

Oracle® Banking Accounts Integration Guide



Release 14.9.0.0.0

G59058-01

August 2026

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Preface

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- [Audience](#)
- [Prerequisite](#)
To login to **Home** screen, refer the *Getting Started User Guide* in the Oracle Banking Accounts documentation library.
- [Documentation Accessibility](#)
- [Diversity and Inclusion](#)
- [Conventions](#)
- [Related Resources](#)
- [Acronyms and Abbreviations](#)
The following acronyms and abbreviations are used in this guide:
- [Screenshot Disclaimer](#)

Purpose (1) (1)

This guide describes the APIs that are configured in Oracle Banking Accounts through Oracle Banking Routing Hub Module.

Audience

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

Table 1 Audience

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

Prerequisite

To login to **Home** screen, refer the *Getting Started User Guide* in the Oracle Banking Accounts documentation library.

Documentation Accessibility

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Conventions

The following text conventions are used in this document:

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

Related Resources

The related document is as follow:

- *Routing Hub Configuration User Guide*

Acronyms and Abbreviations

The following acronyms and abbreviations are used in this guide:

Table 2 Acronyms and Abbreviations

Abbreviation	Description
API	Application Programming Interface
ELCM	Enterprise Limits and Collateral Management
OBCDDA	Oracle Banking Corporate Demand Deposit Account
OBRH	Oracle Banking Routing Hub
OBPM	Oracle Banking Payments
OBTLR	Oracle Banking Transaction Layer Repository
OBA	Oracle Banking Accounts

Screenshot Disclaimer

Personal information used in the interface or documents is dummy and does not exist in the real world. It is only for reference purposes.

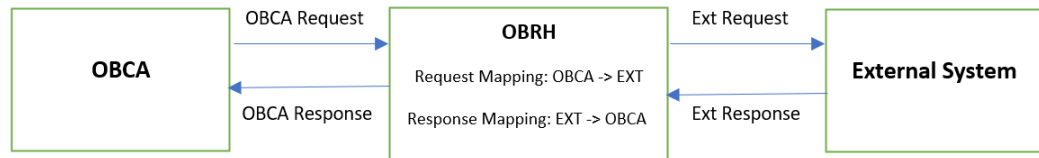
1

Oracle Banking Routing Hub

This topic provides the information about Oracle Banking Routing Hub.

Oracle Banking Routing Hub enables seamless and standardized integrations between FSGBU Banking Products using configurations provided as part of the product infrastructure as displayed below:

Figure 1-1 Oracle Banking Routing Hub



For more details on Oracle Banking Routing Hub configuration, refer to the *Oracle Banking Routing Hub Configuration Guide*.

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ELCM Implementation

This topic provides the information about APIs configured using Oracle Banking Routing Hub.

For more details, refer the following table:

Table 2-1 Configure APIs

API	Host	Version
createBlock	cnobfc-cluster-1-ms1.fsgbu-obcbcs-nonprod--obfc-devtestbank1:7501	14.6.1.0.0
utilize	cnobfc-cluster-1-ms1.fsgbu-obcbcs-nonprod--obfc-devtestbank1:7501	14.6.1.0.0
QueryUtilization	cnobfc-cluster-1-ms1.fsgbu-obcbcs-nonprod--obfc-devtestbank1:7501	14.6.1.0.0
getValidLines	cnobfc-cluster-1-ms1.fsgbu-obcbcs-nonprod--obfc-devtestbank1:7501	14.6.1.0.0

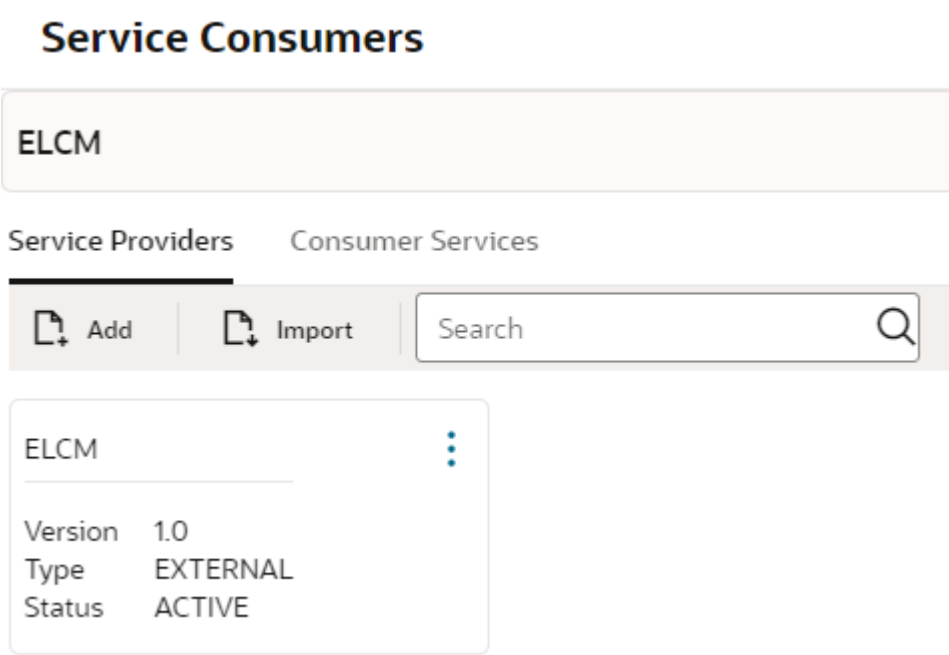
- [Service Providers](#)
This topic provides the information about the multiple service providers that are added to configure ELCM. **Service Providers** use Rest based API's for request or response in JSON format.
- [Service Consumers](#)
This topic provides the information about the multiple service consumers that are added to configure ELCM in Oracle Banking Routing Hub.

2.1 Service Providers

This topic provides the information about the multiple service providers that are added to configure ELCM. **Service Providers** use Rest based API's for request or response in JSON format.

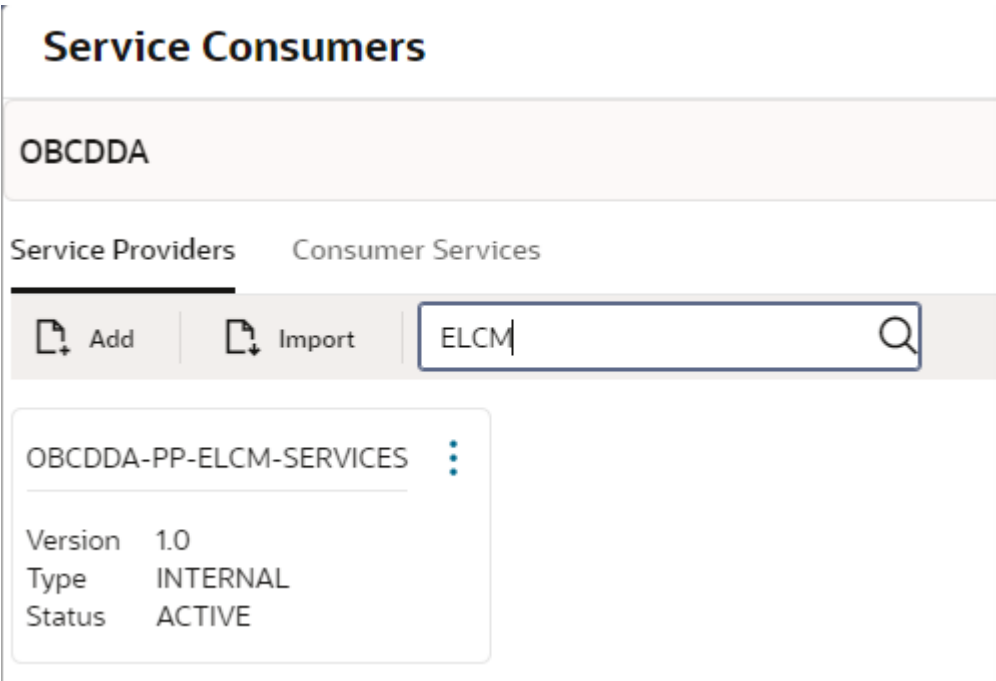
Below screenshot displays the **ELCM Service Providers**:

Figure 2-1 Service Providers



Below screenshot displays the **ELCM Service Providers** for **OBCDDA**:

Figure 2-2 ELCM Service Providers



2.2 Service Consumers

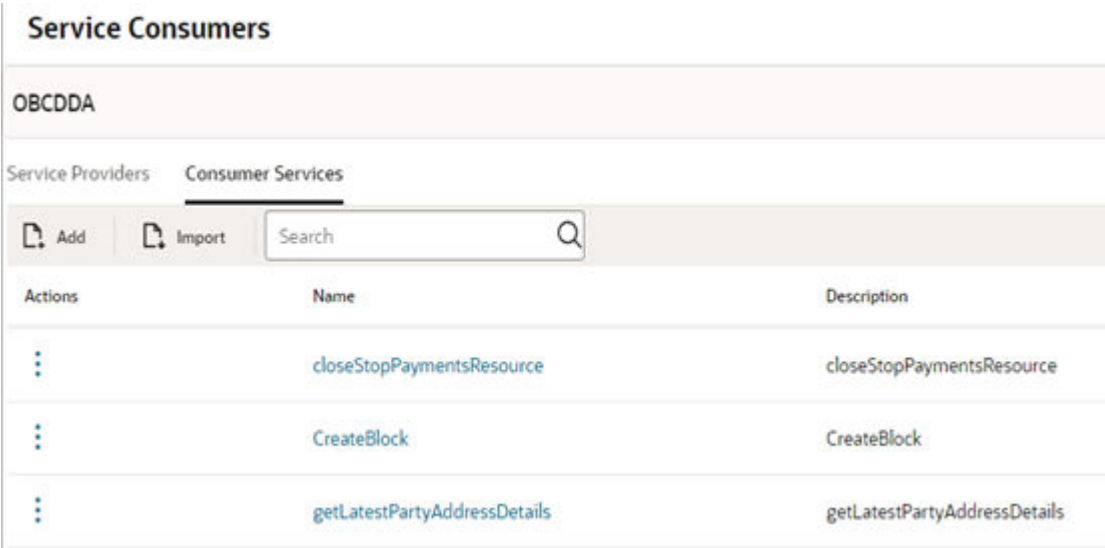
This topic provides the information about the multiple service consumers that are added to configure ELCM in Oracle Banking Routing Hub.

The following four endpoints are required for consumer services to be configured in Oracle Banking Routing Hub:

- **createBlock**
- **utilize**
- **QueryUtilization**
- **getValidLines**

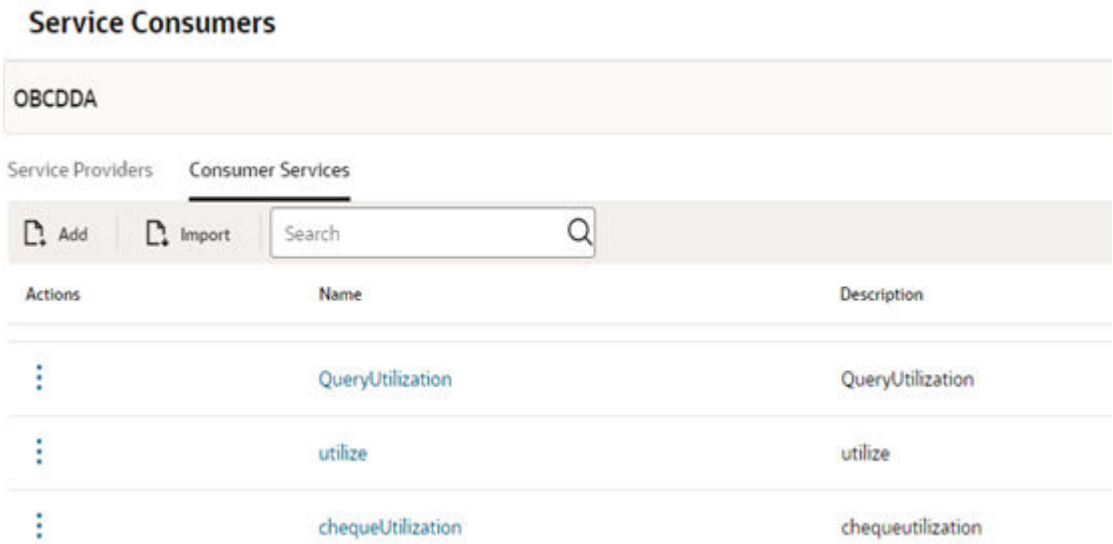
Below screenshot displays the **Service Consumers** in Oracle Banking Accounts:

Figure 2-3 Service Consumers



Service Consumers		
OBCDDA		
Service Providers Consumer Services		
Add Import Search		
Actions	Name	Description
⋮	closeStopPaymentsResource	closeStopPaymentsResource
⋮	CreateBlock	CreateBlock
⋮	getLatestPartyAddressDetails	getLatestPartyAddressDetails

Figure 2-4 Service Consumers 2



Below screenshot displays the **ELCM Service Consumers**:

Figure 2-5 ELCM Service Consumers



- [Create Block](#)
This topic describes about the sample request and response for the consumer service **createBlock**.
- [Utilize](#)
This topic describes about the sample request and response for the consumer service **Utilize**.
- [Query Utilization](#)
This topic describes about the sample request and response for the consumer service **Query Utilization**.
- [Get Valid Lines](#)
This topic describes about the sample request and response for the consumer service **GetValidLines**.

2.2.1 Create Block

This topic describes about the sample request and response for the consumer service **createBlock**.

Request and Response

SERVICE-CONSUMER = "OBCDDA"

SERVICE-CONSUMER-SERVICE=" CreateBlock"

Request

```
{
  "blkRefNo": "10556970083326443531_EA_C",
  "blockLogs":
  [
    {
      "action": "NEW",
      "amtTag": "PRINCIPAL",
      "blkAmt": 1,
      "blkCcy": "USD",
      "customerNo": "0029702",
      "defaultLiab": "D",
      "eventCode": "INIT",
      "eventSlNo": "1",
      "limitType": "F",
      "lineCd": "LNFORD",
      "lineSerial": "1",
      "source": "CDDA"
    }
  ]
}
```

Response

```
{
  "Block-Master-Full": {
    "authStat": "A",
    "action": "NEW",
    "authDtStamp": "2021-03-17T04:03:03",
    "authId": "OBELCMUSER1",
    "inputUserId": "OBELCMUSER1",
    "inputDtStamp": "2021-03-17T04:03:03",
    "versionNo": 1,
    "blkBrn": "B01",
    "blkRefNo": "10556970083326443531_EA_C",
    "keyId": "GETB_BLOCKS-BLK_REF_NO",
    "blockLogs": [
      {
        "changeBlkAmt": 1,
        "version": 0,
        "action": "NEW",
        "serialNo": 192,

```

```
"blockId": "B012107600000021",
"customerNo": "0029702",
"liabId": 41,
"processNo": 1,
"transDate": "2021-03-17T00:00:00",
"blkAmt": 1,
"blkCcy": "USD",
"blkBrn": "B01",
"blkPrd": "UTIL",
"uncoll": 0,
"tenorBasis": "N",
"tenor": 0,
"maturedAmt": 0,
"matured": "N",
"amtTag": "PRINCIPAL",
"module": "GE",
"valueDate": "2021-03-17T00:00:00",
"source": "CDDA",
"txnId": "22357040302847001251",
"txnPercent": 0,
"txnStatus": "0",
"blkStat": "A",
"authStat": "A",
"versionNo": 1,
"inputUserId": "OBELCMUSER1",
"inputDtStamp": "2021-03-17T04:03:03",
"authId": "OBELCMUSER1",
"authDtStamp": "2021-03-17T04:03:03",
"liabCcy": "USD",
"liabBranch": "B01",
"liabBlock": 1,
"liabExchRate": 1,
"multiAuth": "N",
"vdUpdate": "N",
"liabNo": "FORD",
"lineCd": "LNFORD",
"lineSerial": 1,
"ignoreOverrides": "N",
"limitType": "F",
"limitId": 21,
"limitCcy": "GBP",
"limitBlock": 0.5,
"limitExchRate": 0.5,
"limitCcyUncoll": 0,
"limitCcyMatured": 0,
"txnInitDate": "2021-03-17T00:00:00",
"eventCode": "INIT",
"eventsSlNo": 1,
"shadowLimit": "N",
"forceAuth": "N",
"onceAuthorized": false,
"recordStatus": "0",
"endOfInput": "N",
"autoAuth": "Y",
"offsetHr": 0,
"offsetMin": 0,
```

```

"considerAsRevolving": "N",
"dataMigration": "N",
"isSimulation": "N",
"ismergeOperation": "N",
"revalLimit": "Y",
"keyId": "~GETB_BLOCKS_LOG-SERIAL_NO",
"keyValue": "~GETB_BLOCKS_LOG~192~",
"liabilityDetails": [
  {
    "version": 24,
    "id": 41,
    "blockAmount": 1622,
    "liabNo": "FORD",
    "liabBranch": "B01",
    "liabCcy": "USD",
    "utilAmt": 3723,
    "overallLimit": 999999999,
    "unadvised": "N",
    "liabilityCustomerLinkage": {
      "maker": "OBELCMUSER1",
      "makerstamp": "2021-03-17T07:09:33",
      "checker": "OBELCMUSER1",
      "checkerstamp": "2021-03-17T07:09:33",
      "modno": 1,
      "txnstat": "0",
      "authstat": "A",
      "onceauth": "Y",
      "version": 1,
      "udfs": [],
      "misdetails": [],
      "id": 22,
      "customerNo": "0029702",
      "liabId": 41,
      "branchCode": "B01",
      "issuer": "N",
      "keyId": "~GETM_LIAB_CUST-CUSTOMER_NO",
      "keyValue": "~GETM_LIAB_CUST~0029702~",
      "liabCustExposures": [],
      "liabTrackCodes": []
    },
    "processNo": 1,
    "keyId": "~GETM_LIAB~LIAB_NO~"
  }
],
"facilityDetails": [
  {
    "version": 14,
    "liabilityId": 41,
    "lineCode": "LNFORD",
    "lineSerial": 1,
    "ismergeOperation": "N",
    "id": 21,
    "onceAuthorized": false,
    "maturedUtil": 0,
    "outUtAmount": 1601.5,
    "osucAmount": 1601.5,

```

```

"committed": "N",
"collateralContribution": 0,
"lineCurrency": "GBP",
"revolvingLine": "N",
"lineStartDate": "2021-03-04T00:00:00",
"lastNewUtildate": "2021-03-17T00:00:00",
"availabilityFlag": "Y",
"limitAmount": 1000,
"uncollectedFundsLimit": 0,
"availableAmount": -1402.5,
"dateOfFirstOrder": "2021-03-04T00:00:00",
"dateOfLastOrder": "2021-03-17T00:00:00",
"amountUtilizedToday": 1602,
"amountReinstatedToday": 0,
"uncollectedAmount": 0,
"utilization": 1601.5,
"branch": "001",
"limitAmountBasis": "L",
"unadvised": "N",
"transferAmount": 0,
"displayEffectiveLineAmount": 1000,
"blockAmount": 801,
"nettingAmount": 0,
"tenorRestrictionType": "D",
"customerRestrictionType": "D",
"currencyRestrictionType": "D",
"productRestrictionType": "D",
"branchRestrictionType": "D",
"extSystemRestrictionType": "D",
"shadowLimit": "N",
"dayLightLimit": 0,
"expRestType": "D",
"revolvingAmount": 0,
"facilityType": "L",
"revalReqrd": "N",
"rateAgrmntReqd": "N",
"dayLightOdLimit": 0,
"earMarkingDto": {
  "version": 0,
  "udfs": [],
  "misdetails": [],
  "keyId": "~GETM_FACILITY_BLOCK~BLOCK_NO",
  "keyValue": "~GETM_FACILITY_BLOCK~null~"
},
"liabilityDT0": {
  "version": 0,
  "liabilityCustomerLinkage": {
    "version": 0,
    "udfs": [],
    "misdetails": [],
    "keyId": "~GETM_LIAB_CUST~CUSTOMER_NO",
    "keyValue": "~GETM_LIAB_CUST~null~",
    "liabCustExposures": [],
    "liabTrackCodes": []
  },
  "keyId": "~GETM_LIAB~LIAB_NO~"
}

```

```

        }
    },
    "collateralsDetails": {
        "version": 0,
        "onceAuthorized": false
    },
    "collateralsPoolDetails": {
        "liabilityDto": {
            "version": 0,
            "liabilityCustomerLinkage": {
                "version": 0,
                "udfs": [],
                "misdetails": [],
                "keyId": "~GETM_LIAB_CUST~CUSTOMER_NO",
                "keyValue": "~GETM_LIAB_CUST~null~",
                "liabCustExposures": [],
                "liabTrackCodes": []
            },
            "keyId": "~GETM_LIAB~LIAB_NO~"
        },
        "ismergeOperation": "N",
        "version": 0
    },
    "defaultLiab": "D",
    "gdaysNeeded": "Y"
}
]
},
"FCUBS_WARNING_RESP": {
    "WARNING": [
        {
            "WCODE": "GE-00113",
            "WDESC": "Line 41-LNFORD1 - Amount exceeds line limit.
Limit = 1000 GBP. Block = 801.0 GBP. Overdraft = 1402.5 GBP %Overdraft =
140.25"
        },
        {
            "WCODE": "ST-SAVE-002",
            "WDESC": "Record Successfully Saved and Authorized"
        }
    ]
},
"FCUBS_ERROR_RESP": {
    "ERROR": []
},
"MSGID": "22357040302847001251"
}

```

2.2.2 Utilize

This topic describes about the sample request and response for the consumer service **Utilize**.

Request and Response

SERVICE-CONSUMER = "OBCDDA"

SERVICE-CONSUMER-SERVICE="utilize"

Request

```
{
  "userRefno": "ACCSAVB01USD52829163",
  "utilLogs": [
    {
      "action": "INCREASE",
      "amtTag": "PRINCIPAL",
      "blockRefNo": "10556970083326443531_EA_C",
      "customerNo": "0029702",
      "defaultLiab": "D",
      "eventCode": "UTIL",
      "eventSlNo": "2",
      "limitType": "F",
      "lineCd": "LNFORD",
      "lineSerial": "1",
      "source": "CDDA",
      "utilAmt": 1,
      "utilCcy": "USD"
    }
  ]
}
```

Response

```
{
  "Util-Master-Full": {
    "userRefno": "ACCSAVB01USD52829163",
    "keyId": "~GETB_UTILS~USER_REFNO",
    "keyValue": "~GETB_UTILS~ACCSAVB01USD52829163~",
    "utilLogs": [
      {
        "utilHistory": {
          "version": 0
        },
        "valueDateUtilization": {
          "keyId":
            "~GETB_VD_UTILS~FACILITY_ID~VALUE_DATE~USER_REFNO",
          "keyValue": "~GETB_VD_UTILS~null~null~null~"
        },
        "facilityDetails": [
          {
            "version": 16,
            "liabilityId": 41,

```

```

"lineCode": "LNFORD",
"lineSerial": 1,
"ismergeOperation": "N",
"id": 21,
"onceAuthorized": false,
"maturedUtil": 0,
"outUtAmount": 1603,
"osucAmount": 1603,
"committed": "N",
"nrsAdjAmt": 0,
"collateralContribution": 0,
"lineCurrency": "GBP",
"revolvingLine": "N",
"lineStartDate": "2021-03-04T00:00:00",
"lastNewUtildate": "2021-03-04T00:00:00",
"availabilityFlag": "Y",
"limitAmount": 1000,
"uncollectedFundsLimit": 0,
"availableAmount": -1404,
"dateOfFirstOrder": "2021-03-04T00:00:00",
"dateOfLastOrder": "2021-03-04T00:00:00",
"amountUtilizedToday": 1603,
"amountReinstatedToday": 0,
"uncollectedAmount": 0,
"utilization": 1603,
"branch": "001",
"limitAmountBasis": "L",
"unadvised": "N",
"transferAmount": 0,
"displayEffectiveLineAmount": 1000,
"blockAmount": 801,
"tankUtilization": 0,
"nettingAmount": 0,
"tenorRestrictionType": "D",
"customerRestrictionType": "D",
"currencyRestrictionType": "D",
"productRestrictionType": "D",
"branchRestrictionType": "D",
"extSystemRestrictionType": "D",
"shadowLimit": "N",
"dayLightLimit": 0,
"expRestType": "D",
"revolvingAmount": 0,
"facilityType": "L",
"revalReqrd": "N",
"rateAgrmntReqd": "N",
"dayLightOdLimit": 0,
"earMarkingDto": {
  "version": 0,
  "udfs": [],
  "misdetails": [],
  "keyId": "~GETM_FACILITY_BLOCK~BLOCK_NO",
  "keyValue": "~GETM_FACILITY_BLOCK~null~"
},
"liabilityDT0": {
  "version": 0,

```

```

        "liabilityCustomerLinkage": {
            "version": 0,
            "udfs": [],
            "misdetails": [],
            "keyId": "~GETM_LIAB_CUST-CUSTOMER_NO",
            "keyValue": "~GETM_LIAB_CUST-null~",
            "liabCustExposures": [],
            "liabTrackCodes": []
        },
        "keyId": "~GETM_LIAB-LIAB_NO~"
    }
},
"collateralsDetails": {
    "version": 0,
    "onceAuthorized": false
},
"collateralsPoolDetails": {
    "liabilityDto": {
        "version": 0,
        "liabilityCustomerLinkage": {
            "version": 0,
            "udfs": [],
            "misdetails": [],
            "keyId": "~GETM_LIAB_CUST-CUSTOMER_NO",
            "keyValue": "~GETM_LIAB_CUST-null~",
            "liabCustExposures": [],
            "liabTrackCodes": []
        },
        "keyId": "~GETM_LIAB-LIAB_NO~"
    },
    "ismergeOperation": "N",
    "version": 0
},
"tenorDetail": {
    "version": 0
},
"action": "INCREASE",
"customerNo": "0029702",
"utilAmt": 1,
"utilCcy": "USD",
"amtTag": "PRINCIPAL",
"source": "CDDA",
"lineCd": "LNFORD",
"lineSerial": 1,
"limitType": "F",
"blockRefNo": "10556970083326443531_EA_C",
"eventCode": "UTIL",
"eventsSlNo": 2,
"ismergeOperation": "N",
"onceAuthorized": false,
"defaultLiab": "D",
"txnPercent": 0,
"valueDateUtilizationDto": {
    "keyId":
"~GETB_VD_UTILS-FACILITY_ID-VALUE_DATE-USER_REFNO",

```

```

        "keyValue": "~GETB_VD_UTILS~null~null~null~"
      }
    }
  ],
  "FCUBS_WARNING_RESP": {
    "WARNING": [
      {
        "WCODE": "LM-00113",
        "WDESC": "Line 41-LNFORD1 - Amount exceeds line limit.
Limit = 1000 GBP. Utilization = 1603.0 GBP. Overdraft = 1404.0 GBP %Overdraft
= 140.4"
      }
    ]
  },
  "FCUBS_ERROR_RESP": {
    "ERROR": [
      {
        "ECODE": "EL-FCJ-110",
        "EDESC": "Block reference number does not exist for the
attached limit details"
      }
    ]
  },
  "MSGID": "22357040429106001254"
}

```

2.2.3 Query Utilization

This topic describes about the sample request and response for the consumer service **Query Utilization**.

Request and Response

SERVICE-CONSUMER = "OBCDDA"

SERVICE-CONSUMER-SERVICE="QueryUtilization"

Request

http://cnobfc-cluster-1-ms1.fsgbu-obcbcs-nonprod--obfc-devtestbank1:7501/
FCUBS-ELCMRest/ELUtilizationService/QueryUtilization/urefno/001TRU05

Response

```

{
  "Util-Master-Full": {
    "utilBrn": "001",
    "userRefno": "001TRU05",
    "authStat": "A",
    "versionNo": 1,
    "inputUserId": "ADMINUSER1",
    "inputDtStamp": "2022-02-26T05:17:00",
    "authId": "ADMINUSER1",
  }
}

```

```

"authDtStamp": "2022-02-26T05:17:00",
"keyId": "~GCTB_UTILS~USER_REFNO",
"keyValue": "~GCTB_UTILS~001TRU05~",
"action": "NEW",
"utilLogs": [
  {
    "utilHistory": {
      "version": 0
    },
    "valueDateUtilization": {
      "keyId":
"~GETB_VD_UTILS~FACILITY_ID~VALUE_DATE~USER_REFNO",
      "keyValue": "~GETB_VD_UTILS~null~null~null~"
    },
    "collateralsDetails": {
      "version": 0,
      "onceAuthorized": false
    },
    "collateralsPoolDetails": {
      "liabilityDto": {
        "version": 0,
        "liabilityCustomerLinkage": {
          "version": 0,
          "udfs": [],
          "misdetails": [],
          "keyId": "~GETM_LIAB_CUST~CUSTOMER_NO",
          "keyValue": "~GETM_LIAB_CUST~null~",
          "liabCustExposures": [],
          "liabTrackCodes": []
        },
        "keyId": "~GETM_LIAB~LIAB_NO~"
      },
      "ismergeOperation": "N",
      "version": 0
    },
    "tenorDetail": {
      "version": 0
    },
    "action": "NEW",
    "utilId": "00122057000000014",
    "customerNo": "001CUST01",
    "liabId": 82,
    "processNo": 1,
    "transDate": "2022-02-26T00:00:00",
    "utilAmt": 102000,
    "utilCcy": "USD",
    "utilBrn": "001",
    "utilPrd": "COUNTRY",
    "unColl": 0,
    "tenorBasis": "N",
    "tenor": 0,
    "maturedAmt": 0,
    "matured": "N",
    "amtTag": "BALANCE",
    "module": "GE",
    "valueDate": "2022-02-26T00:00:00",

```

```

        "source": "ELCM",
        "userRefNo": "001TRU05",
        "utilStat": "A",
        "authStat": "A",
        "versionNo": 1,
        "inputUserId": "ADMINUSER1",
        "inputDtStamp": "2022-02-26T05:17:00",
        "authId": "ADMINUSER1",
        "authDtStamp": "2022-02-26T05:17:00",
        "liabCcy": "USD",
        "liabBranch": "001",
        "liabUtil": 102000,
        "liabExchRate": 1,
        "liabNo": "001AUT01",
        "lineCd": "001TRF02",
        "lineSerial": 1,
        "isAccount": "N",
        "limitType": "F",
        "limitId": 13,
        "limitCcy": "USD",
        "limitUtil": 102000,
        "limitExchRate": 1,
        "limitCcyUncoll": 0,
        "limitCcyMatured": 0,
        "lineCode": "001TRF02",
        "ismergeOperation": "N",
        "userRefno": "001TRU05",
        "onceAuthorized": false,
        "txnPercent": 0,
        "valueDateUtilizationDto": {
            "keyId":
"~GETB_VD_UTILS~FACILITY_ID~VALUE_DATE~USER_REFNO",
            "keyValue": "~GETB_VD_UTILS~null~null~null~"
        }
    }
}
],
},
"FCUBS_WARNING_RESP": {
    "WARNING": [
        {
            "WCODE": "ST-SAVE-025",
            "WDESC": "Record Successfully Retrieved"
        }
    ]
},
"FCUBS_ERROR_RESP": {
    "ERROR": []
},
"MSGID": "23046054737455002224"
}

```

2.2.4 Get Valid Lines

This topic describes about the sample request and response for the consumer service **GetValidLines**.

Request and Response

SERVICE-CONSUMER = "ELCM"

SERVICE-CONSUMER-SERVICE="getValidLines"

Request

```
http://cnobfc-cluster-1-ms1.fsgbu-obcbcs-nonprod--obfc-devtestbank1:7501/
FCUBS-ELCMRest/ElValidLimitService/QueryValidLimit/ccustom/0029702/
limitType/F/defaultLiab/D
```

Response

```
{
  "Valid-Limit-Master-Full": {
    "maker": "SYSTEM",
    "makerstamp": "2022-12-13T13:08:37",
    "checker": "SYSTEM",
    "checkerstamp": "2022-12-13T13:08:37",
    "authstat": "A",
    "version": 0,
    "udfs": [],
    "misdetails": [],
    "customerNo": "0029702",
    "limitType": "F",
    "defaultLiab": "D",
    "keyId": "~GETM_VALID_LIMIT_MASTER~LIMIT_TYPE~DEFAULT_LIAB",
    "keyValue": "~GETM_VALID_LIMIT_MASTER~F~D~",
    "validFacilityDetailss": [
      {
        "availableAmount": 680,
        "blockAmount": 10,
        "effectiveLineAmount": 1000,
        "limitAmount": 1000,
        "limitAmountBasis": "L",
        "lineCode": "FFG",
        "lineCurrency": "GBP",
        "lineSerial": 1,
        "lineStartDate": "2021-03-17T00:00:00",
        "revolvingLine": "N",
        "utilisation": 310,
        "availabilityFlag": "Y",
        "userDefineStatus": "ACTIVE",
        "approvedAmt": 1000,
        "liabNo": "FORD",
        "version": 0,

```

```

    "keyId": "~GETM_VALID_FACILITY_DETAILS~ID",
    "keyValue": "~GETM_VALID_FACILITY_DETAILS~null~"
  },
  {
    "availableAmount": 10000,
    "blockAmount": 0,
    "effectiveLineAmount": 10000,
    "limitAmount": 10000,
    "limitAmountBasis": "L",
    "lineCode": "FORD_02",
    "lineCurrency": "GBP",
    "lineSerial": 1,
    "lineStartDate": "2021-03-06T00:00:00",
    "revolvingLine": "N",
    "utilisation": 0,
    "availabilityFlag": "Y",
    "userDefineStatus": "ACTIVE",
    "approvedAmt": 10000,
    "liabNo": "FORD",
    "version": 0,
    "keyId": "~GETM_VALID_FACILITY_DETAILS~ID",
    "keyValue": "~GETM_VALID_FACILITY_DETAILS~null~"
  },
  {
    "availableAmount": 600,
    "blockAmount": 400,
    "effectiveLineAmount": 1000,
    "limitAmount": 1000,
    "limitAmountBasis": "L",
    "lineCode": "LNFORD",
    "lineCurrency": "GBP",
    "lineSerial": 1,
    "lineStartDate": "2021-03-04T00:00:00",
    "revolvingLine": "N",
    "utilisation": 0,
    "availabilityFlag": "Y",
    "userDefineStatus": "ACTIVE",
    "approvedAmt": 1000,
    "liabNo": "FORD",
    "version": 0,
    "keyId": "~GETM_VALID_FACILITY_DETAILS~ID",
    "keyValue": "~GETM_VALID_FACILITY_DETAILS~null~"
  },
  {
    "availableAmount": 10000,
    "blockAmount": 0,
    "effectiveLineAmount": 10000,
    "limitAmount": 10000,
    "limitAmountBasis": "L",
    "lineCode": "FORD_01",
    "lineCurrency": "GBP",
    "lineSerial": 1,
    "lineStartDate": "2021-03-04T00:00:00",
    "revolvingLine": "N",
    "utilisation": 0,
    "availabilityFlag": "Y",

```

```

        "userDefineStatus": "ACTIVE",
        "approvedAmt": 10000,
        "liabNo": "FORD",
        "version": 0,
        "keyId": "~GETM_VALID_FACILITY_DETAILS~ID",
        "keyValue": "~GETM_VALID_FACILITY_DETAILS~null~"
    }
},
"validObligationDetailss": [],
"validPoolDetailss": [],
"validCollateralDetailss": [],
"validCovenantDetailss": [],
"validLiabilityDetailss": [
    {
        "availableAmount": 999998659,
        "liabBranch": "B01",
        "liabCcy": "USD",
        "liabNo": "FORD",
        "lid": 41,
        "overallLimit": 999999999,
        "utilAmt": 520,
        "liabName": "FORD",
        "version": 0,
        "keyId": "~GETM_VALID_LIABILITY_DETAILS~ID",
        "keyValue": "~GETM_VALID_LIABILITY_DETAILS~null~"
    }
]
},
"FCUBS_WARNING_RESP": {
    "WARNING": [
        {
            "WCODE": "ST-SAVE-025",
            "WDESC": "Record Successfully Retrieved"
        }
    ]
},
"FCUBS_ERROR_RESP": {
    "ERROR": []
},
"MSGID": "22347010836889001221"
}

```

3

Maintenance for Oracle Banking Accounts

User needs to perform the maintenance in the Oracle Banking Accounts for a particular source system (OBTLR) to create source code.

This topic contains the following sub-topics:

- [Create Upload Source](#)
You need to perform the upload source maintenance in the Oracle Banking Accounts for the source system (OBTLR).
- [Configure Source Code](#)
You need to perform the source code configuration in the Oracle Banking Accounts for the source system (OBTLR).
- [Create Upload Source Preference](#)
User needs to maintain the upload source preferences in the Oracle Banking Accounts for the source system (OBTLR).
- [Configure Oracle Banking Routing Hub \(Teller\)](#)
User needs to enable the **isSingleTenant** flag in Oracle Banking Routing Hub to enable Single Tenant services in the environment.
- [Integration of Oracle Banking Payments](#)
This topic provides the information about the integration of the Oracle Banking Payments.

3.1 Create Upload Source

You need to perform the upload source maintenance in the Oracle Banking Accounts for the source system (OBTLR).

To maintain the upload source code:

1. On the **Home** screen, click **Core Maintenance**.
2. Under **Core Maintenance**, click **Upload Source**, and then select **Create Upload Source** or specify **Create Upload Source** in the search bar and select the screen.

The **Create Upload Source** screen is displayed.

Figure 3-1 Create Upload Source

3. On the **Create Upload Source** screen, specify the details. For information on the fields, refer to the *Common Core User Guide* in the Oracle Banking Accounts documentation library.

3.2 Configure Source Code

You need to perform the source code configuration in the Oracle Banking Accounts for the source system (OBTLR).

To configure source code:

Log in to Oracle Banking Accounts **Home** screen. For information on how to log in, refer to the *Getting Started User Guide* in the Oracle Banking Accounts documentation Library.

1. On the **Home** screen, click **Account Configurations**.
2. Under **Account Configurations**, click **Source Code**, and then select **Configure**.

The **Configure** screen is displayed.

Figure 3-2 Configure

3. On the **Create Upload Source** screen, specify the details. For information on the fields, refer to the *Account Configuration User Guide* in the Oracle Banking Accounts documentation library.

3.3 Create Upload Source Preference

User needs to maintain the upload source preferences in the Oracle Banking Accounts for the source system (OBTLR).

To maintain the upload source preference:

1. On the **Home** screen, click **Core Maintenance**.
2. Under **Core Maintenance**, click **Upload Source Preferences**, and then select **Create Upload Source Preference** or specify **Create Upload Source Preference** in the search icon bar and select the screen.

The **Create Upload Source Preference** screen is displayed.

Figure 3-3 Create Upload Source Preference

Create Upload Source Preference

Source code Required

Error Handling

On Error On Override On Repairable Exception On Queue Exception

Post Upload

Status Purge Days Allow Deferred Processing ☐ Allow EOD with Deferred ☐

Deletion Allowed ☐ Reverse Allowed ☐ Amend Allowed ☐ Proceed with EOD ☐

3. On the **Create Upload Source** screen, specify the details. For information on the fields, refer to the *Common Core User Guide* in the Oracle Banking Accounts documentation library.

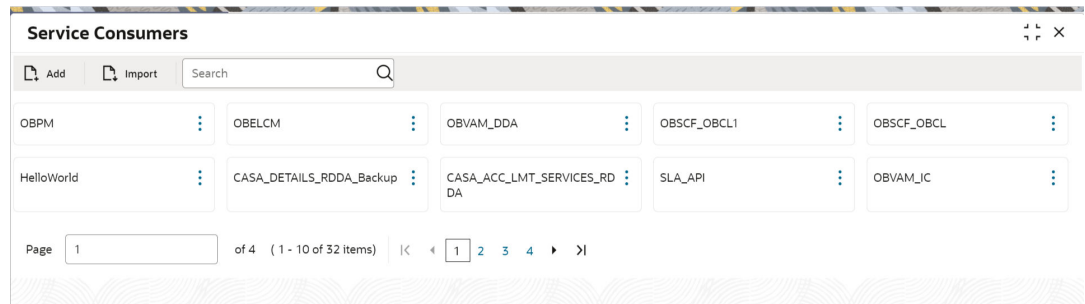
3.4 Configure Oracle Banking Routing Hub (Teller)

User needs to enable the **isSingleTenant** flag in Oracle Banking Routing Hub to enable Single Tenant services in the environment.

To configure Oracle Banking Routing Hub:

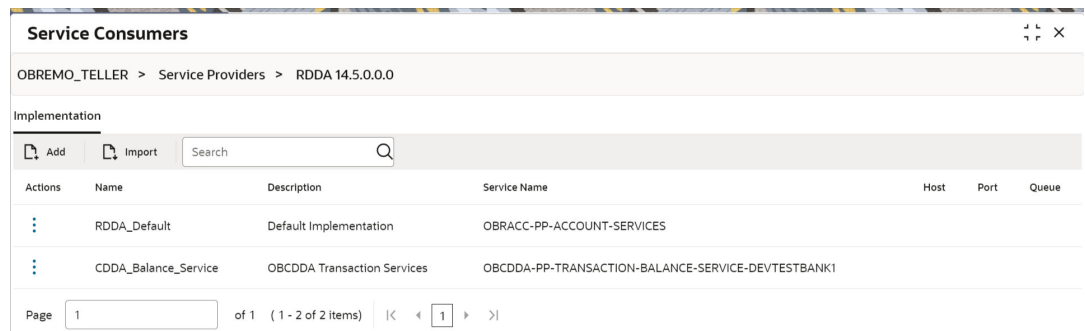
1. On the **Home** screen, click **Core Maintenance**.
2. Under **Core Maintenance**, click **Routing Hub**, and then select **Service Consumers** or specify **Service Consumers** in the search bar and select the screen.

The **Service Consumers** screen is displayed.

Figure 3-4 Service Consumers

3. On the **Service Consumers** screen, search **OBREMO_TELLER** in the search box.
4. Click **OBREMO_TELLER**.
5. On the **OBREMO_TELLER** screen, search **RDDA** in the search box.
6. Click **RDDA**.

The **Implementation** screen is displayed.

Figure 3-5 Service Consumers - RDDA Implementation

7. Select **CDDA_Balance_Service** and click **Edit**.

The **Edit Implementation** pop-up screen is displayed.

Figure 3-6 Service Consumers - Edit Implementation

Edit Implementation [X]

Name
CDDA_Balance_Service

Description
OBCDDA Transaction Services

Type
DEFAULT

Default
☐

Eureka Instance
☒

Single Tenant
☒

Scheme
http

Service Name
OBCDDA-PP-TRANSACTION-BALANCE-SERVICE -DEVTESTBANK1

> Headers

▼ Service

Type	URL	Import
WSDL		Import

Required

Service	Operation
/obcdda-pp-transaction-balance-service/query/accountin...	getEATransactions
/obcdda-pp-transaction-balance-service/l2cache/mainte...	loadAllTransactionCodes
/obcdda-pp-transaction-balance-service/transaction/acc...	authorizeAccounting

Save

8. Enable **Single Tenant** option and click **Save**.

3.5 Integration of Oracle Banking Payments

This topic provides the information about the integration of the Oracle Banking Payments.

- [Oracle Banking Routing Hub Configuration](#)
User can manage the routing setup for **OBORN-OBPM** transactions in the **Oracle Banking Routing Hub** to handle integrated payment transactions.
- [Maintenance for Oracle Banking Payments](#)
The maintenances required to integrate Oracle Banking Branch with Oracle Banking Payments are explained in this topic.

3.5.1 Oracle Banking Routing Hub Configuration

User can manage the routing setup for **OBBRN-OBPM** transactions in the **Oracle Banking Routing Hub** to handle integrated payment transactions.

The user should construct the host name according to the template below:

Host Name: obpm-apigateway-router.fsgbu-obcbcs-<environment>—obfc-<account name>

Port: 8080

The app-shell URL provides the values for the environment and account name as set up as follow:

https://<account name>.obcs.ocs.oc-test.com/<environment>/app-shell/.

The environment value mapping from URL to OBRH Integration configuration is as follows:

Table 3-1 Environment Value Mapping

Environment	URL Value	OBRH Configuration Value
Premium Non Production	non-prod	nonprod
Premium Pre-Production	pre-prod	preprod
Premium Production	prod	prod
Partner	partner	partner
Standard Non Production	non-prod-std	nonprod-std
Standard Pre-Production	pre-prod-std	preprod-std
Standard Production	prod-std	prod-std

For example,

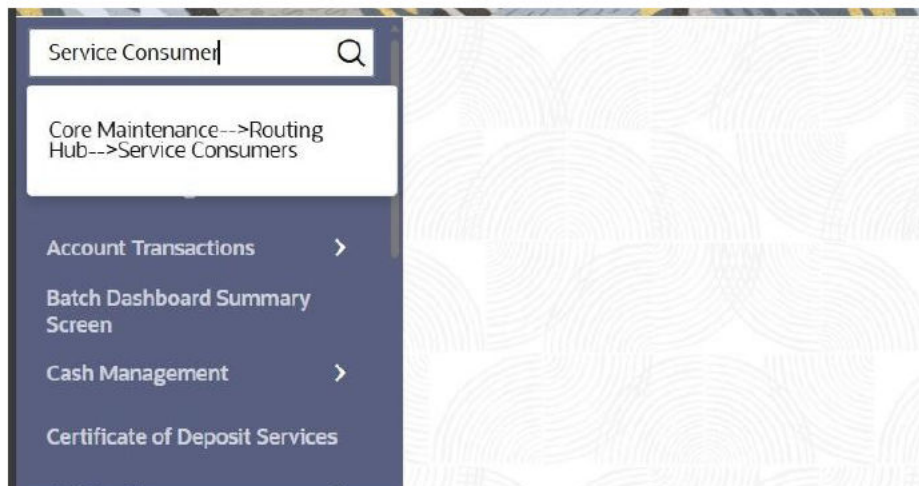
Table 3-2 Example - Integration Configuration

Account Name	Environment Provisioned	OBRH Integration Host Name
demobank1	Standard - Non Production	obpm-apigateway-router.fsgbu-obcbcs-nonprod-std—obfc-demobank1
demobank1	Standard - Production	obpm-apigateway-router.fsgbu-obcbcs-prod-std—obfcdemobank1
demopartner	Partner	obpm-apigateway-router.fsgbu-obcbcs-partner—obfcdemopartner

Note: Port will be 8080, that is common for all the environment.

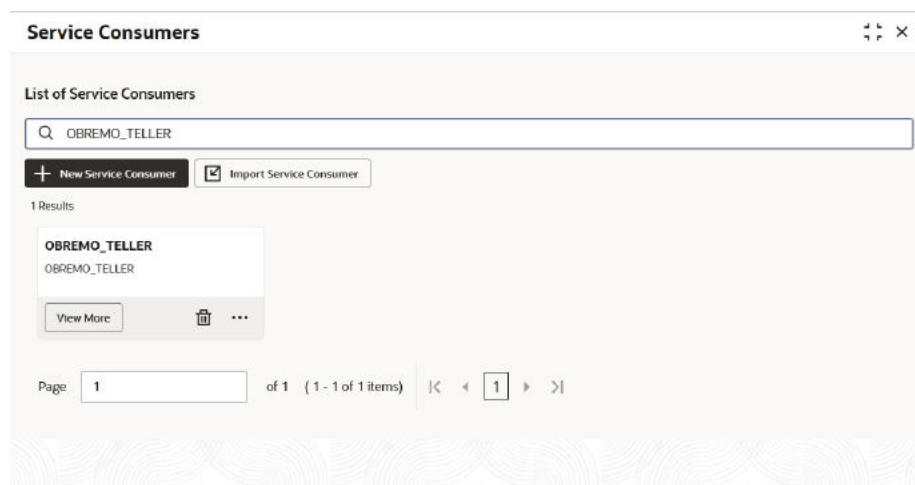
Follow the steps below, for editing the implementations:

1. From the **Menu** screen, under **Core Maintenance**, search **Service Consumers**.
The **Service Consumers** screen is displayed.

Figure 3-7 Service Consumers - Search

2. From the **List of Service Consumers** field, search **OBREMO_TELLER** and click **View More**.

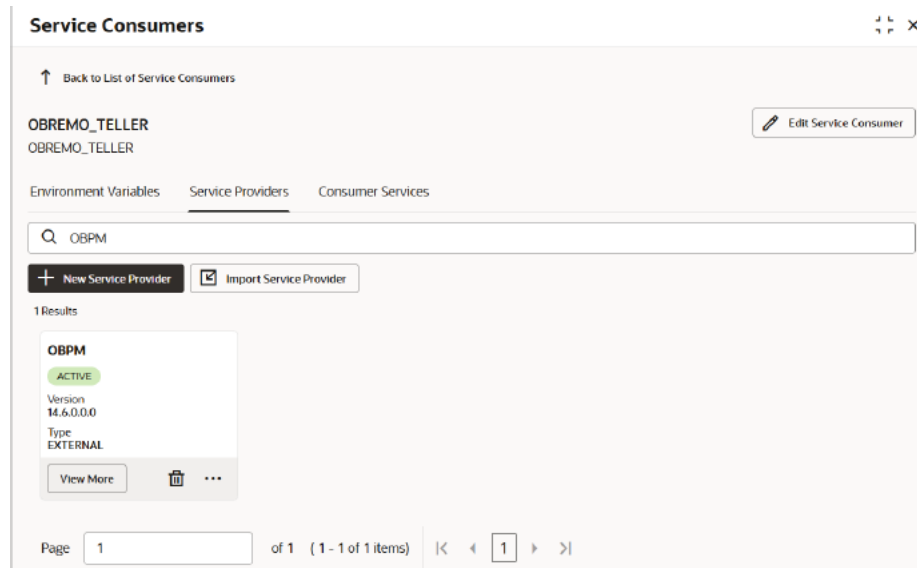
The search result is displayed.

Figure 3-8 Service Consumers

3. Navigate to the **Service Provides** tab, search for **OBPM**, and click **View More**.

The details are displayed.

Figure 3-9 Service Providers tab



- From the **Actions** field, click the **Edit** icon.

Figure 3-10 Implementations



- Include the host and port for the OBPM service as per the template shared below and update the formed host and port in the respective fields.

Note

Template: obpm-apigateway-router.fsgbu-obcbcs-<environment>—obfc-<account name> Port: 8080

Figure 3-11 Implementation Details

The screenshot shows the Oracle Service Consumers interface. On the left, the 'Service Consumers' section displays 'OSPM' with status 'ACTIVE', version '14.6.0.0.0', and type 'EXTERNAL'. Below this is a table of implementations with one entry: 'OSPM_Default' with description 'Default Implementation' and host 'obpm-apig'. On the right, the 'Edit Implementation' dialog is open, showing the 'Implementation Details (1/4)' tab. Fields include: Implementation Name (OSPM_Default), Implementation Description (Default Implementation), Implementation Type (Default), Scheme (http), Host (obpm-apigateway.router.hqbus.ob), Port (8080), and Service Name. A checkbox for 'Use WSDL details (scheme, host and port) for SOAP service invocation' is present. A 'Next Step' button is at the bottom right.

- Click **Next Step**, until the user sees the **Save** button.
The **Edit Implementation** section is displayed.

Figure 3-12 Edit Implementation

The screenshot shows the Oracle Service Consumers interface. On the left, the 'Service Consumers' section displays 'OSPM' with status 'ACTIVE', version '14.6.0.0.0', and type 'EXTERNAL'. Below this is a table of implementations with one entry: 'OSPM_Default' with description 'Default Implementation' and host 'obpm-apig'. On the right, the 'Edit Implementation' dialog is open, showing the 'Services (4/4)' tab. Fields include: Type (WSDL), URL, Context Path, and WSDL Access Headers. There is a 'Save' button at the bottom right.

- Click **Save**.

3.5.2 Maintenance for Oracle Banking Payments

The maintenances required to integrate Oracle Banking Branch with Oracle Banking Payments are explained in this topic.

Prerequisites are as follows:

- Open the login page of Oracle Banking Payments.
- Specify **Username** and **Password**, and log in to Oracle Banking Payments **Home** screen.

This topic contains the following sub-topics:

- [Maintain Source Details and Source Network Preferences](#)
Users must maintain the source information and network preferences to connect Oracle Banking Branch with Oracle Banking Payments.
- [Maintain External Notification and Queue Connection Profile](#)
Users must maintain the details of the external notification queue and the queue connection profile for callback setup in Oracle Banking Payments.

3.5.2.1 Maintain Source Details and Source Network Preferences

Users must maintain the source information and network preferences to connect Oracle Banking Branch with Oracle Banking Payments.

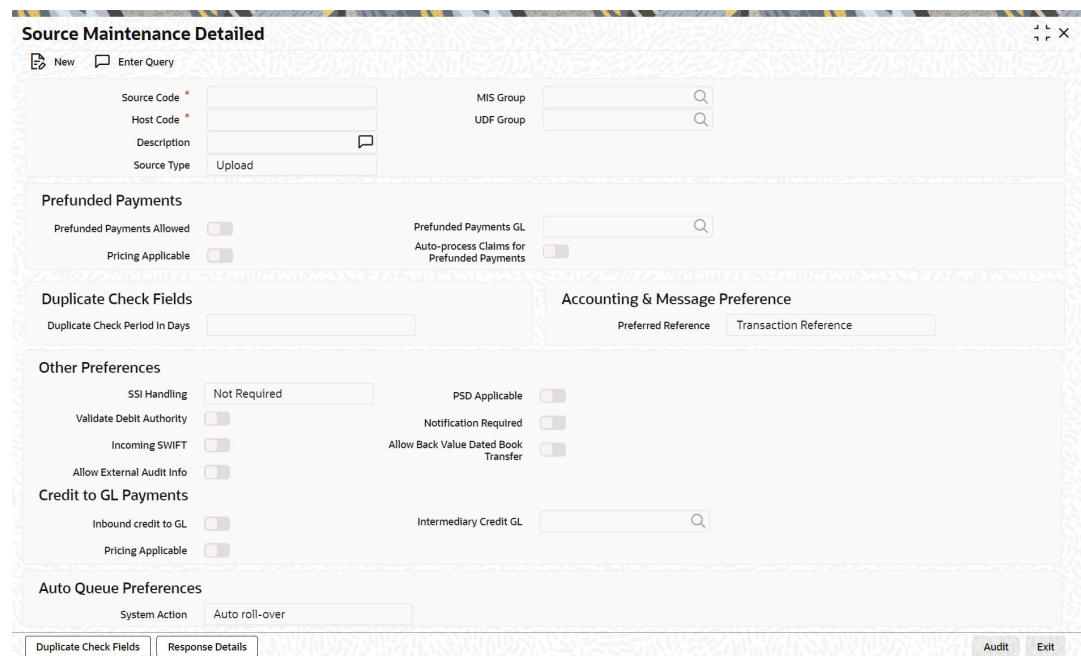
Maintain source details and source network preferences as follows:

1. On the **Home** screen, specify **PMDSORCE** in the text box, and click the next arrow.
The **Source Maintenance Detailed** screen is displayed.
2. On the **Source Maintenance Detailed** screen, specify the details.

Note

For information on the fields, refer to the *Payments Core User Guide* in the Oracle Banking Payments documentation library.

Figure 3-13 Source Maintenance Detailed



Source Maintenance Detailed

New Enter Query

Source Code * Host Code * Description Source Type Upload

MIS Group UDF Group

Prefunded Payments

Prefunded Payments Allowed Pricing Applicable

Prefunded Payments GL Auto-process Claims for Prefunded Payments

Duplicate Check Fields

Duplicate Check Period in Days

Accounting & Message Preference

Preferred Reference Transaction Reference

Other Preferences

SSI Handling Not Required

Validate Debit Authority Incoming SWIFT Allow External Audit Info

PSD Applicable Notification Required Allow Back Value Dated Book Transfer

Credit to GL Payments

Inbound credit to GL Pricing Applicable

Intermediary Credit GL

Auto Queue Preferences

System Action Auto roll-over

Duplicate Check Fields Response Details Audit Exit

3. On the **Home** screen, specify **PMDSORNW** in the text box, and click the next arrow.
The **Source Network Preferences Detailed** screen is displayed.
4. On the **Source Network Preferences Detailed** screen, specify the details.

Note

For information on the fields, refer to the *Payments Core User Guide* in the Oracle Banking Payments documentation library.

Figure 3-14 Source Network Preferences Detailed

Source Network Preferences Detailed

New Enter Query

Host Code * Source Code * Network Code * Transaction Type * Incoming

Description Network Description Network Type Description

Preferences

Authorization Rekey Required ☐ MIS Group UDF Group

Sanctions System

Sanction Check Required ☐

Pricing

External Pricing Applicable ☐

Accounting Preference

Debit Entry on On Activation Date

Same Day Transaction Rollover Preference

Amount Block on Booking Date ☐

Authorization Limit

Authorization Limit Currency Authorization 1 Limit Authorization 2 Limit Network Release Limit

Credit Entry on On Activation Date

Future Valued Transaction Preferences

Validation on Booking Date Required

Authorization Rekey Fields

Rekey Field Name Description

No data to display.

Page 1 (0 of 0 items) < 1 >

Audit Exit

3.5.2.2 Maintain External Notification and Queue Connection Profile

Users must maintain the details of the external notification queue and the queue connection profile for callback setup in Oracle Banking Payments.

Once the Oracle Banking Branch transfers the transactions to Oracle Banking Payments for processing, Oracle Banking Payments will send a notification back to the Oracle Banking Branch according to the configurations listed in this topic.

To maintain external notification and queue connection profile:

1. On the **Home** screen, specify **PMDEXTNT** in the text box, and click the next arrow.
The **External Notification Queue Detailed** screen is displayed.

Figure 3-15 External Notification Queue Detailed

External Notification Queue Detailed

New Enter Query

Host Code * Source Code * Notification System Class

Communication Type JMS Queue Timeout in Seconds

JMS Preferences

Outqueue JNDI Name Queue Profile

WebService Preferences

WebService URL Service

ReST Preferences

Header Profile ReST URL

Audit Exit

2. On the **External Notification Queue Detailed** screen, specify the details.

For information on the fields, refer to the *Payments Core User Guide* in the Oracle Banking Payments documentation library.

3. On the **Home** screen, specify **PMDQPROF** in the text box, and click the next arrow.
The **Queue Connection Profile Maintenance Detailed** screen is displayed.

Figure 3-16 Queue Connection Profile Maintenance Detailed

Queue Connection Profile Maintenance Detailed

New Enter Query

Profile ID *
Profile Description
User ID
Password
Context Provider URL
Initial Context Factory Class
Queue Factory JNDI

Queue Authentication Required

Audit Exit

Note

The **Profile ID** shown in the figure should be maintained as the Oracle Banking Branch User ID for that branch.

4. On the **Queue Connection Profile Maintenance Detailed** screen, specify the details.
The **Profile ID** will be included as the **User ID** in the request header for the callback from Oracle Banking Payments to Oracle Banking Branch.
For information on the fields, refer to the *Payments Core User Guide* in the Oracle Banking Payments documentation library.

4

Known Issues and Resolutions

This topic provides the troubleshooting for the deployment failure in the services.

For requests identified as timeout:

1. Search the corresponding consumer from the **Request Audit** menu.

Figure 4-1 Request Audit

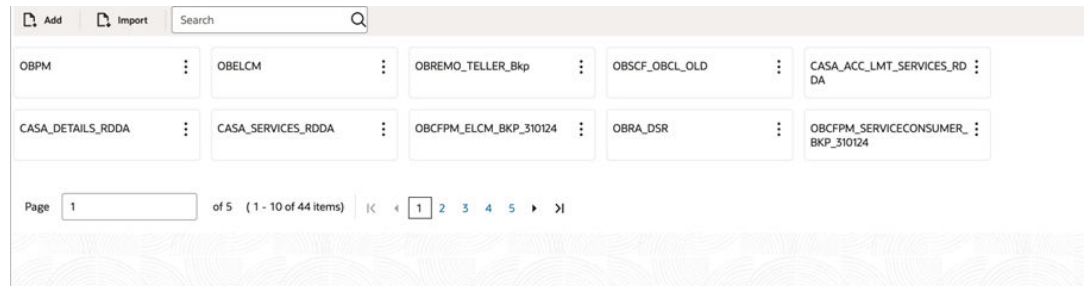


The screenshot shows the 'Request Audit' window with search filters and a table of request details.

Request Id	Consumer	Consumer Service	Provider	Provider Implementation	Provider Service	Transformation	Route	Status	User Id
SdXluKbzZz1T...	OBRA_DSR	InquireBalancesDSR...	RDDA_obrdep...	RDDA_obrdep-txn-pp-onlin...	obrdep-txn-pp-on...	InquireBalances...	InquireBalanc...	SUCCESS	KKANIGAL5
E4GPbz5gZz1...	OBRA_DSR	InquireBalancesDSR...	RDDA_obrdep...	RDDA_obrdep-txn-pp-onlin...	obrdep-txn-pp-on...	InquireBalances...	InquireBalanc...	SUCCESS	KKANIGAL5
YUb35SWQgZz...	OBRA_DSR	InquireBalancesDSR...	RDDA_obrdep...	RDDA_obrdep-txn-pp-onlin...	obrdep-txn-pp-on...	InquireBalances...	InquireBalanc...	SUCCESS	KKANIGAL5

2. From the **Service Consumers** menu, search **OBRA_DSR**, and select the option.

Figure 4-2 Search Request

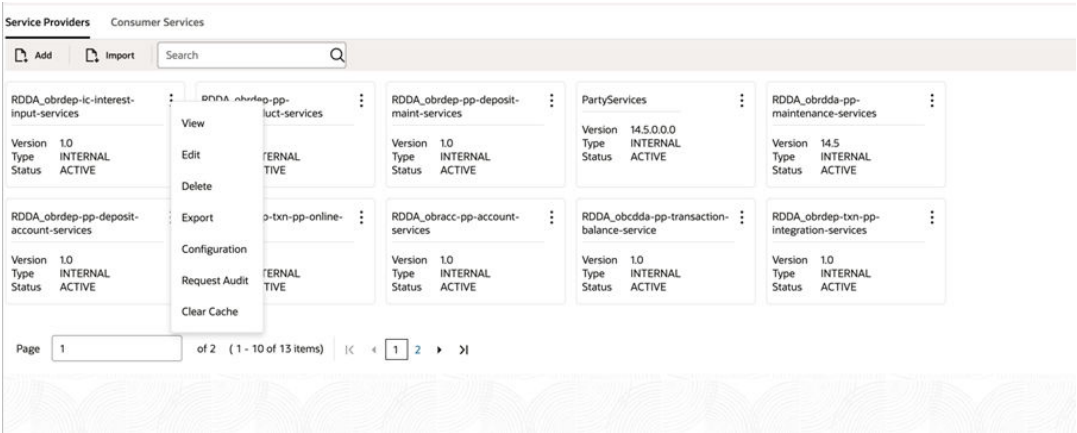


The screenshot shows the 'Search Request' interface with a list of search results.

OBPM	OBELCM	OBREMO_TELLER_Bkp	OBSCF_OBCL_OLD	CASA_ACC_LMT_SERVICES_RD
CASA_DETAILS_RDDA	CASA_SERVICES_RDDA	OBCFPM_ELCM_BKP_310124	OBRA_DSR	OBCFPM_SERVICECONSUMER_

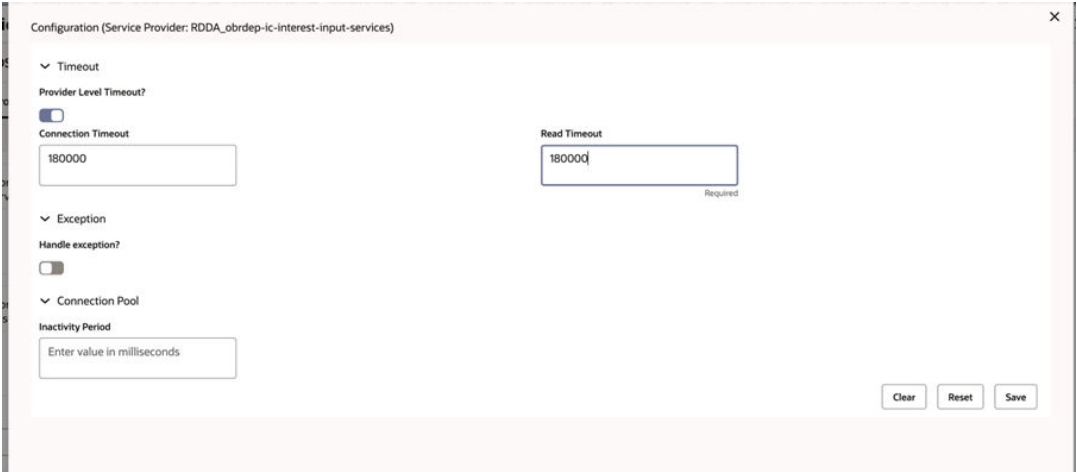
3. In the **Service Providers** tab, click  , and select **Configuration**.

Figure 4-3 Service Providers tab



- 4. From the **Provider Level Timeout** field, switch the toggle to **ON**.
- 5. In the **Connection Timeout** and **Read Timeout** fields, specify the value as **180000**.

Figure 4-4 Configure



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