

**Integration Guide**

# **Oracle Banking Liquidity Management**

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## Oracle Banking Liquidity Management Integration Guide

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# 1 About this manual

## 1.1 Purpose

This document provides integration service recommendations for Oracle Banking Liquidity Management.

## 1.2 Audience

This guide is primarily intended for Developers for Oracle Banking Liquidity Management and third party or vendor software's. Some information may be relevant to IT decision makers and users of the application are also included. Readers are assumed to possess basic operating system, network, and system administration skills with awareness of vendor/third- party software's and knowledge of Oracle Banking Liquidity Management application.

## 1.3 Scope

### 1.3.1 Read Sections Completely

Each section should be read and understood completely. Instructions should never be blindly applied. Relevant discussion may occur immediately after instructions for an action, so be sure to read whole sections before beginning implementation.

### 1.3.2 Understand the Purpose of this Guidance

The purpose of the guidance is to provide necessary integration services for OBLM.

### 1.3.3 Limitations

This guide is limited in its scope to integration services guideline for developers.

## 1.4 List of Chapters

This manual is organized into the following chapters:

Chapter	Description
FCUBS Integration	This chapter helps you to Integrate Oracle FLEXCUBE Universal Banking with Oracle Banking Liquidity Management.
Payments Integration	This chapter helps you to Integrate Oracle Banking Payments with Oracle Banking Liquidity Management.

VAM Integration	This chapter helps you to Integrate Oracle Banking Virtual Account Management with Oracle Banking Liquidity Management.
OBDX Integration	This chapter helps you to Integrate Oracle Banking Digital Experience with Oracle Banking Liquidity Management.
OBRH Integration	This chapter helps you to Integrate Oracle Banking Routing Hub with Oracle Banking Liquidity Management.

## 1.5 Acronym and Abbreviation

The following are some of the acronyms and abbreviations you are likely to find in the manual.

<b>Abbreviation</b>	<b>Description</b>
<b>FCUBS</b>	Oracle FLEXCUBE Universal Banking
<b>OBDX</b>	Oracle Banking Digital Experience
<b>OBLM</b>	Oracle Banking Liquidity Management
<b>OBPM</b>	Oracle Banking Payments
<b>OBRH</b>	Oracle Banking Routing Hub
<b>OBVAM</b>	Oracle Banking Virtual Account Management

## 2 Steps to configure Service Providers (FCUBS, OBPM & OBVAM) for OBLM

### 2.1 Initial Setup

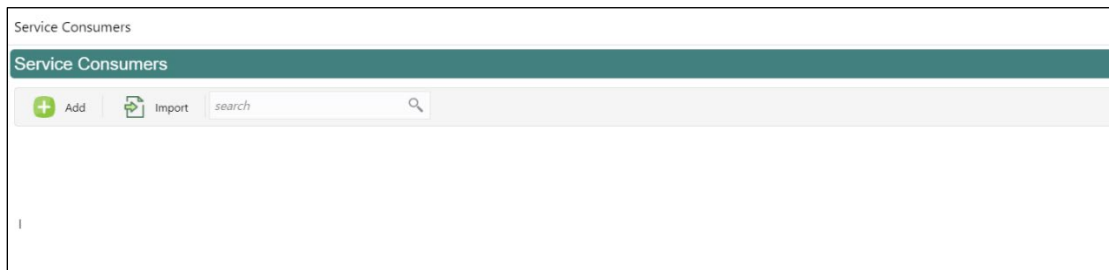
Follow the below steps to configure OBRH.

1. Save and import the configuration file attached below file incase if is not done during installation set-up

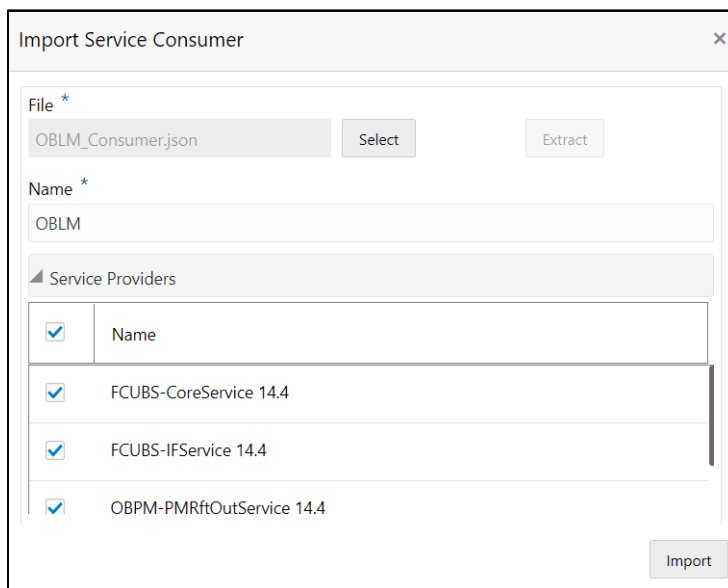


OBLM\_Consumer.json

2. Ignore below steps 3 & 4 if the files are already imported during installation.
3. Select menu Core Maintenance -> Routing Hub -> Service Consumers.

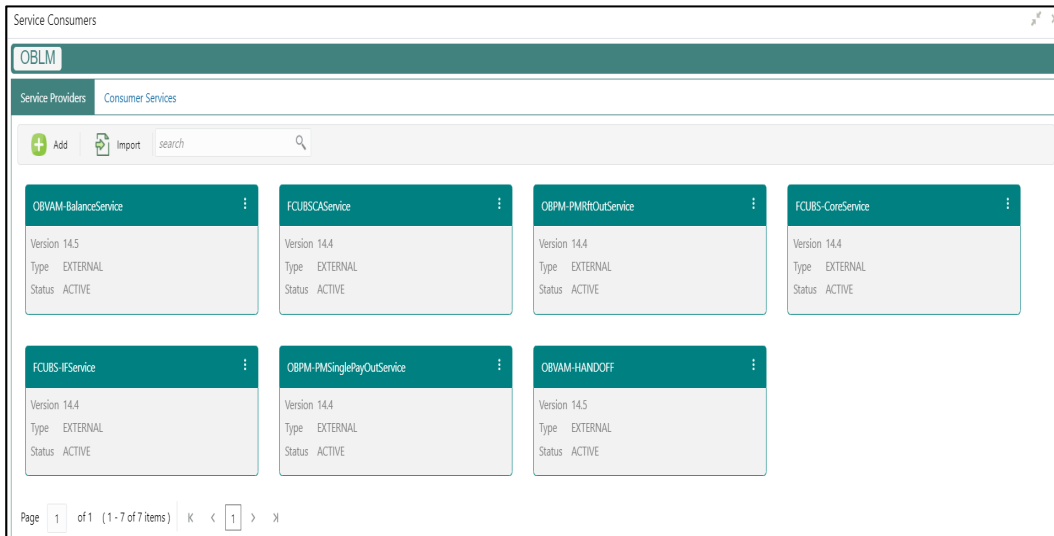


4. Click **Import** button, select file **OBLM\_Consumer.json** and click on **Extract** button and then choose all the service providers and click on **Import**.



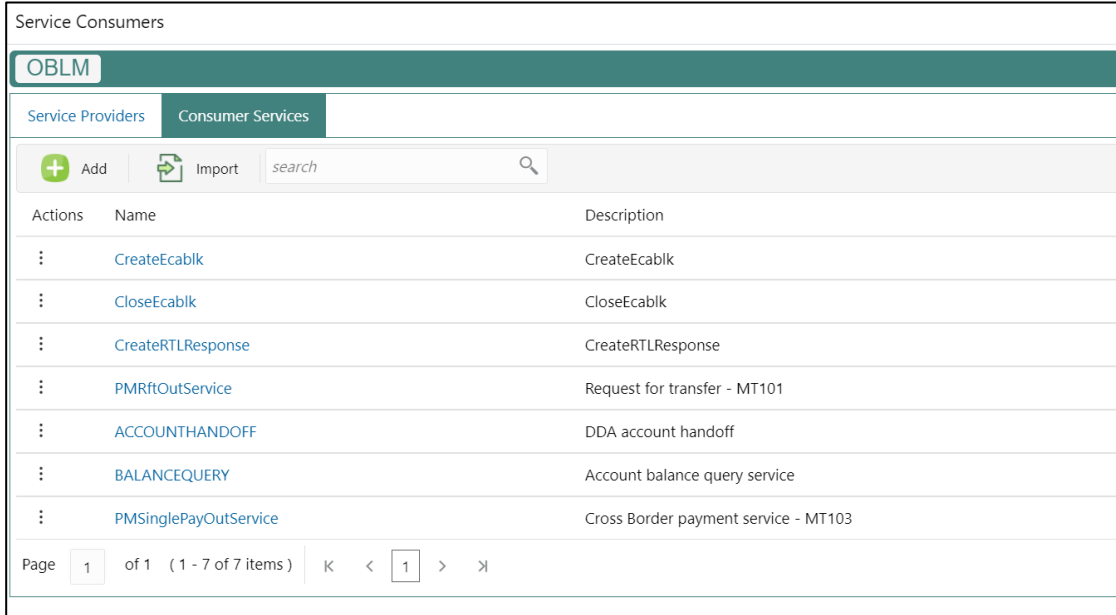
## 2.2 Service Providers

### OBLM Service Providers



## 2.3 Consumer Services

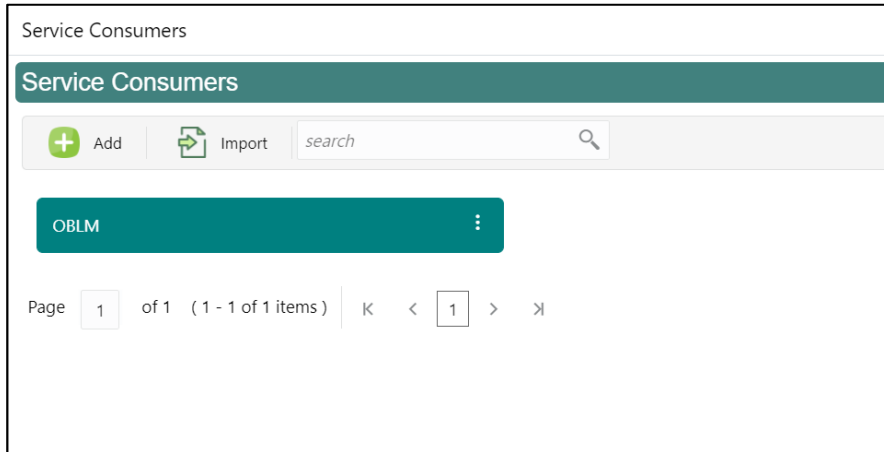
### OBLM Consumer Services



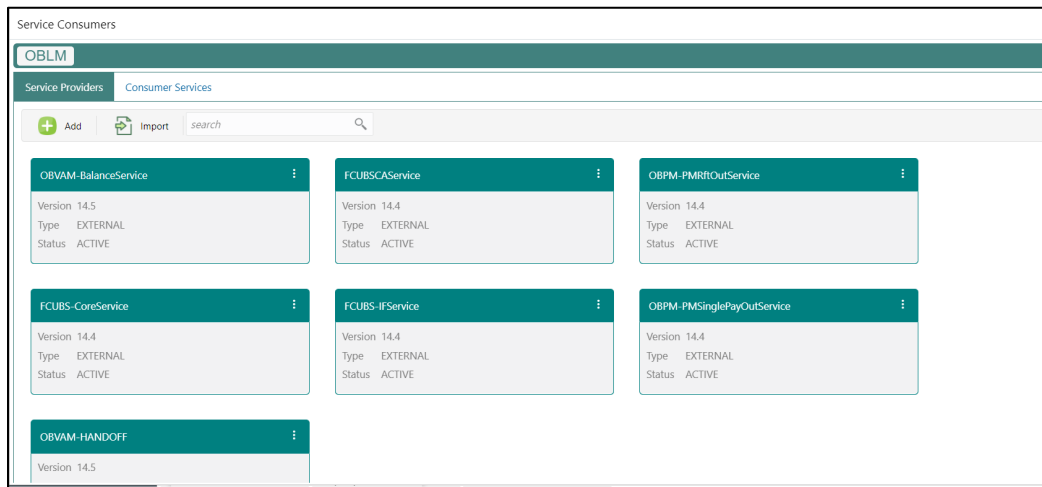
## 2.4 Configuring Service Providers

Follow the below steps to configure all service providers.

1. Click on consumer **OBLM**.

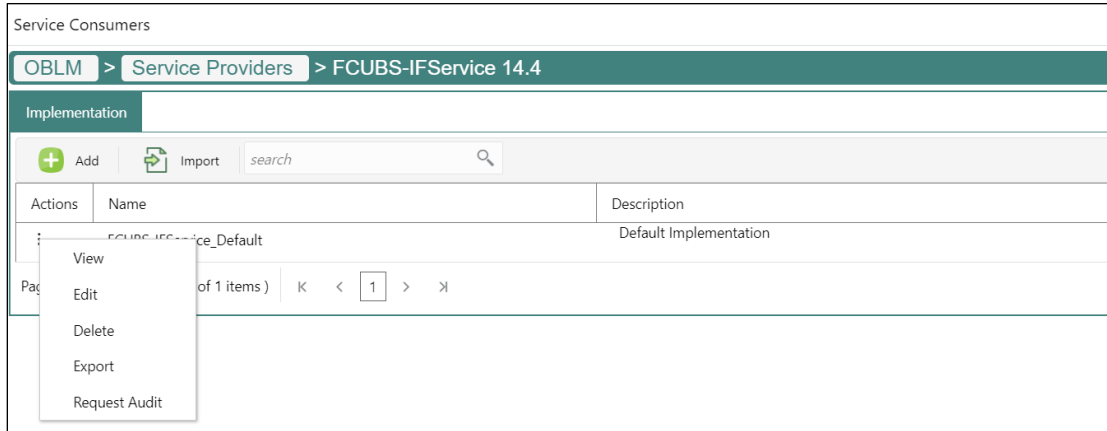


2. Click on any service providers (For example **FCUBS-IFService**)

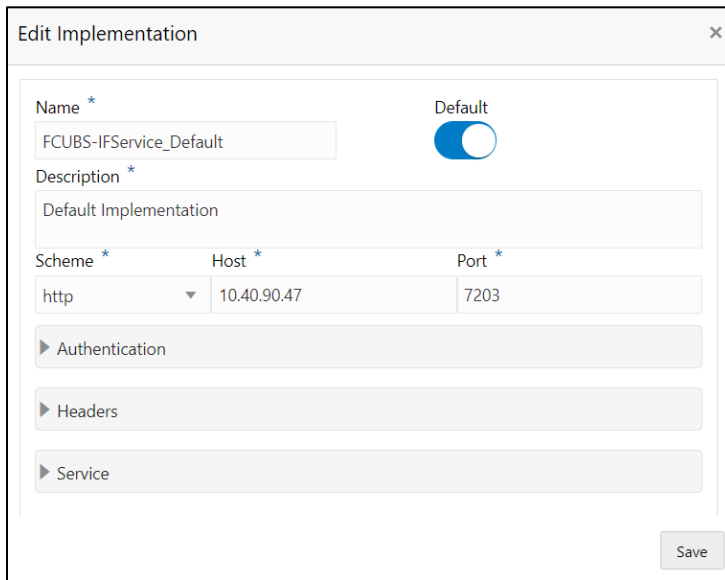




3. Click **Actions** icon and select **Edit**.



4. Update the **Host** and **Port No.** of **FCUBSIFService** webservice and click on **Save**.



5. Repeat the step 2 to 4 for all other service providers and update appropriate Host & Port No.

## 2.5 Configuring Consumer Services

### 2.5.1 OBVAM

1. Select **BALANCEQUERY** from Consumer Services.

Service Consumers

OBLM

Service Providers Consumer Services

+ Add Import search

Actions	Name	Description
⋮	CreateEcablk	CreateEcablk
⋮	CloseEcablk	CloseEcablk
⋮	CreateRTLResponse	CreateRTLResponse
⋮	PMRftOutService	Request for transfer - MT101
⋮	ACCOUNTHANDOFF	DDA account handoff
⋮	<b>BALANCEQUERY</b>	Account balance query service
⋮	PMSinglePayOutService	Cross Border payment service - MT103

Page 1 of 1 ( 1 - 7 of 7 items ) K < 1 > >

2. From **Routing Menu**, click **Action** icon of **VAMBalFetch** and then click **Edit**.

Service Consumers

OBLM > Consumer Services

Transformation Routing

+ Add search

Actions	Name	Start/Stop	R
⋮	QuerySTAccBal	●	(
⋮	<b>VAMBalFetch</b>	●	(

Page 1 of 1 ( 1 - 2 of 2 items ) K

- Under **Transformation** tab, click **Action** icon of **OBVAM-BalanceService** and then click **Edit**.

**Edit Route**

Name \*  
VAMBalFetch

Start/Stop: **START** STOP

Auto Shutdown:

Default Rule  Custom Rule

Transformations

+ Add

Actions	Product Processor	Implementation	Transformation
:	OBVAM-BalanceService 14.5	OBVAM-BalanceService_Default	T2

Save

- Click **Action** icon and Click **Edit** to edit each header and give the proper headers.

**Edit Transformation**

OBVAM-BalanceService 14.5      OBVAM-BalanceService\_Default

Transformation \*  
T2

Headers

Actions	Name	Value
:	Content-Type	application/json
:	userId	SIVA01
:	branchCode	000
:	entityId	DEFAULTENTITY
:	appld	VAM

OK

- Repeat the steps 2 to 4 to add headers for **OBVAM ACCOUNTIGHANDOFF**.

### 3 Integration services

#### 3.1 FCUBS Integration

The FCUBS services listed below are required for OBLM integration. Please make sure that the following services are available before the implementation:

S.No	Provider System	Service URL	Service Description	Remarks
1.	FCUBS	http://host:port/FCUBSCoreService/FCUBSCoreService?WSDL	Balance Fetch	Service API which is used to Fetch Balance from FCUBS
2.	FCUBS	http://host:port/FCUBSIFService/FCUBSIFService?WSDL	Accounting Hand-off	Service API which is used for Accounting Hand off to FCUBS
3.	FCUBS	http://host:port/FCUBSTDSERVICE/FCUBSTDSERVICE?WSDL	TD Contract Hand-Off	Service API which is used for Investment Sweep - TD to FCUBS
4.	FCUBS	http://host:port/FCUBSMMSERVICE/FCUBSMMSERVICE?WSDL	MM Contract Hand-Off	Service API which is used for Investment Sweep - MM to FCUBS
5.	FCUBS	http://host:port/FCUBSCASERVICE/FCUBSCASERVICE?WSDL	CreateEcablk	Service API which is used for Create RTL blocks request
6.	FCUBS	http://host:port/FCUBSCASERVICE/FCUBSCASERVICE?WSDL	CreateExtAccEntry	Service API which is used for Accounting Hand off to FCUBS RTL

7.	FCUBS	http://host:port/FCUBSCAService/FCUBSCAService?WSDL	CreateRTLResponse	Service API which is used for RTL status update
8.	FCUBS	http://host:port/FCUBSCAService/FCUBSCAService?WSDL	initiateRtlTxn	Service API which is used for Initiate RTL Block
9.	FCUBS	http://host:port/FCUBSCAService/FCUBSCAService?WSDL	modifyRtlTxn	Service API which is used for Modify RTL Block
10.	FCUBS	http://host:port/FCUBSCAService/FCUBSCAService?WSDL	undoRtl	Service API which is used for Undo RTL block
11.	FCUBS	http://host:port/FCUBSCAService/FCUBSCAService?WSDL	postRtl	Service API which is used for Post RTL block

### 3.2 Payments Integration

S.No	Provider System	Service URL	Service Description	Remarks
1.	OBPayments	http://host:port/PMRftOutService/PMRftOutService?WSDL	Transfer Request-MT101	Service API which is used for MT101 Initiation Request
2.	OBPayments	http://host:port/PMSinglePayOutService/PMSinglePayOutService?WSDL	Payment Initiation-MT103	Service API which is used for MT103 Initiation Request
3.	OBPayments	http://host:port/PMSinglePayOutService/BookTransfer/PMSinglePayOutService/BookTransfer?WSDL	Payment Initiation-Book Transfer	Service API which is used for Book Transfer Initiation

### 3.3 VAM Integration

S.No	Provider System	Service URL	Service Description	Remarks
1	OBVAM	http://host:port/api-gateway/obvam-account-services/service/sweepandvaluedatedbalance	Balance Fetch	Service API used for Balance Fetch
2	OBVAM	http://host:port/api-gateway/obvam-transaction-journal-services/service/txns	Accounting Hand-off	Service API which is used for Accounting Hand off to OBVAM

### 3.4 OBDX Integration

S.No	Provider System	Service URL	Service Description	Remarks
1.	OBDX	http://host:port/api-gateway/oblm-maintenance-services/account?isNotional=N&customerId={customerId}	(GET) API to fetch Internal accounts	{customerId} – replace with actual customerId
2	OBDX	http://host:port/api-gateway/oblm-maintenance-services/branch	(GET) API to fetch Branch details	
3	OBDX	http://host:port/api-gateway/oblm-cash-concentration-services/instruction	(GET) API to fetch Instruction Details	
4	OBDX	http://host:port/api-gateway/oblm-maintenance-services/frequency	(GET) API to fetch Frequency Details	
5	OBDX	http://host:port/api-gateway/oblm-maintenance-services/currency	(GET) API to fetch Currency details	
6	OBDX	http://host:port/api-gateway/oblm-structure-services/structure?customerId={customerId}	(GET) API to fetch structure details	{customerId} – replace with actual customerId
7	OBDX	http://host:port/api-gateway/oblm-structure-services/structure/{id}?customerId={customerId}&version=latest	(GET) API to fetch latest version of structure based on keyID	{customerId} – replace with actual customerId {id} – ID of structure which needs to be fetched

S.No	Provider System	Service URL	Service Description	Remarks
8	OBDX	http://host:port/api-gateway/oblm-sweep-services/sweepmonitor?customerId={customerId}&bookDateTo={bookDateTo}&bookDateFrom={bookDateFrom}&structureId={structureId}	(GET) API to fetch Sweep Logs for structures	Date format for bookDateFrom and bookDateTo is YYYY-MM-DD {structureId} – StructureId for which sweep log is fetched
9	OBDX	http://host:port/api-gateway/oblm-dashboard-services/scheduledsweeps?fromDate={fromDt}&toDate={toDt}&customerId={customerId}	(GET) API to fetch Upcoming structures Sweep	Date format for fromDt and toDt is YYYY-MM-DD
10	OBDX	http://host:port/api-gateway/oblm-pool-services/pool/log?customerId={customerId}&bookDateTo={bookDateTo}&bookDateFrom={bookDateFrom}&structureId={structureId}&filterBy={status}	(GET) API to fetch Pool structure logs	
11	OBDX	http://host:port/api-gateway/oblm-sweep-services/sweepservice/executesweepobdx	(POST) API to execute structure sweep manually	Refer 3.6.4 OBDX section for sample request payload
12	OBDX	http://host:port/api-gateway/oblm-structure-services/structure/createExternal	(POST) API to create Structure	Refer 3.6.4 OBDX section for sample request payload
13	OBDX	http://host:port/api-gateway/oblm-structure-services/structure/modifyExternal	(POST) API to Modify Structure	Refer 3.6.4 OBDX section for sample request payload



### 3.5 OBRH-RTL Integration

S.No.	Provider System	Service URL	Service Description	Remarks
1.	OBRH	http://host:port/FCUBSIFService/FCUBSIFService?WSDL	CreateExtAccEcaEnteries	Service API which is used for Post RTL Blocks
2.	OBRH	http://host:port/FCUBSCAService/FCUBSCAService?WSDL	CloseEcablk, CreateRTLResponse, CreateEcablk	Service API which is used for initiate Undo and Post RTL blocks.
<p>*** Note that Please update the configuration with required host and port to connect with the required FCUBS environment</p>				

## 3.6 Request Payload Samples

### 3.6.1 FCUBS

#### FCUBS Balance Fetch

```

<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:fcub="http://fcubs.ofss.com/service/FCUBSCoreentitiesService">
  <soapenv:Header/>
  <soapenv:Body>
    <FCUBS_REQ_ENV>
      <FCUBS_HEADER>
        <SOURCE>${fcubsheader.source}</SOURCE>
        <UBSCOMP>FCUBS</UBSCOMP>
        <USERID>${fcubsheader.userid}</USERID>
        <BRANCH>${fcubsheader.branch}</BRANCH>
          <MODULEID>PX</MODULEID>
          <SERVICE>PMRftOutService</SERVICE>
          <OPERATION>CreateRftOut</OPERATION>
          <DESTINATION>FCUBS</DESTINATION>
        </FCUBS_HEADER>
      <FCUBS_BODY>
        <Master-IO>
          <REFNO>${fcubsbody.masterIO.refno}</REFNO>
          #foreach($extSysAccountDetails in $fcubsbody.masterIO.input)
            <Input>
              <ACCNO>$.tag57AWIOPT</ACCNO>
              <TRNDT>$.tag57AWIBIC</TRNDT>
              <BALANCETYPE>$.tag59ACC</BALANCETYPE>
            </Input>
          #end
        </Master-IO>
      </FCUBS_BODY>
    </FCUBS_REQ_ENV>
  </soapenv:Body>
</soapenv:Envelope>

```

**FCUBS Accounting Handoff**

```

<FCUBS_REQ_ENV>
  <FCUBS_HEADER>
    <SOURCE>${fcubsheader.source}</SOURCE>
    <UBSCOMP>FCUBS</UBSCOMP>
    <MSGID>${fcubsheader.msgid}</MSGID>
      <CORRELID>${fcubsheader.correlid}</CORRELID>
    <USERID>${fcubsheader.userid}</USERID>
    <BRANCH>${fcubsheader.branch}</BRANCH>
      <MODULEID>PX</MODULEID>
      <SERVICE>PMRftOutService</SERVICE>
      <OPERATION>CreateRftOut</OPERATION>
      <SOURCE_OPERATION>NEW</SOURCE_OPERATION>
      <SOURCE_USERID>${fcubsheader.sourceuserid}</SOURCE_USERID>
      <DESTINATION>${fcubsheader.destination}</DESTINATION>
      <MULTITRIPID>${fcubsheader.multitripid}</MULTITRIPID>
      <FUNCTIONID>${fcubsheader.functionid}</FUNCTIONID>
      <ACTION>NEW</ACTION>
      <PASSWORD></PASSWORD>
    </FCUBS_HEADER>
  <FCUBS_BODY>
    <Acc-Entry-Master-Full>
      <UNIQUEEXTREFNO>${fcubsbody.accEntryMasterFull.uniqueextrefno}</UNIQUEEXTREFNO>
      <TRNREFNO>${fcubsbody.accEntryMasterFull.trnrefno}</TRNREFNO>
      #foreach($AcctEntrydetailsdetails in  ${fcubsbody.accEntryMasterFull.accEntryDetails})
      <Acc-Entry-Details>
        <DRCRIND>AcctEntrydetailsdetails.dr crind</DRCRIND>
        <TRNREFNO>AcctEntrydetailsdetails.trnrefno</TRNREFNO>
        <EVENT>AcctEntrydetailsdetails.event</EVENT>
        <EXCHRATE>AcctEntrydetailsdetails.exchrates</EXCHRATE>
        <EVENTSRNO>AcctEntrydetailsdetails.eventsrno</EVENTSRNO>
        <VALUEDT>AcctEntrydetailsdetails.valuedt</VALUEDT>
      </Acc-Entry-Details>
      #endfor
    </Acc-Entry-Master-Full>
  </FCUBS_BODY>
</FCUBS_REQ_ENV>

```

```

<MODULE>AcctEntrydetailsdetails.module</MODULE>
<AMTTAG>AcctEntrydetailsdetails.amttag</AMTTAG>
<ACCCY>AcctEntrydetailsdetails.acccy</ACCCY>
<FCYAMT>AcctEntrydetailsdetails.fcyamt</FCYAMT>
<ACBRANCH>AcctEntrydetailsdetails.acbranch</ACBRANCH>
<ACNO>AcctEntrydetailsdetails.acno</ACNO>
<RELATEDACCOUNT>relatedaccount</RELATEDACCOUNT>
<LCYAMT>AcctEntrydetailsdetails.lcyamt</LCYAMT>
<TRNCODE>AcctEntrydetailsdetails.trncode</TRNCODE>
</Acc-Entry-Details>
#end
</Acc-Entry-Master-Full>
</FCUBS_BODY>
</FCUBS_REQ_ENV>
CreateEcablk(RTL)
<?xml version="1.0" encoding="UTF-8"?>
<env:Envelope xmlns:env="http://schemas.xmlsoap.org/soap/envelope/">
  <env:Header />
  <env:Body>
    <CREATEECABLK_FSFS_REQ xmlns="http://fcubs.ofss.com/service/FCUBSCAService">
      <FCUBS_HEADER>
        <SOURCE>EXTSYS</SOURCE>
        <UBSCOMP>FCUBS</UBSCOMP>
        <USERID>${body.userId}</USERID>
        <BRANCH>${body.branch}</BRANCH>
        <SERVICE>FCUBSCAService</SERVICE>
        <OPERATION>CreateEcablk</OPERATION>
      </FCUBS_HEADER>
      <FCUBS_BODY>
        <Eca-Master-Full>
          <CREATEEXTREFNO>${body.createExtRefNo}</CREATEEXTREFNO>
          <UPDASERRIFANYFAIL>N</UPDASERRIFANYFAIL>
          <BRN>${body.branch}</BRN>
        </Eca-Master-Full>
      </FCUBS_BODY>
    </CREATEECABLK_FSFS_REQ>
  </env:Body>
</env:Envelope>

```

```

<REFERRALALLOWED>N</REFERRALALLOWED>
<Eca-Detail>
  <CUSTACNO>${body.custAcNo}</CUSTACNO>
  <CUSTACBRN>${body.branch}</CUSTACBRN>
  <CUSTACCCY>${body.custAcCcy}</CUSTACCCY>
  <PARTIALBLKREQD>Y</PARTIALBLKREQD>
  <REQBLKAMT>${body.reqBlkAmt}</REQBLKAMT>
</Eca-Detail>
</Eca-Master-Full>
</FCUBS_BODY>
</CREATEECABLK_FSFS_REQ>
</env:Body>
</env:Envelope>
CloseEcablk(RTL)
<?xml version="1.0" encoding="UTF-8"?>
<env:Envelope xmlns:env="http://schemas.xmlsoap.org/soap/envelope/">
  <env:Header />
  <env:Body>
    <CLOSEECABLK_FSFS_REQ xmlns="http://fcubs.ofss.com/service/FCUBSCAService">
      <FCUBS_HEADER>
        <SOURCE>EXTSYS</SOURCE>
        <UBSCOMP>FCUBS</UBSCOMP>
        <USERID>${body.userId}</USERID>
        <BRANCH>${body.branch}</BRANCH>
        <SERVICE>FCUBSCAService</SERVICE>
        <OPERATION>CloseEcablk</OPERATION>
      </FCUBS_HEADER>
      <FCUBS_BODY>
        <Eca-Master-Full>
          <UNDOEXTREFNO>${body.undoExtRefNo}</UNDOEXTREFNO>
          <ECAREFNO>${body.ecaRefNo}</ECAREFNO>
          <Eca-Detail>
            <CUSTACNO>${body.custAcNo}</CUSTACNO>

```

```

    <CUSTACBRN>$body.custAcBrch</CUSTACBRN>
  </Eca-Detail>
</Eca-Master-Full>
</FCUBS_BODY>
</CLOSEECABLK_FSFS_REQ>
</env:Body>
</env:Envelope>

```

### **CreateRTLResponse(RTL)**

```

<?xml version="1.0" encoding="UTF-8"?>
<env:Envelope xmlns:env="http://schemas.xmlsoap.org/soap/envelope/">
  <env:Header />
  <env:Body>
    <CREATERTLRESPONSE_FSFS_REQ
xmlns="http://fcubs.ofss.com/service/FCUBSCAService">
      <FCUBS_HEADER>
        <SOURCE>EXTSYS</SOURCE>
        <UBSCOMP>FCUBS</UBSCOMP>
        <USERID>$body.userId</USERID>
        <BRANCH>$body.branch</BRANCH>
        <MODULEID>IF</MODULEID>
        <SERVICE>FCUBSCAService</SERVICE>
        <OPERATION>CreateRTLResponse</OPERATION>
        <SOURCE_OPERATION>CreateRTLResponse</SOURCE_OPERATION>
        <FUNCTIONID>IFDRTLRS</FUNCTIONID>
        <ACTION>NEW</ACTION>
        <MSGSTAT>$body.msgStat</MSGSTAT>
      </FCUBS_HEADER>
      <FCUBS_BODY>
        <Rtl-Queue-Full>
          <DDATXNREF>$body.ddaTxnRef</DDATXNREF>
          <RTLREFERENCENO>$body.rtlReferenceNo</RTLREFERENCENO>
          <TXNAMNT>$body.txnAmnt</TXNAMNT>
          <TXNCCY>$body.txnCcy</TXNCCY>
        </Rtl-Queue-Full>
      </FCUBS_BODY>
    </CREATERTLRESPONSE_FSFS_REQ>
  </env:Body>
</env:Envelope>

```

```

    <RTLSTATUS>$body.rtlStatus</RTLSTATUS>
    <RTLSTATUSMESSAGE>$body.rtlStatusMessage</RTLSTATUSMESSAGE>
  </Rtl-Queue-Full>
</FCUBS_BODY>
</CREATERTLRESPONSE_FSFS_REQ>
</env:Body>
</env:Envelope>

```

### 3.6.2 OBVAM

#### Balance fetch

```

{
  "sweepandVDBalanceServiceRequestDto": [
    {
      "virtalAccountNumber": "string",
      "valueDate": "string"
    }
  ]
}

```

#### Handoff

```

{
  "sourceCode": "string",
  "sourceReferenceNo": "string",
  "vatRequestDetServiceDTO": [
    {
      "drCrInd": "string",
      "txnAccount": "string",
      "txnAccountBrn": "string",
      "txnCcy": "string",
      "txnAccountCcy": "string",
      "amtInTxnAccCcy": 0,
      "txnAmount": 0,
      "txnCode": "string",
      "valueDate": "string",

```

```

    "exchRate": 0,
    "reconRefNo": "string",
    "addlText": "string",
    "ecaOrBlockRefNo": "string",
    "ddaOffset": "string",
    "forceDebit": "N",
    "blkReleaseStatus": "string"
  }
]
}

```

### 3.6.3 OBPM

#### PMRftOutService - MT101

```

<FCUBS_REQ_ENV>
  <FCUBS_HEADER>
    <SOURCE>${fcubsheader.source}</SOURCE>
    <UBSCOMP>FCUBS</UBSCOMP>
    <MSGID>${fcubsheader.msgid}</MSGID>
    <CORRELID></CORRELID>
    <USERID>${fcubsheader.userid}</USERID>
    <BRANCH>${fcubsheader.branch}</BRANCH>
    <MODULEID>PX</MODULEID>
    <SERVICE>PMRftOutService</SERVICE>
    <OPERATION>CreateRftOut</OPERATION>
    <SOURCE_OPERATION>NEW</SOURCE_OPERATION>
    <SOURCE_USERID></SOURCE_USERID>
    <DESTINATION></DESTINATION>
    <MULTITRIPID></MULTITRIPID>
    <FUNCTIONID></FUNCTIONID>
    <ACTION></ACTION>
    <PASSWORD></PASSWORD>
  </FCUBS_HEADER>
  <FCUBS_BODY>

```



```

<Msg-Out101-Full>
  <REFERENCE_NO>${fcubsuby.msgOut101IO.referenceno}</REFERENCE_NO>
<HOST_CODE>${fcubsuby.msgOut101IO.hostcode}</HOST_CODE>
<BRANCH_CODE>${fcubsuby.msgOut101IO.branchcode}</BRANCH_CODE>
<CUSTOMER_NO>${fcubsuby.msgOut101IO.customerno}</CUSTOMER_NO>
<RECEIVER>${fcubsuby.msgOut101IO.receiver}</RECEIVER>
<TAG28D_MSGINX>${fcubsuby.msgOut101IO.tag28DMSGINX}</TAG28D_MSGINX>
<TAG28D_MSGTOT>${fcubsuby.msgOut101IO.tag28DMSGTOT}</TAG28D_MSGTOT>
<TAG50_ORD_OPT>${fcubsuby.msgOut101IO.tag50ORDOPT}</TAG50_ORD_OPT>
<TAG50_ORD_ACC>${fcubsuby.msgOut101IO.tag50ORDACC}</TAG50_ORD_ACC>

<TAG50_ORD_ADD1>${fcubsuby.msgOut101IO.tag50ORDADD1/add1}</TAG50_ORD_ADD1>
  <TAG50_ORD_ADD2>${fcubsuby.msgOut101IO.tag50ORDADD2}</TAG50_ORD_ADD2>
  <TAG50_ORD_ADD3>${fcubsuby.msgOut101IO.tag50ORDADD3}</TAG50_ORD_ADD3>
  <TAG30>${fcubsuby.msgOut101IO.tag30}</TAG30>
  <TAG25>${fcubsuby.msgOut101IO.tag25}</TAG25>
  <SOURCE_CODE>$.</SOURCE_CODE>
#foreach($msgoutdetails in $fcubsuby.msgOut101IO.msgOut101Detail)
  <Msg-Out101-Detail>
    <TAG57_AWI_OPT>${msgoutdetails.tag57AWIOPT}</TAG57_AWI_OPT>
    <TAG57_AWI_BIC>${msgoutdetails.tag57AWIBIC}</TAG57_AWI_BIC>
    <TAG59_ACC>${msgoutdetails.tag59ACC}</TAG59_ACC>
    <TAG59_ADD1>${msgoutdetails.tag59ADD1/add1}</TAG59_ADD1>
    <TAG71A>${msgoutdetails.tag71A}</TAG71A>
    <TAG23E_LINE1>${msgoutdetails.tag23ELINE1}</TAG23E_LINE1>
    <TAG32B_CCY>${msgoutdetails.tag32BCCY}</TAG32B_CCY>
    <TAG32B_AMOUNT>${msgoutdetails.tag32BAMOUNT}</TAG32B_AMOUNT>
  </Msg-Out101-Detail>
#end
</Msg-Out101-Full>
  </FCUBS_BODY>
</FCUBS_REQ_ENV>

```

**PMSinglePayOutService - MT103**

```

<FCUBS_REQ_ENV>
  <FCUBS_HEADER>
    <pms.SOURCE>$fcubsheader.source</pms.SOURCE>
    <pms.UBSCOMP>FCUBS</pms.UBSCOMP>
    <pms.MSGID>$fcubsheader.msgid</pms.MSGID>
      <pms.CORRELID></pms.CORRELID>
    <pms.USERID>$fcubsheader.userid</pms.USERID>
    <pms.BRANCH>$fcubsheader.branch</pms.BRANCH>
      <pms.MODULEID>PX</pms.MODULEID>
      <pms.SERVICE>PMRftOutService</pms.SERVICE>
      <pms.OPERATION>CreateRftOut</pms.OPERATION>
      <pms.SOURCE_OPERATION>NEW</pms.SOURCE_OPERATION>

  <pms.SOURCE_USERID>$fcubsheader.sourceuserid</pms.SOURCE_USERID>
    <pms.DESTINATION>$fcubsheader.destination</pms.DESTINATION>
      <pms.MULTITRIPID>$fcubsheader.multitripid</pms.MULTITRIPID>
      <pms.FUNCTIONID>$fcubsheader.functionid</pms.FUNCTIONID>
      <pms.ACTION>$fcubsheader.action</pms.ACTION>
      <pms.PASSWORD>$fcubsheader.password</pms.PASSWORD>
    </FCUBS_HEADER>
  <FCUBS_BODY>
  <pms:CstmrCdtTrfInitn>
    <pms:GrpHdr>
      <pms:Msgld>$fcubsbody.cstmrCdtTrfInitn.grpHdr.msgld</pms:Msgld>
      <pms:CreDtTm>$fcubsbody.cstmrCdtTrfInitn.grpHdr.creDtTm</pms:CreDtTm>
      <pms:Authstn>$fcubsbody.cstmrCdtTrfInitn.grpHdr.authstn</pms:Authstn>
      <pms:NbOfTxs>$fcubsbody.cstmrCdtTrfInitn.grpHdr.nbOfTxs</pms:NbOfTxs>
      <pms:InitgPty>$fcubsbody.cstmrCdtTrfInitn.grpHdr.initgPty</pms:InitgPty>
    </pms:GrpHdr>
    <pms:PmtInf>
      <pms:PmtInflD>$fcubsbody.cstmrCdtTrfInitn.pmtInf.pmtInflD</pms:PmtInflD>
      <pms:PmtMtd>$fcubsbody.cstmrCdtTrfInitn.pmtInf.pmtMtd</pms:PmtMtd>
  </pms:CstmrCdtTrfInitn>
</FCUBS_BODY>
</FCUBS_REQ_ENV>

```

```

<pms:PmtTplnf>
  <pms:InstrPrty>${fcubsubbody.cstmrCdtTrflnitn.pmtlnf.pmtTplnf.instrPrty}</pms:InstrPrty>
  <pms:SvcLvl>
    <pms:Cd>${fcubsubbody.cstmrCdtTrflnitn.pmtlnf.pmtTplnf.svcLvl.cd}</pms:Cd>
  </pms:SvcLvl>
  <pms:CtgyPurp>
    <pms:Cd>${fcubsubbody.cstmrCdtTrflnitn.pmtlnf.pmtTplnf.ctgyPurp.cd}</pms:Cd>
  </pms:CtgyPurp>
</pms:PmtTplnf>
<pms:ReqdExctnDt>${fcubsubbody.cstmrCdtTrflnitn.pmtlnf.reqdExctnDt}</pms:ReqdExctnDt>
<pms:Dbtr>
  <pms:Nm>${fcubsubbody.cstmrCdtTrflnitn.pmtlnf.dbtr.nm}</pms:Nm>
  <pms:PstlAdr/>
  <pms:Id>
    <pms:Orgld>
      <pms:ClrSysMmbld/>
      <pms:Othr>
        <pms:Id>${fcubsubbody.cstmrCdtTrflnitn.pmtlnf..dbtr.id.orgld.othr.id}</pms:Id>
        <pms:SchmeNm>
          <pms:Cd>${fcubsubbody.cstmrCdtTrflnitn.pmtlnf.dbtr.id.orgld.othr.schmeNm.cd}</pms:Cd>
        </pms:SchmeNm>
      </pms:Othr>
    </pms:Orgld>
  </pms:Id>
</pms:Dbtr>
<pms:DbtrAcct>
  <pms:Id>
    <pms:Othr>
      <pms:Id>${fcubsubbody.cstmrCdtTrflnitn.pmtlnf.dbtrAcct.id.othr.id}</pms:Id>
    </pms:Othr>
  </pms:Id>
  <pms:Ccy>${fcubsubbody.cstmrCdtTrflnitn.pmtlnf.dbtrAcct.ccy}</pms:Ccy>
</pms:DbtrAcct>

```

```

<pms:DbtrAgt/>
<pms:DbtrAgtAcct>
  <pms:Id>
    <pms:Othr/>
  </pms:Id>
</pms:DbtrAgtAcct>
<pms:CdtTrfTxInf>
  <pms:PmtId>
    <pms:InstrId>$fcubsubbody.cstmrCdtTrfInitn.pmtInf.cdtTrfTxInf.pmtId.instrId</pms:InstrId>

<pms:EndToEndId>$fcubsubbody.cstmrCdtTrfInitn.pmtInf.cdtTrfTxInf.pmtId.endToEndId</pms:EndTo
EndId>

  </pms:PmtId>
  <pms:Amt>
    <pms:InstdAmt
Ccy="USD">$fcubsubbody.cstmrCdtTrfInitn.pmtInf.cdtTrfTxInf.amt.instdAmt</pms:InstdAmt>
    <pms:EqvtAmt/>
  </pms:Amt>
  <pms:CdtrAgt/>
  <pms:CdtrAgtAcct>
    <pms:Id>
      <pms:Othr/>
    </pms:Id>
  </pms:CdtrAgtAcct>
  <pms:Cdtr>
    <pms:Nm>$fcubsubbody.cstmrCdtTrfInitn.pmtInf.cdtTrfTxInf.cdtr.nm</pms:Nm>
    <pms:PstlAdr/>
  </pms:Cdtr>
  <pms:CdtrAcct>
    <pms:Id>
      <pms:Othr>
        <pms:Id>$fcubsubbody.cstmrCdtTrfInitn.pmtInf.cdtTrfTxInf.cdtrAcct.id.othr.id</pms:Id>
      </pms:Othr>
    </pms:Id>

```

```

    </pms:CdtrAcct>
  </pms:CdtTrfTxInf>
  <pms:Misdetails/>
</pms:PmtInf>
<pms:GrpTlr>
  <pms:TxnBranch>${fcubscopy.cstmrCdtTrfInitn.grpTlr.txnBranch}</pms:TxnBranch>
  <pms:HostCode>${fcubscopy.cstmrCdtTrfInitn.grpTlr.hostCode}</pms:HostCode>
  <pms:SourceCode>${fcubscopy.cstmrCdtTrfInitn.grpTlr.sourceCode}</pms:SourceCode>
  <pms:NetworkCode>${fcubscopy.cstmrCdtTrfInitn.grpTlr.networkCode}</pms:NetworkCode>
</pms:GrpTlr>
</pms:CstmrCdtTrfInitn>
  </FCUBS_BODY>
</FCUBS_REQ_ENV>

```

### 3.6.4 OBDX

#### Execute Sweep Structure

```

{
  "overridePending": "N",
  "allowMbccAccountPair": "N",
  "mode": "A",
  "structureList": [
    {
      "structureId": "ST20217167444516010503",
      "versionNumber": 1
    }
  ]
}

```

#### Create Sweep Structure

```

{
  "data": [
    {
      "headerAccountNumber": "HEL0046400178",
      "endDate": "2022-07-01",

```

```

"currencyRateType": "STANDARD",
"backwardTreatment": "N",
"balanceType": "V",
"versionNo": 1,
"centralAccountNumber": null,
"allowSweepOnCurrencyHol": "Y",
"holidayTreatment": "P",
"structureStatus": "A",
"structurePriority": 25,
"fxRatePickup": "Offline",
"headerCurrency": "GBP",
"reallocationMethod": "No Reallocation",
"maxBackwardDays": 2,
"LmmTmStructureDetailsDTO": [
{
  "reverseSweepFrequency": null,
  "percentageShare": 0,
  "accountCurrency": "GBP",
  "bookingAccountCurrency": "GBP",
  "rateType": "STANDARD",
  "isTwoWay": "Y",
  "structureMasterId": "",
  "LmmTmStructureInstructionDTO": [],
  "isExternal": "Internal",
  "accountType": "Sweep",
  "accountLevel": 0,
  "branchCode": "HEL",
  "isNotional": "N",
  "reallocationMethod": null,
  "bookingAccountNumber": "HEL0046400178",
  "sweepPriority": null,
  "bookingAccountBranch": "HEL",
  "parentAccountBranch": null,

```

```

"isNominatedAccount": "Y",
"accountNumber": "HEL0046400178",
"parentAccountNumber": null,
"accCategory": "Sweep",
"parentAccountCurrency": null
},
{
"reverseSweepFrequency": "FM2341112",
"percentageShare": 0,
"accountCurrency": "GBP",
"bookingAccountCurrency": "GBP",
"rateType": "STANDARD",
"isTwoWay": "Y",
"structureMasterId": "",
"LmmTmStructureInstructionDTO": [
{
"structureDetailsId": "",
"LmmTmStructureInstructionDetDTO": [
{
"structureInstructionId": "",
"paramName": "Maximum",
"paramValue": "4000"
},
{
"structureInstructionId": "",
"paramName": "MaximumDeficit",
"paramValue": "1000"
},
{
"structureInstructionId": "",
"paramName": "Minimum",
"paramValue": "1"
}
}
}
}

```

```

    {
      "structureInstructionId": "",
      "paramName": "MinimumDeficit",
      "paramValue": "100"
    },
    {
      "structureInstructionId": "",
      "paramName": "Multiple",
      "paramValue": "10"
    }
  ],
  "instrDesc": "Zero Balance Model",
  "instructionPriority": 1,
  "LmmTmStructureInstructionFrequencyDTO": [
    {
      "frequencyId": "FM2341112",
      "structureInstructionId": "",
      "freqDesc": null
    }
  ],
  "instructionId": "TEST22"
}
],
"isExternal": "Internal",
"accountType": "Sweep",
"accountLevel": 1,
"branchCode": "HEL",
"isNotional": "N",
"reallocationMethod": null,
"bookingAccountNumber": "HEL0046400067",
"sweepPriority": 1,
"bookingAccountBranch": "HEL",
"parentAccountBranch": "HEL",

```



```

    "isNominatedAccount": "Y",
    "accountNumber": "HEL0046400067",
    "parentAccountNumber": "HEL0046400178",
    "accCategory": "Sweep",
    "parentAccountCurrency": "GBP"
  }
],
"centralAccountCurrency": null,
"sourceSystem": "OBDX",
"structureDescription": "Sweep 19721",
"systemAccountCurrency": null,
"systemAccountBranch": null,
"LmmTmStructureAccountsDTO": [
  {
    "isExternal": "Internal",
    "accountCurrency": "GBP",
    "accountNumber": "HEL0046400178",
    "isNotional": "N",
    "isSelected": "Y",
    "accCategory": "Sweep",
    "accountBranch": "HEL"
  },
  {
    "isExternal": "Internal",
    "accountCurrency": "GBP",
    "accountNumber": "HEL0046400067",
    "isNotional": "N",
    "isSelected": "Y",
    "accCategory": "Sweep",
    "accountBranch": "HEL"
  }
],
"customerId": "000464",

```

```

"systemAccountNumber": null,
"considerPostSweepBalance": "Y",
"ratePickUp": "Previous Day Rate",
"structureId": "STG5MWB4PS39",
"multiBankFlag": true,
"centralAccountBranch": null,
"structureType": "Sweep",
"headerBranchCode": "HEL",
"interestMethod": "I",
"effectiveDate": "2018-07-19"
}
]
}

```

### Modify Sweep Structure

```

{
"data": [
{
"keyId": "40e011ff-0ff7-4f8c-a70b-aa01fed8ca59",
"makerId": "OBDX02",
"makerDateStamp": "2018-11-30T11:12:24.000+00:00",
"checkerId": "OBDX02",
"checkerDateStamp": "2018-11-30T11:12:24.000+00:00",
"modNo": 1,
"recordStatus": "O",
"authStatus": "A",
"onceAuth": "Y",
"doerRemarks": null,
"approverRemarks": null,
"links": [],
"structureId": "STG5MWB4PS39",
"structureDescription": "Sweep 19721",
"customerId": "000464",
"customerName": "XXX XXXXXX",

```

```

"numberOfAccountsLinked": 2,
"structureType": "Sweep",
"structurePriority": 25,
"effectiveDate": "2018-07-19",
"endDate": "2022-07-01",
"headerAccountNumber": "HEL0046400178",
"headerBranchCode": "HEL",
"headerCurrency": "GBP",
"multiBankFlag": "N",
"crossBorderFlag": "N",
"crossCurrencyFlag": "N",
"balanceType": "V",
"structureFrequency": null,
"currencyRateType": "STANDARD",
"allowSweepOnCurrencyHol": "Y",
"interestMethod": "I",
"ratePickUp": "Previous Day Rate",
"nextRunDate": null,
"eodExecution": null,
"reverseFrequency": null,
"instructionType": null,
"reallocationMethod": "No Reallocation",
"holidayTreatment": "P",
"maxBackwardDays": 2,
"backwardTreatment": "N",
"centralAccountNumber": null,
"centralAccountBranch": null,
"centralAccountCurrency": null,
"nextRunDateReverse": null,
"prevRunDateReverse": null,
"structureStatus": "A",
"investmentSweep": null,
"considerPostSweepBalance": "Y",

```

```

"fxRatePickup": "Offline",
"limitTrackingFlag": null,
"sourceSystem": "OBDX",
"systemAccountNumber": null,
"systemAccountBranch": null,
"systemAccountCurrency": null,
"pauseStartDate": "2021-07-01",
"pauseEndDate": "2021-10-01",
"action": "NEW",
"versionNo": 1,
"isSimulation": "N",
"simulationId": null,
"exStrId": null,
"callFromValidate": false,
"bodExecution": null,
"revFreqEodExecution": null,
"revFreqBodExecution": null,
"isDirty": "Y",
"lastSuccessfulSweepDate": null,
"batchStatus": null,
"trackId": null,
"LmmTmStructureDetailsDTO": [
  {
    "id": "1883ba34-0575-4177-8422-c52616c3bab4",
    "structureMasterId": "40e011ff-0ff7-4f8c-a70b-aa01fed8ca59",
    "accountNumber": "HEL0046400067",
    "accountDescription": "ALL SPORTS",
    "branchCode": "HEL",
    "accountCurrency": "GBP",
    "isExternal": "Internal",
    "acyAvailableBal": 2500,
    "bankCode": "0020",
    "countryId": "AUS",
  }
]

```

"cityId": "Sydney",  
"region": "America/Detroit",  
"latitude": -33.92,  
"longitude": 151.1852,  
"isNotional": "N",  
"accCategory": "Sweep",  
"parentAccountNumber": "HEL0046400178",  
"parentAccountBranch": "HEL",  
"parentAccountCurrency": "GBP",  
"bookingAccountNumber": "HEL0046400067",  
"bookingAccountBranch": "HEL",  
"bookingAccountCurrency": "GBP",  
"rateType": "STANDARD",  
"accountType": "Sweep",  
"sweepPriority": 1,  
"isTwoWay": "Y",  
"reverseSweepFrequency": "FM2341112",  
"twowaySweepPriority": null,  
"onlineBalanceFetch": null,  
"partialReverseSweep": null,  
"isHold": null,  
"eodExecution": null,  
"ratePickUp": null,  
"reallocationRequired": null,  
"reallocationMethod": null,  
"allowReverseSweep": null,  
"isNominatedAccount": "Y",  
"accountLevel": 1,  
"centralAccountNumber": null,  
"centralAccountBranch": null,  
"centralAccountCurrency": null,  
"percentageShare": 0,  
"percentageChildShare": null,

```

"partialTransferAllowed": null,
"holdStartDate": null,
"holdEndDate": null,
"isVirtual": "N",
"oneWayAccountGroup": null,
"twoWayAccountGroup": null,
"isRegulatedDebits": "N",
"entityID": "HEL_ENTITY",
"entityName": "HEL_ENTITY_NAME",
"iban": null,
"customerName": "XXX XXXXXX",
"LmmTmStructureInstructionDTO": [
{
  "id": "2c83f188-240f-4e79-9fc6-452e00bf5f47",
  "structureDetailsId": "1883ba34-0575-4177-8422-c52616c3bab4",
  "instructionId": "TEST22",
  "instrDesc": "Zero Balance Model",
  "instructionPriority": 1,
  "suspensionStartDate": null,
  "suspensionEndDate": null,
  "LmmTmStructureInstructionFrequencyDTO": [
    {
      "id": "b38012af-9a09-49c0-90bb-3fa8f4d05368",
      "structureInstructionId": "2c83f188-240f-4e79-9fc6-452e00bf5f47",
      "frequencyId": "FM2341112",
      "freqDesc": "FM2341112"
    }
  ],
  "LmmTmStructureInstructionDetDTO": [
    {
      "id": "70557117-7bd6-41c7-850f-2d634325b84b",
      "structureInstructionId": "2c83f188-240f-4e79-9fc6-452e00bf5f47",
      "paramName": "MinimumDeficit",

```

```

    "paramValue": "100"
  },
  {
    "id": "4465bf7e-4a64-42f9-b56a-d49c7b3185fe",
    "structureInstructionId": "2c83f188-240f-4e79-9fc6-452e00bf5f47",
    "paramName": "Multiple",
    "paramValue": "10"
  },
  {
    "id": "591a3a02-fcac-4b92-bcd5-809f33eeacc5",
    "structureInstructionId": "2c83f188-240f-4e79-9fc6-452e00bf5f47",
    "paramName": "Maximum",
    "paramValue": "4000"
  },
  {
    "id": "3bb941c7-f55c-4a98-9b68-d14942c93b85",
    "structureInstructionId": "2c83f188-240f-4e79-9fc6-452e00bf5f47",
    "paramName": "Minimum",
    "paramValue": "1"
  },
  {
    "id": "b4d48a90-1cf3-49e9-a3ee-47508fa3d3e1",
    "structureInstructionId": "2c83f188-240f-4e79-9fc6-452e00bf5f47",
    "paramName": "MaximumDeficit",
    "paramValue": "1000"
  }
]
}
],
"LmmTmStructurePaymentDTO": [
  {
    "id": "b3278ecd-50f7-4b74-b314-d02cb56fc226",
    "structureDetailsId": "1883ba34-0575-4177-8422-c52616c3bab4",

```

```

"sweepDirection": "Towway",
"interfaceMasterId": "2b274af6-2f1f-4892-b1c5-bc0f3e75ea09",
"LmmTmStructurePaymentDetailDTO": [
  {
    "id": "66ac2418-d1b2-4996-9746-ab36c63f4678",
    "structurePaymentId": "b3278ecd-50f7-4b74-b314-d02cb56fc226",
    "paramName": "LCYAMOUNT",
    "paramValue": "#TO_AMOUNT"
  },
  {
    "id": "4390fcca-e372-4172-bc8a-2990c20b5d47",
    "structurePaymentId": "b3278ecd-50f7-4b74-b314-d02cb56fc226",
    "paramName": "FROM_ACC_LCY",
    "paramValue": "#FROM_ACC_LCY"
  },
  {
    "id": "9c25e848-12ba-4c9f-bcde-cfe5e2cf1163",
    "structurePaymentId": "b3278ecd-50f7-4b74-b314-d02cb56fc226",
    "paramName": "MODULE",
    "paramValue": "DE"
  },
  {
    "id": "010f53ba-3293-4680-a32b-0e4e7a48425f",
    "structurePaymentId": "b3278ecd-50f7-4b74-b314-d02cb56fc226",
    "paramName": "AMOUNTTAG",
    "paramValue": "TXN_AMT1"
  },
  {
    "id": "f7f5b999-ee59-4ffd-a5d3-b88618fb27f5",
    "structurePaymentId": "b3278ecd-50f7-4b74-b314-d02cb56fc226",
    "paramName": "FROM_ACC_BRANCH",
    "paramValue": "#FROM_ACC_BRANCH"
  }
]

```



```

{
  "id": "2683bbdb-20d2-41ba-b3ae-1b82abcce776",
  "structurePaymentId": "b3278ecd-50f7-4b74-b314-d02cb56fc226",
  "paramName": "TOAC_FCYAMT",
  "paramValue": "#TOAC_FCYAMT"
},
{
  "id": "80aaa799-6448-4019-8acf-e3b71dee5829",
  "structurePaymentId": "b3278ecd-50f7-4b74-b314-d02cb56fc226",
  "paramName": "EVENT",
  "paramValue": "INIT"
},
{
  "id": "ee5189b5-c654-420e-bf22-cafaaa3e9cdf",
  "structurePaymentId": "b3278ecd-50f7-4b74-b314-d02cb56fc226",
  "paramName": "TRNREFNO",
  "paramValue": "#EXT_TRANSACTION_NO"
},
{
  "id": "87b117f2-5a94-481a-b530-50293c5a9018",
  "structurePaymentId": "b3278ecd-50f7-4b74-b314-d02cb56fc226",
  "paramName": "FROM_ACC_CCY",
  "paramValue": "#FROM_ACC_CCY"
},
{
  "id": "57eb1a1d-877b-4736-9091-46bcb5d2087f",
  "structurePaymentId": "b3278ecd-50f7-4b74-b314-d02cb56fc226",
  "paramName": "TO_ACC_CCY",
  "paramValue": "#TO_ACC_CCY"
},
{
  "id": "ece41aef-1c6f-402b-8f4e-3c4859b28b87",
  "structurePaymentId": "b3278ecd-50f7-4b74-b314-d02cb56fc226",

```

```

    "paramName": "TO_ACC_BRANCH",
    "paramValue": "#TO_ACC_BRANCH"
  },
  {
    "id": "82ddb23c-bc1a-473c-9b3f-bdaa135bb1e4",
    "structurePaymentId": "b3278ecd-50f7-4b74-b314-d02cb56fc226",
    "paramName": "EVENTSRNO",
    "paramValue": "1"
  },
  {
    "id": "9c52db58-b94a-4e08-b91a-9ae66f715bfc",
    "structurePaymentId": "b3278ecd-50f7-4b74-b314-d02cb56fc226",
    "paramName": "VALUEDT",
    "paramValue": "#VALUE_DT"
  },
  {
    "id": "6fd645ed-e1d6-4059-ae13-c7b7b5bc7349",
    "structurePaymentId": "b3278ecd-50f7-4b74-b314-d02cb56fc226",
    "paramName": "FROM_ACC",
    "paramValue": "#FROM_ACC"
  },
  {
    "id": "84c27c7c-9b81-43c8-b20b-855cbe2e51b2",
    "structurePaymentId": "b3278ecd-50f7-4b74-b314-d02cb56fc226",
    "paramName": "TOAC_LCYAMT",
    "paramValue": "#TOAC_LCYAMT"
  },
  {
    "id": "e26ed62d-e0c5-4a33-b936-8b79d34d8b94",
    "structurePaymentId": "b3278ecd-50f7-4b74-b314-d02cb56fc226",
    "paramName": "AVAILBALREQD",
    "paramValue": "#AVAILBALREQD"
  },
}

```

```

{
  "id": "d334ab6d-9314-453f-afb9-af75612bfbb2",
  "structurePaymentId": "b3278ecd-50f7-4b74-b314-d02cb56fc226",
  "paramName": "ENTITY_ID",
  "paramValue": "#ENTITY_ID"
},
{
  "id": "91912e01-67ca-4170-ab8d-110afdda94cf",
  "structurePaymentId": "b3278ecd-50f7-4b74-b314-d02cb56fc226",
  "paramName": "TRNDT",
  "paramValue": "#LOG_TIME"
},
{
  "id": "1ba49b02-2d74-42d7-9eee-f94272f73880",
  "structurePaymentId": "b3278ecd-50f7-4b74-b314-d02cb56fc226",
  "paramName": "TO_ACC_LCY",
  "paramValue": "#TO_ACC_LCY"
},
{
  "id": "33857b79-f596-441d-b96f-1d920a4983f6",
  "structurePaymentId": "b3278ecd-50f7-4b74-b314-d02cb56fc226",
  "paramName": "FCYAMOUNT",
  "paramValue": "#TO_FCY_AMOUNT"
},
{
  "id": "9323458b-8659-48f9-87f3-015551734bf6",
  "structurePaymentId": "b3278ecd-50f7-4b74-b314-d02cb56fc226",
  "paramName": "FROMAC_FCYAMOUNT",
  "paramValue": "#FROMAC_FCYAMOUNT"
},
{
  "id": "fb31738c-0bbb-4a49-aa16-050ab60ffd0f",
  "structurePaymentId": "b3278ecd-50f7-4b74-b314-d02cb56fc226",

```

```

    "paramName": "EXCHRATE",
    "paramValue": "#FX_RATE"
  },
  {
    "id": "4b03f4dc-08e9-48c6-aa76-1c7f5bf1fd06",
    "structurePaymentId": "b3278ecd-50f7-4b74-b314-d02cb56fc226",
    "paramName": "TRNCODE",
    "paramValue": "000"
  },
  {
    "id": "d1646dcc-b60e-452c-9f22-3198ade9a63b",
    "structurePaymentId": "b3278ecd-50f7-4b74-b314-d02cb56fc226",
    "paramName": "TO_ACC",
    "paramValue": "#TO_ACC"
  },
  {
    "id": "2cf58a66-2895-48c5-9474-34168e487190",
    "structurePaymentId": "b3278ecd-50f7-4b74-b314-d02cb56fc226",
    "paramName": "FROMAC_LCYAMOUNT",
    "paramValue": "#FROMAC_LCYAMOUNT"
  }
]
},
{
  "id": "9df0c2e5-4667-4ef7-adb1-da89b940ffe9",
  "structureDetailsId": "1883ba34-0575-4177-8422-c52616c3bab4",
  "sweepDirection": "Oneway",
  "interfaceMasterId": "2b274af6-2f1f-4892-b1c5-bc0f3e75ea09",
  "LmmTmStructurePaymentDetailDTO": [
    {
      "id": "d0154169-9f45-40cb-9fc3-eee4d5f631a9",
      "structurePaymentId": "9df0c2e5-4667-4ef7-adb1-da89b940ffe9",
      "paramName": "MODULE",

```

```

    "paramValue": "DE"
  },
  {
    "id": "743a71c8-791d-4ae1-9359-b4e0ddb04e78",
    "structurePaymentId": "9df0c2e5-4667-4ef7-adb1-da89b940ffe9",
    "paramName": "TOAC_FCYAMT",
    "paramValue": "#TOAC_FCYAMT"
  },
  {
    "id": "9f93b945-4020-44f6-8096-18db67e4af5e",
    "structurePaymentId": "9df0c2e5-4667-4ef7-adb1-da89b940ffe9",
    "paramName": "FROMAC_LCYAMOUNT",
    "paramValue": "#FROMAC_LCYAMOUNT"
  },
  {
    "id": "151b61a9-06ed-46aa-aaae-0939c3cf39cc",
    "structurePaymentId": "9df0c2e5-4667-4ef7-adb1-da89b940ffe9",
    "paramName": "EXCHRATE",
    "paramValue": "#FX_RATE"
  },
  {
    "id": "bb8f0079-e8e6-4ece-b977-644aaa82f662",
    "structurePaymentId": "9df0c2e5-4667-4ef7-adb1-da89b940ffe9",
    "paramName": "FROMAC_FCYAMOUNT",
    "paramValue": "#FROMAC_FCYAMOUNT"
  },
  {
    "id": "21432c65-ce9e-488e-8f10-41f4240bb8cc",
    "structurePaymentId": "9df0c2e5-4667-4ef7-adb1-da89b940ffe9",
    "paramName": "VALUEDT",
    "paramValue": "#VALUE_DT"
  },
  {

```

```

    "id": "81b7ce68-03d6-46be-b500-274517325485",
    "structurePaymentId": "9df0c2e5-4667-4ef7-adb1-da89b940ffe9",
    "paramName": "TRNREFNO",
    "paramValue": "#EXT_TRANSACTION_NO"
  },
  {
    "id": "5561f633-a93f-4fa4-bd7b-b2ecb0b787c9",
    "structurePaymentId": "9df0c2e5-4667-4ef7-adb1-da89b940ffe9",
    "paramName": "FROM_ACC_CCY",
    "paramValue": "#FROM_ACC_CCY"
  },
  {
    "id": "67babc1d-6853-40b2-915e-aa3f104aed2f",
    "structurePaymentId": "9df0c2e5-4667-4ef7-adb1-da89b940ffe9",
    "paramName": "TOAC_LCYAMT",
    "paramValue": "#TOAC_LCYAMT"
  },
  {
    "id": "7f64aa04-71ce-4d47-a7d4-4a6547495251",
    "structurePaymentId": "9df0c2e5-4667-4ef7-adb1-da89b940ffe9",
    "paramName": "TO_ACC",
    "paramValue": "#TO_ACC"
  },
  {
    "id": "0777f8a2-6827-4d0a-84e7-1c0ac17e04e1",
    "structurePaymentId": "9df0c2e5-4667-4ef7-adb1-da89b940ffe9",
    "paramName": "TO_ACC_CCY",
    "paramValue": "#TO_ACC_CCY"
  },
  {
    "id": "245aec61-63ae-41c8-9991-6438d774b7dc",
    "structurePaymentId": "9df0c2e5-4667-4ef7-adb1-da89b940ffe9",
    "paramName": "TRNCODE",

```

```

    "paramValue": "000"
  },
  {
    "id": "42c546fd-87de-4a75-ba4c-ddd2181e0e84",
    "structurePaymentId": "9df0c2e5-4667-4ef7-adb1-da89b940ffe9",
    "paramName": "FROM_ACC_BRANCH",
    "paramValue": "#FROM_ACC_BRANCH"
  },
  {
    "id": "3196a5b4-afd9-4e47-af13-1b0be0e34bbc",
    "structurePaymentId": "9df0c2e5-4667-4ef7-adb1-da89b940ffe9",
    "paramName": "EVENT",
    "paramValue": "INIT"
  },
  {
    "id": "1ff6d74f-8488-4da6-9a75-3c34d0b92614",
    "structurePaymentId": "9df0c2e5-4667-4ef7-adb1-da89b940ffe9",
    "paramName": "TO_ACC_LCY",
    "paramValue": "#TO_ACC_LCY"
  },
  {
    "id": "722ba682-75db-40da-83d1-a498ed696682",
    "structurePaymentId": "9df0c2e5-4667-4ef7-adb1-da89b940ffe9",
    "paramName": "AMOUNTTAG",
    "paramValue": "TXN_AMT1"
  },
  {
    "id": "4621dbd6-00f6-4159-8198-a4affc299d69",
    "structurePaymentId": "9df0c2e5-4667-4ef7-adb1-da89b940ffe9",
    "paramName": "ENTITY_ID",
    "paramValue": "#ENTITY_ID"
  },
  {

```

```

    "id": "a1d7ebdd-62e4-4890-b4cc-847be38a84eb",
    "structurePaymentId": "9df0c2e5-4667-4ef7-adb1-da89b940ffe9",
    "paramName": "AVAILBALREQD",
    "paramValue": "#AVAILBALREQD"
  },
  {
    "id": "6a4ae0c7-9459-44c5-905a-131d0f1d28fe",
    "structurePaymentId": "9df0c2e5-4667-4ef7-adb1-da89b940ffe9",
    "paramName": "TRNDT",
    "paramValue": "#LOG_TIME"
  },
  {
    "id": "b772d21e-59ea-46aa-a162-ab16fae5dcd1",
    "structurePaymentId": "9df0c2e5-4667-4ef7-adb1-da89b940ffe9",
    "paramName": "FROM_ACC",
    "paramValue": "#FROM_ACC"
  },
  {
    "id": "96549e49-65af-47b6-89a5-e13550d6ca43",
    "structurePaymentId": "9df0c2e5-4667-4ef7-adb1-da89b940ffe9",
    "paramName": "EVENTSRNO",
    "paramValue": "1"
  },
  {
    "id": "1bf32b00-a7f7-4b78-be6a-51cb583653b9",
    "structurePaymentId": "9df0c2e5-4667-4ef7-adb1-da89b940ffe9",
    "paramName": "FROM_ACC_LCY",
    "paramValue": "#FROM_ACC_LCY"
  },
  {
    "id": "bb4417ad-1ea0-47b5-8fee-be027bb9b962",
    "structurePaymentId": "9df0c2e5-4667-4ef7-adb1-da89b940ffe9",
    "paramName": "TO_ACC_BRANCH",

```



```

    "paramValue": "#TO_ACC_BRANCH"
  },
  {
    "id": "ca076ed5-a313-4fce-90dd-99c8c93d59ca",
    "structurePaymentId": "9df0c2e5-4667-4ef7-adb1-da89b940ffe9",
    "paramName": "LCYAMOUNT",
    "paramValue": "#TO_AMOUNT"
  },
  {
    "id": "b0bfba49-be88-456f-bc12-1948c031d210",
    "structurePaymentId": "9df0c2e5-4667-4ef7-adb1-da89b940ffe9",
    "paramName": "FCYAMOUNT",
    "paramValue": "#TO_FCY_AMOUNT"
  }
]
}
],
"LmmTmStructureAccPriorityDTO": [],
"LmmTmStrRevSweepDetailsDTO": [],
"LmmTmStructureIcIDTO": []
},
{
  "id": "87d8762d-7127-4064-8eca-17f70d25584a",
  "structureMasterId": "40e011ff-0ff7-4f8c-a70b-aa01fed8ca59",
  "accountNumber": "HEL0046400178",
  "accountDescription": "HEL0046400178",
  "branchCode": "HEL",
  "accountCurrency": "GBP",
  "isExternal": "Internal",
  "acyAvailableBal": 1000000,
  "bankCode": "0020",
  "countryId": "AUS",
  "cityId": "Sydney",

```

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"region": "Australia/Adelaide",  
"latitude": -33.92,  
"longitude": 151.1852,  
"isNotional": "N",  
"accCategory": "Sweep",  
"parentAccountNumber": null,  
"parentAccountBranch": null,  
"parentAccountCurrency": null,  
"bookingAccountNumber": "HEL0046400178",  
"bookingAccountBranch": "HEL",  
"bookingAccountCurrency": "GBP",  
"rateType": "STANDARD",  
"accountType": "Sweep",  
"sweepPriority": null,  
"isTwoWay": "Y",  
"reverseSweepFrequency": null,  
"twowaySweepPriority": null,  
"onlineBalanceFetch": null,  
"partialReverseSweep": null,  
"isHold": null,  
"eodExecution": null,  
"ratePickUp": null,  
"reallocationRequired": null,  
"reallocationMethod": null,  
"allowReverseSweep": null,  
"isNominatedAccount": "Y",  
"accountLevel": 0,  
"centralAccountNumber": null,  
"centralAccountBranch": null,  
"centralAccountCurrency": null,  
"percentageShare": 0,  
"percentageChildShare": null,  
"partialTransferAllowed": null,
```

```

    "holdStartDate": null,
    "holdEndDate": null,
    "isVirtual": "N",
    "oneWayAccountGroup": null,
    "twoWayAccountGroup": null,
    "isRegulatedDebits": "N",
    "entityID": "HEL_ENTITY",
    "entityName": "HEL_ENTITY_NAME",
    "iban": null,
    "customerName": "XXX XXXXXX",
    "LmmTmStructureInstructionDTO": [],
    "LmmTmStructurePaymentDTO": [],
    "LmmTmStructureAccPriorityDTO": [],
    "LmmTmStrRevSweepDetailsDTO": [],
    "LmmTmStructureIcdDTO": []
  }
],
"LmmTmStructureAccountsDTO": [
  {
    "id": "1fb03839-982e-42fd-ac81-e5f4fd2ee281",
    "structureMasterId": "40e011ff-0ff7-4f8c-a70b-aa01fed8ca59",
    "accountNumber": "HEL0046400178",
    "accountDescription": "HEL0046400178",
    "accountBranch": "HEL",
    "accountCurrency": "GBP",
    "isExternal": "Internal",
    "isNotional": "N",
    "accCategory": "Sweep",
    "accountType": null,
    "acyAvailableBal": 1000000,
    "bankCode": "0020",
    "countryId": "AUS",
    "cityId": "Sydney",

```

```

"region": "Australia/Adelaide",
"isSelected": "Y",
"isRegulatedDebits": "N",
"entityID": "HEL_ENTITY",
"entityName": "HEL_ENTITY_NAME",
"iban": null,
"customerName": "XXX XXXXXX"
},
{
  "id": "386a0140-1a7e-4d62-a421-7eae57bb98e1",
  "structureMasterId": "40e011ff-0ff7-4f8c-a70b-aa01fed8ca59",
  "accountNumber": "HEL0046400067",
  "accountDescription": "ALL SPORTS",
  "accountBranch": "HEL",
  "accountCurrency": "GBP",
  "isExternal": "Internal",
  "isNotional": "N",
  "accCategory": "Sweep",
  "accountType": null,
  "acyAvailableBal": 2500,
  "bankCode": "0020",
  "countryId": "AUS",
  "cityId": "Sydney",
  "region": "America/Detroit",
  "isSelected": "Y",
  "isRegulatedDebits": "N",
  "entityID": "HEL_ENTITY",
  "entityName": "HEL_ENTITY_NAME",
  "iban": null,
  "customerName": "XXX XXXXXX"
}
]
}

```

```
]
}
```

### Create Pool Structure

```
{
  "data": [
    {
      "headerAccountNumber": null,
      "endDate": "2022-07-01",
      "currencyRateType": "STANDARD",
      "backwardTreatment": "H",
      "balanceType": "V",
      "versionNo": 1,
      "centralAccountNumber": null,
      "allowSweepOnCurrencyHol": "Y",
      "holidayTreatment": "P",
      "structureStatus": "A",
      "structurePriority": 55,
      "fxRatePickup": "Offline",
      "headerCurrency": null,
      "reallocationMethod": "Even Direct Distribution",
      "maxBackwardDays": 2,
      "LmmTmStructureDetailsDTO": [
        {
          "reverseSweepFrequency": null,
          "percentageShare": 0,
          "accountCurrency": "GBP",
          "bookingAccountCurrency": "GBP",
          "rateType": "STANDARD",
          "isTwoWay": "Y",
          "structureMasterId": "",
          "LmmTmStructureInstructionDTO": [],
          "isExternal": "Internal",
          "accountType": "Pool",

```

```

    "accountLevel": 1,
    "branchCode": "HEL",
    "isNotional": "N",
    "reallocationMethod": null,
    "bookingAccountNumber": "HEL0046400067",
    "sweepPriority": null,
    "bookingAccountBranch": "HEL",
    "parentAccountBranch": null,
    "isNominatedAccount": "Y",
    "accountNumber": "HEL0046400067",
    "parentAccountNumber": null,
    "accCategory": "Pool",
    "parentAccountCurrency": null
  }
],
"centralAccountCurrency": null,
"sourceSystem": "OBDX",
"structureDescription": "Pool 19721",
"systemAccountCurrency": "GBP",
"systemAccountBranch": "HEL",
"LmmTmStructureAccountsDTO": [
  {
    "isExternal": "Internal",
    "accountCurrency": "GBP",
    "accountNumber": "HEL0046400067",
    "isNotional": "N",
    "isSelected": "Y",
    "accCategory": "Pool",
    "accountBranch": "HEL"
  }
],
"customerId": "000464",
"systemAccountNumber": null,

```

```

    "considerPostSweepBalance": "N",
    "ratePickUp": "Past 5 day Average Rate",
    "structureId": "ST98TZE860XD",
    "multiBankFlag": true,
    "centralAccountBranch": null,
    "structureType": "Pool",
    "headerBranchCode": null,
    "interestMethod": "I",
    "effectiveDate": "2018-07-19"
  }
]
}

```

### Modify Pool Structure

```

{
  "data": [{
    "keyId": "f8996b15-ca0d-4933-977c-5a3d4d29cd3d",
    "makerId": "OBDX02",
    "makerDateStamp": "2018-11-30T10:48:10.000+00:00",
    "checkerId": "OBDX02",
    "checkerDateStamp": "2018-11-30T10:48:10.000+00:00",
    "modNo": 1,
    "recordStatus": "O",
    "authStatus": "A",
    "onceAuth": "Y",
    "doerRemarks": null,
    "approverRemarks": null,
    "links": [],
    "structureId": "ST98TZE860XD",
    "structureDescription": "Pool 19721",
    "customerId": "000464",
    "customerName": "XXX XXXXXXX",
    "numberOfAccountsLinked": 2,
    "structureType": "Pool",
  }
]
}

```

"structurePriority": 55,  
"effectiveDate": "2018-07-19",  
"endDate": "2022-07-01",  
"headerAccountNumber": "OBDX\_SYSACC\_7153",  
"headerBranchCode": "HEL",  
"headerCurrency": "GBP",  
"multiBankFlag": "N",  
"crossBorderFlag": "N",  
"crossCurrencyFlag": "N",  
"balanceType": "V",  
"structureFrequency": null,  
"currencyRateType": "STANDARD",  
"allowSweepOnCurrencyHol": "Y",  
"interestMethod": "I",  
"ratePickUp": "Past 5 day Average Rate",  
"nextRunDate": null,  
"eodExecution": null,  
"reverseFrequency": null,  
"instructionType": null,  
"reallocationMethod": "Even Direct Distribution",  
"holidayTreatment": "P",  
"maxBackwardDays": 2,  
"backwardTreatment": "H",  
"centralAccountNumber": null,  
"centralAccountBranch": null,  
"centralAccountCurrency": null,  
"nextRunDateReverse": null,  
"prevRunDateReverse": null,  
"structureStatus": "A",  
"investmentSweep": null,  
"considerPostSweepBalance": "N",  
"fxRatePickup": "Offline",  
"limitTrackingFlag": null,



```

"sourceSystem": "OBDX",
"systemAccountNumber": null,
"systemAccountBranch": null,
"systemAccountCurrency": null,
"pauseStartDate": null,
"pauseEndDate": null,
"action": "NEW",
"versionNo": 1,
"isSimulation": "N",
"simulationId": null,
"exStrId": null,
"callFromValidate": false,
"bodExecution": null,
"revFreqEodExecution": null,
"revFreqBodExecution": null,
"isDirty": "Y",
"lastSuccessfulSweepDate": null,
"batchStatus": null,
"trackId": null,
"LmmTmStructureDetailsDTO": [
  {
    "id": "4c0499a6-32a6-406f-b31d-0b96d044d325",
    "structureMasterId": "f8996b15-ca0d-4933-977c-5a3d4d29cd3d",
    "accountNumber": "OBDX_SYSACC_7153",
    "accountDescription": "OBDX_SYSACC_7153 Notional Account",
    "branchCode": "HEL",
    "accountCurrency": "GBP",
    "isExternal": "External",
    "acyAvailableBal": null,
    "bankCode": "0020",
    "countryId": "AUS",
    "cityId": "Sydney",
    "region": "Australia/Adelaide",
  }
]

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"latitude": -33.92,  
"longitude": 151.1852,  
"isNotional": "Y",  
"accCategory": "Pool",  
"parentAccountNumber": null,  
"parentAccountBranch": null,  
"parentAccountCurrency": null,  
"bookingAccountNumber": "OBDX\_SYSACC\_7153",  
"bookingAccountBranch": "HEL",  
"bookingAccountCurrency": "GBP",  
"rateType": null,  
"accountType": "Notional",  
"sweepPriority": 1,  
"isTwoWay": null,  
"reverseSweepFrequency": null,  
"twowaySweepPriority": null,  
"onlineBalanceFetch": null,  
"partialReverseSweep": null,  
"isHold": "N",  
"eodExecution": "N",  
"ratePickUp": null,  
"reallocationRequired": null,  
"reallocationMethod": null,  
"allowReverseSweep": "N",  
"isNominatedAccount": null,  
"accountLevel": 0,  
"centralAccountNumber": null,  
"centralAccountBranch": null,  
"centralAccountCurrency": null,  
"percentageShare": null,  
"percentageChildShare": null,  
"partialTransferAllowed": null,  
"holdStartDate": null,

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"holdEndDate": null,
"isVirtual": null,
"oneWayAccountGroup": null,
"twoWayAccountGroup": null,
"isRegulatedDebits": "N",
"entityID": "HEL_ENTITY",
"entityName": "HEL_ENTITY_NAME",
"iban": null,
"customerName": "XXX XXXXXX",
"LmmTmStructureInstructionDTO": [],
"LmmTmStructurePaymentDTO": [],
"LmmTmStructureAccPriorityDTO": [],
"LmmTmStrRevSweepDetailsDTO": [],
"LmmTmStructureIcdDTO": []
},
{
  "id": "bf46f936-e1f0-4ec9-a3e7-a9036f2bd7b6",
  "structureMasterId": "f8996b15-ca0d-4933-977c-5a3d4d29cd3d",
  "accountNumber": "HEL0046400067",
  "accountDescription": "ALL SPORTS",
  "branchCode": "HEL",
  "accountCurrency": "GBP",
  "isExternal": "Internal",
  "acyAvailableBal": 2500,
  "bankCode": "0020",
  "countryId": "AUS",
  "cityId": "Sydney",
  "region": "America/Detroit",
  "latitude": -33.92,
  "longitude": 151.1852,
  "isNotional": "N",
  "accCategory": "Pool",
  "parentAccountNumber": "OBDX_SYSACC_7153",

```

```
"parentAccountBranch": "HEL",  
"parentAccountCurrency": "GBP",  
"bookingAccountNumber": "HEL0046400067",  
"bookingAccountBranch": "HEL",  
"bookingAccountCurrency": "GBP",  
"rateType": "STANDARD",  
"accountType": "Pool",  
"sweepPriority": null,  
"isTwoWay": "Y",  
"reverseSweepFrequency": null,  
"twowaySweepPriority": null,  
"onlineBalanceFetch": null,  
"partialReverseSweep": null,  
"isHold": null,  
"eodExecution": null,  
"ratePickUp": null,  
"reallocationRequired": null,  
"reallocationMethod": null,  
"allowReverseSweep": null,  
"isNominatedAccount": "Y",  
"accountLevel": 1,  
"centralAccountNumber": null,  
"centralAccountBranch": null,  
"centralAccountCurrency": null,  
"percentageShare": 0,  
"percentageChildShare": null,  
"partialTransferAllowed": null,  
"holdStartDate": null,  
"holdEndDate": null,  
"isVirtual": "N",  
"oneWayAccountGroup": null,  
"twoWayAccountGroup": null,  
"isRegulatedDebits": "N",
```

```

    "entityID": "HEL_ENTITY",
    "entityName": "HEL_ENTITY_NAME",
    "iban": null,
    "customerName": "XXX XXXXXX",
    "LmmTmStructureInstructionDTO": [],
    "LmmTmStructurePaymentDTO": [],
    "LmmTmStructureAccPriorityDTO": [],
    "LmmTmStrRevSweepDetailsDTO": [],
    "LmmTmStructureIcdDTO": []
  }
],
"LmmTmStructureAccountsDTO": [
  {
    "id": "851563de-855a-412a-b8fe-0bac5b5df735",
    "structureMasterId": "f8996b15-ca0d-4933-977c-5a3d4d29cd3d",
    "accountNumber": "OBDX_SYSACC_7153",
    "accountDescription": "OBDX_SYSACC_7153 Notional Account",
    "accountBranch": "HEL",
    "accountCurrency": "GBP",
    "isExternal": "External",
    "isNotional": "Y",
    "accCategory": "Pool",
    "accountType": "Notional",
    "acyAvailableBal": null,
    "bankCode": "0020",
    "countryId": "AUS",
    "cityId": "Sydney",
    "region": "Australia/Adelaide",
    "isSelected": "Y",
    "isRegulatedDebits": "N",
    "entityID": "HEL_ENTITY",
    "entityName": "HEL_ENTITY_NAME",
    "iban": null,

```

```

    "customerName": "XXX XXXXXX"
  },
  {
    "id": "52a00e2f-394c-4b70-8b27-29b39ed4a5fb",
    "structureMasterId": "f8996b15-ca0d-4933-977c-5a3d4d29cd3d",
    "accountNumber": "HEL0046400067",
    "accountDescription": "ALL SPORTS",
    "accountBranch": "HEL",
    "accountCurrency": "GBP",
    "isExternal": "Internal",
    "isNotional": "N",
    "accCategory": "Pool",
    "accountType": null,
    "acyAvailableBal": 2500,
    "bankCode": "0020",
    "countryId": "AUS",
    "cityId": "Sydney",
    "region": "America/Detroit",
    "isSelected": "Y",
    "isRegulatedDebits": "N",
    "entityID": "HEL_ENTITY",
    "entityName": "HEL_ENTITY_NAME",
    "iban": null,
    "customerName": "XXX XXXXXX"
  }
]
}}
}

```

**Create Hybrid Structure**

```

{
  "data": [
    {
      "headerAccountNumber": null,
      "endDate": "2022-07-01",
      "currencyRateType": "STANDARD",
      "backwardTreatment": "H",
      "balanceType": "V",
      "versionNo": 1,
      "centralAccountNumber": null,
      "allowSweepOnCurrencyHol": "Y",
      "holidayTreatment": "P",
      "structureStatus": "A",
      "structurePriority": 57,
      "fxRatePickup": "Offline",
      "headerCurrency": null,
      "reallocationMethod": "Absolute Pro-Rata Distribution",
      "maxBackwardDays": 2,
      "LmmTmStructureDetailsDTO": [
        {
          "reverseSweepFrequency": null,
          "percentageShare": 0,
          "accountCurrency": "GBP",
          "bookingAccountCurrency": "GBP",
          "rateType": "STANDARD",
          "isTwoWay": "Y",
          "structureMasterId": "",
          "LmmTmStructureInstructionDTO": [],
          "isExternal": "Internal",
          "accountType": "Pool",
          "accountLevel": 1,
          "branchCode": "HEL",

```

```

"isNotional": "N",
"reallocationMethod": null,
"bookingAccountNumber": "HEL0046400067",
"sweepPriority": null,
"bookingAccountBranch": "HEL",
"parentAccountBranch": null,
"isNominatedAccount": "Y",
"accountNumber": "HEL0046400067",
"parentAccountNumber": null,
"accCategory": "Pool",
"parentAccountCurrency": null
},
{
"reverseSweepFrequency": "FM2341112",
"percentageShare": 0,
"accountCurrency": "GBP",
"bookingAccountCurrency": "GBP",
"rateType": "STANDARD",
"isTwoWay": "Y",
"structureMasterId": "",
"LmmTmStructureInstructionDTO": [
  {
    "structureDetailsId": "",
    "LmmTmStructureInstructionDetDTO": [
      {
        "structureInstructionId": "",
        "paramName": "Maximum",
        "paramValue": "4000"
      },
      {
        "structureInstructionId": "",
        "paramName": "MaximumDeficit",
        "paramValue": "1000"
      }
    ]
  }
]
}

```



```

    },
    {
      "structureInstructionId": "",
      "paramName": "Minimum",
      "paramValue": "1"
    },
    {
      "structureInstructionId": "",
      "paramName": "MinimumDeficit",
      "paramValue": "100"
    },
    {
      "structureInstructionId": "",
      "paramName": "Multiple",
      "paramValue": "10"
    }
  ],
  "instrDesc": "Zero Balance Model",
  "instructionPriority": 1,
  "LmmTmStructureInstructionFrequencyDTO": [
    {
      "frequencyId": "FM2341112",
      "structureInstructionId": "",
      "freqDesc": null
    }
  ],
  "instructionId": "TEST22"
}
],
"isExternal": "Internal",
"accountType": "Sweep",
"accountLevel": 2,
"branchCode": "HEL",

```

```

    "isNotional": "N",
    "reallocationMethod": null,
    "bookingAccountNumber": "HEL0046400178",
    "sweepPriority": 1,
    "bookingAccountBranch": "HEL",
    "parentAccountBranch": "HEL",
    "isNominatedAccount": "Y",
    "accountNumber": "HEL0046400178",
    "parentAccountNumber": "HEL0046400067",
    "accCategory": "Sweep",
    "parentAccountCurrency": "GBP"
  }
],
"centralAccountCurrency": null,
"sourceSystem": "OBDX",
"structureDescription": "Hybrid 19721",
"systemAccountCurrency": "GBP",
"systemAccountBranch": "HEL",
"LmmTmStructureAccountsDTO": [
  {
    "isExternal": "Internal",
    "accountCurrency": "GBP",
    "accountNumber": "HEL0046400067",
    "isNotional": "N",
    "isSelected": "Y",
    "accCategory": "Pool",
    "accountBranch": "HEL"
  },
  {
    "isExternal": "Internal",
    "accountCurrency": "GBP",
    "accountNumber": "HEL0046400178",
    "isNotional": "N",

```

```
        "isSelected": "Y",
        "accCategory": "Sweep",
        "accountBranch": "HEL"
    }
],
"customerId": "000464",
"systemAccountNumber": null,
"considerPostSweepBalance": "Y",
"ratePickUp": "Past 5 day Average Rate",
"structureId": "STUY82QJW4SH",
"multiBankFlag": true,
"centralAccountBranch": null,
"structureType": "Hybrid",
"headerBranchCode": null,
"interestMethod": "I",
"effectiveDate": "2018-07-19"
}
]
}
```

**Modify Hybrid Structure**

```

{
  "data": [
    {
      "headerAccountNumber": null,
      "endDate": "2022-07-01",
      "currencyRateType": "STANDARD",
      "backwardTreatment": "H",
      "balanceType": "V",
      "versionNo": 1,
      "centralAccountNumber": null,
      "allowSweepOnCurrencyHol": "Y",
      "holidayTreatment": "P",
      "structureStatus": "A",
      "structurePriority": 57,
      "fxRatePickup": "Offline",
      "headerCurrency": null,
      "reallocationMethod": "Absolute Pro-Rata Distribution",
      "maxBackwardDays": 2,
      "LmmTmStructureDetailsDTO": [
        {
          "reverseSweepFrequency": null,
          "percentageShare": 0,
          "accountCurrency": "GBP",
          "bookingAccountCurrency": "GBP",
          "rateType": "STANDARD",
          "isTwoWay": "Y",
          "structureMasterId": "",
          "LmmTmStructureInstructionDTO": [],
          "isExternal": "Internal",
          "accountType": "Pool",
          "accountLevel": 1,
          "branchCode": "HEL",

```

```

"isNotional": "N",
"reallocationMethod": null,
"bookingAccountNumber": "HEL0046400067",
"sweepPriority": null,
"bookingAccountBranch": "HEL",
"parentAccountBranch": null,
"isNominatedAccount": "Y",
"accountNumber": "HEL0046400067",
"parentAccountNumber": null,
"accCategory": "Pool",
"parentAccountCurrency": null
},
{
"reverseSweepFrequency": "FM2341112",
"percentageShare": 0,
"accountCurrency": "GBP",
"bookingAccountCurrency": "GBP",
"rateType": "STANDARD",
"isTwoWay": "Y",
"structureMasterId": "",
"LmmTmStructureInstructionDTO": [
  {
    "structureDetailsId": "",
    "LmmTmStructureInstructionDetDTO": [
      {
        "structureInstructionId": "",
        "paramName": "Maximum",
        "paramValue": "4000"
      },
      {
        "structureInstructionId": "",
        "paramName": "MaximumDeficit",
        "paramValue": "1000"
      }
    ]
  }
]
}

```

```

    },
    {
      "structureInstructionId": "",
      "paramName": "Minimum",
      "paramValue": "1"
    },
    {
      "structureInstructionId": "",
      "paramName": "MinimumDeficit",
      "paramValue": "100"
    },
    {
      "structureInstructionId": "",
      "paramName": "Multiple",
      "paramValue": "10"
    }
  ],
  "instrDesc": "Zero Balance Model",
  "instructionPriority": 1,
  "LmmTmStructureInstructionFrequencyDTO": [
    {
      "frequencyId": "FM2341112",
      "structureInstructionId": "",
      "freqDesc": null
    }
  ],
  "instructionId": "TEST22"
}
],
"isExternal": "Internal",
"accountType": "Sweep",
"accountLevel": 2,
"branchCode": "HEL",

```

```

    "isNotional": "N",
    "reallocationMethod": null,
    "bookingAccountNumber": "HEL0046400178",
    "sweepPriority": 1,
    "bookingAccountBranch": "HEL",
    "parentAccountBranch": "HEL",
    "isNominatedAccount": "Y",
    "accountNumber": "HEL0046400178",
    "parentAccountNumber": "HEL0046400067",
    "accCategory": "Sweep",
    "parentAccountCurrency": "GBP"
  }
],
"centralAccountCurrency": null,
"sourceSystem": "OBDX",
"structureDescription": "Hybrid 19721",
"systemAccountCurrency": "GBP",
"systemAccountBranch": "HEL",
"LmmTmStructureAccountsDTO": [
  {
    "isExternal": "Internal",
    "accountCurrency": "GBP",
    "accountNumber": "HEL0046400067",
    "isNotional": "N",
    "isSelected": "Y",
    "accCategory": "Pool",
    "accountBranch": "HEL"
  },
  {
    "isExternal": "Internal",
    "accountCurrency": "GBP",
    "accountNumber": "HEL0046400178",
    "isNotional": "N",

```

```
        "isSelected": "Y",
        "accCategory": "Sweep",
        "accountBranch": "HEL"
    }
],
"customerId": "000464",
"systemAccountNumber": null,
"considerPostSweepBalance": "Y",
"ratePickUp": "Past 5 day Average Rate",
"structureId": "STUY82QJW4SH",
"multiBankFlag": true,
"centralAccountBranch": null,
"structureType": "Hybrid",
"headerBranchCode": null,
"interestMethod": "I",
"effectiveDate": "2018-07-19"
}
]
}
```