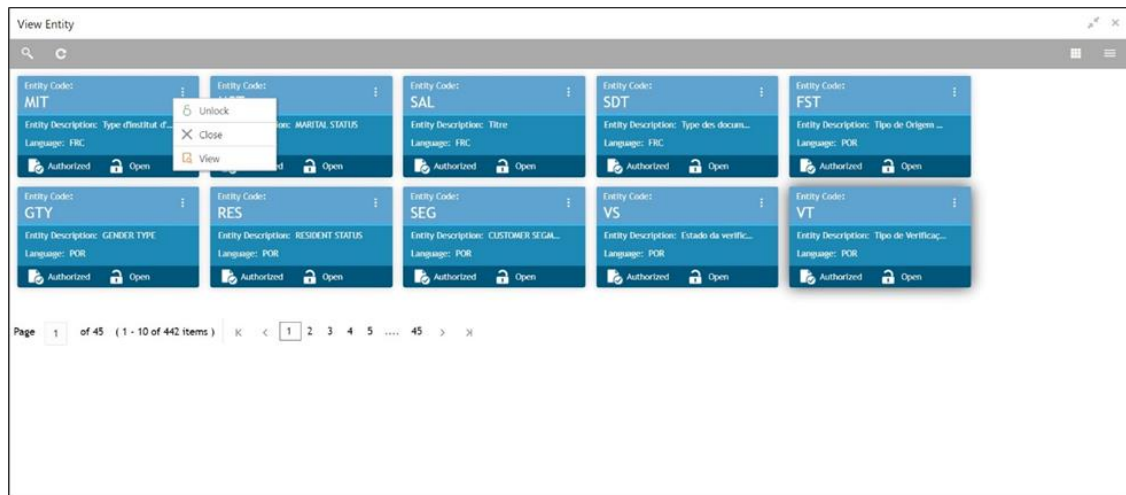
Once the record is authorized by the checker,

6. On **Home screen**, click **Party Services**. Under **Party Services**, click **Maintenance**.

7. Under **Maintenance**, click **Entity**. Under **Entity**, click **View Entity**.

→ The **View Entity** screen is displayed.

Figure 8: View Entity



2.4 Location Maintenance

Location Maintenance enables the user to add, delete and modify Location Codes. Location Codes can be captured during party onboarding and amendment process to identify precise location of the customer. Location codes can be specific definition of locations within a specified area by the financial institutions.

To Initiate Location Maintenance

1. From **Home screen**, click **Party Services**. Under **Party Services**, click **Maintenance**.
2. Under **Maintenance**, click **Location**. Under **Location**, click **Create Location**.

→ The **Create Location** screen is displayed.

Figure 9: Create Location

3. On **Create Location** screen, specify the following attributes.

For more information on fields, refer to the field description table below.

Table 8: Create Location – Field Description

Field	Description
Location Code	Specify the specific location code, which can be selected during Party onboarding and amendment process.
Location Description	Specify the description of the location code.

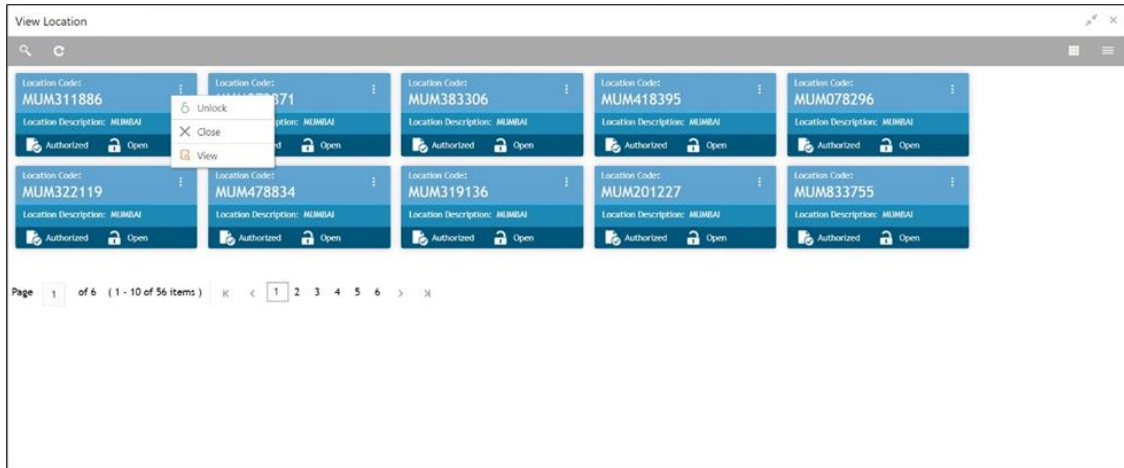
4. Click **Save** to save the location code.

Once the record is authorized by the checker,

5. On **Home** screen, click **Party Services**. Under **Party Services**, click **Maintenance**.
6. Under **Maintenance**, click **Location**. Under **Location**, click **View Location**.

→ The **View Location** screen is displayed.

Figure 10: View Location



2.5 Mask Maintenance

Mask Maintenance enables the user to create a mask for defining the Party Id format.

NOTE: If no Mask Maintenance is configured, the default party id will be generated as

“YYJJSSSS” wherein,

YY – Current Year

JJJ – Julian Date of current year

SSSS – Sequence Number

To Initiate Mask Code Maintenance

1. From **Home screen**, click **Party Services**. Under **Party Services**, click **Maintenance**.
2. Under **Maintenance**, click **Mask**. Under **Mask**, click **Create Mask**.

→ The **Create Mask** screen is displayed.

Figure 11: Create Mask

3. On **Create Mask** screen, specify the following attributes.

For more information on fields, refer to the field description table below.

Table 9: Create Mask – Field Description

Field	Description
Mask Type	Select the mask type as Party Id from the dropdown list.
Component	Displays the attribute name added from the list.

Field	Description
Mask	<p>Specify the total length of the mask, which is the sum of length of all the attributes in the mask cannot exceed 36 characters.</p> <p>If no mask is defined, a default mask – PTYddddsss is applicable which includes:</p> <ol style="list-style-type: none"> a. Prefix with values PTY b. Julian Date (dddd) c. Sequence Number (sss) of length 4 characters
Delete	Click this icon to delete the added parameter

4. Click **Add** to add the parameters for the Party Id Mask.
5. Add the following attributes:
 - a. Prefix Code (PTY) – a prefix that can be attached to the party id. This attribute is optional and editable.
 - b. Branch Code (bbb) – The branch code of the user logged in branch. This attribute is optional and non-editable.
 - c. Julian Date (dddd) – The Julian date in YYDDD format on which the party is being onboarded. This attribute is optional and non-editable.
 - d. Sequence Number (sss) – A sequence number that can be appended to the party id. The system will generate the sequence number based on the length defined in the mask. This attribute is mandatory and editable.
6. Click **Save** to save the party id mask.

Once the record is authorized by the checker,

7. On **Home** screen, click **Party Services**. Under **Party Services**, click **Maintenance**.
8. Under **Maintenance**, click **Mask Management**. Under **Mask Management**, click **View Mask**.

→ The **View Mask** screen is displayed.

Figure 12: View Mask



2.6 Organization Maintenance

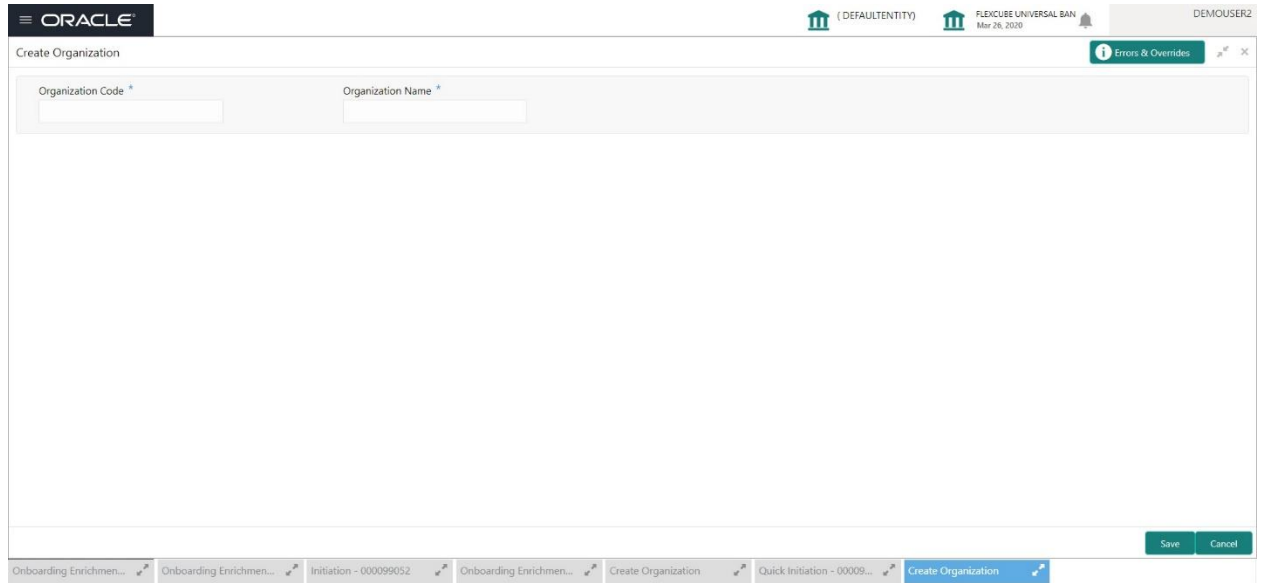
Organization Maintenance functionality allows user to add, delete and modify Organizations Codes and respective description of the Organization.

To Initiate Organization Maintenance

1. From **Home** screen, click **Party Services**. Under **Party Services**, click **Maintenance**.
2. Under **Maintenance**, click **Organization**. Under **Organization**, click **Create Organization**.

→ The **Create Organization** screen is displayed.

Figure 13: View Mask



3. On **Create Organization** screen, specify the following attributes.

For more information on fields, refer to the field description table below.

Table 10: Create Organization – Field Description

Field	Description
Organization Code	Specify the specific Organization code, which can be selected during Party onboarding and amendment process.
Organization Name	Specify the name of the organization

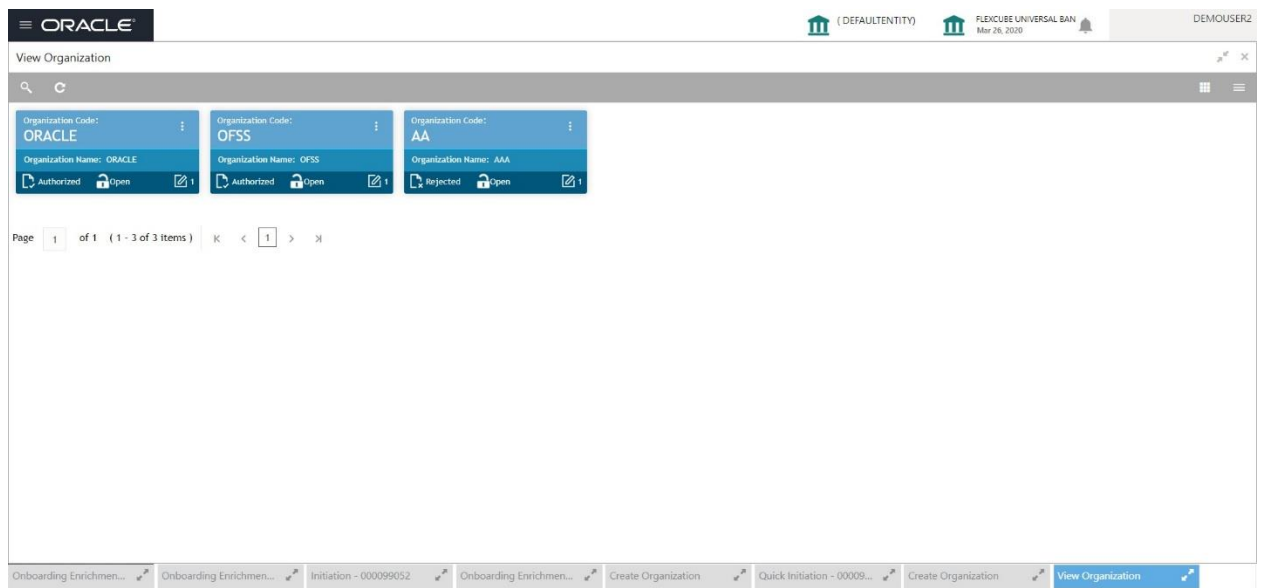
4. Click **Save** to save the Organization code.

Once the record is authorized by the checker,

5. From **Home** screen, click **Party Services**.
6. Under **Party Services**, click **Maintenance**.
7. Under **Maintenance**, click **Organization**. Under **Organization**, click **View Organization**.

→ The **View Organization** screen is displayed.

Figure 14: View Mask



Note: A records can be Rejected by Authorizer for certain reasons. In such cases, maintenance will be available to maker for updates and subsequent approval by authorizer. For more information, see <Getting Started User Guide>

2.7 Minor Age Configuration

Minor Age is configured in the OBPY_PROPERTIES where KEY is MINOR_AGE_CRITERIA.

During Party Onboarding and Amendment, a customer is determined as a Minor based on the Minor Age Criteria Configuration

Figure 15: OBPY_PROPERTIES

The screenshot shows the Oracle SQL Developer interface with a query executed: `select * from OBPY_PROPERTIES where KEY = 'MINOR_AGE_CRITERIA';`. The query result is displayed in a table with 31 rows. The row for 'MINOR_AGE_CRITERIA' is highlighted in blue.

ID	APPLICATION	KEY	VALUE
1	obpy-party-services	CHANNEL_CONFIGURATION_REQUIRED	FALSE
6	12 obpy-party-services	STP_FLAG	true
7	13 obpy-party-kyc-services	BANK_MANDATORY_KYCS	IDVR ADVR
8	14 obpy-party-kyc-services	BANK_KYC_VALID_IN_MONTHS	24
9	1 obpy-party-services	REOB_ADDITIONAL_FIELDS_UIKEY	fsgbu-ob-cmn-ds-additional-fields@OBPY_REOB_BASIC_ENRH fsgbu-ob-cmn-ds-addition
10	2 obpy-party-services	SYNC_REQUIRED	true
11	3 obpy-party-handoff-services	modify_source_operation	ModifyCustomer
12	4 obpy-party-handoff-services	modify_module_id	ST
13	15 obpy-party-handoff-services	CMC_REPLICATION_REQUIRE	true
14	16 obpy-party-handoff-services	REOB_ADDITIONAL_FIELDS_UIKEY	fsgbu-ob-cmn-ds-additional-fields@OBPY_REOB_BASIC_ENRH fsgbu-ob-cmn-ds-addition
15	18 obpy-party-services	PARTY_MASTER	C
16	17 obpy-party-corporate-view-services	IS_DEV_ENV	true
17	29 obpy-party-handoff-services	externalUserId	SYSTEM
18	30 obpy-party-handoff-services	externalSource	OBPY
19	25 obpy-party-handoff-services	HOST_HANDOFF_REQUIRED	true
20	26 obpy-party-handoff-services	AUTO_GENERATE_CIFID	false
21	10000 obpy-party-services	MINOR_CUSTOMER_BATCH_SIZE	100
22	19 obpy-party-services	RE_KYC_SKIP_DATES	1
23	20 obpy-party-services	LIMITED_KYC_SKIP_DATES	1
24	21 obpy-party-services	LIMITED_KYC_VALIDITY_PERIOD	30
25	22 obpy-party-services	LIMITED_KYC_INITIATE_ALERT_PERIOD	15
26	23 obpy-party-kyc-services	DAYS_BEFORE_ALERT_IS_SENT	15
27	24 obpy-party-kyc-services	RE_KYC_SKIP_DATES	1
28	31 obpy-party-services	MINOR_AGE_CRITERIA	40
29	9999 obpy-party-services	STAKE_CONFIG_DATA	true
30	27 obpy-party-services	PFT_MARKING_PARTY_TYPES	I18
31	28 obpy-party-services	BANK_MANDATORY_KYCS	IDVR ADVR

2.8 Service Level Agreements (SLA)

Service Level Agreements (SLA) is an important aspect of banking services from the customer and internal bank policy perspectives. Bank would like to maintain and adhere to SLA's during various operations and stages within banking processes. The SLA functionality is designed to provide the expected completion times for all the tasks/processes configured for SLA.

Service Level Agreement is provided as Plato framework. For more details about the Plato framework, refer

<https://confluence.oraclecorp.com/confluence/pages/viewpage.action?spaceKey=BLA&title=SLA+Framework>

2.8.1 Setting up Service Level Agreements

2.8.1.1 OBRH Configurations

1. Import below json in Service Consumers to set up the obrh service for cmc-sla-service to fetch business product codes for a given product code.



- Set up service provider for OBPY with default implementation as below

Figure 16: Service Consumers

Actions	Name	Description	Service Name	Host	Port	Queue
:	OBPY_Default	Default Implementation	OBPY-BUSINESSPROCESS-SERVICES			

- In Consumer Services, add below routing

Figure 17: Consumer Services

Actions	Name	Status	Product Processor	Implementation	Service
:	OFLO	ACTIVE	OFLO 14.5	OFLO_Default	getAll - /businessprocess
:	OBPY	ACTIVE	OBPY 14.5	OBPY_Default	getAll - /obpy-businessprocess-services/businessprocess?includecloseandunauth=true
:	getBusinessProcessCode	ACTIVE	OBTFPM 14.4	OBTFPM_Default	getAll - /business-process-service/businessprocess

- A parameter needs to be maintained in server start parameters for enabling SLA functionality: `-Dplato.orchestrator.enableSLA=true`. Same parameter also needs to be checked in PROPERTIES table in PLATO schema.

2.8.1.2 Core Maintenance

After OBRH configuration, Core maintenance should be setup for SLA

To Initiate the Core Maintenance

- From **Home** screen, click **Core Maintenance**.
- Under **Core Maintenance**, click **SLA Maintenance**
- Under **SLA Maintenance**, Click **Create SLA**.
→ The **Create SLA** screen is displayed.

Figure 18: Create SLA

4. On **Create SLA** screen, specify the following attributes.

For more information on fields, refer to the field description table below.

Table 11: Create SLA – Field Description

Field	Description
Product/Application Code	Select Product or Application Code as “OBPY”
Product/Application Name	System should display the name of the Product/Application
Business Process Code	Select the Business Process Code for which the SLA maintenance needs to be maintained.
Business Process Name	The Business Process name pertaining to the Business Process code selected is defaulted.
Branch Code	Select the branch code for which SLA maintenance needs to be maintained. User can also select “All” as a value which will enable the SLA to be applicable for all branches in the bank.
Branch Name	The branch name pertaining to the branch code selected is defaulted.

Field	Description
Branch Time	System to populate the branch working hours
Version	On creating/updating the screen, system will default the version number
Hold Time	Select checkbox if hold time is to be considered for SLA calculation.
Branch Holidays	Select checkbox if branch holidays is to be considered for SLA calculation
Currency Holidays	Select checkbox if currency holidays is to be considered for SLA calculation
Customer Clarification	Select checkbox if Customer Clarification items is t to be considered for SLA calculation
Off-Branch Time Transactions	Select checkbox if SLA should be calculated after branch hours.

5. To Calculate the **SLA setup**, specify the following attributes.

Table 12: SLA Setup – Field Description

Field	Description
Stage Name	On selection of the process code, the various stages available for the process will be defaulted
Stage ID	System to default the stage ID based on the stage name.
Parallel Stage	System to default the parallel stage details

Field	Description
Time in	<p>Select from dropdown values as “Mins” or “Days-Hr-Mins”</p> <p>If “Days-Hr-Mins” is selected, system will display a pop-up UI for input of the Stage SLA in Days/Hours/Minutes combination. System will convert this into minutes and display in the respective field.</p> <p>If “Mins” is selected, user can directly input the SLA in Minutes.</p>
Low Priority - Offline	Update SLA time for Low Priority Offline Applications
Low Priority - Online	Update SLA time for Low Priority Online Applications System will validate that the time in minutes is not more than value input for offline.
Medium Priority - Offline	User can input the SLA time in minutes. System to validate the time in minutes is not more than value for Low Priority.
Medium Priority - Online	User can input the SLA time in minutes. System to validate that the time in minutes is not more than value input for offline. System to validate the time in minutes is not more than value for Low Priority.
High Priority - Offline	User can input the SLA time in minutes. System to validate the time in minutes is not more than value for Medium Priority.
High Priority - Online	User can input the SLA time in minutes. System to validate that the time in minutes is not more than value input for offline. System to validate the time in minutes is not more than value for Medium Priority.
Breach SLA Time	User can input the SLA Breach Alert time in minutes for the Stage. This will indicate the minutes before which a user needs to be alerted for likely SLA breach for the stage. This is the same for all the different priority combinations for a stage irrespective of the individual SLA times.

Field	Description
SLA Required	This toggle indicates whether SLA calculation is required for this stage. By Default, the toggle should be set to Yes. User can change the value to No. If the toggle is changed to No, user input should be disabled and the SLA values for the stage should be blank.
Total SLA	System to populate the value based on the sum of stage SLA.
SLA Near Breach Alert Time (in Minutes)	Minutes before which an impending SLA breach is to be notified to the user. User can input the minutes here. System to validate that this is not more than the SLA in minutes.

6. Click **Calculate** to create the SLA's and calculate the overall SLA for the workflow and populate the total SLA's.
7. Click **Save** to save SLA Details.

Once the record is authorized by the checker,

1. From **Home** screen, Click **Core Maintenance**.
2. Under **Core Maintenance**, Click **SLA Maintenance**.
3. Under **SLA Maintenance**, Click **View SLA**.

Figure 19: View SLA



2.8.1.3 Branch Working Time Setup

For Branch Working Time setup, add entries into CMC_TM_BRN_WORKHOURS_MASTER and CMC_TM_BRN_WORKHOURS_DET in CMCORE schema tables for SLA calculation as below

CMC_TM_BRN_WORKHOURS_MASTER

ID	BRANCH_CODE	RECORD_STAT	AUTH_STAT	ONCE_AUTH	MAKER_ID	MAKER_DT_STAMP	CHECKER...	CHECKER_DT_STAMP	MOD_NO
1	OBPY_1	0	A	Y	MURALI1	22-MAR-19	MURALI1	22-MAR-19	1

CMC_TM_BRN_WORKHOURS_DET

ID	BRN_WORKHOURS_MASTER_ID	WEEKDAY	WF_SEQ	START_TIME	END_TIME	WRK_HOURS	IS_OPEN	IS_24HW
1	BPM_WORKERS_DET_1	MON	1	01-JUN-22 09.00.00.362000000	AM 02-JUN-22 07.00.00.016000000	PH	8 Y	N
2	BPM_WORKERS_DET_2	TUE	2	01-JUN-22 09.00.00.362000000	AM 02-JUN-22 07.00.00.016000000	PH	8 Y	N
3	BPM_WORKERS_DET_3	WED	3	01-JUN-22 09.00.00.362000000	AM 02-JUN-22 07.00.00.016000000	PH	8 Y	N
4	BPM_WORKERS_DET_4	THU	4	01-JUN-22 09.00.00.362000000	AM 02-JUN-22 07.00.00.016000000	PH	8 Y	N
5	BPM_WORKERS_DET_5	FRI	5	01-JUN-22 09.00.00.362000000	AM 02-JUN-22 07.00.00.016000000	PH	8 Y	N
6	BPM_WORKERS_DET_6	SAT	6	01-JUN-22 09.00.00.362000000	AM 02-JUN-22 07.00.00.016000000	PH	8 Y	N
7	BPM_WORKERS_DET_7	SUN	7	(null)	(null)		8 N	N

2.8.2 SLA Calculation

- On initiation of workflow, plato-orch-service will create entries in below tables upon successful calculation of SLA for workflow and task.

ID	WORKFLOW_SLA_MASTER_ID	WORKFLOW_ID	TASK_ID	TASK_DEF_NAME
1	e4f1ee49-b3b6-48cd-b351-f9ceaeef2c82	2279f60d-873b-4df5-8807-1beb13dddf6ea	6eff113b-a52d-41ee-bcc8-0ff920bf8bc7	(null)
2	9da35c98-74d2-4e79-b239-ddc00433f857	2279f60d-873b-4df5-8807-1beb13dddf6ea	6eff113b-a52d-41ee-bcc8-0ff920bf8bc7	de5ac0e1-8214-44d0-b9b3-4e7712e600ca
3	9892d702-a344-435b-b3fd-c6e164ae722	2279f60d-873b-4df5-8807-1beb13dddf6ea	6eff113b-a52d-41ee-bcc8-0ff920bf8bc7	73a99578-6b0e-4e95-a0e2-6def10ef2710a
4	445aa2ea-9fc3-437b-8f21-c3482309109d	2279f60d-873b-4df5-8807-1beb13dddf6ea	6eff113b-a52d-41ee-bcc8-0ff920bf8bc7	af2df20b-d695-4744-aa9e-eae24df78063
5	57c3a339-5d0e-470d-9bd6-567658at1d46	2279f60d-873b-4df5-8807-1beb13dddf6ea	6eff113b-a52d-41ee-bcc8-0ff920bf8bc7	4785bcfe-4121-40ae-9514-ebe5be44673e
6	507e839a-as5c-4c93-af85-3f9ba6ea0c85	2279f60d-873b-4df5-8807-1beb13dddf6ea	6eff113b-a52d-41ee-bcc8-0ff920bf8bc7	4e577bb1-c02c-40cb-b055-ba23ba718d9a
7	c81e076d-b0e4-4eeb-8a9d-ac4c0f6c350	2279f60d-873b-4df5-8807-1beb13dddf6ea	6eff113b-a52d-41ee-bcc8-0ff920bf8bc7	20dbc648-6027-4724-b728-94938782860b

WORKFLOW_NAME	START_TIME	EXPECTED_COMPLETION	ACTUAL_COMPLETION	SUB_PROCESS_NAME	HOLD_FLAG	SUB_PROCESS_FLAG
CPOB	(null)	(null)	(null)	(null)	(null)	(null)
CPOB	06-JUN-22 10.27.49.000000000	AM 06-JUN-22 10.32.49.000000000	AM 06-JUN-22 10.36.23.126000000	AM (null)	(null)	(null)
CPOB	06-JUN-22 10.23.57.000000000	AM 06-JUN-22 10.28.57.000000000	AM 06-JUN-22 10.24.18.139000000	AM (null)	(null)	(null)
CPOB	06-JUN-22 10.36.23.000000000	AM 06-JUN-22 10.41.23.000000000	AM 06-JUN-22 10.45.06.862000000	AM (null)	(null)	(null)
CPOB	06-JUN-22 10.45.07.000000000	AM 06-JUN-22 10.50.07.000000000	AM 06-JUN-22 10.45.24.194000000	AM (null)	(null)	(null)
CPOB	06-JUN-22 10.24.18.000000000	AM 06-JUN-22 10.29.18.000000000	AM 06-JUN-22 10.24.43.920000000	AM (null)	(null)	(null)
CPOB	06-JUN-22 10.24.44.000000000	AM 06-JUN-22 10.29.44.000000000	AM 06-JUN-22 10.27.49.474000000	AM (null)	(null)	(null)

COMPLETION	SUB_PROCESS_NAME	HOLD_FLAG	SUB_PROCESS_FLAG	STATUS	PARALLEL_STAGE	HOLD_DURATION	BREACH_DURATION	BREACH_TIME
1	(null)	(null)	(null)	(null)	(null)	0	0	(null)
2	22 10.36.23.126000000	AM (null)	(null)	COMPLETED	(null)	0	0	06-JUN-22 10.32.49.000000000
3	22 10.24.18.139000000	AM (null)	(null)	COMPLETED	(null)	0	0	06-JUN-22 10.28.57.000000000
4	22 10.45.06.862000000	AM (null)	(null)	COMPLETED	(null)	0	0	06-JUN-22 10.41.23.000000000
5	22 10.45.24.194000000	AM (null)	(null)	COMPLETED	(null)	0	0	06-JUN-22 10.50.07.000000000
6	22 10.24.43.920000000	AM (null)	(null)	COMPLETED	(null)	0	0	06-JUN-22 10.29.18.000000000
7	22 10.27.49.474000000	AM (null)	(null)	COMPLETED	(null)	0	0	06-JUN-22 10.29.44.000000000

ID	WORKFLOW_ID	WORKFLOW_NAME	INCLUDE_BRN_HLDY	INCLUDE_CURR_HLDY	INCLUDE_HOLD_TIME	INCLUDE_OFF_BRN
1	2279f60d-873b-44f5-8807-1beb12dd6fea	ef113b-a52d-41ee-bcc8-0ff920bf9bc7	CPQB	N	N	N

2.8.3 SLA Widgets

SLA Widgets provide a visual representation of party onboarding applications in different SLA statuses. SLA Widgets display the SLA status based on the SLA configuration for all different party types.

2.8.3.1 Total Onboarding Application Widget (Pie Chart)

A pie chart provides a high-level visual representation of all Party Onboarding applications in different SLA statuses. Following are the status supported by SLA Management.

- Within SLA – Green
- Near SLA Breach – Amber
- SLA Breached – Red

2.8.3.2 Total Onboarding Application Widget (Bar Chart)

A bar chart provides a visual representation of each party type for all party onboarding application in different SLA Statuses. Following are the party types supported in bar chart

- Retail
- Small & Medium Business
- Small and Medium Enterprise
- Corporate
- Financial Institution

2.8.3.3 SLA Status (Bar Chart)

A bar chart provides the task level visual representation for different SLA status.

NOTE: SLA Widget only displays tasks which are not handed off to Back-office system

To View SLA Widget

1. From **Home screen**, click **Dashboard**

The **Create Organization** screen is displayed

2.8.3.4 View Details Filter

View Details filter in SLA widget provides a detailed view of party onboarding applications in different SLA statuses using the filter condition. Following filters can be used to search party onboarding application SLA statuses

Table 12: SLA Widget – Field Description

Field	Description
Customer	Party ID of the customer
Branch Code and Name	Name of Branch onboarding the party
Process	Party Onboarding Process Name
From Date – To Date	Date criteria to search party onboarding applications
SLA Status	SLA status as configured in SLA configuration

2.9 Dynamic Task Allocation

Dynamic Task allocation functionality distributes and assigns tasks to relevant user based on defined set of parameters. Once task is assigned to specific users, it is available in “My Tasks” for the user to take respective actions according to the stage of party onboarding process.

Dynamic Task allocation can be used by Financial Institutions to setup different rules for task allocation for different stages of party onboarding so that tasks are automatically assigned to authorized users.

Dynamic Task Allocation is provided as Plato framework. For more details about the Plato framework.

refer <https://confluence.oraclecorp.com/confluence/display/BLA/Dynamic+Task+Allocation>

2.9.1 Setting up Dynamic Task Allocation

2.9.1.1 Plato Configuration

1. Parameter `-Dplato.orchestrator.enableDynamicAllocation=true` should be added in server start for Plato Managed Server.

The screenshot shows the configuration console for Plato Managed Server. The 'Server Start' tab is active, displaying fields for Java Home, Java Vendor, and BEA Home. Below these, the 'Arguments' section is expanded, showing a list of system properties including `-Dplato.orchestrator.enableDynamicAllocation=true`. The 'Security Policy File' field is also visible.

2. Restart Plato Managed Server.
3. Please Note to check below PROPERTIES table in PLATO schema as sometimes the value may be overridden.
 - `plato.orchestrator.enableDynamicAllocation` should be set to TRUE
 - `plato.orchestrator.usingRuleEngine` should be set to TRUE

34	4724	plato-orch-service	jdbc	jdbc	plato.cmc.default.user	ADMINUSER1
35	4725	plato-orch-service	jdbc	jdbc	plato.orchestrator.enableDynamicAllocation	true
36	4726	plato-orch-service	jdbc	jdbc	plato.orchestrator.enableSLA	true
37	5497	plato-orch-service	jdbc	jdbc	plato.orchestrator.enableSubWfDynamicAllo...	false
38	60	plato-orch-service	jdbc	jdbc	plato.orchestrator.uri	https://tempval/plato-orc
39	4841	plato-orch-service	jdbc	jdbc	plato.orchestrator.usingRuleEngine	true

2.9.1.2 Fact Creation

Following are the FACTS supported out-of-box

- Priority
- applicationDate
- applicationNumber
- processRefNumber
- amount (for Loans and Credit Card)
- currencyCodebranch
- currentBranch
- user (initiated by user)
- customerNumber
- processName
- processCode
- stage
- lifecycleCode
- businessProductCode

Other facts (using data elements from any of the Data Segments) can be derived by using http task. Facts can be created on any of the input parameters from Task for each Stage.

To Initiate the FACT creation

1. From the **Home** screen, click **Rule**.
2. Under **Rule**, click **Fact**.
3. Under **Fact**, click **Create Fact**.

→ The **Create Fact** screen is displayed.

The screenshot shows the 'Create Fact' screen with the following fields and values:

- Code ***: Priority
- Description ***: Task Priority
- Product Processor ***: OBPY
- Tag**: (empty)
- Type ***: TEXT

A 'Save' button is located at the bottom left of the form.

For more information on Facts creation, refer **Rules** section in **Common core user guide**.

2.9.1.3 Rule Creation

Rules can be defined as per financial institutions requirements for Dynamic Task Allocation. Based on the rules, tasks can be assigned dynamically to different users.

To Initiate the Rule creation

1. From **Home** screen, Click **Rule**.
 2. Under **Rule**, Click **Rule**.
 3. Under **Rule**, Click **Create Rule**.
- The **Create Rule** screen is displayed.

Figure 20: Create Rule Group

Supported Outputs for Rules

In the current framework following rule outputs are supported:

Output Type	Format	Description
USER	USER:<user name>	This output type for a rule is simple and it means that whatever username is provided for the rule the same user will be allocated the task if rule is satisfied.
FIELD	FIELD:<field from conductor task>	This type of output means that whatever is the value of the field, which is part of conductor input parameter, that field value (must be a username) will be assigned the task after satisfying the rule.

For more information on Facts creation, refer **Rules** section in **Common core user guide**.

2.9.1.4 Rule Group Creation

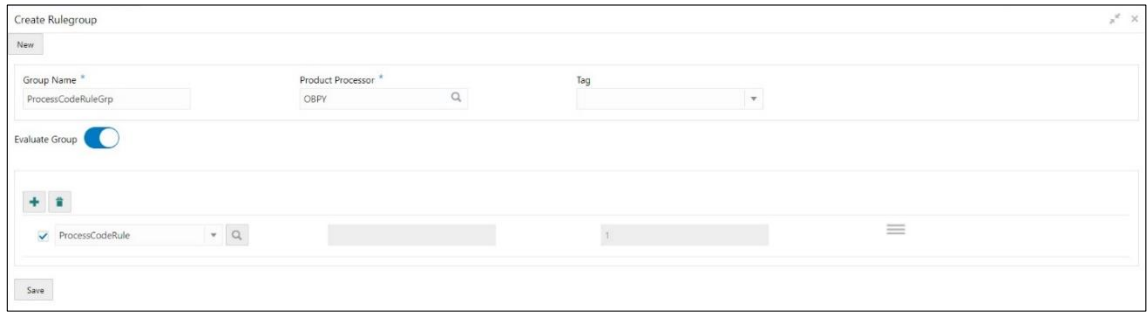
Rule group Maintenance will be used for prioritizing the rules. The rule will be run as per the priority, and if the condition is met, assignment will happen to the user per the rule outcome. If none of the rule is met, then task will not be assigned to a user (task will be unassigned and available under “Free tasks”)

To Initiate the Rule creation

1. From **Home** screen, Click **Rule**.
2. Under **Rule**, Click **Rule**.
3. Under **Rule**, Click **Create Rule Group**.

→ The **Create Rule Group** screen is displayed.

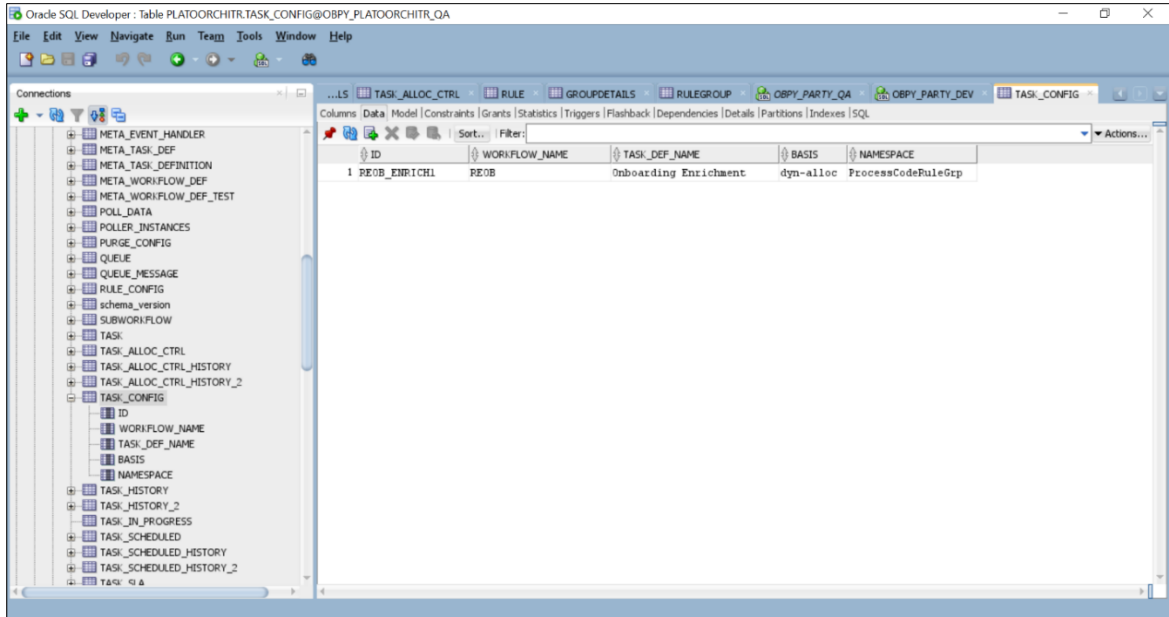
Figure 21: Create Rule Group



2.9.1.5 Entry in TASK_CONFIG table

Create entry in TASK_CONFIG table in PLATOORCHITR schema as below:

Name	Description
ID	Unique Identifier in Task_Config table
WORKFLOW_NAME	Name of the workflow for which dynamic task allocation must be done <i>Note: WORKFLOW_NAME can be taken from HTASK_ADDN_DTLS table for respective workflow and stages.</i>
TASK_DEF_NAME	Task definition name of the task for which dynamic task allocation must be done <i>Note: TASK_DEF_NAME can be taken from HTASK_ADDN_DTLS table for respective workflow and stages.</i>
BASIS	Hardcoded to dyn-alloc
NAMESPACE	Name of the Rule Group which has the rule which will be invoked and evaluated during dynamic task allocation



NOTE: Restart Rule Service after above configuration is done

2.9.2 Task Allocation Process

Once the task is created as per the business process, if there is any user assignment linked for a stage, system will log the relevant tasks in a table for allocation. A poller runs on this table and execute the Rules linked in the allocation maintenance. Rules will be executed one after another as per the priority set. If priority 1 rule is met, it will give a user as an outcome, system will do the user assignment as per the assignment method defined in the assignment code. Its criteria in Rule 1 are not met, it will go to next rule (priority 2) and so on. If all the Rules are exhausted without meeting the conditions, task will remain as unassigned to any user.

If there are no user assignment codes linked to any stages, then also, task will remain unassigned to any user

To check Task Allocation process, start new Retail Onboarding and Go till Enrichment stage to check whether task is getting allocated to user defined in Rule Output.

If the Rule Evaluation is successful, a Task will be allocated to User as in TASK_ALLOC_CTRL table as below:

NOTE: Status of picked column in TASK_ALLOC_CTRL. Please refer to link <https://confluence.oraclecorp.com/confluence/display/BLA/Dynamic+Task+Allocation> for more understanding on different status values for picked column

ID	WORKFLOW_ID	WORKFLOW_NAME	TASK_DEF_NAME	TO_...	ALLOCATED_ON	PICKED	TASK_ID
6	cb42d50c-edd9-4...	3c9bfd3b-e2bc-48...	PEOB	Onboarding Enrichment	MURALI2	18-MAY-22 ...	11b85c...
7	31f09ed0-40be-4...	3e29ff45-9e06-4a...	PEOB	Onboarding Enrichment	MURALI2	18-MAY-22 ...	1cdfdc...
8	31de48ae-7b86-4...	436fcbbbe-4168-47...	PEOB	Onboarding Enrichment	MURALI2	18-MAY-22 ...	1d5722...
9	bb6ff647a-fe7f-4...	62cc626e-98b1-42...	PEOB	Onboarding Enrichment	MURALI2	18-MAY-22 ...	1a4451...
10	e4f2251a-70ce-4...	63790acc-6f1e-41...	PEOB	Onboarding Enrichment	MURALI2	18-MAY-22 ...	19728a...
11	d587f498-58db-4...	7e943031-6941-41...	PEOB	Onboarding Enrichment	MURALI2	18-MAY-22 ...	104708...
12	6dd740cf-ce18-4...	7806f07a-fbdd-4c...	PEOB	Onboarding Enrichment	MURALI2	18-MAY-22 ...	1da4a2...
13	9db89e97-09dc-4...	7fb0d08c-2621-4f...	PEOB	Onboarding Enrichment	MURALI2	18-MAY-22 ...	12c3fa...
14	b388c580-819c-4...	90b49dec-f685-4f...	PEOB	Onboarding Enrichment	MURALI2	18-MAY-22 ...	18b914...
15	5ea3ac18-efff9-4...	9233b30a-2545-44...	PEOB	Onboarding Enrichment	MURALI2	18-MAY-22 ...	1174c8...
16	906faa4c-1a62-4...	a0027564-e47a-42...	PEOB	Onboarding Enrichment	MURALI2	18-MAY-22 ...	1818b3...
17	c81afe2a-16f6-4...	ae49dd6e-79ac-47...	PEOB	Onboarding Enrichment	MURALI2	19-MAY-22 ...	179b89...
18	4c6d872f-2c83-4...	ae9ee73e-5ab2-44...	PEOB	Onboarding Enrichment	MURALI2	19-MAY-22 ...	1b5924...
19	f4848fc8-1288-4...	be16add2-073a-4d...	PEOB	Onboarding Enrichment	MURALI2	18-MAY-22 ...	17cae1...
20	b5f4e8af-6fc8-4...	c526d4c5-e97a-49...	PEOB	Onboarding Enrichment	MURALI2	18-MAY-22 ...	164c78...
21	782bd68e-144d-4...	ca2df745-0dac-40...	PEOB	Onboarding Enrichment	MURALI2	19-MAY-22 ...	162e11...
22	f9d748da-8373-4...	dc07bc60-4066-41...	PEOB	Onboarding Enrichment	MURALI2	18-MAY-22 ...	166c0a...
23	9fab7f46-7590-4...	df740fa6-6ac2-4e...	PEOB	Onboarding Enrichment	MURALI2	18-MAY-22 ...	109916...
24	8f4232f8-b6a0-4...	e0bae2c6-7342-4f...	PEOB	Onboarding Enrichment	MURALI2	18-MAY-22 ...	1c75ee...
25	89e7332e-a55e-4...	e378d2c1-c095-4b...	PEOB	Onboarding Enrichment	MURALI2	18-MAY-22 ...	1fb3f8...

To view Task assignment to respective users, check “My Tasks” section of the respective user.

2.9.3 Postman Collection for Rules APIs:

Below is the postman collection for Rules REST endpoint APIs for reference:



plato-rule.postman_c
ollection.json

2.10 Multi-Level Authorization

Multi-level authorization functionality provides a flexibility to configure more than one reviewer and approver during different party onboarding processes. Multi-level authorization allows user to capture review and approval comments and decision for a party onboarding process.

2.10.1 Setting up Multi-Level Authorization

2.10.1.1 Changes in Process Flow (All party types)

1. In Retail and SMB process-flows, Review stage is renamed as Recommendation stage.
2. Common Review, Recommendation and Approval UI screens and corresponding services (Backend service definition and tables) are created for all party types.
3. New tables created for Review, Recommendation and Approval stages is as below:
 - OBPY_TB_PRTY_REVIEW_MSTR
 - OBPY_TB_PRTY_REVIEW_DETAILS
 - OBPY_TB_PRTY_REVIEW_DTLS_LIST
4. New Sub-workflows is created for Recommendation and Approval stages with single task in each stage. Attaching sub-workflows for reference



Approval_SubWorkfl
ow.json



Recommendation_Su
bWorkflow.json

NOTE: Please Note: Sub-workflow definition created here has only one task/stage in the sub-workflow.

5. Sub-workflow definition must be updated in below endpoint in each environment:
plato-orch-service/api/metadata/workflow

Sample CURL for the endpoint is as below:

```
curl --location --request POST 'https://ofss-mum-753.snбомprshared1.gbucdsint02bom.oraclevcn.com:6008/plato-orch-service/api/metadata/workflow' \
--header 'Accept: application/json' \
--header 'appId: platoorch' \
--header 'Authorization: Bearer {{token}}' \
--header 'authToken: token' \
--header 'branchCode: 000' \
```

```
--header 'Connection: keep-alive' \
--header 'Content-Type: application/json' \
--header 'userId: SASIKALA' \
--header 'entityId: DEFAULTENTITY' \
--data-raw '' → Sub-workflow definition
```

6. After the request is posted with 201 Created HTTP status, workflow definition can be checked in PLATOORCH schema table: **META_WORKFLOW_DEF** table.

Definition of **META_WORKFLOW_DEF** table:

ID → Unique_id

CREATED_ON → created date timestamp

MODIFIED_ON → modified date timestamp

NAME → Process-code . For eg: REOB, CPOB, Approval_Sub_Workflow etc

VERSION → version number

LATEST_VERSION → latest version number

JSON_DATA → workflow definition

Below is the screenshot of **META_WORKFLOW_DEF** table after sub-workflow is created through REST endpoint:

ID	CREATED_ON	MODIFIED_ON	NAME	VER...	LATEST_VERSION	JSON_DATA
1	07-AUG-22 07.54.41.000000000	AM 07-AUG-22 07.54.41.000000000	AM Approval_Workflow	1	4 (BLOB)	
2	07-AUG-22 08.13.13.000000000	AM 07-AUG-22 08.13.13.000000000	AM Approval_Workflow	2	4 (BLOB)	
3	07-AUG-22 08.32.30.000000000	AM 07-AUG-22 08.32.30.000000000	AM Approval_Workflow	3	4 (BLOB)	
4	07-AUG-22 08.47.07.000000000	AM 07-AUG-22 08.47.07.000000000	AM Approval_Workflow	4	4 (BLOB)	

7. The Changes is done in process-flow for Recommendation and Approval stages

BEFORE:

Review task:

```
{
  "name": "Review",
  "taskReferenceName": "Retail_Review",
  "inputParameters": {
    "FUNCTIONAL_CODE": "OBPY_FA_REOB_REVIW",
```



```

"applicationDate": "${workflow.input.txnIdentification.taskCreationDate}",
"applicationNumber": "${workflow.input.txnIdentification.moduleCode}",
"customerNumber": "${workflow.input.transactionData.moduleData.customerId}",
"processName": "Retail Onboarding",
"partyId": "${workflow.input.transactionData.moduleData.customerId}",
"productCode": "${workflow.input.transactionData.moduleData.productCode}",
"processRefNumber": "${workflow.input.txnIdentification.processRefNo}",
"processCode": "REOB",
"branch": "${workflow.input.txnIdentification.branchCode}",
"stageId": "OBPY_FA_REOB_REVIW",
"priority": "${workflow.input.txnIdentification.taskPriority}",
"instanceId": "${workflow.input.instanceId}",
"stage": "Review",
"TASK_OUTCOMES": ["PROCEED",
"ADDITIONAL_INFO",
"MANUALRETRY"]
},
"type": "WAIT",
"startDelay": 0,
"optional": false,
"asyncComplete": false
}

```

Approval task:

```

{
"name": "Approval",
"taskReferenceName": "Retail_Approval",
"inputParameters": {
"FUNCTIONAL_CODE": "OBPY_FA_REOB_APPRL",
"applicationDate": "${workflow.input.txnIdentification.taskCreationDate}",
"applicationNumber": "${workflow.input.txnIdentification.moduleCode}",
"customerNumber": "${workflow.input.transactionData.moduleData.customerId}",

```

```

    "processName": "Retail Onboarding",
    "partyId": "${workflow.input.transactionData.moduleData.customerId}",
    "productCode": "${workflow.input.transactionData.moduleData.productCode}",
    "processRefNo": "${workflow.input.txnIdentification.processRefNo}",
    "processRefNumber": "${workflow.input.txnIdentification.processRefNo}",
    "processCode": "REOB",
    "branch": "${workflow.input.txnIdentification.branchCode}",
    "stageId": "OBPY_FA_REOB_APPRL",
    "priority": "${workflow.input.txnIdentification.taskPriority}",
    "instanceId": "${workflow.input.instanceId}",
    "stage": "Approval",
    "TASK_OUTCOMES": ["PROCEED",
                      "REJECT",
                      "ADDITIONAL_INFO",
                      "MANUALRETRY"]
  },
  "type": "WAIT",
  "startDelay": 0,
  "optional": false,
  "asyncComplete": false
}

```

AFTER:**Recommendation task:**

```

{
  "name": "Recommendation_Subwf",
  "taskReferenceName": "Recommendation_Subwf",
  "inputParameters": {
    "FUNCTIONAL_CODE": "OBPY_FA_REOB_RECOM",
    "applicationDate": "${workflow.input.txnIdentification.taskCreationDate}",
    "applicationNumber": "${workflow.input.txnIdentification.moduleCode}",

```

```

"customerNumber": "${workflow.input.transactionData.moduleData.customerId}",
"processName": "Retail Onboarding",
"partyId": "${workflow.input.transactionData.moduleData.customerId}",
"productCode": "${workflow.input.transactionData.moduleData.productCode}",
"processRefNumber": "${workflow.input.txnIdentification.processRefNo}",
"processCode": "REOB",
"branch": "${workflow.input.txnIdentification.branchCode}",
"priority": "${workflow.input.txnIdentification.taskPriority}",
"moduleCode": "${workflow.input.txnIdentification.productCode}",
"instanceId": "${workflow.input.instanceId}",
"stageId": "OBPY_FA_REOB_RECOM",
"stage": "Recommendation"
},
"type": "SUB_WORKFLOW",
"subWorkflowParam": {
  "name": "Recommendation_Workflow",
  "version": 1
}
}

```

Approval task:

```

{
"name": "Approval_Subwf",
"taskReferenceName": "Retail_Approval_Subwf",
"inputParameters": {
  "FUNCTIONAL_CODE": "OBPY_FA_REOB_APPRL",
  "applicationDate": "${workflow.input.txnIdentification.taskCreationDate}",
  "applicationNumber": "${workflow.input.txnIdentification.moduleCode}",
  "customerNumber": "${workflow.input.transactionData.moduleData.customerId}",
  "processName": "Retail Onboarding",
  "partyId": "${workflow.input.transactionData.moduleData.customerId}",
  "productCode": "${workflow.input.transactionData.moduleData.productCode}",

```

```

"processRefNo": "${workflow.input.txnIdentification.processRefNo}",
"processRefNumber": "${workflow.input.txnIdentification.processRefNo}",
"processCode": "REOB",
"branch": "${workflow.input.txnIdentification.branchCode}",
"priority": "${workflow.input.txnIdentification.taskPriority}",
"moduleCode": "${workflow.input.txnIdentification.productCode}",
"instanceId": "${workflow.input.instanceId}",
"stageId": "OBPY_FA_REOB_APPRL",
"stage": "Approval"
},
"type": "SUB_WORKFLOW",
"subWorkflowParam": {
  "name": "Approval_Workflow",
  "version": 1
}
}

```

2.10.1.2 Things to be Updated in process-flows definition:

1. When any new sub-workflow is added, to inject it into the main process-flow new task must be created as SUB-WORKFLOW and subWorkflowParam must be updated with appropriate version of sub-workflow.
2. Latest version of the sub-workflow must be checked in META_WORKFLOW_DEF table and the same must be updated in subWorkflowParam version for any new changes in sub-workflow definition.
3. To enable multi-level authorization (For example multiple review and approval stages) below changes must be done:
 - a. Sub-workflow must be updated with multiple tasks. Based on requirement, it can be updated with parallel tasks (FORK-JOIN task) or sequential tasks (WAIT task).
 - b. Main process-flow must be updated with latest version of sub-workflow.
 - c. Both Sub-workflow and Main process-flow must be updated in META_WORKFLOW_DEF table through REST endpoint.

2.11 Additional Field Configuration

Scenario: Adding additional fields to a new Data Segment and add it to the train hop

Step 1: Add Metadata in additional attributes common core maintenance. Post maintenance the entry in CMC_TM_ADDDT_ATTR_MASTER should be as follows:

ID	UI_KEY	Description	FIELD_META_DATA
1	fsgbu-ob-cmn-ds-additional-fields@OBPY_REOB_ENRH	Additional fields for REOB process	[{ "id": "UDF_TEXTATTR", "label": "Text", "type": "TEXT" }, { "id": "UDF_NUMBERATTR", "label": "Number", "type": "NUMBER" }, { "id": "UDF_TEXTAREAATTR", "label": "TextArea", "type": "TEXTAREA" }, { "id": "UDF_DATEATTR", "label": "Date", "type": "DATE" }, { "id": "UDF_DROPDOWNATTR", "label": "Dropdown", "value": "A", "type": "DROPDOWN", "options": [{ "value": "A", "label": "A" }, { "value": "U", "label": "U" }] }, { "id": "UDF_SWITCHATTR", "label": "Switch", "value": true, "type": "SWITCH" }, { "id": "UDF_LOVATTR", "label": "Customer", "type": "LOV", "lovId": "customerLOV" }]

Note:

- Values in UI_KEY column refers to a unique identification reference key of any screen
- Sample metadata has been given in the Field_meta_data column. In the example a field of type text has been defined with Id - UDF_TEXTATTR. Similarly type – Number, textarea, dropdown, lov and switch has been added

Step 2: Configure train hop entries with the CCA Name for OBPY using business process screen

OBPY UI:

CCA - fsgbu-ob-py-ds-additional-attributes is in OBPY component server to serve this purpose.

Service:

The payload with the additionalAttributes json will be processed on next click in UI for the above CCA.

Step 3: Handoff Changes

- A property in obpy-properties table is made available with the key REOB_ADDITIONAL_FIELDS_UIKEY, and the respective value holds the UI key of the core maintenance.
- REOB_ADDITIONAL_FIELDS_UIKEY can accept multiple UI keys for handoff and the values should be pipe (|) separated (if additional attributes are added in multiple screens for a single process).
- All the additional fields captured in different data segments for a single process and configured in above property will be collated and passed on as UDF label, value list and will be available in the OBRH Request.
- UDF json will be appended to the party JSON which is ready for handoff and can be mapped to the request template through OBRH for the HOST.

Template changes are available in the request transformation:

```
#foreach($UDF in $body.UDFList)
  <fcub:UDFDETAILS>
    <fcub:FLDNAM>$UDF.label</fcub:FLDNAM>
    <!--Optional:-->
    <fcub:FLDVAL>$UDF.value</fcub:FLDVAL>
  </fcub:UDFDETAILS>
#end
```

- Once after the FCUBS handoff, the UDF fields will be handed off and can be checked in STDCIF screen - Fields tab

2.12 Upload Source for Common Core (CMC) Party Replication

On completion of party onboarding process and party details handoff to Flexcube Universal Banking (FCUBS), customer information along with CIF ID (FCUBS) is replicated to OBMA Common Core in “External Customer”

For Party replication to OBMA Common Core, upload source should be configured in FCUBS and OBMA Common Core.

Note:

- For more information about Upload Source configuration in FCUBS refer, Integration Guide – **“FLEXCUBE Universal Banking Party Services Integration Guide”**

- For more information about Upload Source configuration in OBMA Common Core, refer **Oracle Banking Common Core User Guide**

3 List of Menus

1. Customer Access Group - [Customer Access Group](#) (p. 4)
2. Entity Maintenance - [Entity Maintenance](#) (p. 11)
3. Location Maintenance - [Location Maintenance](#) (p. 13)
4. Mask Maintenance - [Mask Maintenance](#) (p. 15)
5. PII Masking Maintenance - [PII Masking Maintenance](#) (p. 6)