

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 Implementation team for Day Zero Maintenance of configuration in Oracle Banking Party 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.

1.9 Screenshot Disclaimer

Information used in the interface or documents are dummy, it does not exist in real world, and it is only for reference purpose.

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.

Prerequisites:

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

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

2.1 Address Management

Address management maintenance is to enable financial institutions configure address related requirements. Using Address Management maintenance, user can configure

- Mandatory and optional address types
- Minimum address requirement

To initiate Address Management

From Home screen, got to **Party Services > Maintenance > Address Management > View and Update Address Management**.

- The **View & Update Address Management** screen is displayed.
- Select Party Type **Retail** and **Unlock** to maintain address management configuration.
- Select Party Type **Retail** and **View** to view existing address management configuration.

→ Create Minimum Address screen is displayed

Update the address configuration as required using the following fields

Field Name	Description	Mandatory (Y/C/N)
Address Type	Select Address Type. Address Type dropdown will be available as configured in Entity Code Maintenance.	Mandatory
Is Mandatory	Enable toggle button if the address type is required to capture during party onboarding and amendment process. Toggle should be enabled, if “Minimum Address History (Months)” is provided	Conditional

Field Name	Description	Mandatory (Y/C/N)
Minimum Address History (Months)	Input value to define, what the minimum address history is required to be captured during party onboarding and amendment process. Field accepts only a numeric value without decimal places such as 1, 12, 13 etc. Month is considered as a calendar month.	Optional

Behavior of Current Address Data Segment as per Address Management Maintenance

Is Mandatory	Minimum Address History	Behavior
Enabled	0 (Zero) Month or No Value	During party onboarding and amendment, respective address will be mandatory to be captured without any minimum address history validation
Enabled	Value starting 1 Month and More	During party onboarding and amendment, respective address will be mandatory to be captured with minimum address history validation
Disabled	0 (Zero) Month or No Value	During party onboarding and amendment, address capture will be Optional <i>Note: Communication Address is default configured as mandatory</i>

Note: In case of no configuration for an address type, it will be considered as optional.

2.2 Credit Rating Agency

Credit Rating Agency Maintenance is to configure Credit Rating Agencies as required during SME, Corporate and Financial Institution Onboarding and Amendment.

To initiate Credit Rating Agency Maintenance

From Home screen, got to **Party Services > Maintenance > Credit Rating Agency > Create Credit Agency**

→ **Create Credit Agency** page is displayed.

Create Credit Agency

Agency code Required Agency Description Required Agency Type Required

Rating Code	Rating Description	Actions
No data to display.		

Page 1 (0 of 0 items) |< 1 >|

Cancel Save

1. On **Create Credit Agency**, specify the details of the Credit Agency. For more information on fields, refer to the field description table.

Field Name	Description	Required
Agency code	Code of the agency to be created	Mandatory
Agency Description	Description of agency to be created	Mandatory
Agency Type	Select type of agency from dropdown. Available values are - Internal - External	Mandatory
Rating Code	Code of rating of the credit agency	Mandatory
Rating Description	Descriptions of the rating of the credit agency	Mandatory

2. Click **“Save”** to save the configuration.

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 1: Create Entity

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

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

Table 5: 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.
Language	Language of the entity code

Field	Description
Sub Entity Code	Specify the Sub Entity Code for the selected Entity Code.
Sub Entity Description	Specify the description of Sub Entity Code.
Retail	Enable toggle button if the sub-entity code is applicable for retails party
SMB	Enable toggle button if the sub-entity code is applicable for SMB party
Corporate	Enable toggle button if the sub-entity code is applicable for corporate party
SME	Enable toggle button if the sub-entity code is applicable for SME party
FI	Enable toggle button if the sub-entity code is applicable for financial institution party

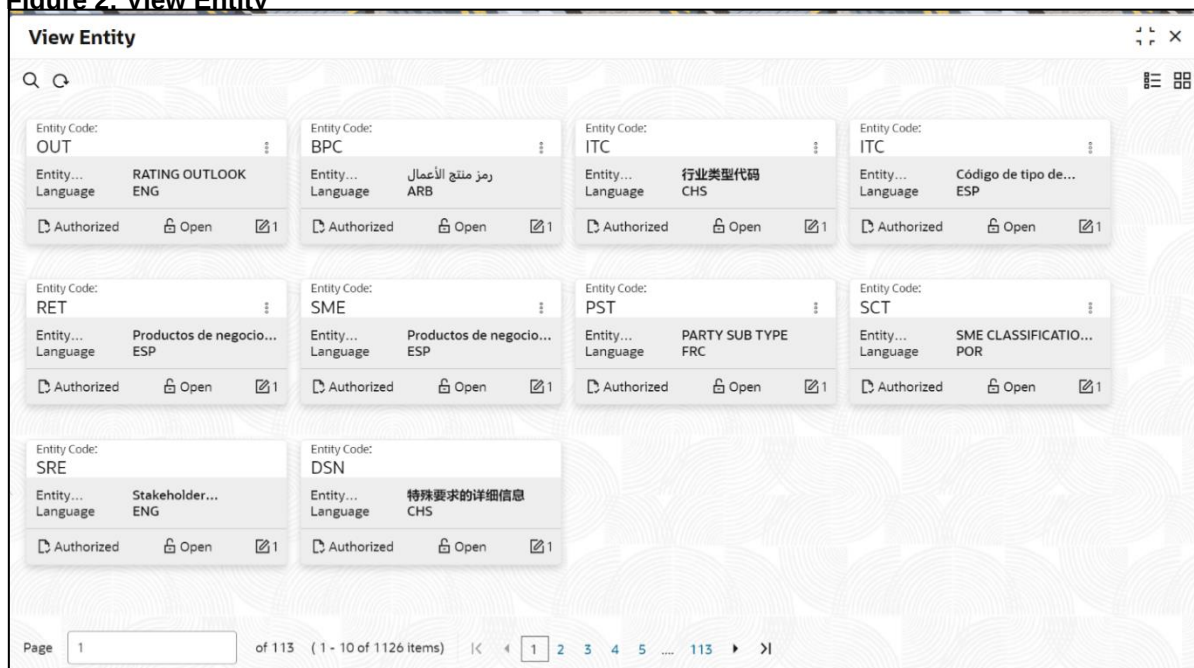
4. Click  button to add Sub-entities for Entity Code.

5. Click **Save**.

Once the record is authorized by the checker,

1. On **Home screen**, click **Party Services**. Under **Party Services**, click **Maintenance**.
2. Under **Maintenance**, click **Entity**. Under **Entity**, click **View Entity**.

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

Figure 2: View Entity

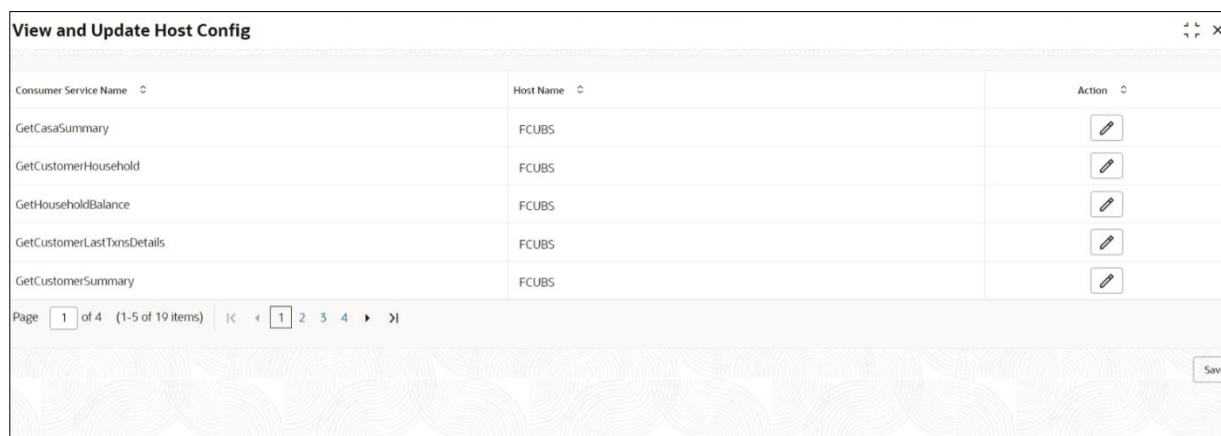
2.4 Host Configuration

Host Configuration is to configure the source systems for Retail Party View 360 information.

To initiate Host Configuration

From Home screen, got to **Party Services > Maintenance > Host Config > View and Update Host Config**

→ **View and Update Host Config** page is displayed



1. Click on **Action** button to update the host name for each of the retail party 360 widget.
2. Click **"Save"** to save the configuration.

2.5 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 3: Create Location

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

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

Table 6: 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.

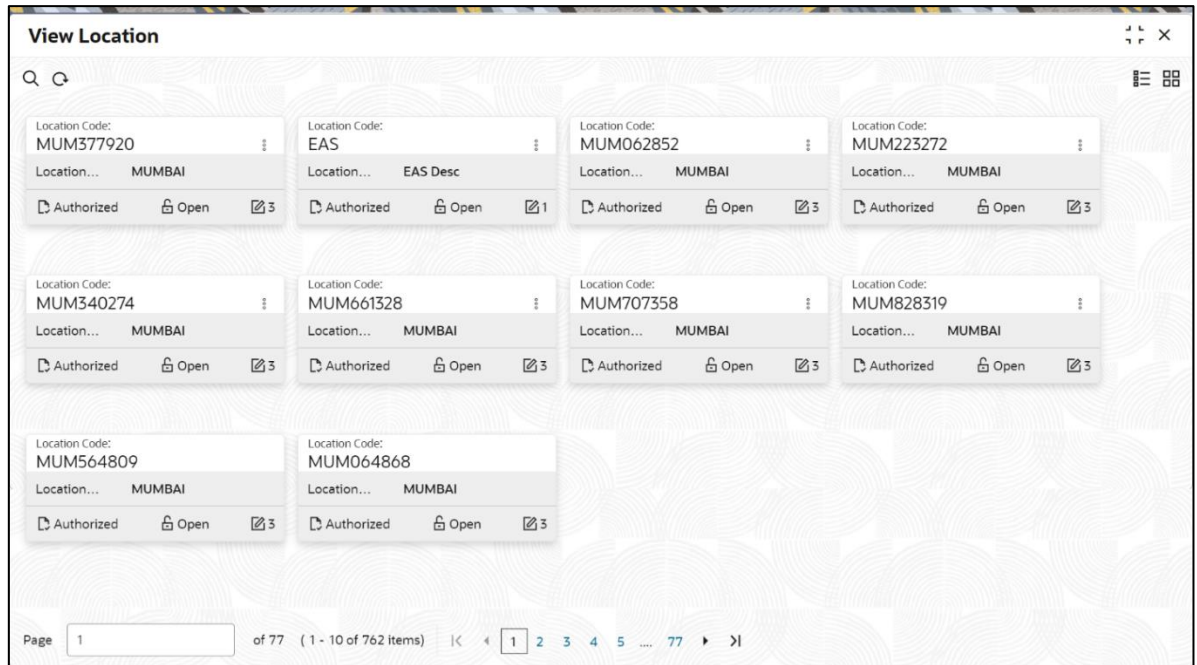
4. Click **Save** to save the location code.

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 4: View Location



2.6 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 5: Create Mask

Component	Mask	Delete
Prefix Code	PTY	
Branch Code	bbb	
Julian Date	ddddd	
Sequence Number	ssss	

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

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

Table 7: 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	Specify the total length of the mask, which is the sum of length of all the attributes in the mask cannot exceed 36 characters. If no mask is defined, a default mask – PTYddddssss is applicable which includes: a. Prefix with values PTY b. Julian Date (dddd) c. Sequence Number (ssss) of length 4 characters
Delete	Click this icon to delete the added parameter

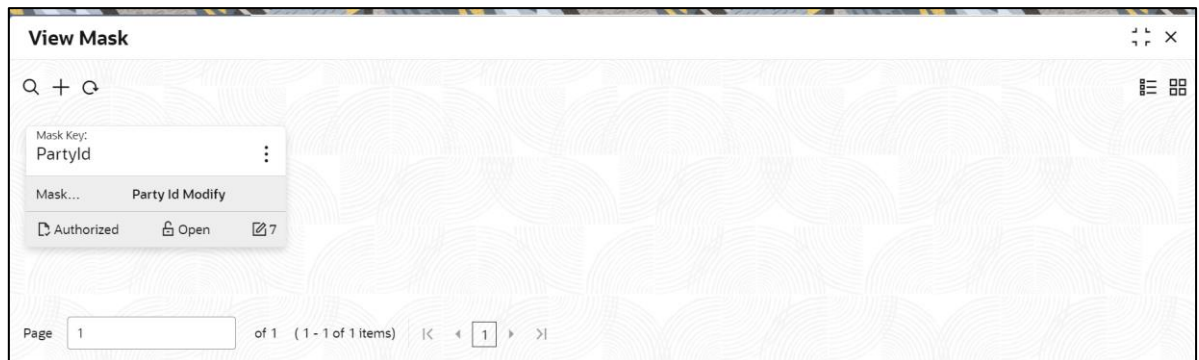
4. Click **Add** to add the parameters for the Party Id Mask.
5. Add the following attributes:
 - a. Prefix Code (PTY) – a prefix that can be attached to the party id. This attribute is optional and editable.
 - b. Branch Code (bbb) – The branch code of the user logged in branch. This attribute is optional 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 (ssss) – 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 6: View Mask



2.7 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**.

Under **Maintenance**, click **Organization**. Under **Organization**, click **Create Organization**.

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

Figure 7: Create Organization

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

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

Table 8: 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

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

Once the record is authorized by the checker,

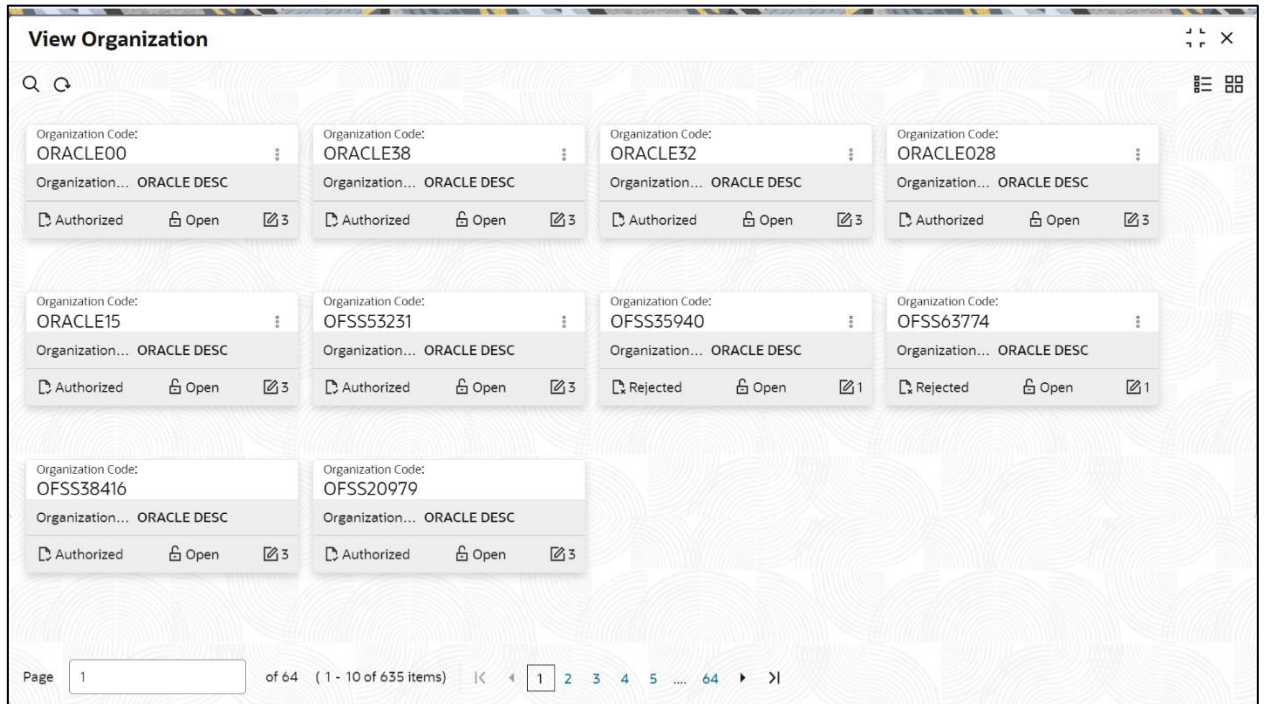
From **Home** screen, click **Party Services**.

Under **Party Services**, click **Maintenance**.

Under **Maintenance**, click **Organization**. Under **Organization**, click **View Organization**.

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

Figure 8: View Organization



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>

2.8 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 9: Sample Masked Information

The screenshot displays a banking customer profile for a 'Retail Customer' with ID '009916'. The profile is titled 'XXXXXXX (009916) - Retail Customer'. The customer's name is 'XXssica J JaXXX' and their status is 'Gold'. The profile includes a signature field and contact information (address: 'XX, XXXXXXXXXX, Chennai, XX', phone: 'XXXX', email: 'No record to display'). Other information fields (ID, PAN, Aadhar) are also masked with 'No record to display'. The KYC status is 'Verified' with a date of '2018-03-30'. The relationship section shows 'No record to display' and buttons for 'Household View' and 'Household Balance'. The top section shows account balances: CASA (0), Loan Account (0), Limits (0), Fixed Deposit (0), and Credit Cards (0). The middle section shows 'Pending Activities', 'Pending Requests', and 'Relationship Value', all with 'No record to display'. The bottom section shows 'Fee Income Products' (Credit Cards, Demat Account, Insurance) and 'Standing Instructions' (No record to display). The right sidebar shows 'Alerts' (No record to display), 'Upcoming Events' (Calendar for April 2022), and 'Last 5 Transactions' (No record to display).

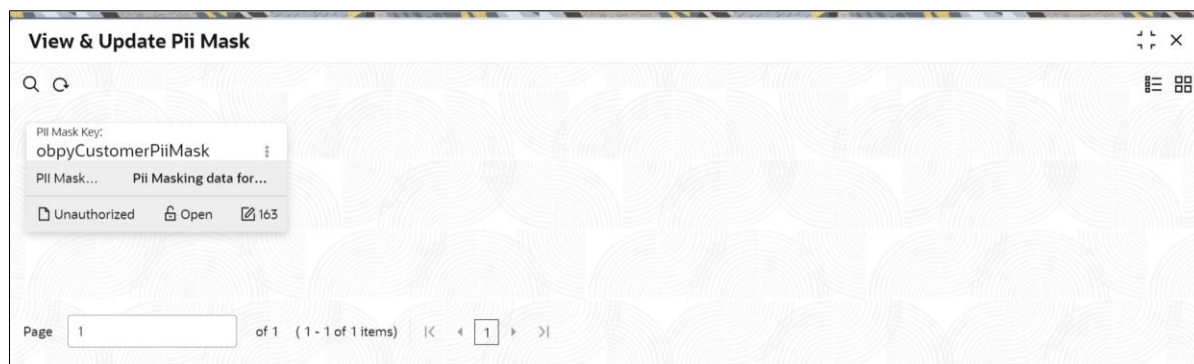
Refer to **Oracle Banking Security Management System User Guide** for more details on enabling and disabling PII access for the user.

To Initiate PII Mask Management Configuration

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

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

Figure 10: View and Update PII Mask



4. Click **Unlock**.

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

Figure 11: 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	N	X	Y	0	0	
Middle Name	String	255	N	X	Y	0	0	
Last Name	String	255	N	X	Y	0	0	
Short Name	String	36	N	X	Y	0	0	
Maiden Name	String	255	N	X	Y	0	0	
Name in Local Language	String	255	N	X	Y	0	0	
Date of Birth	Date		N	1970-01-01	Y			
Gender	String	255	N	X	Y	0	0	
Marital Status	String	255	N	X	Y	0	0	

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

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

Table 9: Create PII Mask – Field Description

Field	Description
PII Group	Select the Logical grouping of PII Fields in the dropdown list. The available values are • Basic Details • Address and Contact • ISO Contact • KYC Check • Signature • Address and Contact Host

6. The List of PII fields will be available in table structure as per selected **PII group**.

7. Click **Action** button for configuring Mask for each individual PII field.

→ The **Edit PII Masking** screen is displayed.

Figure 12: Edit PII Masking

Edit PII Masking

Attribute Name	Data Type	Data Length
Title	String	36

Mask Enable: ☐

Mask Character: X

Mask Entire Field: ☒

First N Characters: 0

Last N Characters: 0

Update Cancel

8. 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 10: 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	Select the toggle to identify whether the masking is enabled or disabled for the field. If Mask Enable toggle is ON, the field will be displayed as masked to unauthorized users. If Mask Enable toggle is set as OFF, the field will display without masking to all users.
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.

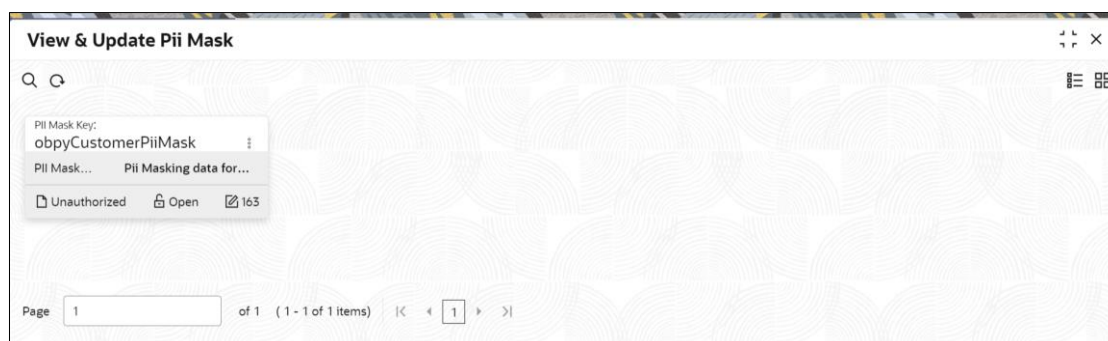
Click **Save** after completing masking configuration for all required PII fields.

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 13: View and Update PII Mask



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

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

Figure 14: View Mask

Pii Group							
Basic Details							
Attribute Name	Data Type	Data Length	Mask Enable	Mask Character	Mask Entire Field	First N Characters	Last N Characters
Title	String	36	Y	X	Y	0	0
First Name	String	255	Y	X	N	2	3
Middle Name	String	255	N	X	Y	0	0
Last Name	String	255	Y	X	N	1	1
Short Name	String	36	Y	X	Y	0	0
Maiden Name	String	255	N	X	Y	0	0
Name In Local Language	String	255	N	X	Y	0	0
Date of Birth	Date		N	1970-01-01	Y		

2.9 Properties Maintenance

Properties Maintenance to configure the key properties for OBPY.

To initiate Host Configuration

From Home screen, got to **Party Services** > **Maintenance** > **Properties Maintenance** > **View and Update Properties**.

→ **View and Update Properties** page is displayed.

1. Select “**Application Name**” from the dropdown list.
2. Click “**Fetch**” to see properties related to “Application Name”
3. Click “**Edit**” icon in Action column
4. Update property as required

Following table provides details of key properties, which can be configured using properties maintenance

ID	Application	Key	Description	Sample Value
7	obpy-party-handoff-services	KYC_FCUBS_SOAP_URL	SOAP API url of FCUBS	http://whf00alo:7348/FCUBSSTService/FCUBSSTService?WSDL
12	obpy-party-services	STP_FLAG	Straight through processing of Retail Party Onboarding	TRUE
13	obpy-party-kyc-services	BANK_MANDATORY_KYCS	Mandatory KYC required. More than one KYC type can be inserted as Pipe () separated	IDVR ADVR
14	obpy-party-kyc-services	BANK_KYC_VALID_IN_MONTHS	KYC validation period	24
1	obpy-party-services	REOB_ADDITIONAL_FIELDS_UIKEY	Unique identification reference key of screens for user defined fields. UIKEY of more than one screen can be inserted as Pipe () separated	fsgbu-ob-cmn-ds-additional-fields@OBPY_REOB_BASIC_ENRH fsgbu-ob-cmn-ds-additional-fields@OBPY_REOB_ENRH
2	obpy-party-services	SYNC_REQUIRED	Boolean value to determine if party information refresh is required from FCUBS to OBPY	TRUE
15	obpy-party-handoff-services	CMC_REPLICATION_REQUIRE	Boolean value to determine if replication of party information is required to OBMA Common Core (CMC)	TRUE

16	obpy-party-handoff-services	REOB_ADDITIONAL_FIELDS_UIKEY	Unique identification reference key of screens for user defined fields. UIKEY of more than one screen can be inserted as Pipe () separated	fsgbu-ob-cmn-ds-additional-fields@OBPY_RE OB_BASIC_ENR H fsgbu-ob-cmn-ds-additional-fields@OBPY_RE OB_ENRH
25	obpy-party-handoff-services	HOST_HANDOFF_REQUIRED	Boolean value to determine if party information required to be handed off to FCUBS from OBPY	TRUE
31	obpy-party-services	MINOR_AGE_CRITERIA	Age criteria for Minor Customer	18
27	obpy-party-services	PII_MASKING_PARTY_TYPES	Type of Parties to be considered for PII masking	I S
28	obpy-party-services	BANK_MANDATORY_KYC	Mandatory KYC required. More than one KYC type can be inserted as Pipe () separated	IDVR ADVR

2.10 System Maintenance

Systems Maintenance is to configure system behavior properties for different party type such as Hand off to host required etc.

To initiate System Maintenance

From Home screen, go to **Party Services > Maintenance > System Maintenance > View and Update System Property**.

→ **View and Update System Property** page is displayed.

Config Key	Retail	SMB	Corporate	SME	FI	Action
SYNC_REQUIRED	☐	☐	☐	☐	☐	
STP_FLAG	☐	☐	☐	☐	☐	
HOST_HANDOFF_REQUIRED	☐	☐	☐	☐	☐	
AUTO_GENERATE_CIFID	☐	☐	☐	☐	☐	
CMC_REPLICATION_REQUIRE	☐	☐	☐	☐	☐	

Page 1 of 1 (1-5 of 5 items) |< 1 >|

Save

Following system properties can be updated using System Maintenance for different party types.

Config Key	Description
SYNC_REQUIRED	Configuration to enable and disable party information sync with host system for different party types.
STP_FLAG	Configuration to enable and disable straight through processing for different party types.
HOST_HANDOFF_REQUIRED	Configuration to enable and disable host handoff for different party types.
AUTO_GENERATE_CIFID	Configuration to enable and disable party id generation for different party types.
CMC_REPLICATION_REQUIRED	Configuration to enable and disable party information replication to CMC External Customer for different party types.

2.11 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**.

2.12 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>

Setting up Service Level Agreements

2.12.1.1 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.



2. Set up service provider for OBPY with default implementation.
3. 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.

2.12.1.2 Core Maintenance

After OBRH configuration, Core maintenance should be setup for SLA

To Initiate the Core Maintenance

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

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

Figure 15: Create SLA

Create SLA

Product/Application Code Required

Product/Application Name

Business Process Code

Business Process Name

Branch

Branch Working Hours

Version Number

Include for SLA calculation

☐ Branch Holidays ☐ Currency Holidays ☐ Hold Time ☐ Customer Clarification

☐ Off-Branch Time Transaction

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.
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

Field	Description
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
Time in	Select from dropdown values as “Mins” or “Days-Hr-Mins” 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. If “Mins” is selected, user can directly input the SLA in Minutes.
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.

Field	Description
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.
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.

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

Once the record is authorized by the checker,

- From **Home** screen, Click **Core Maintenance**.
- Under **Core Maintenance**, Click **SLA Maintenance**.
- Under **SLA Maintenance**, Click **View SLA**.

2.12.1.3 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

TASK_SLA WORKFLOW_SLA HTASK_ADDN_DTLS OBPY_PARTY_QA CMC_TM_BRN_WORKHOURS_MASTER										
Columns Data Model Constraints Grants Statistics Triggers Flashback Dependencies Details Partitions Indexes SQL										
Sort Filter Actions										
ID	BRANCH_CODE	RECORD_STAT	AUTH_STAT	ONCE_AUTH	MAKER_ID	MAKER_DT_STAMP	CHECKER...	CHECKER_DT_STAMP	MOD_NO	
1	OBPY_1	000	0	A	Y	MUPALI1	22-MAR-19	MUPALI1	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	OBPY_1	MON	1 01-JUN-22 09.00.00.3620000000	AM 02-JUN-22 07.00.00.0160000000	PM	8 Y	N
2	BPM_WORKERS_DET_2	OBPY_1	TUE	2 01-JUN-22 09.00.00.3620000000	AM 02-JUN-22 07.00.00.0160000000	PM	8 Y	N
3	BPM_WORKERS_DET_3	OBPY_1	WED	3 01-JUN-22 09.00.00.3620000000	AM 02-JUN-22 07.00.00.0160000000	PM	8 Y	N
4	BPM_WORKERS_DET_4	OBPY_1	THU	4 01-JUN-22 09.00.00.3620000000	AM 02-JUN-22 07.00.00.0160000000	PM	8 Y	N
5	BPM_WORKERS_DET_5	OBPY_1	FRI	5 01-JUN-22 09.00.00.3620000000	AM 02-JUN-22 07.00.00.0160000000	PM	8 Y	N
6	BPM_WORKERS_DET_6	OBPY_1	SAT	6 01-JUN-22 09.00.00.3620000000	AM 02-JUN-22 07.00.00.0160000000	PM	8 Y	N
7	BPM_WORKERS_DET_7	OBPY_1	SUN	7 (null)	(null)		8 N	N

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_SLAMASTER_ID	WORKFLOW_ID	TASK_ID	TASK_DEF_NAME
1	e4f1ee49-b3b6-48cd-b351-f9ceaeef2c82	2279f60d-873b-4df5-8807-1be13dddf6ea	6eff113b-a52d-41ee-bcc8-0ff920bf8bc7	(null)
2	9da35c98-7d62-4679-b239-ddc00433f857	2279f60d-873b-4df5-8807-1be13dddf6ea	6eff113b-a52d-41ee-bcc8-0ff920bf8bc7	de5ac0e1-8214-44d0-b9b3-4e7712ef00ca Review
3	9892d702-a344-435b-b3fd-c6e164ae722	2279f60d-873b-4df5-8807-1be13dddf6ea	6eff113b-a52d-41ee-bcc8-0ff920bf8bc7	73a95978-6b0e-4e95-a0e2-6def10f2710a QuickInitiat
4	4a5aa2ea-9fc3-437b-8f21-c3482309109d	2279f60d-873b-4df5-8807-1be13dddf6ea	6eff113b-a52d-41ee-bcc8-0ff920bf8bc7	af2df20b-d695-4744-aa9e-eae24df78063 Recommendation
5	57c3a339-5d06-470d-9bde-567650af1d46	2279f60d-873b-4df5-8807-1be13dddf6ea	6eff113b-a52d-41ee-bcc8-0ff920bf8bc7	4785b0fe-4121-40ae-9514-ebe5be44673e Approval
6	507e038a-a5c5-4c93-afb5-3f9ba6ea0c85	2279f60d-873b-4df5-8807-1be13dddf6ea	6eff113b-a52d-41ee-bcc8-0ff920bf8bc7	4e577bb1-c02c-40cb-b055-ba23ba718d9a FYC
7	c01e076d-b0e4-4eeb-8a5d-ac4c0f6c350	2279f60d-873b-4df5-8807-1be13dddf6ea	6eff113b-a52d-41ee-bcc8-0ff920bf8bc7	20dbc648-6027-4724-b728-94938782860b OnBoardingEr

WORKFLOW_NAME	START_TIME	EXPECTED_COMPLETION	ACTUAL_COMPLETION	SUB_PROCESS_NAME	HOLD_FLAG	SUB_PROCESS_FLAG
1	CPOB	(null)	(null)	(null)	(null)	(null)
2	CPOB	06-JUN-22 10.27.49.0000000000	AM 06-JUN-22 10.32.49.0000000000	AM 06-JUN-22 10.36.23.1260000000	AM (null)	(null)
3	CPOB	06-JUN-22 10.23.57.0000000000	AM 06-JUN-22 10.28.57.0000000000	AM 06-JUN-22 10.24.18.1390000000	AM (null)	(null)
4	CPOB	06-JUN-22 10.36.23.0000000000	AM 06-JUN-22 10.41.23.0000000000	AM 06-JUN-22 10.45.06.0620000000	AM (null)	(null)
5	CPOB	06-JUN-22 10.45.07.0000000000	AM 06-JUN-22 10.50.07.0000000000	AM 06-JUN-22 10.45.24.1940000000	AM (null)	(null)
6	CPOB	06-JUN-22 10.24.18.0000000000	AM 06-JUN-22 10.29.18.0000000000	AM 06-JUN-22 10.24.43.9200000000	AM (null)	(null)
7	CPOB	06-JUN-22 10.24.44.0000000000	AM 06-JUN-22 10.29.44.0000000000	AM 06-JUN-22 10.27.49.4740000000	AM (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 10.36.23.1260000000	AM (null)	(null)	COMPLETED	(null)	0	5 06-JUN-22 10.32.49.0000000000	AM
3	22 10.24.18.1390000000	AM (null)	(null)	COMPLETED	(null)	0	5 06-JUN-22 10.28.57.0000000000	AM
4	22 10.45.06.0620000000	AM (null)	(null)	COMPLETED	(null)	0	5 06-JUN-22 10.41.23.0000000000	AM
5	22 10.45.24.1940000000	AM (null)	(null)	COMPLETED	(null)	0	5 06-JUN-22 10.50.07.0000000000	AM
6	22 10.24.43.9200000000	AM (null)	(null)	COMPLETED	(null)	0	5 06-JUN-22 10.29.18.0000000000	AM
7	22 10.27.49.4740000000	AM (null)	(null)	COMPLETED	(null)	0	5 06-JUN-22 10.29.44.0000000000	AM

ID	WORKFLOW_ID	WORKFLOW_NAME	INCLUDE_BRN_HLDY	INCLUDE_CURR_HLDY	INCLUDE_HOLD_TIME	INCLUDE_OFF_BRN
1 2279f60d-873b-4df5-8807-1beb12dd6fea	6eff113b-a52d-41ee-bcc8-0ff920bf8bc7	CPOB	N	N	N	N

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.

2.12.3.1 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

2.12.3.2 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

2.12.3.3 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

2.12.3.4 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

2.13 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>

Setting up Dynamic Task Allocation

2.13.1.1 Plato Configuration

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

The screenshot shows the Oracle WebLogic Server Administration Console for the 'Plato-Orch_ManagedServer'. The 'Server Start' tab is active, displaying configuration options for the Node Manager. The 'Arguments' field is populated with the following parameters:

```
Dplato.cmc.default.user=ADMINUSER1 -
Dplato.cmc.default.brn=000 -
Dplato.orchestrator.enableSLA=false -
Dplato.orchestrator.enableDynamicAllocation=true -
Dmulti.entity.enabled=true
```

The 'Security Policy File' field is also visible, with a note indicating it should be the directory and filename on the machine running the Node Manager.

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

2.13.1.2 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.

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

2.13.1.3 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 16: Create Rule With Multiple Output

Create Rule

New + Add Section

Rules

▼ **Basic Info**

Code: Rule1
Select Existing rule:

Description: Testrule
Rule Version:

Product Processor: SMS

Tag:

▼ **Section1**

Expression Builder

+ Add Expression

☐ Facts Select F = At

☐ Facts Select F =

Output

☐ TEXT Enter Text Value Enter Description

☐ TEXT Enter Text Value Enter Description

Else

☐ TEXT Enter Text Value Enter Description

☐ TEXT Enter Text Value Enter Description

Expression

IF (&&)
Output Section1
Else

Save

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**.

2.13.1.4 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 17: Create Rule Group

Create Rulegroup

New

Group Name: required

Product Processor: OBCR

Tag:

Required

Evaluate All Rules: ☐

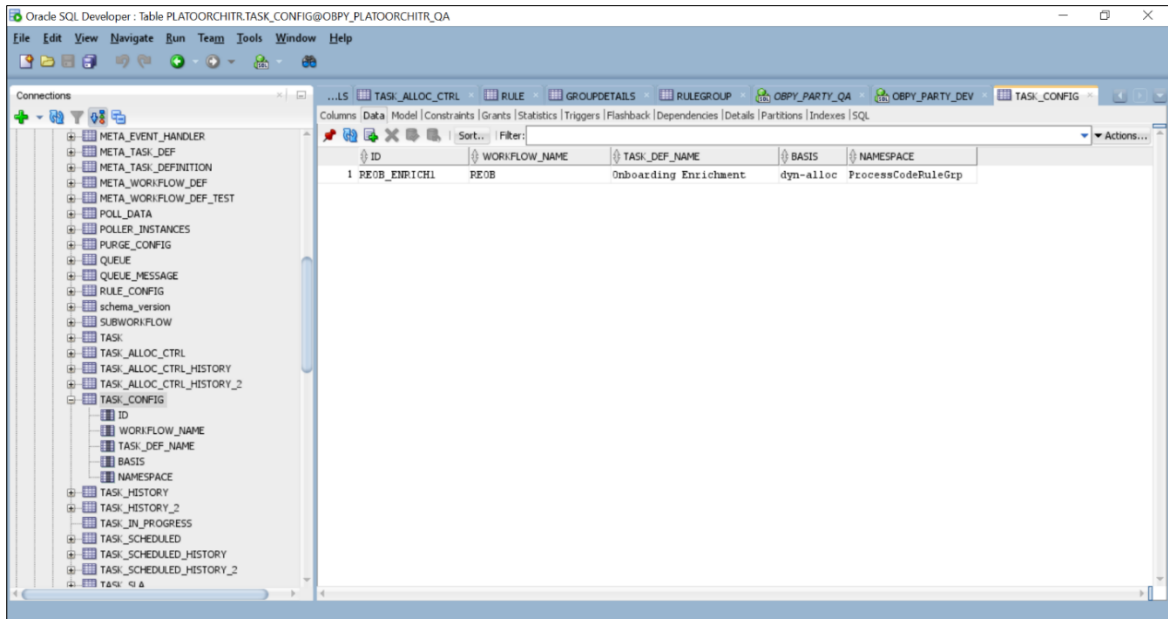
OS_EQL_100000 (OS is Equal To 100000 1)

Save

2.13.1.5 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

Task Allocation Process

NOTE:

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...	REOB	Onboarding Enrichment	MURALI2	18-MAY-22 ...	11b85c...
7	31f09ed0-40be-4...	3e29f645-9606-4a...	REOB	Onboarding Enrichment	MURALI2	18-MAY-22 ...	1cdfdc...
8	31de40ae-7b86-4...	436fcbbe-4168-47...	REOB	Onboarding Enrichment	MURALI2	18-MAY-22 ...	1d5723...
9	bb6f6f47a-fe7f-4...	62cc626e-98b1-42...	REOB	Onboarding Enrichment	MURALI2	18-MAY-22 ...	1a4451...
10	e4f2251a-70ce-4...	63790acc-6f1e-41...	REOB	Onboarding Enrichment	MURALI2	18-MAY-22 ...	19728a...
11	d587f498-58db-4...	76943031-6941-41...	REOB	Onboarding Enrichment	MURALI2	18-MAY-22 ...	104708...
12	edd740cf-ce18-4...	7806f07a-fbdd-4c...	REOB	Onboarding Enrichment	MURALI2	18-MAY-22 ...	1da4a2...
13	9db89e87-09dc-4...	7fb0d08c-2621-4f...	REOB	Onboarding Enrichment	MURALI2	18-MAY-22 ...	12c3fa...
14	b388c580-819c-4...	90b49dec-f685-4f...	REOB	Onboarding Enrichment	MURALI2	18-MAY-22 ...	18b914...
15	5ea3ac18-ef59-4...	9233b30a-2545-44...	REOB	Onboarding Enrichment	MURALI2	18-MAY-22 ...	1174c8...
16	906faa4c-1a62-4...	a0027564-e47a-42...	REOB	Onboarding Enrichment	MURALI2	18-MAY-22 ...	1818b3...
17	c18afe2a-16f6-4...	ae49dd6e-79ac-47...	REOB	Onboarding Enrichment	MURALI2	18-MAY-22 ...	179b89...
18	4c6d872f-2c83-4...	ae9ee73e-5ab2-44...	REOB	Onboarding Enrichment	MURALI2	18-MAY-22 ...	1b5924...
19	f4848fc8-1288-4...	be16add2-073a-4d...	REOB	Onboarding Enrichment	MURALI2	18-MAY-22 ...	17cae1...
20	b5f4e8af-6fc8-4...	c526d4c5-e97a-49...	REOB	Onboarding Enrichment	MURALI2	18-MAY-22 ...	164c78...
21	782bd68e-144d-4...	ca2df745-0dac-40...	REOB	Onboarding Enrichment	MURALI2	18-MAY-22 ...	162e11...
22	f9d748da-8373-4...	dc07bc60-4066-41...	REOB	Onboarding Enrichment	MURALI2	18-MAY-22 ...	166c0a...
23	9fab7f46-7590-4...	df740fa6-6ac2-4e...	REOB	Onboarding Enrichment	MURALI2	18-MAY-22 ...	109916...
24	8f4232f8-b6a0-4...	e0bae2c6-7342-4f...	REOB	Onboarding Enrichment	MURALI2	18-MAY-22 ...	1c75ee...
25	89673326-a55e-4...	e378d2c1-c095-4b...	REOB	Onboarding Enrichment	MURALI2	18-MAY-22 ...	1fb3f8...

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

Postman Collection for Rules APIs:

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



plato-rule.postman_
ollection.json

2.14 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.

Setting up Multi-Level Authorization

2.14.1.1 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



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.snbonprshared1.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
```

- 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

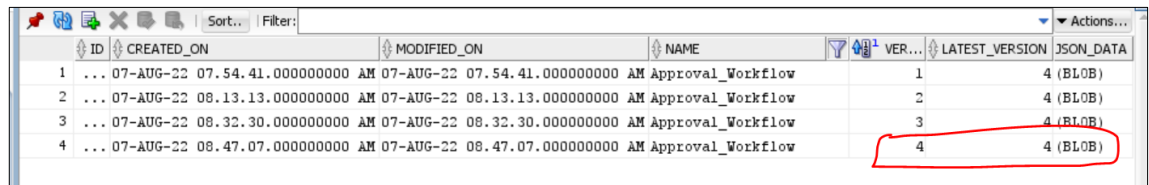
NAME → Process-code . For eg: REOB, CPOB, Approval_Sub_Workflow etc

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	07-AUG-22 07.54.41.000000000	AM Approval_Workflow	1	4 (BLOB)	
2	07-AUG-22 08.13.13.000000000	07-AUG-22 08.13.13.000000000	AM Approval_Workflow	2	4 (BLOB)	
3	07-AUG-22 08.32.30.000000000	07-AUG-22 08.32.30.000000000	AM Approval_Workflow	3	4 (BLOB)	
4	07-AUG-22 08.47.07.000000000	07-AUG-22 08.47.07.000000000	AM Approval_Workflow	4	4 (BLOB)	

- 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
  }
}

```

2.14.1.2 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.

2.15 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

2.16 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**

2.17 Regional Configuration

Regional configuration framework is provided by plato to enables to configure products within OBMA framework as per regional requirements. OBPY uses regional framework to configure following parameter type as per the regional configuration.

Features	Use – Case
Mandatory – Yes/No	Some party fields will be mandatory in some geographies while some others maybe mandatory in other geographies. Using regional framework, optional fields in base product can be made mandatory.
Field Visibility – Yes/No	Some party fields will be visible in some geographies while some others maybe visible in other geographies. Using regional framework, optional fields in base product can be made visible or hidden.
Data Type Validation (Regular Expression)	Using regional framework, a field can be validated for field input such as identity number to accept only numeric value upto 9 numbers etc.
Default Value	Using regional framework, field input can be default on launch of screen such as country code as US in Country of Resident field.
Field Label	Using regional framework, field label can be changed as per generic convention in a specific region such as Resident Status change to Citizenship status in US region.

To configure OBPY related regional configuration, following plato tables should be inserted with the required configuration.

PLATO_REGIONAL_TM_CONFIG_MASTER table

REGION_CODE	MODULE_CODE	IS_REGIONALIZATION_ENABLED	IS_SCREEN_REG_ENABLED	IS_SCREEN_VALIDATION_REG_ENABLED
US	REPORTSERVICE	Y	Y	N
IN	REPORTSERVICE	Y	Y	N
US	PLATOFEED	Y	N	N
IN	PLATOFEED	Y	Y	Y

The description for the columns in the above image is explained below:

- For a particular REGION_CODE, there can be multiple MODULE_CODE (app Ids) as mentioned in the PLATO_REGIONAL_TM_CONFIG_MASTER table.

- Maintain a value 'Y' in the IS_REGIONALIZATION_ENABLED flag for regionalization and troubleshooting.
- To enable screen regionalization, maintain a value 'Y' in the IS_SCREEN_REG_ENABLED flag.

NOTE: If the IS_SCREEN_REG_ENABLED flag is maintained as 'N' and the IS_REGIONALIZATION_ENABLED flag is maintained as 'Y' then the regional fields do not appear on the screen and label changes will not reflect.

- To enable the service side validations, maintain a value as 'Y' in the IS_SCREEN_VALIDATION_REG_ENABLED flag.

PLATO_REGIONAL_TM_SCREEN_CONFIG table

REGION_CODE	MODULE_CODE	CCA_NAME	FIELD_ID	IS_MANDATORY	IS_VISIBLE	DEF_VALUE	PATTERN
IN	REPORTSERVICE	fsgbu-ob-reports-mn	cnt	Y	Y		
US	REPORTSERVICE	fsgbu-ob-reports-mn	outformat	Y	Y	PDF	
US	REPORTSERVICE	fsgbu-ob-reports-mn	text-area	Y	Y		[a-zA-Z]{3,}
IN	REPORTSERVICE	fsgbu-ob-reports-mn	outformat	Y	Y	PNG	
IN	REPORTSERVICE	fsgbu-ob-reports-mn	name	Y	Y		[a-zA-Z]{3,}
US	REPORTSERVICE	fsgbu-ob-reports-mn	state	Y	Y		

The description for the columns in the above image are explained below:

- For a particular REGION_CODE, there can be multiple MODULE_CODE (app Ids) as mentioned in the PLATO_REGIONAL_TM_CONFIG_MASTER table.
- Maintain the name of the CCA in the CCA_NAME for the particular regional field belongs.
- Maintain the ID attribute of the regional field in the FIELD_ID column.
- To enable the regional field, maintain the value as "Y" in the IS_MANDATORY column.
- To configure the visibility of the regional field, maintain the value as 'Y' in the IS_VISIBLE column.
- Update the DEF_VALUE column to display the default value (when the screen launches) in the regional field.
- The regExp pattern based on which UI validation should happen, should be maintained in the PATTERN column.

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)