

Oracle® Banking Virtual Account Management

Oracle Banking Routing Hub Integration Guide



Release 14.7.1.0.0

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The Oracle logo, consisting of a solid red square with the word "ORACLE" in white, uppercase, sans-serif font centered within it.

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Oracle Banking Virtual Account Management Oracle Banking Routing Hub Integration Guide, Release 14.7.1.0.0

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Preface

Purpose

This guide provides information about the APIs configured in Oracle Banking Virtual Account Management through Oracle Banking Routing Hub. These APIs are configured to use the jars directly for the endpoint for different APIs like amount block, transaction journaling etc.

Audience

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

Table 1-1 Audience

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

Acronyms and Abbreviations

The list of the acronyms and abbreviations that the used in this guide are as follows:

Table 1-2 Acronyms and Abbreviations

Acronyms and Abbreviation	Description
API	Application Programming Interface
ECA	External Credit Approval
REST	Representational State Transfer
URL	Uniform Resource Locator

List of Topics

This guide is organized as follows:

Table 1-3 List of Topics

Topics	Description
Integration Guide	This topic provides information about the APIs configured in Oracle Banking Virtual Account Management through Oracle Banking Routing Hub.

2

Integration Guide

This topic provides information about the APIs configured in Oracle Banking Virtual Account Management through Oracle Banking Routing Hub.

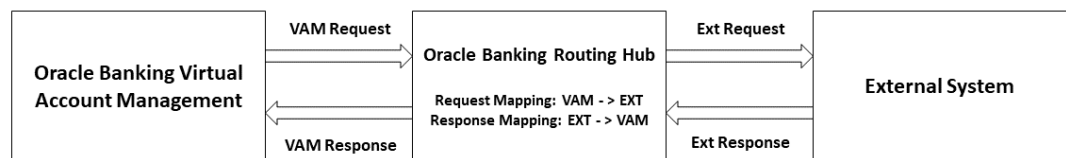
- [Introduction](#)
This topic provides the overview about Oracle Banking Routing Hub.
- [APIs configured using Oracle Banking Routing Hub](#)
This topic describes about the various APIs configured using Oracle Banking Routing Hub.

2.1 Introduction

This topic provides the overview about Oracle Banking Routing Hub.

Oracle Banking Routing Hub enables seamless & standardised integrations between FSGBU Banking Products using configurations provided as part of the product Infrastructure.

Figure 2-1 Oracle Banking Routing Hub Integration



For more details on configuration, refer to ***Routing Hub Configuration User Guide***.

2.2 APIs configured using Oracle Banking Routing Hub

This topic describes about the various APIs configured using Oracle Banking Routing Hub.

- [DDA Implementation](#)
This topic provides the API information for DDA Implementation.
- [EXTERNAL ACCOUNT Implementation](#)
This topic provides the API information for EXTERNAL ACCOUNT Implementation.
- [Oracle Banking Payments Implementation](#)
This topic provides the API information for Oracle Banking Payments Implementation.
- [Interest and Charges Implementation](#)
This topic provides the API information for Interest and Charges Implementation.

- [Oracle Banking Liquidity Management Implementation](#)
This topic provides the API information for Oracle Banking Liquidity Management Implementation.
- [Oracle Banking Host to Host Implementation](#)
This topic provides the API information for Oracle Banking Host to Host Implementation.

2.2.1 DDA Implementation

This topic provides the API information for DDA Implementation.

The following APIs are configured using Oracle Banking Routing Hub.

Table 2-1 DDA Implementation - Parameters

API	Host	Version
closeECA	FCUBS OBA	14.1 / 14.4 14.7
EAC	FCUBS OBA	14.1 / 14.4 14.7
createECA	FCUBS OBA	14.1 / 14.4 14.7
handofftoDDA	FCUBS OBA	14.1 / 14.4 14.7

The following Service Providers and Consumer Services needs to be configured in Oracle Banking Routing Hub:

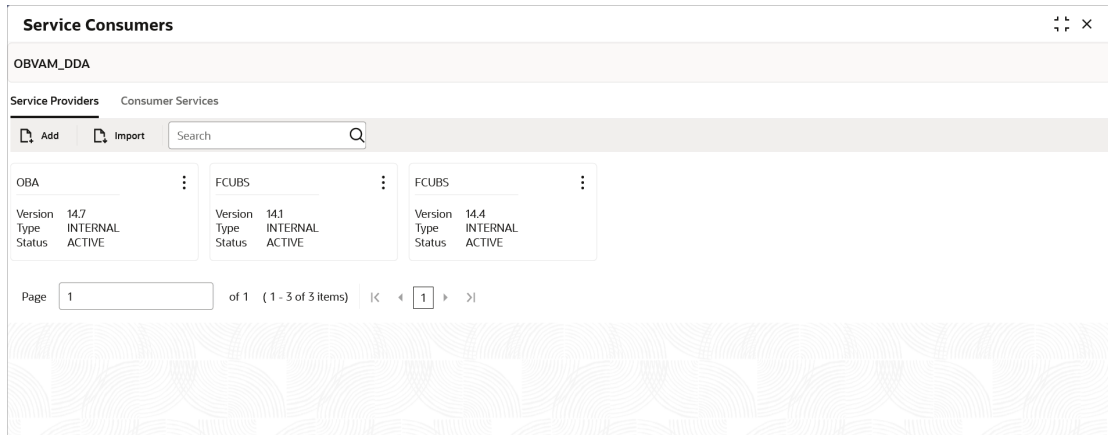
- [Service Providers - DDA](#)
This topic describes about the service providers configuration for DDA systems.
- [Environment Variable Configuration for Oracle Banking Accounts](#)
This topic describes the systematic instruction to configure the environment variables for Oracle Banking Accounts.
- [Consumer Services - DDA](#)
This topic describes about the consumer services required for DDA Implementation.

2.2.1.1 Service Providers - DDA

This topic describes about the service providers configuration for DDA systems.

Multiple DDA providers are added to configure FCUBS 14.1 and FCUBS 14.4. They use SOAP APIs for request/response. Oracle Banking Virtual Account Management also supports the integration to Oracle Banking Accounts 14.7. They use REST APIs for request/response.

Figure 2-2 Service Providers - DDA



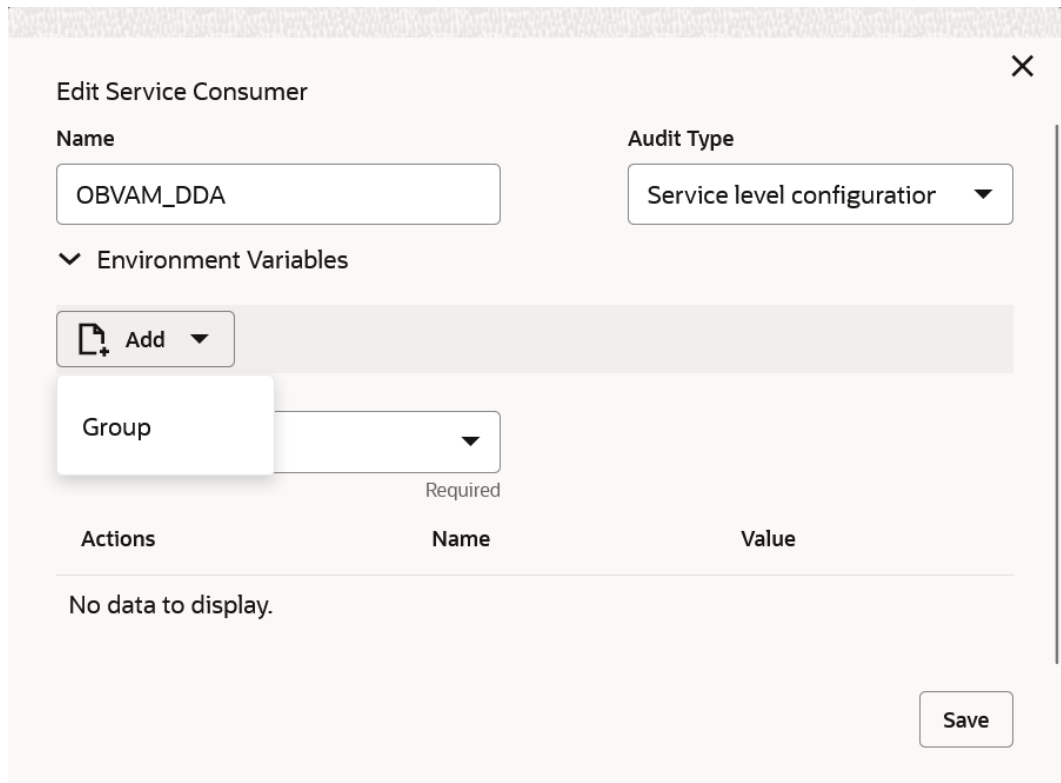
2.2.1.2 Environment Variable Configuration for Oracle Banking Accounts

This topic describes the systematic instruction to configure the environment variables for Oracle Banking Accounts.

1. On **Service Consumer** screen, click **Action** icon on the right corner of the **OBVAM_DDA** tile.
2. Click **Edit** button from the list.

The **Edit Service Consumer** screen displays.

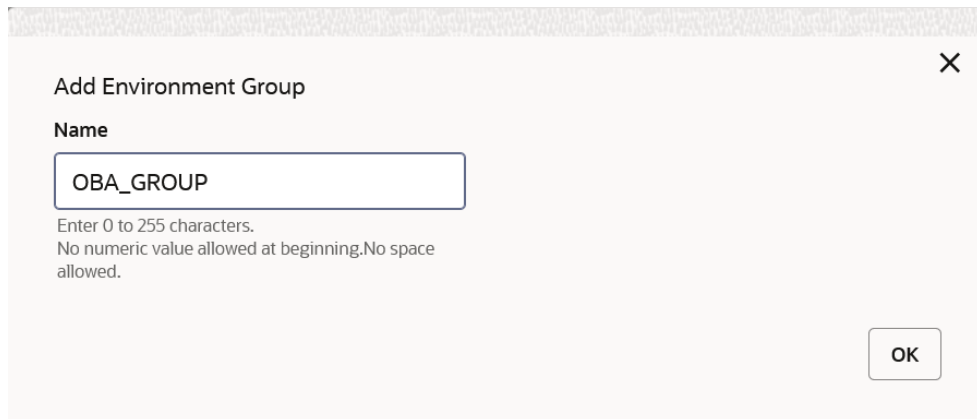
Figure 2-3 Edit Service Consumer



3. Under **Environment Variables** section, click **Add** button.
4. Click **Group** from the dropdown list.

The **Add Environment Group** screen displays.

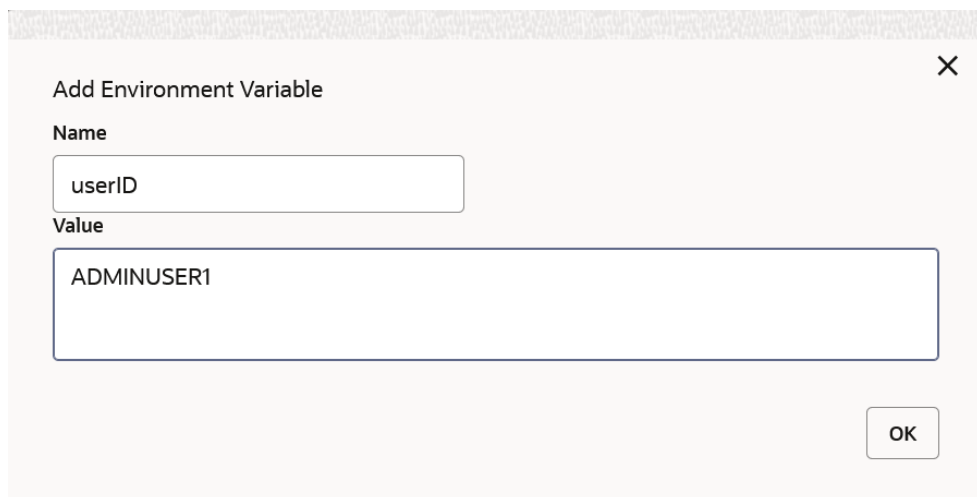
Figure 2-4 Add Environment Group



5. On the **Add Environment Group** screen, create the environment group for Oracle Banking Accounts.
6. Click **OK** to add the environment group.
7. Under **Environment Variables** section, click **Add** button.
8. Click **Variable** from the dropdown list.

The **Add Environment Variable** screen displays.

Figure 2-5 Add Environment Variable



9. On the **Add Environment Variable** screen, specify the following parameters.

Table 2-2 Environment Variables - Parameters

Name	Value
userId	Header user ID
branchCode	header branch code
ContentType	application/json
handoff_Block_appId	CDDAPPTBSAPP
EAC_appid	CDDAPPACCNTAPP
entityID	header entity ID

- Click **OK** button to add the environment variables.

The **Edit Service Consumer - Review** screen displays.

Figure 2-6 Edit Service Consumer - Review

Edit Service Consumer

Name: Audit Type:

Environment Variables

Group:

Actions	Name	Value
⋮	userId	ADMINUSER1

Save

- Once all the required environment variables are configured, click **Save** button to save the service consumer.

2.2.1.3 Consumer Services - DDA

This topic describes about the consumer services required for DDA Implementation.

The below endpoints must be configured under Consumer Services in Oracle Banking Routing Hub:

- Create an amount block (createECA)
- Close/release amount block (closeECA)

3. External account check (EAC)
4. Create a transaction (handofftoDDA)

Figure 2-7 Consumer Services - DDA

Actions	Name	Description
⋮	closeECA	Close External Credit Approval
⋮	createECA	Create External Credit Approval
⋮	EAC	External Account Check
⋮	handoffToDda	hand off the transaction to dda

As part of Multi-Entity changes, add the EntityId of DDA System under <fcub:ENTITY></fcub:ENTITY> tags in velocity template for each operation as shown below.

Figure 2-8 View Transformation

```

<fcub:FCUBS_HEADER> - - -
<fcub:SOURCE>OBVAM</fcub:SOURCE>
<fcub:UBSCOMP>FCUBS</fcub:UBSCOMP>
<fcub:USERID>SRKADAM2</fcub:USERID>
<fcub:ENTITY>ENTITY_ID1</fcub:ENTITY>
<fcub:BRANCH>$body.currentBranchCode</fcub:BRANCH>
    
```

createECA

This API enables the user to create an amount block.

SERVICE-CONSUMER = "OBVAM_DDA"

SERVICE-CONSUMER-SERVICE="createECA"

Request:

```
{
  "currentUserID": "",
  "currentBranchCode": "",
  "ddaSystem": "",
  "transactionrefNo": "",
  "creatEextRefNo": "",
  "ecaReferenceNo": "",
  "source": "",
  "effectiveDate": "",
  "ecaBlockDetailsDTO":
  [
    {
      "accountNo": "",
      "accCurrency": "",
      "accountbranch": "",
      "blockStatus": "",
      "drCrIndicator": "",
      "sweepRequired": "",
      "partialBlkReqd": "",
      "remarks": "",
      "requestBlkAmount": "",
      "approvedBlkAmount": "",
      "outstandingBlkAmount": "",
      "partialReleaseAllowed": ""
    }
  ]
}
```

Response:

```
{
  "MSGSTAT":"" (SUCCESS/FAILURE)
  "{ERROR_CODE}":"{ERROR_DESC}" (if MSGSTAT = FAILURE)
}
```

closeECA

This API enables the user to close/release the amount block.

SERVICE-CONSUMER = "OBVAM_DDA"

SERVICE-CONSUMER-SERVICE = "closeECA"

Request:

```
{
  "currentUserID": "",
  "currentBranchCode": "",
  "ddaSystem": "",
  "ecaReferenceNo": "",
  "ddaReferenceNo": "",
  "createextRefNo": "",
  "source": "",
  "ecaCloseDetailsDTO":
  [
    {
      "accountNo": "",
      "accCurreny": "",
      "accountbranch": "",
      "blockStatus": ""
    }
  ]
}
```

Response:

```
{
  "MSGSTAT":""
}
```

EAC

This API enables the user to perform an external account check.

SERVICE-CONSUMER = "OBVAM_DDA"

SERVICE-CONSUMER-SERVICE = "ECA"

Request:

```
{
  "currentUserID": "",
  "currentBranchCode": "",
  "ddaSystem": "",
  "realAccountNo": "",
  "transactionDate": "",
  "drCrIndicator": "",
  "externalRefNo": "",
  "mcyFlag": "",
  "customerBranchCode": "",
  "ccy": "",
}
```

Response:

```
{
  "isValidAccount":""
}
```

handoffToDda

This API enables the user to create a transaction.

SERVICE-CONSUMER = "OBVAM_DDA"

SERVICE-CONSUMER-SERVICE = "handoffToDda"

Request:

```
{
  "currentUserID": "",
  "currentBranchCode": "",
  "action": "",
  "sourceReferenceNo": "",
  "ddaSystem": "",
  "externalReferenceNo": "",
  "source": "",
  "ecaEntriesDetailsDTO":
  [
    {
      "module": "",
      "transactionRefNo": "",
      "eventserialNo": "",
      "event": "",
      "accBranch": "",
      "accountNumber": "",
      "accCCY": "",
      "drCrIndicator": "",
      "amttag": "",
      "lcyAmt": 0,
      "trnDate": "",
      "valueDate": "",
      "ecaRefernceNo": "",
      "blockReleaseStatus": "",
      "chequeMandatory": "",
      "availBalReqd": "",
      "intraDayRelease": "",
      "availInfo": "",
      "salaryCredit": "",
      "sweepRequried": "",
      "escrow": "",
      "AMLMontoring": "",
      "considerForAccActivity": "",
      "balUpdThruPC": "",
      "txnNarrative": "",
      "txnCode": "",
      "relatedCustomer": "",
      "fcyAmount": 0,
      "exchrates": 0,

```

```
        "accountEntryType": "",  
        "forceDebit": ""  
    }  
]  
}
```

Response:

```
{  
  "MSGSTAT": ""  
}
```

2.2.2 EXTERNAL ACCOUNT Implementation

This topic provides the API information for EXTERNAL ACCOUNT Implementation.

This API is used when the account number needs to be generated externally. Oracle Banking Virtual Account Management's account number generation will be suppressed and externally generated account number will be assigned.

The following API is configured using Oracle Banking Routing Hub:

1. ext_acc

- Host - Ext_Acc_Provider
- Version - 14.4
- API - /api-gateway/cmc-obrh-services/route/dispatch
- Headers –
 - SERVICE-CONSUMER - OBVAM_EXTERNAL_ACCOUNT
 - SERVICE-CONSUMER-SERVICE - ext_acc
 - REQUIRED_ACTION - VA / IBAN / VA_IBAN

**Note:**

VA / IBAN / VA_IBAN – Choose of the option based on Branch Parameter configuration.

The following Service Providers and Consumer Services needs to be configured in Oracle Banking Routing Hub:

- [Service Providers - EXTERNAL ACCOUNT](#)
This topic describes about the service providers configuration for EXTERNAL ACCOUNT.
- [Consumer Services - EXTERNAL ACCOUNT](#)
This topic describes about the consumer services required for EXTERNAL ACCOUNT Implementation.

2.2.2.1 Service Providers - EXTERNAL ACCOUNT

This topic describes about the service providers configuration for EXTERNAL ACCOUNT.

To configure the external system in Oracle Banking Routing Hub, import WSDL / Swagger provided by the external system.

Figure 2-9 Service Providers - EXTERNAL ACCOUNT

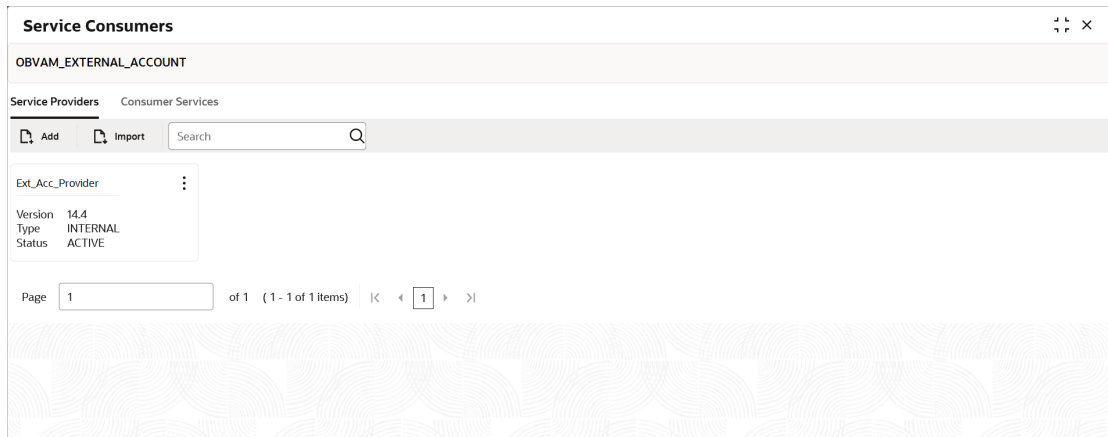
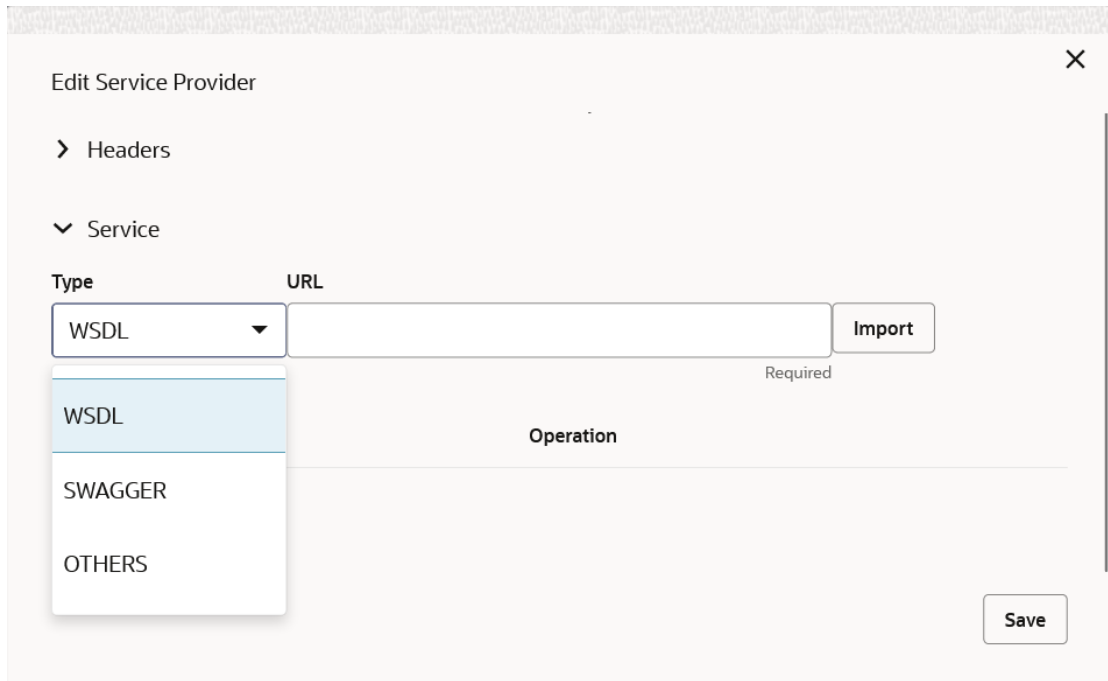


Figure 2-10 Service Providers - Edit Service Provider



2.2.2.2 Consumer Services - EXTERNAL ACCOUNT

This topic describes about the consumer services required for EXTERNAL ACCOUNT Implementation.

The below endpoint must be configured under Consumer Services in Oracle Banking Routing Hub:

1. Generate the account number externally (ext_acc)

Figure 2-11 Consumer Services - EXTERNAL ACCOUNT

Service Consumers		
OBVAM_EXTERNAL_ACCOUNT		
Consumer Services		
Actions	Name	Description
⋮	ext_acc	ext acc gen

Page 1 of 1 (1 - 1 of 1 items)

ext_acc

This API enables the user to generate the account number externally.

Request:

```
{
  "branchCode": "",
  "virtualEntityId": "",
  "virtualEntityName": "",
  "realCustomerNo": "",
  "defaultAccCcy": "",
  "virtualAccProduct": "",
  "virtualAccountNo": "",
  "ibanRequired": "",
  "ibanAccNo": "",
  "realAccountNo": "",
  "virtualAccountName": "",
  "addressLine1": "",
  "addressLine2": "",
  "addressLine3": "",
  "addressLine4": "",
  "pincode": "",
  "countryCode": "",
  "accountPurpose": "",
  "interestCalcReq": "",
  "accountFrozen": "",
  "balChkForDebits": "",
  "balAvailabilityOptions": "",
  "fixedAmtFromPool": "",
}
```



```

    "overdraftAllowed": "",
    "fixedAmount": "",
    "creditTxnsAllowed": "",
    "debitTxnsAllowed": "",
    "status": "",
    "realAccLinkage": "",
    "realAccountCcy": "",
    "realAccountBrn": "",
    "accOpenDate": "",
    "accClosureDate": "",
    "lastActivityDate": "",
    "odStartDate": "",
    "odEndDate": "",
    "additionalFields": "",
    "StructuredAddressDTO": [],
    "sanctionChkStatus": ""
  }

```

Response:

```

{
  "virtualAccountNo": "",
  "ibanAccNo": ""
}

```

2.2.3 Oracle Banking Payments Implementation

This topic provides the API information for Oracle Banking Payments Implementation.

The following APIs is configured for Oracle Banking Payments Implementation using Oracle Banking Routing Hub:

1. **PendingPaymentQuery**
2. **StrcAddressServiceCreate**
3. **StrcAddressServiceModify**
4. **StrcAddressServiceClose**
5. **StrcAddressServiceReopen**
6. **CreateExtVirtualAcc**
7. **ModifyExtVirtualAcc**
8. **CloseExtVirtualAcc**
9. **ReopenExtVirtualAcc**

SERVICE-CONSUMER - OBVAM_OBPM

- API - /api-gateway/cmcc-obr-services/route/dispatch
- Host - OBPM
- Version - 14.4

The following Service Providers and Consumer Services needs to be configured in Oracle Banking Routing Hub:

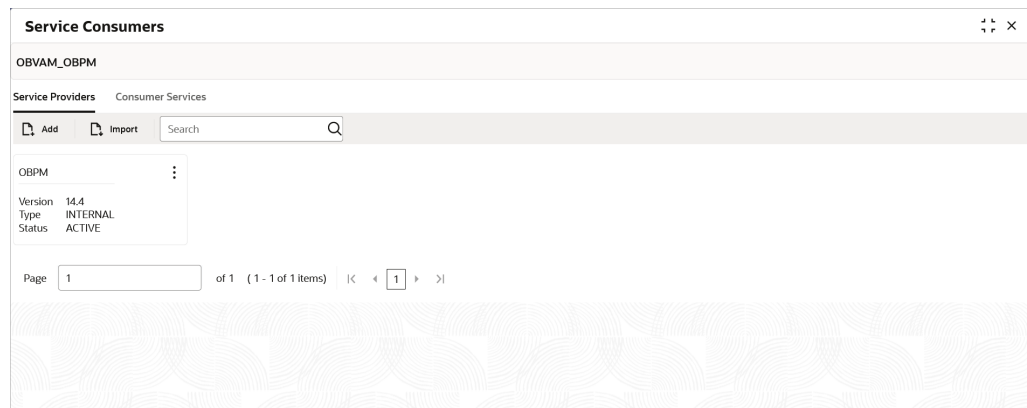
- [Service Providers - Oracle Banking Payments](#)
This topic describes about the service providers configuration for Oracle Banking Payments.
- [Consumer Services - Oracle Banking Payments](#)
This topic describes about the consumer services required for Oracle Banking Payments Implementation.

2.2.3.1 Service Providers - Oracle Banking Payments

This topic describes about the service providers configuration for Oracle Banking Payments.

To configure Oracle Banking Payments in Oracle Banking Routing Hub, import WSDL / Swagger provided by Oracle Banking Payments.

Figure 2-12 Service Providers - Oracle Banking Payments



2.2.3.2 Consumer Services - Oracle Banking Payments

This topic describes about the consumer services required for Oracle Banking Payments Implementation.

The below endpoints must be configured under Consumer Services in Oracle Banking Routing Hub:

1. Query for pending payment (PendingPaymentQuery)
2. Structure Address Create (StrcAddressServiceCreate)
3. Structure Address Modify (StrcAddressServiceModify)
4. Structure Address Close (StrcAddressServiceClose)
5. Structure Address Reopen (StrcAddressServiceReopen)
6. Create External VA (CreateExtVirtualAcc)
7. Modify External VA (ModifyExtVirtualAcc)
8. Close External VA (CloseExtVirtualAcc)
9. Reopen External VA (ReopenExtVirtualAcc)

Figure 2-13 Consumer Services - Oracle Banking Payments

Actions	Name	Description
⋮	StrcAddressServiceCreate	StrcAddressServiceCreate
⋮	StrcAddressServiceReopen	StrcAddressServiceReopen
⋮	CreateExtVirtualAcc	Create external Virtual Account
⋮	PendingPaymentQuery	Query for pending payment
⋮	ReopenExtVirtualAcc	ReopenExtVirtualAcc
⋮	ModifyExtVirtualAcc	ModifyExtVirtualAcc
⋮	StrcAddressServiceClose	StrcAddressServiceClose
⋮	StrcAddressServiceModify	StrcAddressServiceModify
⋮	CloseExtVirtualAcc	CloseExtVirtualAcc

PendingPaymentQuery

This API enables the user to query Oracle Banking Payments system for pending payments during account closure.

SERVICE-CONSUMER = "OBVAM_OBPM"

SERVICE-CONSUMER-SERVICE= "PendingPaymentQuery"

Request:

```
{
  "txnDet":
  {
    "customerAccount": ""
  },
  "header":
  {
    "functionId": "PMDPENDP",
    "action": "EXECUTEQUERY",
    "channel": "REST",
    "source": "MANL",
    "moduleId": "PM",
    "userId": "USER02", ** this user needs to be update as per OBPM user
    "userBranch": "HEL", ** this branch needs to be updated as per OBPM
    user's branch
    "transactionId": ""
  }
}
```

Response:

```
{
  "status": "",
  "errorDTOList":
  [
    {
      "errorCode": "",
      "errorMessage": "",
      "additionalInfo": ""
    }
  ]
}
```

StrcAddressServiceCreate

This API enables the user to create structure address.

Request / Response for OBPM Version 14.4

SERVICE-CONSUMER = "OBVAM_OBPM"

SERVICE-CONSUMER-SERVICE= "StrcAddressServiceCreate"

Request

```
{
  "department": "",
  "subDepartment": "",
  "streetName": "",
  "buildingNumber": "",
  "buildingName": "",
  "floor": "",
  "postbox": "",
  "room": "",
  "postcode": "",
  "townName": "",
  "townLocationName": "",
  "districtName": "",
  "countrySubDivision": "",
  "strCountry": "",
  "virtualAccountNo": "",
  "branchId": ""
}
```

Response:

```
{
  "MSGSTAT": ""
}
```

StrcAddressServiceModify

This API enables the user to modify structure address.

Request / Response for OBPM Version 14.4

SERVICE-CONSUMER = "OBVAM_OBPM"

SERVICE-CONSUMER-SERVICE= "StrcAddressServiceModify"

Request:

```
{
  "department": "",
  "subDepartment": "",
  "streetName": "",
  "buildingNumber": "",
  "buildingName": "",
  "floor": "",
  "postbox": "",
  "room": "",
  "postcode": "",
  "townName": "",
  "townLocationName": "",
  "districtName": "",
  "countrySubDivision": "",
  "strrCountry": "",
  "virtualAccountNo": "",
  "branchId": ""
}
```

Response:

```
{
  "MSGSTAT": ""
}
```

StrcAddressServiceClose

This API enables the user to close structure address.

Request / Response for OBPM Version 14.4

SERVICE-CONSUMER = "OBVAM_OBPM"

SERVICE-CONSUMER-SERVICE= "StrcAddressServiceClose"

Request:

```
{
  "department": "",
  "subDepartment": "",
  "streetName": "",
  "buildingNumber": "",
  "buildingName": "",
  "floor": "",
  "postbox": "",
  "room": "",
  "postcode": "",
  "townName": "",
}
```

```
    "townLocationName": "",
    "districtName": "",
    "countrySubDivision": "",
    "strrCountry": "",
    "virtualAccountNo": "",
    "branchId": ""
  }
```

Response:

```
{
  "MSGSTAT": ""
}
```

StrcAddressServiceReopen

This API enables the user to reopen structure address.

Request / Response for OBPM Version 14.4

SERVICE-CONSUMER = "OBVAM_OBPM"

SERVICE-CONSUMER-SERVICE= "StrcAddressServiceReopen"

Request:

```
{
    "department": "",
    "subDepartment": "",
    "streetName": "",
    "buildingNumber": "",
    "buildingName": "",
    "floor": "",
    "postbox": "",
    "room": "",
    "postcode": "",
    "townName": "",
    "townLocationName": "",
    "districtName": "",
    "countrySubDivision": "",
    "strrCountry": "",
    "virtualAccountNo": "",
    "branchId": ""
  }
```

Response:

```
{
  "MSGSTAT": ""
}
```

CreateExtVirtualAcc

This API enables the user to create external virtual account.

Request / Response for OBPM Version 14.4

SERVICE-CONSUMER = "OBVAM_OBPM"

SERVICE-CONSUMER-SERVICE= "CreateExtVirtualAcc"

Request:

```
{
  "countryCode": "",
  "address4": " ",
  "address3": "",
  "address2": "",
  "address1": "",
  "ecaCheckReq": "",
  "accountClass": "",
  "acStatDormant": "",
  "acStatFrozen": "",
  "glStatBlocked": "",
  "acStatNoDr": "",
  "acStatNoCr": "",
  "acOpenDate": "",
  "custAcName": "",
  "custAcCcy": "",
  "customerNo": "",
  "sourceSystemAccBrn": "",
  "sourceSystemAccNo": "",
  "sourceSystem": "",
  "custAcIban": "",
  "hostCode": "",
  "custAccountNo": "",
  "branchId": ""
}
```

Response:

```
{
  "MSGSTAT": ""
}
```

ModifyExtVirtualAcc

This API enables the user to modify external virtual account.

Request / Response for OBPM Version 14.4

SERVICE-CONSUMER = "OBVAM_OBPM"

SERVICE-CONSUMER-SERVICE= "ModifyExtVirtualAcc"

Request:

```
{
  "countryCode": "",
  "address4": " ",
  "address3": "",
```

```

    "address2": "",
    "address1": "",
    "ecaCheckReq": "",
    "accountClass": "",
    "acStatDormant": "",
    "acStatFrozen": "",
    "glStatBlocked": "",
    "acStatNoDr": "",
    "acStatNoCr": "",
    "acOpenDate": "",
    "custAcName": "",
    "custAcCcy": "",
    "customerNo": "",
    "sourceSystemAccBrn": "",
    "sourceSystemAccNo": "",
    "sourceSystem": "",
    "custAcIban": "",
    "hostCode": "",
    "custAccountNo": "",
    "branchId": ""
  }

```

Response:

```

{
  "MSGSTAT": ""
}

```

CloseExtVirtualAcc

This API enables the user to close external virtual account.

Request / Response for OBPM Version 14.4

SERVICE-CONSUMER = "OBVAM_OBPM"

SERVICE-CONSUMER-SERVICE= "CloseExtVirtualAcc"

Request:

```

{
  "countryCode": "",
  "address4": "",
  "address3": "",
  "address2": "",
  "address1": "",
  "ecaCheckReq": "",
  "accountClass": "",
  "acStatDormant": "",
  "acStatFrozen": "",
  "glStatBlocked": "",
  "acStatNoDr": "",
  "acStatNoCr": "",
  "acOpenDate": "",
  "custAcName": "",

```



```

    "custAcCcy": "",
    "customerNo": "",
    "sourceSystemAccBrn": "",
    "sourceSystemAccNo": "",
    "sourceSystem": "",
    "custAcIban": "",
    "hostCode": "",
    "custAccountNo": "",
    "branchId": ""
  }

```

Response:

```

{
  "MSGSTAT": ""
}

```

ReopenExtVirtualAcc

This API enables the user to reopen external virtual account.

Request / Response for OBPM Version 14.4

SERVICE-CONSUMER = "OBVAM_OBPM"

SERVICE-CONSUMER-SERVICE= "ReopenExtVirtualAcc"

Request:

```

{
  "countryCode": "",
  "address4": "",
  "address3": "",
  "address2": "",
  "address1": "",
  "ecaCheckReq": "",
  "accountClass": "",
  "acStatDormant": "",
  "acStatFrozen": "",
  "glStatBlocked": "",
  "acStatNoDr": "",
  "acStatNoCr": "",
  "acOpenDate": "",
  "custAcName": "",
  "custAcCcy": "",
  "customerNo": "",
  "sourceSystemAccBrn": "",
  "sourceSystemAccNo": "",
  "sourceSystem": "",
  "custAcIban": "",
  "hostCode": "",
  "custAccountNo": "",
  "branchId": ""
}

```

Response:

```
{  
  "MSGSTAT": ""  
}
```

2.2.4 Interest and Charges Implementation

This topic provides the API information for Interest and Charges Implementation.

The following APIs are configured for DDA Implementation using Oracle Banking Routing Hub:

1. **fetchgfcScIcRate**
2. **closeIEAccount**
3. **CREATE_EXT_IC_GRP_PRD**
4. **fetchAccuredInt**
5. **CREATE_EXT_IC_GRP**
6. **liquidateInterest**
7. **fetchExtlCGrps**
8. **fetchPrdMapForGrp**
9. **CREATE_IC_ACCOUNT**
10. **vdbalMaster**

SERVICE-CONSUMER - OBVAM_IC

- Host - OBVAM
- Version - 14.4

The following Service Providers and Consumer Services needs to be configured in Oracle Banking Routing Hub:

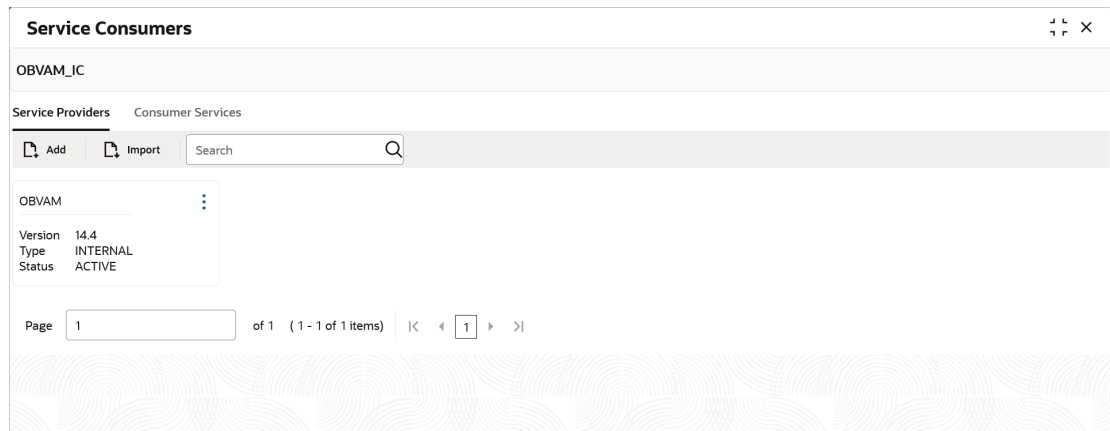
- [Service Providers - Interest and Charges](#)
This topic describes about the service providers configuration for Interest and Charges.
- [Consumer Services - Interest and Charges](#)
This topic describes about the consumer services required for Interest and Charges Implementation.

2.2.4.1 Service Providers - Interest and Charges

This topic describes about the service providers configuration for Interest and Charges.

To configure the Interest and Charges services in Oracle Banking Routing Hub, import WSDL / Swagger provided by Interest and charges services.

Figure 2-14 Service Providers - Interest and Charges



2.2.4.2 Consumer Services - Interest and Charges

This topic describes about the consumer services required for Interest and Charges Implementation.

The below endpoints must be configured under Consumer Services in Oracle Banking Routing Hub:

1. Fetch Interest Rate for A Virtual Account (fetchgcScIcRate)
2. Close Virtual Account (closeIEAccount)
3. Event for account group product mapping (CREATE_EXT_IC_GRP_PRD)
4. Fetch Accrued Interest (fetchAccruedInt)
5. Event to create account group (CREATE_EXT_IC_GRP)
6. Event to Liquidate accrued interest for a Virtual account (liquidateInterest)
7. Fetch Bank Level IC Group (fetchExtICGrps)
8. Fetch Product Map For Group (fetchPrdMapForGrp)
9. Virtual accounts creation to IC system (CREATE_IC_ACCOUNT)
10. Event to trigger Value dated balance fetch (vdbalMaster)

Figure 2-15 Consumer Services - Interest and Charges

Actions	Name	Description
⋮	fetchPrdMapForGrp	Fetch Product Map For Group
⋮	CREATE_EXT_IC_GRP	Event to create account group
⋮	fetchAccuredInt	Fetch Accured Interest
⋮	fetchgcScIcRate	Fetch Interest Rate For A Virtual Account
⋮	closeEAccount	Close Virtual Account In OBLM
⋮	liquidateInterest	Event to Liquidate accrued interest for a Virtual account
⋮	vdBalMaster	Posting to vdBalMaster
⋮	fetchExtICGrps	Fetch Bank Level IC Group
⋮	CREATE_EXT_IC_GRP_PRD	Event for account group product mapping
⋮	CREATE_IC_ACCOUNT	Virtual accounts creation to IC system

fetchgcScIcRate

This API enables the user to fetch the interest rates for a Virtual Account.

Request / Response

SERVICE-CONSUMER = "OBVAM_IC"

SERVICE-CONSUMER-SERVICE = "fetchgcScIcRate"

Request:

```
{
  "branch": "string",
  "account": "string",
  "extAccGrp": "string",
  "accGrp": "string",
  "dateFrom": "string",
  "dateTo": "string",
  "ccy": "string",
  "dateType": "string",
}
```

Response:

```
{
  "data":
  [
    {
```

```

    "aclass": "string",
    "productCode": "string",
    "ccyCode": "string",
    "udeEffDt": "string",
    "branchCode": "string",
    "RateCategory": "string",
    "productdesc": "string",
    "GenUdeValList":
    [
      {
        "udeId": "string",
        "udeDesc": "string",
        "udeType": "string",
        "udeValue": 0,
        "rateCode": "string",
        "tdRateCode": "string"
      }
    ]
  },
  "warnings":
  [
    {
      "warningCode": "string",
      "warningDesc": "string"
    }
  ],
  "errors":
  [
    {
      "errorCode": "string",
      "errorDesc": "string"
    }
  ]
}

```

closeIEAccount

This API enables the user to close a Virtual Account.

Request / Response

SERVICE-CONSUMER = "OBVAM_IC"

SERVICE-CONSUMER-SERVICE = "closeIEAccount"

Request:

```

{
  "source": "string",
  "branch": "string",
  "acc": "string",
  "currency": "string"
}

```

Response:

```
{
  "warnings":
  [
    {
      "warningCode": "string",
      "warningDesc": "string"
    }
  ],
  "errors":
  [
    {
      "errorCode": "string",
      "errorDesc": "string"
    }
  ]
}
```

CREATE_EXT_IC_GRP_PRD

This API enables the user to generate an event for account group product mapping.

Request / Response

SERVICE-CONSUMER = "OBVAM_IC"

SERVICE-CONSUMER-SERVICE = "CREATE_EXT_IC_GRP_PRD"

Request:

```
{
  "accGrp": "string",
  "accGrpDesc": "string",
  "accProdList":
  [
    {
      "productCode": "string",
      "productDescription": "string",
      "ccy": "string",
      "open": "string"
    }
  ]
}
```

Response:

```
{
  "warnings":
  [
    {
      "warningCode": "string",
      "warningDesc": "string"
    }
  ],
  "errors":
```

```
[
  {
    "errorCode": "string",
    "errorDesc": "string"
  }
]
```

fetchAccuredInt

This API enables the user to fetch the accrued Interest.

Request / Response

SERVICE-CONSUMER = "OBVAM_IC"

SERVICE-CONSUMER-SERVICE = "fetchAccuredInt"

Request:

```
{
  "brn": string,
  "acc": string,
  "source": string
}
```

Response:

```
{
  "data":
  {
    "brn": "string",
    "acc": "string",
    "source": "string",
    "totalAccrDr": 0,
    "totalAccrCr": 0,
    "accruedAmtList":
    [
      {
        "acc": "string",
        "brn": "string",
        "prod": "string",
        "frmNo": 0,
        "accruedAmt": 0,
        "drcr": "string"
      }
    ]
  },
  "warnings":
  [
    {
      "warningCode": "string",
      "warningDesc": "string"
    }
  ],
  "errors":
```

```
[
  {
    "errorCode": "string",
    "errorDesc": "string"
  }
]
```

CREATE_EXT_IC_GRP

This API enables the user to generate an event to create an account group.

Request / Response

SERVICE-CONSUMER = "OBVAM_IC"

SERVICE-CONSUMER-SERVICE = "CREATE_EXT_IC_GRP"

Request:

```
{
  "accGrp": "string"
  "accGrpDesc": "string"
  "extAccGrp": "string"
  "extAccGrpDesc": "string"
  "extAccGrpType": "string"
}
```

Response:

```
{
  "warnings":
  [
    {
      "warningCode": "string",
      "warningDesc": "string"
    }
  ],
  "errors":
  [
    {
      "errorCode": "string",
      "errorDesc": "string"
    }
  ]
}
```

liquidateInterest

This API enables the user to generate an event to liquidate accrued interest for a Virtual account.

Request / Response

SERVICE-CONSUMER = "OBVAM_IC"

SERVICE-CONSUMER-SERVICE = "liquidateInterest"

Request:

```
{
  "onliq":
  [
    {
      "branchCode": "string",
      "accountNumber": "string",
      "productCode": "string",
      "liquidationDate": "string"
    }
  ]
}
```

Response:

```
{
  "onliq":
  [
    {
      "msgStat": "string",
      "onliq": {},
      "warnings":
      [
        {
          "warningCode": "string",
          "warningDesc": "string"
        }
      ],
      "errors":
      [
        {
          "errorCode": "string",
          "errorDesc": "string"
        }
      ]
    }
  ]
}
```

fetchExtICGrps

This API enables the user to fetch a Bank-Level IC Group.

Request / Response

SERVICE-CONSUMER = "OBVAM_IC"

SERVICE-CONSUMER-SERVICE = "fetchExtICGrps"

Request:

```
{
  "accGrp": "string",
```

```
    "extAccGrpType": "string"  
  }  
}
```

Response:

```
{  
  "data":  
  {  
    "AccGrpList":  
    [  
      {  
        "accGrp": "string",  
        "accGrpDesc": "string",  
        "extAccGrpType": "string"  
      }  
    ]  
  },  
  "errors":  
  [  
    {  
      "errorCode": "string",  
      "errorDesc": "string"  
    }  
  ]  
}
```

fetchPrdMapForGrp

This API enables the user to fetch a Product Map for Group.

Request / Response

SERVICE-CONSUMER = "OBVAM_IC"

SERVICE-CONSUMER-SERVICE = "fetchPrdMapForGrp"

Request:

```
{  
  "accGrp": "string",  
  "productCode": "string",  
  "ccy": "string"  
}
```

Response:

```
{  
  "data":  
  {  
    "IcGrpPrdList":  
    [  
      {  
        "accGrp": "string",  
        "accGrpDesc": "string",  
        "accProdList":
```

```

    [
      {
        "productCode": "string",
        "productDescription": "string",
        "ccy": "string",
        "open": "string"
      }
    ]
  }
],
"errors":
[
  {
    "errorCode": "string",
    "errorDesc": "string"
  }
]
}

```

CREATE_IC_ACCOUNT

This API enables the user to create a Virtual account for the IC system.

Request / Response

SERVICE-CONSUMER = "OBVAM_IC"

SERVICE-CONSUMER-SERVICE = "CREATE_IC_ACCOUNT"

Request:

```

{
  "accMasterList":
  [
    {
      "acc": "string",
      "childAcc": "string",
      "accountClass": "string",
      "accType": "string",
      "acOpenDate": "string",
      "bookAcc": "string",
      "bookBrn": "string",
      "bookCcy": "string",
      "brn": "string",
      "calcAcc": "string",
      "ccy": "string",
      "custNo": "string",
      "consolChgAcc": "string",
      "intStartDate": "string",
      "sourceSystem": "string",
      "sourceSystemBrn": "string",
      "sourceSystemAcc": "string",
      "chargeBookAcc": "string",
      "chargeBookBrn": "string",
      "chargeBookCcy": "string",
      "chgStartDate": "string"
    }
  ]
}

```

```
    }
  ]
}
```

Response:

```
{
  "warnings":
  [
    {
      "warningCode": "string",
      "warningDesc": "string"
    }
  ],
  "errors":
  [
    {
      "errorCode": "string",
      "errorDesc": "string"
    }
  ]
}
```

vdbalMaster

This API enables the user to fetch a Virtual account balance.

Request / Response

SERVICE-CONSUMER = "OBVAM_IC"

SERVICE-CONSUMER-SERVICE = "vdbalMaster"

Request:

```
{
  "type" : "string",
  "extRefNo" : "string",
  "sourceCode" : "string",
  "vdBalList": [
    {
      "acc" : "string",
      "brn": "string",
      "ccy": "string",
      "valDt": "string"
    }
  ]
}
```

Response:

```
{
  "warnings":
  [
    {
```

```

        "warningCode": "string",
        "warningDesc": "string"
    }
  ],
  "errors": null
}

```

2.2.5 Oracle Banking Liquidity Management Implementation

This topic provides the API information for Oracle Banking Liquidity Management Implementation.

The following API is configured for Oracle Banking Liquidity Management Implementation using Oracle Banking Routing Hub:

1. **getLMAccount** SERVICE-CONSUMER - OBVAM_OBLM

- Host - OBVAM
- Version - 14.4

The following Service Providers and Consumer Services needs to be configured in Oracle Banking Routing Hub:

- [Service Providers - Oracle Banking Liquidity Management](#)
This topic describes about the service providers configuration for Oracle Banking Liquidity Management.
- [Consumer Services - Oracle Banking Liquidity Management](#)
This topic describes about the consumer services required for Oracle Banking Liquidity Management Implementation.

2.2.5.1 Service Providers - Oracle Banking Liquidity Management

This topic describes about the service providers configuration for Oracle Banking Liquidity Management.

To configure the Oracle Banking Liquidity Management in Oracle Banking Routing Hub, import WSDL / Swagger provided by Oracle Banking Liquidity Management.

Figure 2-16 Service Providers - Oracle Banking Liquidity Management

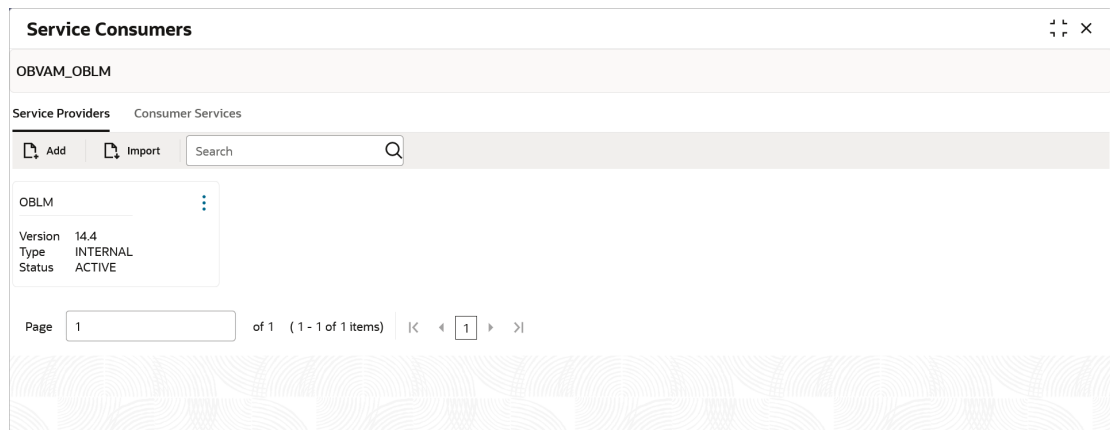


Figure 2-17 Service Providers - Edit Service Provider

2.2.5.2 Consumer Services - Oracle Banking Liquidity Management

This topic describes about the consumer services required for Oracle Banking Liquidity Management Implementation.

The below endpoint must be configured under Consumer Services in Oracle Banking Routing Hub:

1. Get the Liquidity Management account lists (getLMAccount)

Figure 2-18 Consumer Services - Oracle Banking Liquidity Management

getLMAccount

This API enables the user to get the Liquidity Management account lists.

Request:

```
{
  "includeAllAccount": "",
  "authStat": "",
  "multiCcyAccountNumber": "",
  "isProspect": "",
  "acyAvailableBal": "",
  "offset": "",
  "isExternal": "",
  "includecloseandunauth": "",
  "recordStat": "O",
  "accountNumber": "1000242",
  "isActive": "",
  "sourceSystemAccNo": "",
  "branchCode": "",
  "isNotional": "",
  "limit": "",
  "customerId": "",
  "currency": "",
  "isResident": ""
}
```

Response:

```
{
  "body": {
    "data": {
      "data": [
        {
          "keyId": "1a939627-4629-4b30-bd10-ebdc01d7ba27",
          "makerId": "OBDX02",
          "makerDateStamp": "2018-11-30T13:05:31.000+00:00",
          "checkerId": "OBDX02",
          "checkerDateStamp": "2018-11-30T13:05:31.000+00:00",
          "modNo": 1,
          "recordStatus": "O",
          "authStatus": "A",
          "onceAuth": "Y",
          "doerRemarks": null,
          "approverRemarks": null,
          "sourceSystem": "OBDX",
          "sourceSystemAccNo": null,
          "iban": null,
          "updatedIban": null,
          "logCode": "fb79f58f-8206-465d-9bdd-72fb8cccd31b",
          "accountNumber": "OBDX_SYSACC_8665",
          "accountDescription": "OBDX_SYSACC_8665 Notional
Account",
          "branchCode": "HEL",
          "bankCode": "0020",
          "cityId": "Sydney",
          "countryId": "AUS",
          "currency": "GBP",

```

```

    "customerId": "000464",
    "customerName": "XXX XXXXXX",
    "accCreatedDate": null,
    "accOpenDate": "2020-03-26",
    "accClosedDate": null,
    "acyAvailableBal": null,
    "acyCurrentBal": null,
    "lastBalUpdateTime": null,
    "isActive": "A",
    "isExternal": "External",
    "isResident": "R",
    "isNotional": "Y",
    "acyCasaBlockedAmt": null,
    "accCategory": "S",
    "drLimit": null,
    "crLimit": null,
    "ilRouteCode": null,
    "lineId": null,
    "limitCcy": null,
    "region": "Asia/Kolkata",
    "uncollFundsLimit": null,
    "uncollAvailable": null,
    "balCompParticipation": null,
    "odLimit": null,
    "isDebitUnlimited": "N",
    "groupCode": null,
    "groupDescription": null,
    "isNoCredit": null,
    "isNoDebit": null,
    "isFrozen": null,
    "isBlocked": null,
    "countryCode": null,
    "address4": null,
    "address3": null,
    "address2": null,
    "address1": null,
    "isDormant": null,
    "isProspect": "N",
    "isVirtual": null,
    "isICRequired": null,
    "isMultiCurrencyAccount": null,
    "multiCcyAccountNumber": null,
    "noBalanceHandling": "Last Balance",
    "isBalanceOnline": "Y",
    "branchDate": "2020-03-30",
    "isRegulatedDebits": "N",
    "entityID": "HEL_ENTITY",
    "entityName": "HEL_ENTITY_NAME",
    "bankName": "Futura Bank",
    "branchName": "HEL FC UNIVERSAL BANK",
    "countryName": "Australia",
    "simAccount": null,
    "LmmTmMultiCcyAccountDTO": null
  },
}

```



```
        "paging": {
            "totalResults": 1,
            "links": {
                "next": null,
                "prev": null
            }
        },
        "messages": {
            "keyId": null,
            "status": "SUCCESS",
            "codes": [],
            "requestId": null,
            "httpStatusCode": "OK",
            "overrideAuthLevelsReqd": null
        }
    }
}
```

2.2.6 Oracle Banking Host to Host Implementation

This topic provides the API information for Oracle Banking Host to Host Implementation.

The following callback API is configured for Oracle Banking Electronic Data Exchange Implementation using Oracle Banking Routing Hub.

1. **parseResponse**
2. **handoffResponse**
3. **outgoingFileCallbackResponse**

SERVICE-CONSUMER - OBVAM_OBEDX

- Host - OBVAM
- Version - 14.6

The following Service Providers and Consumer Services needs to be configured in Oracle Banking Routing Hub:

- [Service Providers - Oracle Banking Electronic Data Exchange](#)
This topic describes about the service providers configuration for Oracle Banking Electronic Data Exchange Implementation.
- [Consumer Services - Oracle Banking Electronic Data Exchange](#)
This topic describes about the consumer services required for Oracle Banking Electronic Data Exchange Implementation.

2.2.6.1 Service Providers - Oracle Banking Electronic Data Exchange

This topic describes about the service providers configuration for Oracle Banking Electronic Data Exchange Implementation.

To configure the Oracle Banking Electronic Data Exchange in Oracle Banking Routing Hub, import WSDL / Swagger provided by Oracle Banking Electronic Data Exchange.

Figure 2-19 Service Providers - Oracle Banking Electronic Data Exchange

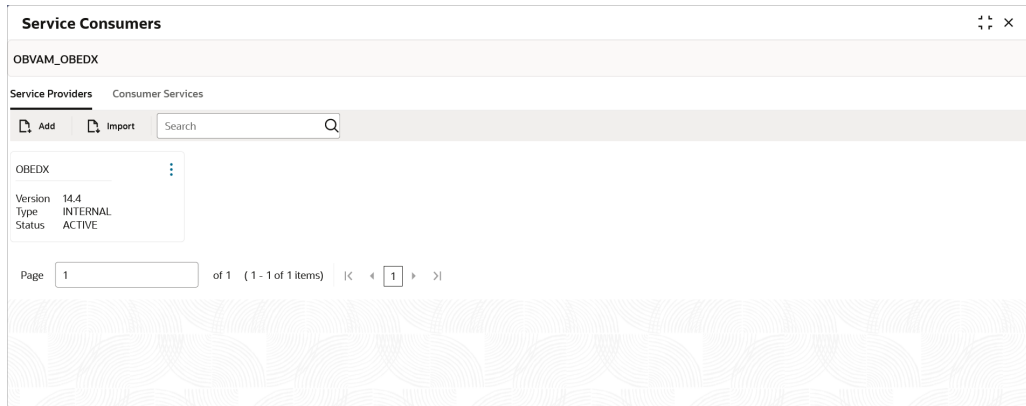
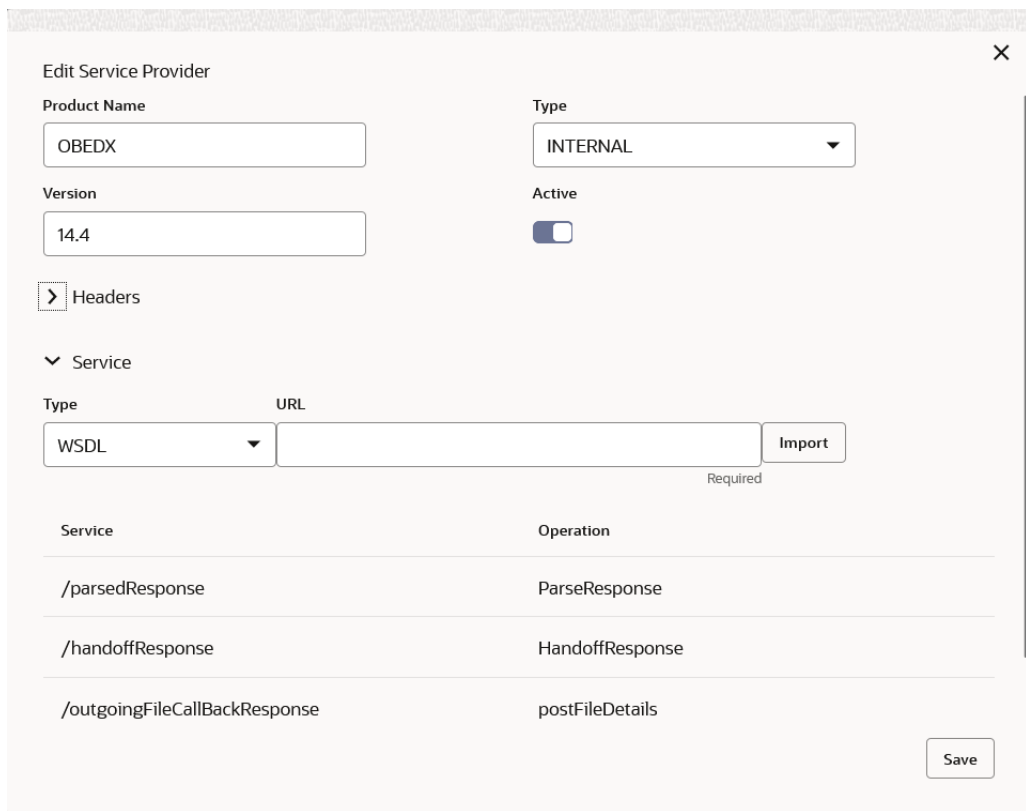


Figure 2-20 Service Providers - Edit Service Provider



In Request Transformation, template needs to be added for ParseResponse consumer service.

```
{
  "external-parser-output":
  {
    "output-file":$custom.toJson($body)
  }
}
```

```

    }
}

```

Figure 2-21 View Transformation

View Transformation

Name	Active
T1	On

Product Processor

Product Processor	Implementation
OBEDX 14.4	OBEDX_Default

Service

ParseResponse - /parsedResponse

- > Service
- > Headers
- > Path Parameters
- > Query Parameters

Request Transformation

Body Type	Template Type
RAW	VELOCITY

Template

```

{
  "external-parser-output":
  {
    "output-file": $custom.toJson($body)
  }
}

```

Extended Template

2.2.6.2 Consumer Services - Oracle Banking Electronic Data Exchange

This topic describes about the consumer services required for Oracle Banking Electronic Data Exchange Implementation.

The following callback API is configured for Oracle Banking Electronic Data Exchange Implementation using Oracle Banking Routing Hub

Figure 2-22 Consumer Services - OBVAM_OBEDX

Actions	Name	Description
⋮	postFileDetails	Callback with ack file
⋮	ParseResponse	Callback with parsed response
⋮	HandoffResponse	Callback with handoff response

Figure 2-23 Edit Transformation - OBVAM_OBEDX

Edit Transformation

Name: Active:

Product Processor: Implementation:

Service:

Service

Actions	Name	Value
⋮	userld	EDXWORKFLOW
⋮	anndd	OBEDX

HandoffResponse**Request:**

```
{
  "fileRefId": 110634,
  "internalRefId": null,
  "workflowInstanceId": "",
  "fileStatus": "",
  "cacheVersion": 0,
  "fileOriginalName": "",
  "fileModifiedName": "",
  "fileSize": 692,
  "formatName": null,
  "createdBy": null,
  "createdDate": 1651721400000,
  "modifiedBy": null,
  "modifiedDate": 1651721405000,
  "transactionId": "",
  "transactionName": null,
  "transactionModNo": 1,
  "formatId": "",
  "formatModNo": 1,
  "channelId": "",
  "channelModNo": 1,
  "corporateId": "",
  "corporateModNo": 1,
  "corporateRef": null,
  "totalRecords": 2,
  "successRecords": 0,
  "failedRecords": 0,
  "totalAmount": null,
  "totalAmountCurrency": null,
  "messageId": null,
  "initiatingPartyName": null,
  "initiatingPartyId": "",
  "initiatingPartyCD": null,
  "initiatingPartyAddress": {},
  "groupStatus": null,
  "groupStatusReasonCode": null,
  "noOfHandoff": null,
  "handoffId": null,
  "corelationLevel": null,
  "recordPersist": false,
  "chunkSize": 2,
  "chunkIndex": 1,
  "totalChunks": 1,
  "retryCount": 0,
  "retryForChunk": [],
  "fieldData": {
    "handoffId": null,
    "initiatingPartyName": null
  },
  "recordList": [{
```

```

"recordId": 971614727779409900,
"fileRefId": 110634,
"modifiedBy": "",
"modifiedDate": 1523052010000,
"txnStatus": "",
"statusCodes": "",
"transactionId": "",
"transactionModNo": 1,
"createdDate": null,
"createdBy": null,
"fxRate": null,
"convertedCurrency": null,
"convertedAmount": null,
"fieldData": {
  "odStartDate": "",
  "virtualAccountName": "",
  "debitTxnsAllowed": "",
  "fixedAmtFromPool": null,
  "odEndDate": "",
  "transferInVirAccNo": null,
  "accountPurpose": "",
  "action": "new",
  "addressLine1": "",
  "buildingNumber": "",
  "addressLine2": "",
  "addressLine3": "",
  "addressLine4": "",
  "pincode": "",
  "townName": "",
  "overdraftSanctionAmount": null,
  "defaultAccCcy": "",
  "postBox": "",
  "virtualParentAcc": null,
  "realCustomerNo": "",
  "branchCode": "",
  "virtualEntityId": "",
  "transferOutVirAccNo": null,
  "buildingName": "",
  "structureCode": null,
  "postCode": "",
  "virtualAccountNo": null,
  "interestCalcReq": "N",
  "realAccountBrn": null,
  "ibanAccNo": null,
  "countrySubDivision": "",
  "realAccountCcy": null,
  "accountFrozen": "N",
  "subDepartment": "",
  "realAccountNo": null,
  "streetName": "",
  "ibanRequired": "",
  "countryCode": "",
  "balChkForDebits": "",
  "department": "",
  "floor": "",

```

```

        "virtualAccProduct": "",
        "townLocationName": "",
        "districtName": "",
        "overdraftAllowed": "",
        "creditTxnsAllowed": "",
        "strrCountry": "",
        "room": "",
        "realAccLinkage": "",
        "remarks": "",
        "balAvailabilityOptions": ""
    },
    "exceptionList": [{
        "exceptionCode": "",
        "exceptionArgs": "",
        "lineNo": 1,
        "CreatedDate": null
    }]
}],
"exceptionList": []
}

```

Response:

```

{
  "body": {
    "messages": {
      "status": "SUCCESS",
      "codes": [{
        "information": true,
        "override": false,
        "error": false,
        "overrideAuthLevelsReqd": 0,
        "desc": "Record Created successfully",
        "code": "EDX-HCB-000",
        "language": "ENG",
        "type": "I"
      }],
      "httpStatusCode": "OK"
    },
    "data": {
      "links": []
    }
  }
}

```

ParseResponse

Request:

```

{
  "fileRefId": 110635,
  "internalRefId": null,
  "workflowInstanceId": "",
  "fileStatus": "",

```

```

"cacheVersion": 0,
"fileOriginalName": "",
"fileModifiedName": "",
"fileSize": 692,
"formatName": "CSV",
"createdBy": null,
"createdDate": 1651721490130,
"modifiedBy": null,
"modifiedDate": null,
"transactionId": "",
"transactionName": "Open Virtual Account",
"transactionModNo": 1,
"formatId": "",
"formatModNo": 1,
"channelId": "",
"channelModNo": 1,
"corporateId": "",
"corporateModNo": 1,
"corporateRef": null,
"totalRecords": 2,
"successRecords": 0,
"failedRecords": 0,
"totalAmount": null,
"totalAmountCurrency": null,
"messageId": null,
"initiatingPartyName": null,
"initiatingPartyId": "",
"initiatingPartyCD": null,
"initiatingPartyAddress": {},
"groupStatus": null,
"groupStatusReasonCode": null,
"noOfHandoff": null,
"handoffId": null,
"corelationLevel": null,
"recordPersist": false,
"chunkSize": 2,
"chunkIndex": 1,
"totalChunks": 1,
"retryCount": 0,
"retryForChunk": [
  0
],
"fieldData": {
  "handoffId": null,
  "initiatingPartyName": null
},
"recordList": [{
  "recordId": 971615103983312900,
  "fileRefId": 110635,
  "modifiedBy": null,
  "modifiedDate": null,
  "txnStatus": "",
  "statusCodes": null,
  "transactionId": "",
  "transactionModNo": 1,

```



```
"createdDate": null,
"createdBy": "",
"fxRate": null,
"convertedCurrency": null,
"convertedAmount": null,
"fieldData": {
  "odStartDate": "",
  "accLiqdAllowed": "",
  "virtualAccountName": "",
  "debitTxnsAllowed": "Y",
  "fixedAmtFromPool": "",
  "odEndDate": "1990-01-01",
  "transferInVirAccNo": "",
  "accountPurpose": "",
  "action": "new",
  "addressLine1": "",
  "buildingNumber": "88",
  "addressLine2": "",
  "addressLine3": "",
  "addressLine4": "",
  "pincode": "",
  "townName": "",
  "defaultAccCcy": "",
  "postBox": "",
  "virtualParentAcc": "",
  "realCustomerNo": "",
  "branchCode": "",
  "virtualEntityId": "",
  "transferOutVirAccNo": "",
  "buildingName": "",
  "structureCode": "",
  "postCode": "",
  "virtualAccountNo": "",
  "interestCalcReq": "",
  "realAccountBrn": "",
  "ibanAccNo": "",
  "countrySubDivision": "",
  "realAccountCcy": "",
  "accountFrozen": "",
  "subDepartment": "",
  "realAccountNo": "",
  "streetName": "",
  "ibanRequired": "",
  "countryCode": "",
  "balChkForDebits": "",
  "fixedAmount": "",
  "department": "",
  "floor": "8",
  "virtualAccProduct": "",
  "townLocationName": "",
  "districtName": "",
  "overdraftAllowed": "",
  "creditTxnsAllowed": "",
  "strrCountry": "",
  "room": "",
```

```

        "realAccLinkage": "",
        "remarks": "",
        "balAvailabilityOptions": ""
    },
    "exceptionList": [{
        "exceptionCode": "",
        "exceptionArgs": "",
        "lineNo": 1,
        "CreatedDate": 1651721492536
    }]
}],
"exceptionList": []
}

```

Response:

```

{
  "body": {
    "messages": {
      "status": "SUCCESS",
      "codes": [{
        "information": true,
        "override": false,
        "error": false,
        "overrideAuthLevelsReqd": 0,
        "desc": "Record Created successfully",
        "code": "EDX-PCB-000",
        "language": "ENG",
        "type": "I"
      }],
      "httpStatusCode": "OK"
    },
    "data": {
      "links": []
    }
  }
}

```

postFileDetails

Request:

```

{
  "ackFileDTO":
  [
    {
      "index": 1,
      "type": "TEXT",
      "content":
      "{\\"fileRefId\\":16652,\\"ackfileRefId\\":16652,\\"ackfileName\\":\\"ACME_CSV
      _Open
      Virtual
      Account_20221010000004\\",\\"ackfileChannelName\\":\\"AutoCorpOutgoing\\"}
    }
  ]
}

```

```

\"ackResponseIdentifier\": \"RESPONSE_FILE\", \"ackfileStatus\": \"EDX-
COF-000\",

\"chunkSize\": 0, \"chunkIndex\": 0, \"totalChunks\": 0, \"totalRecords\": 1,
  \"recordList\":
  [{ \"recordId\": 1033332842200104960, \"lineNo\": null,
    \"status\": \"EDX-COR-000\", \"exceptionList\":
  []}]
}
  ],
  \"file\":
  [
    {
      \"fileName\": \"ACME_CSV_Open Virtual
Account_20221010000004.csv\",
      \"file\": \"file_0\",
      \"index\": 0,
      \"type\": \"FILE\"
    }
  ]
}

```

Response:

```

{
  \"headers\": {},
  \"body\": {
    \"data\": {
      \"messages\": {
        \"status\": \"SUCCESS\",
        \"codes\": [
          {
            \"information\": false,
            \"override\": false,
            \"error\": false,
            \"code\": \"EDX-ADS-009\"
          }
        ]
      }
    },
    \"messages\": {
      \"keyId\": null,
      \"status\": \"SUCCESS\",
      \"codes\": [],
      \"requestId\": null,
      \"statusCode\": \"OK\",
      \"overrideAuthLevelsReqd\": null
    }
  }
}

```

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