Integration Requirement Specification Document

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| Author | Nguyen Dinh Khoa |
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**Change Record**

|  |  |  |  |
| --- | --- | --- | --- |
| Date | Name | Version | Change Reference |
| 21/11/2018 | khoand | 1.0 | New create |
| 20/12/2018 | Khoand | 1.1 | Edit GetOverdraftDetailById Service remove secured account infor ,edit SAVINGS |
|  |  |  |  |

**Reviewers**

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# Document Overview

## Document Purpose

*Provide a high level overview of project*.

## Reference Document

|  |  |  |  |
| --- | --- | --- | --- |
| Reference Document | Attachment | Version | Description |
| BRD | Lend005\_Overdraft Detail.docx |  |  |
|  |  |  |  |
|  |  |  |  |

## Definitions and Acronyms

|  |  |
| --- | --- |
| Term / Acronym | Description / Definition |
| BRD |  |
|  |  |

# 1. API List

New integration services description table for epic requirement

|  |  |  |
| --- | --- | --- |
| **No.** | **Integration Requirement** | **Existing/Modify/New** |
|  | GetOverdraftDetailById Service  /cb/odata/services/overdraftservice/GetOverdraftDetailById(ACCOUNT\_NUMBER) | **New** |

Note:

Some Fields whose value = "O" (Optional) are default fields of OCB core and up to now they have been used for these services, so description columns are blank.

Row have Algae Green color : this row edit , have field but not value.

Row have Yellow color : this row added .

## GetOverdraftDetailById Service

### Description

1. Get overdraft detail by ACCOUNT\_NUMBER
2. Endpoint: /cb/odata/services/overdraftservice/GetOverdraftDetailById(ACCOUNT\_NUMBER)
3. Http Method: GET
4. channelType: Mobile
5. Accept: application/json
6. Request sample: /cb/odata/services/overdraftservice/GetOverdraftDetailById('ZW5jezcxYTZlZjZjN2JkNDY2YzNhMDY4ZWI5NDg4MzAwMTgxfQ')
7. Responses sample:

{

"d": {

"\_\_metadata": {

"id": "https://s149.online.vpbank.com.vn:8080/bc/odata/services/overdraftservice/Overdrafts('2148')",

"uri": "https://s149.online.vpbank.com.vn:8080/bc/odata/services/overdraftservice/Overdrafts('2148')",

"type": "com.sap.banking.custom.overdraft.endpoint.v1\_0.beans.Overdraft"

},

"Id": "2148",

"Directory\_Id": 4190,

"Cust\_Qualify\_Id": 0,

"Overdraft\_Type": "OPEN",

"Overdraft\_Ref": "50154277099124900",

"Overdraft\_Product": "2",

"Overdraft\_Code": "2",

"Overdraft\_Term": "2",

"Address": "TAN MY LANG SON YEN DUNG",

"Mobile\_Phone": "01663058826",

"Overdraft\_Limit": "10000000",

"Overdraft\_Rate": "7.5",

"Overdraft\_Purpose": "PC",

"Overdraft\_Fee": null,

"Overdraft\_Account": "105305068",

"Introducer\_Dao": "2111",

"Introducer\_Name": "PHAM VIET CUONG",

"Created\_Date": "/Date(1542733200000)/",

"Effective\_Date": "/Date(1522688400000)/",

"Expiry\_Date": "/Date(1528045200000)/",

"Status": 3,

"Settle\_Date": null,

"Global\_Limit": null,

"Product\_Limit": null,

"Document\_Status": null,

"PayrollAccount": null,

"Type\_Detail": "OPEN",

"Collateral": null,

"Collateral\_Right": null,

"Branch\_Account": "VN0010179",

"ONLINESAVING": null,

"TNC": null,

"AGREEMENT": null,

"CONTRACT": null,

"OVERDRAFT\_RATE\_GAP": null,

"TERM\_SECURE\_OVERDRAFT\_REQUESTED": null,

"TERM\_SECURE\_OVERDRAFT": null,

"SECURE\_OVERDRAFT\_LIMIT\_BASED\_ON\_PERC": null,

"CUSTOMER\_NAME": "VPBANK4190",

"CUSTOMER\_CARD\_NO": null,

"MIN\_LIMIT": null,

"MAX\_LIMIT": null,

"WORKINGBALANCE": null,

"INTEREST": null,

"BLOCKEDAMOUNT": null,

"BRANCHNO": null,

"OUTSTANDINGAMOUNT": null,

"CURRENTACCOUNT": null,

"CUSTOMERCIF": "2989150",

"BLOCKEDINTEREST": null,

"PRINCIPLEPERCENTAGE": null,

"PRODUCTNAME": "Overdraft secured by Online Savings",

"STATUSDESC": "Successful",

"COLLATERAL\_LINKED\_MAX": null,

"ONLINESAVINGLOCKID": null,

"BRANCHNAME": "VPBank Ngô Gia Tự",

"OLDSTATUS": null,

"OLDDOCUMENTSTATUS": null,

"OLDLIMIT": null,

"UPDATE\_OVERDRAFT\_LIMIT": null,

"OVERDRAFT\_TYPE\_NAME": null,

"OVERDRAFT\_TYPE": null,

"SETTLE\_OVERDRAFT\_ACCOUNT": null,

"ACCOUNT\_DISPLAY\_TEXT": null,

"LIMITMAX": null,

"FEE\_AMOUNT": null,

"FEE\_CODE": null,

"FEE\_CAT": null,

"FEE\_TYPE": null,

"FEE\_VAT": null,

"TERM\_OD": null,

"OVERDUEDEBT": null,

"AMOUNT\_PAYMENT": null,

"MIN\_PAYMENT\_AMOUNT": null,

"MIN\_PAYMENT\_PERIOD": null,

"SECURED": null,

"Action": null,

"SAVINGS": "[{\"Amount\":\"15000000\",\"Term\":\"6\",\"MaturityDate\":\"04\\/11\\/2018\",\"InterestRate\":\"0.1\",\"Number\":\"139414373\",\"Type\":\"NormalSaving\"}]",

"INTONTERMDEPOSITS": null,

"OVERDRAFTTYPE": null,

"FORMOFLOAN": null,

"EMAIL\_ADDRESS": null,

"LOAN\_MARGIN": null,

"LOAN\_METHOD": null,

"PAYMENT\_METHOD": null,

"PAYMENT\_DAY": null,

"CURRENT\_INCOME": null,

"CONTACT\_NAME\_1": null,

"CONTACT\_PHONE\_1": null,

"CONTACT\_NAME\_2": null,

"CONTACT\_PHONE\_2": null,

"EQUITY\_TOTAL": null,

"EQUITY\_OWNER": null,

"EQUITY\_PURPOSE": null,

"INSURANCE\_AMOUNT": null,

"INSURANCE\_FEE": null,

"INSURANCE\_LIMIT": null,

"HEALTH\_CONDITION": null,

"SEX": null,

"PAYMENT\_SOURCE": null,

"ANNUITY\_AMOUNT": null,

"DISBURSEMENT\_AMOUNT": null,

"ERROR\_CODE": null,

“AVAILABLE\_AMOUNT”:”9000000”,

"NEXTINTERESTPAYMENTDATE": "07/05/2019",

"INTERESTFORTHISPERIOD": ”900000”,

"PRINCIPALFORTHISPERIOD": ”900000

}

}

### Business rules

* 1. Only customer who has effective overdraft limit can inquiry detail information about overdraft limit.
  2. There is one way to enquiry overdraft detail: Account-> Manage-> Overdraft

### Integration Specification

**Request message**

| **No.** | **NAME** | **TYPE** | **REQ** | **DESCRIPTION** | **REMARKS** |
| --- | --- | --- | --- | --- | --- |
|  | ACCOUNT\_NUMBER | String |  | Unique identifier (per bank) for the customers account. (Hashed) | "ZW5jezcxYTZlZjZjN2JkNDY2YzNhMDY4ZWI5NDg4MzAwMTgxfQ" |

**Response message**

| **No.** |  | **TYPE** | **REQ** | **DESCRIPTION** | **REMARKS** |
| --- | --- | --- | --- | --- | --- |
|  | Id | String |  | Unique identifier of overdraft | ”2148” |
|  | Directory\_Id | String |  | Direction Id | ”4190” |
|  | Cust\_Qualify\_Id | String |  |  | ”0” |
|  | Overdraft\_Type | String |  | Overdraft Type | ”OPEN” |
|  | Overdraft\_Ref | String |  | Overdraft Reference | ”50154277099124900” |
|  | Overdraft\_Product | String |  | Overdraft Product | ”2” |
|  | Overdraft\_Code | String |  | Overdraft code | ”2” |
|  | Overdraft\_Term | String |  | Overdraft Term | ”2” |
|  | Address | String |  | Address | ”TAN MY LANG SON YEN DUNG” |
|  | Mobile\_Phone | String |  | Mobile | ”1663058826” |
|  | Overdraft\_Limit | String |  | Overdraft Limit | ”10000000” |
|  | Overdraft\_Rate | String |  | Overdraft rate | ”7,5” |
|  | Overdraft\_Purpose | String |  | Overdraft Purpose | ”PC” |
|  | Overdraft\_Fee | String |  |  |  |
|  | Overdraft\_Account | String |  | Overdraft Account | ”105305068” |
|  | Introducer\_Dao | String |  | Introducer account | ”2111” |
|  | Introducer\_Name | String |  | Introducer name | ”PHAM VIET CUONG'” |
|  | Created\_Date | String |  | Create date timestamp | ”/Date(1542733200000)/” |
|  | Effective\_Date | String |  | Effective date timestamp, | ”/Date(1522688400000)/” |
|  | Expiry\_Date | String |  | Expiry date timestamp, this is Maturity Date | ”/Date(1528045200000)/” |
|  | Status | String |  | Status : 3 success, 4 fail, 2 pending | ”3” |
|  | Settle\_Date | String |  |  |  |
|  | Global\_Limit | String |  |  |  |
|  | Product\_Limit | String |  |  |  |
|  | Document\_Status | String |  |  |  |
|  | PayrollAccount | String |  |  |  |
|  | Type\_Detail | String |  | Type detail | ”OPEN” |
|  | Collateral | String |  |  |  |
|  | Collateral\_Right | String |  |  |  |
|  | Branch\_Account | String |  | Branch account | ”VN0010179” |
|  | ONLINESAVING | String |  |  |  |
|  | TNC | String |  |  |  |
|  | AGREEMENT | String |  |  |  |
|  | CONTRACT | String |  |  |  |
|  | OVERDRAFT\_RATE\_GAP | String |  |  |  |
|  | TERM\_SECURE\_OVERDRAFT\_REQUESTED | String |  |  |  |
|  | TERM\_SECURE\_OVERDRAFT | String |  |  |  |
|  | SECURE\_OVERDRAFT\_LIMIT\_BASED\_ON\_PERC | String |  |  |  |
|  | CUSTOMER\_NAME | String |  | Customer name | ”VPBANK4190” |
|  | CUSTOMER\_CARD\_NO | String |  |  |  |
|  | MIN\_LIMIT | String |  |  |  |
|  | MAX\_LIMIT | String |  |  |  |
|  | WORKINGBALANCE | String |  |  |  |
|  | INTEREST | String |  |  |  |
|  | BLOCKEDAMOUNT | String |  |  |  |
|  | BRANCHNO | String |  |  |  |
|  | OUTSTANDINGAMOUNT | String |  |  |  |
|  | CURRENTACCOUNT | String |  |  |  |
|  | CUSTOMERCIF | String |  | Customer cif | ”2989150” |
|  | BLOCKEDINTEREST | String |  |  |  |
|  | PRINCIPLEPERCENTAGE | String |  |  |  |
|  | PRODUCTNAME | String |  | Product name | ”Overdraft secured by Online Savings” |
|  | STATUSDESC | String |  | Status description | ”Successful” |
|  | COLLATERAL\_LINKED\_MAX | String |  |  |  |
|  | ONLINESAVINGLOCKID | String |  |  |  |
|  | BRANCHNAME | String |  | Branch name | ”VPBank NgÃ´ Gia Tá»±” |
|  | OLDSTATUS | String |  |  |  |
|  | OLDDOCUMENTSTATUS | String |  |  |  |
|  | OLDLIMIT | String |  |  |  |
|  | UPDATE\_OVERDRAFT\_LIMIT | String |  |  |  |
|  | OVERDRAFT\_TYPE\_NAME | String |  |  |  |
|  | OVERDRAFT\_TYPE | String |  |  |  |
|  | SETTLE\_OVERDRAFT\_ACCOUNT | String |  |  |  |
|  | ACCOUNT\_DISPLAY\_TEXT | String |  |  |  |
|  | LIMITMAX | String |  |  |  |
|  | FEE\_AMOUNT | String |  |  |  |
|  | FEE\_CODE | String |  |  |  |
|  | FEE\_CAT | String |  |  |  |
|  | FEE\_TYPE | String |  |  |  |
|  | FEE\_VAT | String |  |  |  |
|  | TERM\_OD | String |  |  |  |
|  | OVERDUEDEBT | String |  |  |  |
|  | AMOUNT\_PAYMENT | String |  |  |  |
|  | MIN\_PAYMENT\_AMOUNT | String |  |  |  |
|  | MIN\_PAYMENT\_PERIOD | String |  |  |  |
|  | SECURED | String |  |  |  |
|  | Action | String |  |  |  |
|  | SAVINGS | String |  | Info account online saving used to seured. | "[{\"Amount\":\"15000000\",\"Term\":\"6\",\"MaturityDate\":\"04\\/11\\/2018\",\"InterestRate\":\"0.1\",\"Number\":\"139414373\",\"Type\":\"NormalSaving\"}]" |
|  | INTONTERMDEPOSITS | String |  |  |  |
|  | OVERDRAFTTYPE | String |  |  |  |
|  | FORMOFLOAN | String |  |  |  |
|  | EMAIL\_ADDRESS | String |  |  |  |
|  | LOAN\_MARGIN | String |  |  |  |
|  | LOAN\_METHOD | String |  |  |  |
|  | PAYMENT\_METHOD | String |  |  |  |
|  | PAYMENT\_DAY | String |  |  |  |
|  | CURRENT\_INCOME | String |  |  |  |
|  | CONTACT\_NAME\_1 | String |  |  |  |
|  | CONTACT\_PHONE\_1 | String |  |  |  |
|  | CONTACT\_NAME\_2 | String |  |  |  |
|  | CONTACT\_PHONE\_2 | String |  |  |  |
|  | EQUITY\_TOTAL | String |  |  |  |
|  | EQUITY\_OWNER | String |  |  |  |
|  | EQUITY\_PURPOSE | String |  |  |  |
|  | INSURANCE\_AMOUNT | String |  |  |  |
|  | INSURANCE\_FEE | String |  |  |  |
|  | INSURANCE\_LIMIT | String |  |  |  |
|  | HEALTH\_CONDITION | String |  |  |  |
|  | SEX | String |  |  |  |
|  | PAYMENT\_SOURCE | String |  |  |  |
|  | ANNUITY\_AMOUNT | String |  |  |  |
|  | DISBURSEMENT\_AMOUNT | String |  |  |  |
|  | ERROR\_CODE | String |  |  |  |
|  | AVAILABLE\_AMOUNT | String |  | Available amount | ”9000000” |
|  | NEXTINTERESTPAYMENTDATE | String |  | Next interest payment date | "07/05/2019" |
|  | INTERESTFORTHISPERIOD | String |  | Interest Amount | ”900000” |
|  | PRINCIPALFORTHISPERIOD | String |  | Principal amount | ”900000” |

# 2. Sequence

Call APIs from the api list above (based on Number Order)

## Overdraft details Service

## Call 1