Integration Requirement Specification Document

EPIC-ID:

EPIC-Name: UI UX

|  |  |
| --- | --- |
| Author | ThanhNV |
| Document ID |  |
| Creation Date | 18/12/2018 |
| Last Updated |  |
| Version | 1.4 |

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**Change Record**

|  |  |  |  |
| --- | --- | --- | --- |
| Date | Name | Version | Change Reference |
| 18/12/2018 | ThanhNV | 1.0 | New create |
| 21/01/2019 | Khoand | 1.1 | - Edit Description of 1.7.GetOnlineSavingRatesBySearchCriteria Service.  Add “client will get min rate from list.”  - Edit Response of 1.8.3. Integration Specification. Edit remark of **Response.**  - Delete row not relate in 1.9.3 Integration Specification  and 1.1.3. Integration Specification and 1.10.3. Integration Specification |
| 22/01/2019 | Khoand | 1.2 | Edit endpoint of 1.4. GetAccountsByAccountTypeID Service, 1.5. GetMaturityMethod Service, 1.6. GetTerms Service, 1.7. GetOnlineSavingRatesBySearchCriteria Service,1.8.GetIntroducerInfo Service, |
| 26/03/2019 | Khoand | 1.3 | Add 1.11 OnlineSavingAccountTypes?SEARCH\_TYPE=ALL\_ONLINE\_SAVING Service |
| 3/4/201 | Khoand | 1.4 | Change 1.9 service Verify and 1.10 service Confirm : add NickName with value customer want to change . |

**Reviewers**

|  |  |  |
| --- | --- | --- |
| Date | Name | Position |
|  |  |  |
|  |  |  |

**Distribution**

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If you receive a *hard copy* of this document, please write your name on the front cover, for document control purposes.

# Document Overview

## Document Purpose

*Provide a high level overview of project*.

## Reference Document

|  |  |  |  |
| --- | --- | --- | --- |
| Reference Document | Attachment | Version | Description |
| BRD | Savi001\_Open saving.docx |  | Open Saving |
|  |  |  |  |
|  |  |  |  |

## 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** |
|  | OnlineSavings?action=init Service (/cb/odata/services/onlinesavingservice/OnlineSavings?action=init) |  |
|  | OnlineSavingAccountTypes Service (/cb/odata/services/onlinesavingservice/OnlineSavingAccountTypes) |  |
|  | GetBankDate Service (/cb/odata/services/onlinesavingservice/GetBankDate) |  |
|  | GetAccountsByAccountTypeID Service (/cb/odata/services/onlinesavingservice/GetAccountsByAccountTypeID?Account\_Type\_ID=%27**AccountTypeID**%27) |  |
|  | GetMaturityMethod Service (/cb/odata/services/onlinesavingservice/GetMaturityMethod?Account\_Type\_ID=%27**AccountTypeID**%27) |  |
|  | GetTerms Service (/cb/odata/services/onlinesavingservice/GetTerms?Account\_Type\_ID=%27**AccountTypeID**%27&Currency=%27**CURRENCY**%27) | s |
|  | GetOnlineSavingRatesBySearchCriteria Service (/cb/odata/services/onlinesavingservice/GetOnlineSavingRatesBySearchCriteria?Account\_Type\_ID=%27**AccountTypeID** %27&Currency=%27**CURRENCY**%27&Term=%27**TERM**%27&Amount=%27**AMOUNT**%27  ) |  |
|  | GetIntroducerInfo Service (/cb/odata/services/onlinesavingservice/GetIntroducerInfo?DaoNo=%27**ValueDaoNumber**%27) |  |
|  | OnlineSavings?action=verify Service (/cb/odata/services/onlinesavingservice/OnlineSavings?action=verify) |  |
|  | OnlineSavings?action=confirm Service (/cb/odata/services/onlinesavingservice/OnlineSavings?action=confirm) |  |
|  | OnlineSavingAccountTypes?SEARCH\_TYPE=ALL\_ONLINE\_SAVING Service |  |

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 .

## OnlineSavings?action=init Service

### Description

1. Get init online savings information
2. Endpoint: /cb/odata/services/onlinesavingservice/OnlineSavings?action=init
3. Http Method: POST
4. ChannelType: Mobile
5. Accept: application/json
6. Request sample:

{"Id":""}

1. Responses sample:

{

"d": {

"\_\_metadata": {

"id": "https://s149.online.vpbank.com.vn:8080/cb/odata/services/onlinesavingservice/OnlineSavings('50154563763561700')",

"uri": "https://s149.online.vpbank.com.vn:8080/cb/odata/services/onlinesavingservice/OnlineSavings('50154563763561700')",

"type": "com.sap.banking.custom.onlinesaving.endpoint.v1\_0.beans.OnlineSaving"

},

"Id": "50154563763561700",

"Number": null,

"NumberMasked": null,

"BankID": null,

"BankName": null,

"NickName": null,

"Type": "Unknown",

"Status": "0",

"CurrencyCode": null,

"TrackingID": null,

"AccountGroup": "0",

"PrimaryAccount": null,

"CoreAccount": null,

"RoutingNum": null,

"LocationID": null,

"AccountDisplayText": null,

"PriorDayBalance": null,

"CurrentBalance": null,

"AvailableBalance": null,

"Favorite": false,

"BRANCHNO": null,

"OPENDATE": null,

"BRANCHNAME": null,

"AVARAGEBALANCEPERMONTH": null,

"OVERDRAFTLIMIT": null,

"BALANCE": null,

"BANKNO": null,

"ACCOUNTTYPE": null,

"ACCOUNTNUMBER": null,

"CURRENCY": null,

"INTERESTRATE": null,

"ECOMMERCESTATUS": null,

"MATURITYDATE": null,

"ACCRUEDINTEREST": null,

"TENOR": null,

"APPROVEDAMOUNT": null,

"TERMLOAN": null,

"OUTSTANDINGAMOUNT": null,

"INTERESTFORTHISPERIOD": null,

"PRINCIPALFORTHISPERIOD": null,

"THETOTALAMOUNTDUE": null,

"NEXTPRINCIPALPAYMENTDATE": null,

"NEXTINTERESTPAYMENTDATE": null,

"THETOTALOVERDUEPAYABLEAMOUNT": null,

"OVERDUEPRINCIPAL": null,

"PENALTYINTEREST": null,

"CONTRACTNUMBER": null,

"CURRENCYTYPE": null,

"CREDITLIMIT": null,

"CARDSTATUS": null,

"CARDTYPE": null,

"OUTSTANDINGBALANCE": null,

"STATEMENTBALANCE": null,

"SUMOFOUTSTANDINGAMOUNT": null,

"BLOCKEDAMOUNT": null,

"AVAILABLEAMOUNT": null,

"CARDNUMBER": null,

"MINIMUM\_PAYMENT\_DUE": null,

"PRODUCTID": null,

"CITYNAME": null,

"CITYID": null,

"BRANCHID": null,

"ACCOUNTNAME": null,

"ACCOUNT\_STATUS": null,

"STATEMENT\_TERM": null,

"PRODUCTNAME": null,

"STATEMENTDAY": null,

"SML\_BANK\_ID": null,

"AUTO\_INACTIVE": null,

"OWNERSHIP": null,

"ECOMNICKNAME": null,

"ACCDETAILAVAILABLEBALANCE": null,

"ACCDETAILCURRENTBALANCE": null,

"LINKACCOUNT": null,

"PISACCOUNT": null,

"ISTD6017": null,

"ACCOUNT\_TYPE\_T24": null,

"CCCASHLIMIT": null,

"CCCASHFEE": null,

"CCCASHFEEMIN": null,

"CCBRANHCODE": null,

"PRIMARYACCTHOLDER": null,

"CARD\_TYPE": null,

"VALIDTHROUGH": null,

"CARDTYPENAME": null,

"CONTRACT\_STATUS": null,

"PRODUCT\_STATUS": null,

"PRODUCTCODE": null,

"OVERDRAFTLIMITREF": null,

"WORKINGBALANCE": null,

"LINK\_ACC\_NO": null,

"ISLINKDEBITCARD": null,

"LinkedDebitCards": null,

"DCLINKACCOUNTS": null,

"FromAccountID": null,

"DestinationAccountID": null,

"FromAccountName": null,

"DestinationAccountName": null,

"BranchNo": null,

"OpenDate": null,

"ValueDate": null,

"CloseDate": null,

"PrincipleAmount": null,

"InterestAmount": null,

"InterestRate": null,

"Tenor": null,

"TermName": null,

"Id1": "50154563763561700",

"Id2": "50154563763561701",

"Id3": "50154563763561702",

"StatusAccount1": null,

"StatusAccount2": null,

"StatusAccount3": null,

"InterestRate1": null,

"InterestRate2": null,

"InterestRate3": null,

"Tenor1": null,

"Tenor2": null,

"Tenor3": null,

"TermName1": null,

"TermName2": null,

"TermName3": null,

"PrincipleAmount1": null,

"PrincipleAmount2": null,

"PrincipleAmount3": null,

"NumbersAccountChoise": null,

"ValueDate1": null,

"MaturityDate1": null,

"ValueDate2": null,

"MaturityDate2": null,

"ValueDate3": null,

"MaturityDate3": null,

"FrequencyName": null,

"MaturityDate": null,

"MaturityMethod": null,

"MaturityMethodName": null,

"EmployeeDAO": null,

"isIB": null,

"PromotionCode": null,

"AmountInWords": null,

"AmountInWords1": null,

"AmountInWords2": null,

"AmountInWords3": null,

"ESBFTRefrenceNumber": null,

"ErrorCode": null,

"ErrorDescription": null,

"IntroducerCIF": null,

"AccountTypeID": null,

"AccountTypeName": null,

"MATURITY\_METHOD\_VALUE": "[{\"id\":1,\"label\":\" Roll over automatically\"},{\"id\":2,\"label\":\" Settle automatically\"}]",

"MATURITYDATESTR": null,

"CifName": null,

"MaximumLimit": null,

"OverdraftInterestRate": null,

"IntAmountPaidBeforeTerm": null,

"AmountEndTerm": null,

"LostAmount": null,

"InterestKKH": null,

"BranchName": null,

"ActionType": null,

"OldMaturityMethod": null,

"OldMaturityMethodName": null,

"EvoucherCode": null,

"VoucherRate": null,

"BaseRate": null,

"FromAccount": {

"\_\_deferred": {

"uri": "https://s149.online.vpbank.com.vn:8080/cb/odata/services/onlinesavingservice/OnlineSavings('50154563763561700')/FromAccount"

}

},

"DestinationAccount": {

"\_\_deferred": {

"uri": "https://s149.online.vpbank.com.vn:8080/cb/odata/services/onlinesavingservice/OnlineSavings('50154563763561700')/DestinationAccount"

}

},

"SavingAccountType": {

"\_\_deferred": {

"uri": "https://s149.online.vpbank.com.vn:8080/cb/odata/services/onlinesavingservice/OnlineSavings('50154563763561700')/SavingAccountType"

}

},

"SavingProduct": {

"\_\_deferred": {

"uri": "https://s149.online.vpbank.com.vn:8080/cb/odata/services/onlinesavingservice/OnlineSavings('50154563763561700')/SavingProduct"

}

},

"SavingRate": {

"\_\_deferred": {

"uri": "https://s149.online.vpbank.com.vn:8080/cb/odata/services/onlinesavingservice/OnlineSavings('50154563763561700')/SavingRate"

}

},

"SavingRate1": {

"\_\_deferred": {

"uri": "https://s149.online.vpbank.com.vn:8080/cb/odata/services/onlinesavingservice/OnlineSavings('50154563763561700')/SavingRate1"

}

},

"SavingRate2": {

"\_\_deferred": {

"uri": "https://s149.online.vpbank.com.vn:8080/cb/odata/services/onlinesavingservice/OnlineSavings('50154563763561700')/SavingRate2"

}

},

"SavingRate3": {

"\_\_deferred": {

"uri": "https://s149.online.vpbank.com.vn:8080/cb/odata/services/onlinesavingservice/OnlineSavings('50154563763561700')/SavingRate3"

}

}

}

}

### Business rules

1. Customer sign in successful.
2. Customer have enough money in current account to open online saving.

### Integration Specification

**Request message**

| **No.** | **NAME** | **TYPE** | **REQ** | **DESCRIPTION** | **REMARKS** |
| --- | --- | --- | --- | --- | --- |
|  | Id | String |  | Unique identifier (per bank) for the customers account. |  |

**Response message**

| **No.** | **NAME** | **TYPE** | **REQ** | **DESCRIPTION** | **REMARKS** |
| --- | --- | --- | --- | --- | --- |
|  | Id | String |  | Online saving ref. | "50154563763561700" |
|  | Number | String |  | Unique identifier (per bank) for the customers account. (Not yet hashed) | "null" |
|  | NumberMasked | String |  | Unique identifier (per bank) for the customers account. (Masked) | "null" |
|  | BankID | String |  | ID of the Service Bureau this affiliate bank belongs to. | "null" |
|  | BankName | String |  |  | "null" |
|  | NickName | String |  | User assigned name for account that is more ‘friendly’. | "null" |
|  | Type | String |  | Account type.  Example: NORMALACCOUNT, VPSTAFFACCOUNT, ONLINEEASYSAVING, … | "Unknown" |
|  | Status | String |  | Not in use (default “PENDING”) | "0" |
|  | CurrencyCode | String |  | Currency type the account should use. | "null" |
|  | TrackingID | String |  |  | "null" |
|  | AccountGroup | String |  | Account group identifier | "0" |
|  | PrimaryAccount | String |  |  | "null" |
|  | CoreAccount | String |  | Flag to determine if this account is the user’s core account. Valid values are:  1: same CIF  2: different CIF | "null" |
|  | RoutingNum | String |  | Account routing number is an identification of a bank. | "null" |
|  | LocationID | String |  |  | "null" |
|  | AccountDisplayText | String |  |  | "null" |
|  | PriorDayBalance | String |  |  | "null" |
|  | CurrentBalance | String |  |  | "null" |
|  | AvailableBalance | String |  |  | "null" |
|  | Favorite | String |  | true: Favorite, false: Not favorite | "false" |
|  | BRANCHNO | String |  |  | "null" |
|  | OPENDATE | String |  |  | "null" |
|  | BRANCHNAME | String |  |  | "null" |
|  | AVARAGEBALANCEPERMONTH | String |  |  | "null" |
|  | OVERDRAFTLIMIT | String |  |  | "null" |
|  | BALANCE | String |  |  | "null" |
|  | BANKNO | String |  |  | "null" |
|  | ACCOUNTTYPE | String |  |  | "null" |
|  | ACCOUNTNUMBER | String |  |  | "null" |
|  | CURRENCY | String |  |  | "null" |
|  | INTERESTRATE | String |  |  | "null" |
|  | ECOMMERCESTATUS | String |  |  | "null" |
|  | MATURITYDATE | String |  |  | "null" |
|  | ACCRUEDINTEREST | String |  |  | "null" |
|  | TENOR | String |  |  | "null" |
|  | APPROVEDAMOUNT | String |  |  | "null" |
|  | TERMLOAN | String |  |  | "null" |
|  | OUTSTANDINGAMOUNT | String |  |  | "null" |
|  | INTERESTFORTHISPERIOD | String |  |  | "null" |
|  | PRINCIPALFORTHISPERIOD | String |  |  | "null" |
|  | THETOTALAMOUNTDUE | String |  |  | "null" |
|  | NEXTPRINCIPALPAYMENTDATE | String |  |  | "null" |
|  | NEXTINTERESTPAYMENTDATE | String |  |  | "null" |
|  | THETOTALOVERDUEPAYABLEAMOUNT | String |  |  | "null" |
|  | OVERDUEPRINCIPAL | String |  |  | "null" |
|  | PENALTYINTEREST | String |  |  | "null" |
|  | CONTRACTNUMBER | String |  |  | "null" |
|  | CURRENCYTYPE | String |  |  | "null" |
|  | CREDITLIMIT | String |  |  | "null" |
|  | CARDSTATUS | String |  |  | "null" |
|  | CARDTYPE | String |  |  | "null" |
|  | OUTSTANDINGBALANCE | String |  |  | "null" |
|  | STATEMENTBALANCE | String |  |  | "null" |
|  | SUMOFOUTSTANDINGAMOUNT | String |  |  | "null" |
|  | BLOCKEDAMOUNT | String |  |  | "null" |
|  | AVAILABLEAMOUNT | String |  |  | "null" |
|  | CARDNUMBER | String |  |  | "null" |
|  | MINIMUM\_PAYMENT\_DUE | String |  |  | "null" |
|  | PRODUCTID | String |  |  | "null" |
|  | CITYNAME | String |  |  | "null" |
|  | CITYID | String |  |  | "null" |
|  | BRANCHID | String |  |  | "null" |
|  | ACCOUNTNAME | String |  |  | "null" |
|  | ACCOUNT\_STATUS | String |  |  | "null" |
|  | STATEMENT\_TERM | String |  |  | "null" |
|  | PRODUCTNAME | String |  |  | "null" |
|  | STATEMENTDAY | String |  |  | "null" |
|  | SML\_BANK\_ID | String |  |  | "null" |
|  | AUTO\_INACTIVE | String |  |  | "null" |
|  | OWNERSHIP | String |  |  | "null" |
|  | ECOMNICKNAME | String |  |  | "null" |
|  | ACCDETAILAVAILABLEBALANCE | String |  |  | "null" |
|  | ACCDETAILCURRENTBALANCE | String |  |  | "null" |
|  | LINKACCOUNT | String |  |  | "null" |
|  | PISACCOUNT | String |  |  | "null" |
|  | ISTD6017 | String |  |  | "null" |
|  | ACCOUNT\_TYPE\_T24 | String |  |  | "null" |
|  | CCCASHLIMIT | String |  |  | "null" |
|  | CCCASHFEE | String |  |  | "null" |
|  | CCCASHFEEMIN | String |  |  | "null" |
|  | CCBRANHCODE | String |  |  | "null" |
|  | PRIMARYACCTHOLDER | String |  |  | "null" |
|  | CARD\_TYPE | String |  |  | "null" |
|  | VALIDTHROUGH | String |  |  | "null" |
|  | CARDTYPENAME | String |  |  | "null" |
|  | CONTRACT\_STATUS | String |  |  | "null" |
|  | PRODUCT\_STATUS | String |  |  | "null" |
|  | PRODUCTCODE | String |  |  | "null" |
|  | OVERDRAFTLIMITREF | String |  |  | "null" |
|  | WORKINGBALANCE | String |  |  | "null" |
|  | LINK\_ACC\_NO | String |  |  | "null" |
|  | ISLINKDEBITCARD | String |  |  | "null" |
|  | LinkedDebitCards | String |  |  | "null" |
|  | DCLINKACCOUNTS | String |  |  | "null" |
|  | FromAccountID | String |  |  | "null" |
|  | DestinationAccountID | String |  |  | "null" |
|  | FromAccountName | String |  |  | "null" |
|  | DestinationAccountName | String |  |  | "null" |
|  | BranchNo | String |  |  | "null" |
|  | OpenDate | String |  |  | "null" |
|  | ValueDate | String |  |  | "null" |
|  | CloseDate | String |  |  | "null" |
|  | PrincipleAmount | String |  |  | "null" |
|  | InterestAmount | String |  |  | "null" |
|  | InterestRate | String |  |  | "null" |
|  | Tenor | String |  |  | "null" |
|  | TermName | String |  |  | "null" |
|  | Id1 | String |  | Unique identifier | "50154563763561700" |
|  | Id2 | String |  | Unique identifier | "50154563763561701" |
|  | Id3 | String |  | Unique identifier | "50154563763561702" |
|  | StatusAccount1 | String |  |  | "null" |
|  | StatusAccount2 | String |  |  | "null" |
|  | StatusAccount3 | String |  |  | "null" |
|  | InterestRate1 | String |  |  | "null" |
|  | InterestRate2 | String |  |  | "null" |
|  | InterestRate3 | String |  |  | "null" |
|  | Tenor1 | String |  |  | "null" |
|  | Tenor2 | String |  |  | "null" |
|  | Tenor3 | String |  |  | "null" |
|  | TermName1 | String |  |  | "null" |
|  | TermName2 | String |  |  | "null" |
|  | TermName3 | String |  |  | "null" |
|  | PrincipleAmount1 | String |  |  | "null" |
|  | PrincipleAmount2 | String |  |  | "null" |
|  | PrincipleAmount3 | String |  |  | "null" |
|  | NumbersAccountChoise | String |  |  | "null" |
|  | ValueDate1 | String |  |  | "null" |
|  | MaturityDate1 | String |  |  | "null" |
|  | ValueDate2 | String |  |  | "null" |
|  | MaturityDate2 | String |  |  | "null" |
|  | ValueDate3 | String |  |  | "null" |
|  | MaturityDate3 | String |  |  | "null" |
|  | FrequencyName | String |  |  | "null" |
|  | MaturityDate | String |  |  | "null" |
|  | MaturityMethod | String |  |  | "null" |
|  | MaturityMethodName | String |  |  | "null" |
|  | EmployeeDAO | String |  |  | "null" |
|  | isIB | String |  |  | "null" |
|  | PromotionCode | String |  |  | "null" |
|  | AmountInWords | String |  |  | "null" |
|  | AmountInWords1 | String |  |  | "null" |
|  | AmountInWords2 | String |  |  | "null" |
|  | AmountInWords3 | String |  |  | "null" |
|  | ESBFTRefrenceNumber | String |  |  | "null" |
|  | ErrorCode | String |  |  | "null" |
|  | ErrorDescription | String |  |  | "null" |
|  | IntroducerCIF | String |  |  | "null" |
|  | AccountTypeID | String |  |  | "null" |
|  | AccountTypeName | String |  |  | "null" |
|  | MATURITY\_METHOD\_VALUE | String |  | Maturity method information | "[{"id":1,"label":" Roll over automatically"},{"id":2,"label":" Settle automatically"}]" |
|  | MATURITYDATESTR | String |  |  | "null" |
|  | CifName | String |  |  | "null" |
|  | MaximumLimit | String |  |  | "null" |
|  | OverdraftInterestRate | String |  |  | "null" |
|  | IntAmountPaidBeforeTerm | String |  |  | "null" |
|  | AmountEndTerm | String |  |  | "null" |
|  | LostAmount | String |  |  | "null" |
|  | InterestKKH | String |  |  | "null" |
|  | BranchName | String |  |  | "null" |
|  | ActionType | String |  |  | "null" |
|  | OldMaturityMethod | String |  |  | "null" |
|  | OldMaturityMethodName | String |  |  | "null" |
|  | EvoucherCode | String |  |  | "null" |
|  | VoucherRate | String |  |  | "null" |
|  | BaseRate | String |  |  | "null" |

## OnlineSavingAccountTypes Service

### Description

1. Get online saving account types information
2. Endpoint: /cb/odata/services/onlinesavingservice/OnlineSavingAccountTypes
3. Base service OnlineSavingAccountTypes
4. Http Method: GET
5. ChannelType: Mobile
6. Accept: application/json
7. Request sample: None
8. Responses sample:

{

"d":{

"results":[

{

"\_\_metadata":{

"id":"https://s149.online.vpbank.com.vn:8080/cb/odata/services/onlinesavingservice/OnlineSavingAccountTypes(1)",

"uri":"https://s149.online.vpbank.com.vn:8080/cb/odata/services/onlinesavingservice/OnlineSavingAccountTypes(1)",

"type":"com.sap.banking.custom.onlinesaving.endpoint.v1\_0.beans.OnlineSavingAccountType"

},

"Account\_Type\_ID":1,

"Name\_EN":"Normal savings",

"Name\_VN":"Tiết kiệm thường trực tuyến",

"Periodic":null,

"Tandc\_Link":null,

"Status":"0"

},

{

"\_\_metadata":{

"id":"https://s149.online.vpbank.com.vn:8080/cb/odata/services/onlinesavingservice/OnlineSavingAccountTypes(2)",

"uri":"https://s149.online.vpbank.com.vn:8080/cb/odata/services/onlinesavingservice/OnlineSavingAccountTypes(2)",

"type":"com.sap.banking.custom.onlinesaving.endpoint.v1\_0.beans.OnlineSavingAccountType"

},

"Account\_Type\_ID":2,

"Name\_EN":"Floating interest rate saving",

"Name\_VN":"Bảo toàn thịnh vượng trực tuyến",

"Periodic":null,

"Tandc\_Link":null,

"Status":"0"

},

{

"\_\_metadata":{

"id":"https://s149.online.vpbank.com.vn:8080/cb/odata/services/onlinesavingservice/OnlineSavingAccountTypes(3)",

"uri":"https://s149.online.vpbank.com.vn:8080/cb/odata/services/onlinesavingservice/OnlineSavingAccountTypes(3)",

"type":"com.sap.banking.custom.onlinesaving.endpoint.v1\_0.beans.OnlineSavingAccountType"

},

"Account\_Type\_ID":3,

"Name\_EN":"Installment term savings",

"Name\_VN":"Tiết kiệm lĩnh lãi định kỳ trực tuyến",

"Periodic":null,

"Tandc\_Link":null,

"Status":"0"

},

{

"\_\_metadata":{

"id":"https://s149.online.vpbank.com.vn:8080/cb/odata/services/onlinesavingservice/OnlineSavingAccountTypes(4)",

"uri":"https://s149.online.vpbank.com.vn:8080/cb/odata/services/onlinesavingservice/OnlineSavingAccountTypes(4)",

"type":"com.sap.banking.custom.onlinesaving.endpoint.v1\_0.beans.OnlineSavingAccountType"

},

"Account\_Type\_ID":4,

"Name\_EN":"Easy savings",

"Name\_VN":"Tiết kiệm easy saving trực tuyến",

"Periodic":null,

"Tandc\_Link":null,

"Status":"0"

},

{

"\_\_metadata":{

"id":"https://s149.online.vpbank.com.vn:8080/cb/odata/services/onlinesavingservice/OnlineSavingAccountTypes(5)",

"uri":"https://s149.online.vpbank.com.vn:8080/cb/odata/services/onlinesavingservice/OnlineSavingAccountTypes(5)",

"type":"com.sap.banking.custom.onlinesaving.endpoint.v1\_0.beans.OnlineSavingAccountType"

},

"Account\_Type\_ID":5,

"Name\_EN":"Prepaid interest saving",

"Name\_VN":"Tiết kiệm trả lãi trước trực tuyến",

"Periodic":null,

"Tandc\_Link":null,

"Status":"0"

},

{

"\_\_metadata":{

"id":"https://s149.online.vpbank.com.vn:8080/cb/odata/services/onlinesavingservice/OnlineSavingAccountTypes(6)",

"uri":"https://s149.online.vpbank.com.vn:8080/cb/odata/services/onlinesavingservice/OnlineSavingAccountTypes(6)",

"type":"com.sap.banking.custom.onlinesaving.endpoint.v1\_0.beans.OnlineSavingAccountType"

},

"Account\_Type\_ID":6,

"Name\_EN":"Early savings withdrawal prohibited with conditions",

"Name\_VN":"Tiết kiệm không rút trước hạn",

"Periodic":null,

"Tandc\_Link":"http://www.vpbank.com.vn/",

"Status":"0"

}

]

}

}

### Business rules

1. Customer sign in successful.
2. Customer have enough money in current account to open online saving.

### Integration Specification

**Request message**

**Response message**

| **No.** | **NAME** | **TYPE** | **REQ** | **DESCRIPTION** | **REMARKS** |
| --- | --- | --- | --- | --- | --- |
|  | Account\_Type\_ID | String |  | Unique identifier (per bank) for the customers account. | "1" |
|  | Name\_EN | String |  | Name of savingtype (EN) | "Normal savings" |
|  | Name\_VN | String |  | Name of savingtype (VN) | "Tiết kiệm thường trực tuyến" |
|  | Periodic | String |  |  | "null" |
|  | Tandc\_Link | String |  |  | "null" |
|  | Status | String |  |  | "0" |

## GetBankDate Service

### Description

1. Get bank date information
2. Endpoint: /cb/odata/services/onlinesavingservice/GetBankDate
3. Http Method: GET
4. ChannelType: Mobile
5. Accept: application/json
6. Request sample: None
7. Responses sample:

{

"d": {

"\_\_metadata": {

"id": "https://s149.online.vpbank.com.vn:8080/cb/odata/services/onlinesavingservice/BankDates(datetime'2018-04-09T17%3A00%3A00 ')",

"uri": "https://s149.online.vpbank.com.vn:8080/cb/odata/services/onlinesavingservice/BankDates(datetime'2018-04-09T17%3A00%3A00')",

"type": "com.sap.banking.custom.onlinesaving.endpoint.v1\_0.beans.GetBankDateResult"

},

"BankDate": "\/Date(1523293200000)\/"

}}

### Business rules

1. Customer sign in successful.
2. Customer have enough money in current account to open online saving.

### Integration Specification

**Request message**

**Response message**

| **No.** | **NAME** | **TYPE** | **REQ** | **DESCRIPTION** | **REMARKS** |
| --- | --- | --- | --- | --- | --- |
| 1. | BankDate | String |  | Get timestamp of bank | “\/Date(1523293200000)\/" |

## GetAccountsByAccountTypeID Service

### Description

1. Get accounts by accountTypeID
2. Endpoint: /cb/odata/services/onlinesavingservice/GetAccountsByAccountTypeID?Account\_Type\_ID=%27**AccountTypeID**%27
3. Base service : GetAccountsByAccountTypeID
4. Http Method: GET
5. ChannelType: Mobile
6. Accept: application/json
7. Request sample:

Account\_Type\_ID: '1'

1. Responses sample:

{

"d": {

"results": [{

"\_\_metadata": {

"id": "https://s149.online.vpbank.com.vn:8080/cb/odata/services/onlinesavingservice/Accounts('ZW5je2JmYjE3NTk0OGZjYzFhODNhMGJjYmIwZjg2YjM1ZTdjfQ')",

"uri": "https://s149.online.vpbank.com.vn:8080/cb/odata/services/onlinesavingservice/Accounts('ZW5je2JmYjE3NTk0OGZjYzFhODNhMGJjYmIwZjg2YjM1ZTdjfQ')",

"type": "com.sap.banking.common.endpoint.v1\_0.beans.Account"

},

"Id": "ZW5je2JmYjE3NTk0OGZjYzFhODNhMGJjYmIwZjg2YjM1ZTdjfQ",

"Number": "139403568",

"NumberMasked": "XXXXX3568",

"BankID": "1000",

"BankName": null,

"NickName": "Tài khoản thanh toán",

"Type": "NORMALACCOUNT",

"Status": "PENDING",

"CurrencyCode": "VND",

"TrackingID": null,

"AccountGroup": "DEPOSIT",

"PrimaryAccount": null,

"CoreAccount": "1",

"RoutingNum": "660110110",

"LocationID": null,

"AccountDisplayText": "Tài khoản thanh toán - 139403568 Bal. ₫99,824,001,326",

"PriorDayBalance": "99824001326",

"CurrentBalance": "99824001326",

"AvailableBalance": "99824001326",

"Favorite": false,

"BRANCHNO": "VN0010106",

"OPENDATE": null,

"BRANCHNAME": null,

"AVARAGEBALANCEPERMONTH": null,

"OVERDRAFTLIMIT": null,

"BALANCE": null,

"BANKNO": null,

"ACCOUNTTYPE": null,

"ACCOUNTNUMBER": null,

"CURRENCY": "VND",

"INTERESTRATE": null,

"ECOMMERCESTATUS": null,

"MATURITYDATE": null,

"ACCRUEDINTEREST": null,

"TENOR": null,

"APPROVEDAMOUNT": null,

"TERMLOAN": null,

"OUTSTANDINGAMOUNT": null,

"INTERESTFORTHISPERIOD": null,

"PRINCIPALFORTHISPERIOD": null,

"THETOTALAMOUNTDUE": null,

"NEXTPRINCIPALPAYMENTDATE": null,

"NEXTINTERESTPAYMENTDATE": null,

"THETOTALOVERDUEPAYABLEAMOUNT": null,

"OVERDUEPRINCIPAL": null,

"PENALTYINTEREST": null,

"CONTRACTNUMBER": null,

"CURRENCYTYPE": null,

"CREDITLIMIT": null,

"CARDSTATUS": null,

"CARDTYPE": null,

"OUTSTANDINGBALANCE": null,

"STATEMENTBALANCE": null,

"SUMOFOUTSTANDINGAMOUNT": null,

"BLOCKEDAMOUNT": null,

"AVAILABLEAMOUNT": null,

"CARDNUMBER": null,

"MINIMUM\_PAYMENT\_DUE": null,

"PRODUCTID": "1001",

"CITYNAME": null,

"CITYID": null,

"BRANCHID": null,

"ACCOUNTNAME": null,

"ACCOUNT\_STATUS": "ACTIVE",

"STATEMENT\_TERM": null,

"PRODUCTNAME": null,

"STATEMENTDAY": null,

"SML\_BANK\_ID": null,

"AUTO\_INACTIVE": null,

"OWNERSHIP": null,

"ECOMNICKNAME": null,

"ACCDETAILAVAILABLEBALANCE": null,

"ACCDETAILCURRENTBALANCE": null,

"LINKACCOUNT": null,

"PISACCOUNT": null,

"ISTD6017": false,

"ACCOUNT\_TYPE\_T24": "AC",

"CCCASHLIMIT": null,

"CCCASHFEE": null,

"CCCASHFEEMIN": null,

"CCBRANHCODE": null,

"PRIMARYACCTHOLDER": null,

"CARD\_TYPE": null,

"VALIDTHROUGH": null,

"CARDTYPENAME": null,

"CONTRACT\_STATUS": null,

"PRODUCT\_STATUS": null,

"PRODUCTCODE": "011001",

"OVERDRAFTLIMITREF": "",

"WORKINGBALANCE": "99824001326",

"LINK\_ACC\_NO": "",

"ISLINKDEBITCARD": "",

"LinkedDebitCards": null,

"DCLINKACCOUNTS": null

}

]

}

}

### Business rules

1. Customer sign in successful.
2. Customer have enough money in current account to open online saving.

### Integration Specification

**Request message**

| **No.** | **NAME** | **TYPE** | **REQ** | **DESCRIPTION** | **REMARKS** |
| --- | --- | --- | --- | --- | --- |
|  | Account\_Type\_ID | String |  | Unique identifier (per bank) for the customers account. | "1" |

**Response message**

| **No.** | **NAME** | **TYPE** | **REQ** | **DESCRIPTION** | **REMARKS** |
| --- | --- | --- | --- | --- | --- |
|  | Id | String |  | Unique identifier (per bank) for the customers account.  Format: accountNumber-accountType. | "ZW5je2JmYjE3NTk0OGZjYzFhODNhMGJjYmIwZjg2YjM1ZTdjfQ" |
|  | Number | String |  | Unique identifier (per bank) for the customers account. (Not yet hashed) | "139403568" |
|  | NumberMasked | String |  | Unique identifier (per bank) for the customers account. (Masked) | "XXXXX3568" |
|  | BankID | String |  | ID of the Service Bureau this affiliate bank belongs to. | "1000" |
|  | BankName | String |  |  | "null" |
|  | NickName | String |  | User assigned name for account that is more ‘friendly’. | "Tài khoản thanh toán" |
|  | Type | String |  | Account type abbr.  Example: NORMALACCOUNT, VPSTAFFACCOUNT, ONLINEEASYSAVING, … | "NORMALACCOUNT" |
|  | Status | String |  | Not in use (default “PENDING”) | "PENDING" |
|  | CurrencyCode | String |  | Currency type the account should use. | "VND" |
|  | TrackingID | String |  |  | "null" |
|  | AccountGroup | String |  | Account group identifier | "DEPOSIT" |
|  | PrimaryAccount | String |  |  | "null" |
|  | CoreAccount | String |  | Flag to determine if this account is the user’s core account. Valid values are:  1: same CIF  2: different CIF | "1" |
|  | RoutingNum | String |  | Account routing number is an identification of a bank. | "660110110" |
|  | LocationID | String |  |  | "null" |
|  | AccountDisplayText | String |  | Name of account type | "Tài khoản thanh toán - 139403568 Bal. ₫99,824,001,326" |
|  | PriorDayBalance | String |  | being assigned as available Balance, format : ##### (number) | "99824001326" |
|  | CurrentBalance | String |  | being assigned as available Balance, format : ##### (number) | "99824001326" |
|  | AvailableBalance | String |  | Available Balance, format : ##### (number) | "99824001326" |
|  | Favorite | String |  | true: Favorite, false: Not favorite | "false" |
|  | BRANCHNO | String |  | Code of branch holding the account | "VN0010106" |
|  | OPENDATE | String |  |  | "null" |
|  | BRANCHNAME | String |  | Name of branch holding the account | "null" |
|  | AVARAGEBALANCEPERMONTH | String |  |  | "null" |
|  | OVERDRAFTLIMIT | String |  |  | "null" |
|  | BALANCE | String |  |  | "null" |
|  | BANKNO | String |  |  | "null" |
|  | ACCOUNTTYPE | String |  |  | "null" |
|  | ACCOUNTNUMBER | String |  |  | "null" |
|  | CURRENCY | String |  | Account currency | "VND" |
|  | INTERESTRATE | String |  |  | "null" |
|  | ECOMMERCESTATUS | String |  |  | "null" |
|  | MATURITYDATE | String |  |  | "null" |
|  | ACCRUEDINTEREST | String |  |  | "null" |
|  | TENOR | String |  |  | "null" |
|  | APPROVEDAMOUNT | String |  |  | "null" |
|  | TERMLOAN | String |  |  | "null" |
|  | OUTSTANDINGAMOUNT | String |  |  | "null" |
|  | INTERESTFORTHISPERIOD | String |  |  | "null" |
|  | PRINCIPALFORTHISPERIOD | String |  |  | "null" |
|  | THETOTALAMOUNTDUE | String |  |  | "null" |
|  | NEXTPRINCIPALPAYMENTDATE | String |  |  | "null" |
|  | NEXTINTERESTPAYMENTDATE | String |  |  | "null" |
|  | THETOTALOVERDUEPAYABLEAMOUNT | String |  |  | "null" |
|  | OVERDUEPRINCIPAL | String |  |  | "null" |
|  | PENALTYINTEREST | String |  |  | "null" |
|  | CONTRACTNUMBER | String |  |  | "null" |
|  | CURRENCYTYPE | String |  |  | "null" |
|  | CREDITLIMIT | String |  |  | "null" |
|  | CARDSTATUS | String |  |  | "null" |
|  | CARDTYPE | String |  |  | "null" |
|  | OUTSTANDINGBALANCE | String |  |  | "null" |
|  | STATEMENTBALANCE | String |  |  | "null" |
|  | SUMOFOUTSTANDINGAMOUNT | String |  |  | "null" |
|  | BLOCKEDAMOUNT | String |  |  | "null" |
|  | AVAILABLEAMOUNT | String |  |  | "null" |
|  | CARDNUMBER | String |  |  | "null" |
|  | MINIMUM\_PAYMENT\_DUE | String |  |  | "null" |
|  | PRODUCTID | String |  | Indicates the Category code for the Account. | "1001" |
|  | CITYNAME | String |  |  | "null" |
|  | CITYID | String |  |  | "null" |
|  | BRANCHID | String |  |  | "null" |
|  | ACCOUNTNAME | String |  |  | "null" |
|  | ACCOUNT\_STATUS | String |  | Current account (card) status.  For account: ACTIVE, DORMART, INACTIVE  For Card: Card OK, Card Closed, Call Issuer, Pin Blocked, Pickup L41 | "ACTIVE" |
|  | STATEMENT\_TERM | String |  |  | "null" |
|  | PRODUCTNAME | String |  |  | "null" |
|  | STATEMENTDAY | String |  |  | "null" |
|  | SML\_BANK\_ID | String |  |  | "null" |
|  | AUTO\_INACTIVE | String |  |  | "null" |
|  | OWNERSHIP | String |  |  | "null" |
|  | ECOMNICKNAME | String |  |  | "null" |
|  | ACCDETAILAVAILABLEBALANCE | String |  |  | "null" |
|  | ACCDETAILCURRENTBALANCE | String |  |  | "null" |
|  | LINKACCOUNT | String |  |  | "null" |
|  | PISACCOUNT | String |  |  | "null" |
|  | ISTD6017 | String |  | true : if product code of account equal TD6017  false: if product code of account not equal TD6017 | "false" |
|  | ACCOUNT\_TYPE\_T24 | String |  | Account type (AC : account, Debit Card, CC: Credit card) | "AC" |
|  | CCCASHLIMIT | String |  |  | "null" |
|  | CCCASHFEE | String |  |  | "null" |
|  | CCCASHFEEMIN | String |  |  | "null" |
|  | CCBRANHCODE | String |  |  | "null" |
|  | PRIMARYACCTHOLDER | String |  | Not in use (Account holder name) | "null" |
|  | CARD\_TYPE | String |  | Card type (PRIN, SUP) | "null" |
|  | VALIDTHROUGH | String |  |  | "null" |
|  | CARDTYPENAME | String |  |  | "null" |
|  | CONTRACT\_STATUS | String |  |  | "null" |
|  | PRODUCT\_STATUS | String |  |  | "null" |
|  | PRODUCTCODE | String |  | Product code | "011001" |
|  | OVERDRAFTLIMITREF | String |  |  | "" |
|  | WORKINGBALANCE | String |  |  | "99824001326" |
|  | LINK\_ACC\_NO | String |  |  | "" |
|  | ISLINKDEBITCARD | String |  |  | "" |
|  | LinkedDebitCards | String |  |  | "null" |
|  | DCLINKACCOUNTS | String |  |  | "null" |

## GetMaturityMethod Service

### Description

1. Get maturity methods information
2. Endpoint: /cb/odata/services/onlinesavingservice/GetMaturityMethod?Account\_Type\_ID=%27**AccountTypeID**%27
3. Http Method: GET
4. ChannelType: Mobile
5. Accept: application/json
6. Request sample:

Account\_Type\_ID: '1'

1. Responses sample:

{

"d": {

"\_\_metadata": {

"id": "https://s149.online.vpbank.com.vn:8080/cb/odata/services/onlinesavingservice/GetMaturityMethodResults('%5B%7B%22id%22%3A1%2C%22label%22%3A%22Automatic%20roll%20of%20principal%20and%20interest%22%7D%2C%7B%22id%22%3A2%2C%22label%22%3A%22Settle%20automatically%22%7D%2C%7B%22id%22%3A3%2C%22label%22%3A%22Roll%20principal%20and%20interest%20payment%20account%20transfer%22%7D%5D')",

"uri": "https://s149.online.vpbank.com.vn:8080/cb/odata/services/onlinesavingservice/GetMaturityMethodResults('%5B%7B%22id%22%3A1%2C%22label%22%3A%22Automatic%20roll%20of%20principal%20and%20interest%22%7D%2C%7B%22id%22%3A2%2C%22label%22%3A%22Settle%20automatically%22%7D%2C%7B%22id%22%3A3%2C%22label%22%3A%22Roll%20principal%20and%20interest%20payment%20account%20transfer%22%7D%5D')",

"type": "com.sap.banking.custom.onlinesaving.endpoint.v1\_0.beans.GetMaturityMethodResult"

},

"MaturityMethod": "[{\"id\":1,\"label\":\"Automatic roll of principal and interest\"},{\"id\":2,\"label\":\"Settle automatically\"},{\"id\":3,\"label\":\"Roll principal and interest payment account transfer\"}]"

}

}

### Business rules

1. Customer sign in successful.
2. Customer have enough money in current account to open online saving.

### Integration Specification

**Request message**

| **No.** | **NAME** | **TYPE** | **REQ** | **DESCRIPTION** | **REMARKS** |
| --- | --- | --- | --- | --- | --- |
|  | Account\_Type\_ID | String |  | Unique identifier (per bank) for the customers account. | "1" |

**Response message**

| **No.** | **NAME** | **TYPE** | **REQ** | **DESCRIPTION** | **REMARKS** |
| --- | --- | --- | --- | --- | --- |
| 1. | MaturityMethod | String |  | Get maturity method list | "[{\"id\":1,\"label\":\"Automatic roll of principal and interest\"},{\"id\":2,\"label\":\"Settle automatically\"},{\"id\":3,\"label\":\"Roll principal and interest payment account transfer\"}]" |

## GetTerms Service

### Description

1. Get terms information
2. Endpoint: /cb/odata/services/onlinesavingservice/GetTerms?Account\_Type\_ID=%27**AccountTypeID**%27&Currency=%27**CURRENCY**%27
3. Http Method: GET
4. ChannelType: Mobile
5. Accept: application/json
6. Request sample:

Account\_Type\_ID: '1'

Currency: 'VND'

1. Responses sample:

{

"d": {

"results": [{

"\_\_metadata": {

"id": "https://s149.online.vpbank.com.vn:8080/cb/odata/services/onlinesavingservice/OnlineSavingRates(Account\_Type\_ID=1,Currency='VND',Term='7D',Product\_ID='',Product\_Code='',Amount\_Min=0M,Amount\_Max=0M)",

"uri": "https://s149.online.vpbank.com.vn:8080/cb/odata/services/onlinesavingservice/OnlineSavingRates(Account\_Type\_ID=1,Currency='VND',Term='7D',Product\_ID='',Product\_Code='',Amount\_Min=0M,Amount\_Max=0M)",

"type": "com.sap.banking.custom.onlinesaving.endpoint.v1\_0.beans.OnlineSavingRate"

},

"Account\_Type\_ID": 1,

"Currency": "VND",

"Product\_ID": "",

"Product\_Code": "",

"Term": "7D",

"Rate": null,

"Date": null,

"Amount\_Min": "0",

"Amount\_Max": "0",

"TERM\_LABEL": "Day(s)",

"LIST\_RATE\_PRODUCT": null,

"RateCeilingEnc": null,

"BaseRateEnc": null,

"BaseRate": null

},

{

"\_\_metadata": {

"id": "https://s149.online.vpbank.com.vn:8080/cb/odata/services/onlinesavingservice/OnlineSavingRates(Account\_Type\_ID=1,Currency='VND',Term='14D',Product\_ID='',Product\_Code='',Amount\_Min=0M,Amount\_Max=0M)",

"uri": "https://s149.online.vpbank.com.vn:8080/cb/odata/services/onlinesavingservice/OnlineSavingRates(Account\_Type\_ID=1,Currency='VND',Term='14D',Product\_ID='',Product\_Code='',Amount\_Min=0M,Amount\_Max=0M)",

"type": "com.sap.banking.custom.onlinesaving.endpoint.v1\_0.beans.OnlineSavingRate"

},

"Account\_Type\_ID": 1,

"Currency": "VND",

"Product\_ID": "",

"Product\_Code": "",

"Term": "14D",

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"Date": null,

"Amount\_Min": "0",

"Amount\_Max": "0",

"TERM\_LABEL": "Day(s)",

"LIST\_RATE\_PRODUCT": null,

"RateCeilingEnc": null,

"BaseRateEnc": null,

"BaseRate": null

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"id": "https://s149.online.vpbank.com.vn:8080/cb/odata/services/onlinesavingservice/OnlineSavingRates(Account\_Type\_ID=1,Currency='VND',Term='21D',Product\_ID='',Product\_Code='',Amount\_Min=0M,Amount\_Max=0M)",

"uri": "https://s149.online.vpbank.com.vn:8080/cb/odata/services/onlinesavingservice/OnlineSavingRates(Account\_Type\_ID=1,Currency='VND',Term='21D',Product\_ID='',Product\_Code='',Amount\_Min=0M,Amount\_Max=0M)",

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"uri": "https://s149.online.vpbank.com.vn:8080/cb/odata/services/onlinesavingservice/OnlineSavingRates(Account\_Type\_ID=1,Currency='VND',Term='1M',Product\_ID='',Product\_Code='',Amount\_Min=0M,Amount\_Max=0M)",

"type": "com.sap.banking.custom.onlinesaving.endpoint.v1\_0.beans.OnlineSavingRate"

},

"Account\_Type\_ID": 1,

"Currency": "VND",

"Product\_ID": "",

"Product\_Code": "",

"Term": "1M",

"Rate": null,

"Date": null,

"Amount\_Min": "0",

"Amount\_Max": "0",

"TERM\_LABEL": "Month(s)",

"LIST\_RATE\_PRODUCT": null,

"RateCeilingEnc": null,

"BaseRateEnc": null,

"BaseRate": null

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{

"\_\_metadata": {

"id": "https://s149.online.vpbank.com.vn:8080/cb/odata/services/onlinesavingservice/OnlineSavingRates(Account\_Type\_ID=1,Currency='VND',Term='2M',Product\_ID='',Product\_Code='',Amount\_Min=0M,Amount\_Max=0M)",

"uri": "https://s149.online.vpbank.com.vn:8080/cb/odata/services/onlinesavingservice/OnlineSavingRates(Account\_Type\_ID=1,Currency='VND',Term='2M',Product\_ID='',Product\_Code='',Amount\_Min=0M,Amount\_Max=0M)",

"type": "com.sap.banking.custom.onlinesaving.endpoint.v1\_0.beans.OnlineSavingRate"

},

"Account\_Type\_ID": 1,

"Currency": "VND",

"Product\_ID": "",

"Product\_Code": "",

"Term": "2M",

"Rate": null,

"Date": null,

"Amount\_Min": "0",

"Amount\_Max": "0",

"TERM\_LABEL": "Month(s)",

"LIST\_RATE\_PRODUCT": null,

"RateCeilingEnc": null,

"BaseRateEnc": null,

"BaseRate": null

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"id": "https://s149.online.vpbank.com.vn:8080/cb/odata/services/onlinesavingservice/OnlineSavingRates(Account\_Type\_ID=1,Currency='VND',Term='3M',Product\_ID='',Product\_Code='',Amount\_Min=0M,Amount\_Max=0M)",

"uri": "https://s149.online.vpbank.com.vn:8080/cb/odata/services/onlinesavingservice/OnlineSavingRates(Account\_Type\_ID=1,Currency='VND',Term='3M',Product\_ID='',Product\_Code='',Amount\_Min=0M,Amount\_Max=0M)",

"type": "com.sap.banking.custom.onlinesaving.endpoint.v1\_0.beans.OnlineSavingRate"

},

"Account\_Type\_ID": 1,

"Currency": "VND",

"Product\_ID": "",

"Product\_Code": "",

"Term": "3M",

"Rate": null,

"Date": null,

"Amount\_Min": "0",

"Amount\_Max": "0",

"TERM\_LABEL": "Month(s)",

"LIST\_RATE\_PRODUCT": null,

"RateCeilingEnc": null,

"BaseRateEnc": null,

"BaseRate": null

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"id": "https://s149.online.vpbank.com.vn:8080/cb/odata/services/onlinesavingservice/OnlineSavingRates(Account\_Type\_ID=1,Currency='VND',Term='4M',Product\_ID='',Product\_Code='',Amount\_Min=0M,Amount\_Max=0M)",

"uri": "https://s149.online.vpbank.com.vn:8080/cb/odata/services/onlinesavingservice/OnlineSavingRates(Account\_Type\_ID=1,Currency='VND',Term='4M',Product\_ID='',Product\_Code='',Amount\_Min=0M,Amount\_Max=0M)",

"type": "com.sap.banking.custom.onlinesaving.endpoint.v1\_0.beans.OnlineSavingRate"

},

"Account\_Type\_ID": 1,

"Currency": "VND",

"Product\_ID": "",

"Product\_Code": "",

"Term": "4M",

"Rate": null,

"Date": null,

"Amount\_Min": "0",

"Amount\_Max": "0",

"TERM\_LABEL": "Month(s)",

"LIST\_RATE\_PRODUCT": null,

"RateCeilingEnc": null,

"BaseRateEnc": null,

"BaseRate": null

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{

"\_\_metadata": {

"id": "https://s149.online.vpbank.com.vn:8080/cb/odata/services/onlinesavingservice/OnlineSavingRates(Account\_Type\_ID=1,Currency='VND',Term='5M',Product\_ID='',Product\_Code='',Amount\_Min=0M,Amount\_Max=0M)",

"uri": "https://s149.online.vpbank.com.vn:8080/cb/odata/services/onlinesavingservice/OnlineSavingRates(Account\_Type\_ID=1,Currency='VND',Term='5M',Product\_ID='',Product\_Code='',Amount\_Min=0M,Amount\_Max=0M)",

"type": "com.sap.banking.custom.onlinesaving.endpoint.v1\_0.beans.OnlineSavingRate"

},

"Account\_Type\_ID": 1,

"Currency": "VND",

"Product\_ID": "",

"Product\_Code": "",

"Term": "5M",

"Rate": null,

"Date": null,

"Amount\_Min": "0",

"Amount\_Max": "0",

"TERM\_LABEL": "Month(s)",

"LIST\_RATE\_PRODUCT": null,

"RateCeilingEnc": null,

"BaseRateEnc": null,

"BaseRate": null

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{

"\_\_metadata": {

"id": "https://s149.online.vpbank.com.vn:8080/cb/odata/services/onlinesavingservice/OnlineSavingRates(Account\_Type\_ID=1,Currency='VND',Term='6M',Product\_ID='',Product\_Code='',Amount\_Min=0M,Amount\_Max=0M)",

"uri": "https://s149.online.vpbank.com.vn:8080/cb/odata/services/onlinesavingservice/OnlineSavingRates(Account\_Type\_ID=1,Currency='VND',Term='6M',Product\_ID='',Product\_Code='',Amount\_Min=0M,Amount\_Max=0M)",

"type": "com.sap.banking.custom.onlinesaving.endpoint.v1\_0.beans.OnlineSavingRate"

},

"Account\_Type\_ID": 1,

"Currency": "VND",

"Product\_ID": "",

"Product\_Code": "",

"Term": "6M",

"Rate": null,

"Date": null,

"Amount\_Min": "0",

"Amount\_Max": "0",

"TERM\_LABEL": "Month(s)",

"LIST\_RATE\_PRODUCT": null,

"RateCeilingEnc": null,

"BaseRateEnc": null,

"BaseRate": null

},

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"\_\_metadata": {

"id": "https://s149.online.vpbank.com.vn:8080/cb/odata/services/onlinesavingservice/OnlineSavingRates(Account\_Type\_ID=1,Currency='VND',Term='7M',Product\_ID='',Product\_Code='',Amount\_Min=0M,Amount\_Max=0M)",

"uri": "https://s149.online.vpbank.com.vn:8080/cb/odata/services/onlinesavingservice/OnlineSavingRates(Account\_Type\_ID=1,Currency='VND',Term='7M',Product\_ID='',Product\_Code='',Amount\_Min=0M,Amount\_Max=0M)",

"type": "com.sap.banking.custom.onlinesaving.endpoint.v1\_0.beans.OnlineSavingRate"

},

"Account\_Type\_ID": 1,

"Currency": "VND",

"Product\_ID": "",

"Product\_Code": "",

"Term": "7M",

"Rate": null,

"Date": null,

"Amount\_Min": "0",

"Amount\_Max": "0",

"TERM\_LABEL": "Month(s)",

"LIST\_RATE\_PRODUCT": null,

"RateCeilingEnc": null,

"BaseRateEnc": null,

"BaseRate": null

},

{

"\_\_metadata": {

"id": "https://s149.online.vpbank.com.vn:8080/cb/odata/services/onlinesavingservice/OnlineSavingRates(Account\_Type\_ID=1,Currency='VND',Term='8M',Product\_ID='',Product\_Code='',Amount\_Min=0M,Amount\_Max=0M)",

"uri": "https://s149.online.vpbank.com.vn:8080/cb/odata/services/onlinesavingservice/OnlineSavingRates(Account\_Type\_ID=1,Currency='VND',Term='8M',Product\_ID='',Product\_Code='',Amount\_Min=0M,Amount\_Max=0M)",

"type": "com.sap.banking.custom.onlinesaving.endpoint.v1\_0.beans.OnlineSavingRate"

},

"Account\_Type\_ID": 1,

"Currency": "VND",

"Product\_ID": "",

"Product\_Code": "",

"Term": "8M",

"Rate": null,

"Date": null,

"Amount\_Min": "0",

"Amount\_Max": "0",

"TERM\_LABEL": "Month(s)",

"LIST\_RATE\_PRODUCT": null,

"RateCeilingEnc": null,

"BaseRateEnc": null,

"BaseRate": null

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"\_\_metadata": {

"id": "https://s149.online.vpbank.com.vn:8080/cb/odata/services/onlinesavingservice/OnlineSavingRates(Account\_Type\_ID=1,Currency='VND',Term='9M',Product\_ID='',Product\_Code='',Amount\_Min=0M,Amount\_Max=0M)",

"uri": "https://s149.online.vpbank.com.vn:8080/cb/odata/services/onlinesavingservice/OnlineSavingRates(Account\_Type\_ID=1,Currency='VND',Term='9M',Product\_ID='',Product\_Code='',Amount\_Min=0M,Amount\_Max=0M)",

"type": "com.sap.banking.custom.onlinesaving.endpoint.v1\_0.beans.OnlineSavingRate"

},

"Account\_Type\_ID": 1,

"Currency": "VND",

"Product\_ID": "",

"Product\_Code": "",

"Term": "9M",

"Rate": null,

"Date": null,

"Amount\_Min": "0",

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"TERM\_LABEL": "Month(s)",

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"BaseRate": null

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"id": "https://s149.online.vpbank.com.vn:8080/cb/odata/services/onlinesavingservice/OnlineSavingRates(Account\_Type\_ID=1,Currency='VND',Term='10M',Product\_ID='',Product\_Code='',Amount\_Min=0M,Amount\_Max=0M)",

"uri": "https://s149.online.vpbank.com.vn:8080/cb/odata/services/onlinesavingservice/OnlineSavingRates(Account\_Type\_ID=1,Currency='VND',Term='10M',Product\_ID='',Product\_Code='',Amount\_Min=0M,Amount\_Max=0M)",

"type": "com.sap.banking.custom.onlinesaving.endpoint.v1\_0.beans.OnlineSavingRate"

},

"Account\_Type\_ID": 1,

"Currency": "VND",

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"Product\_Code": "",

"Term": "10M",

"Rate": null,

"Date": null,

"Amount\_Min": "0",

"Amount\_Max": "0",

"TERM\_LABEL": "Month(s)",

"LIST\_RATE\_PRODUCT": null,

"RateCeilingEnc": null,

"BaseRateEnc": null,

"BaseRate": null

},

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"\_\_metadata": {

"id": "https://s149.online.vpbank.com.vn:8080/cb/odata/services/onlinesavingservice/OnlineSavingRates(Account\_Type\_ID=1,Currency='VND',Term='11M',Product\_ID='',Product\_Code='',Amount\_Min=0M,Amount\_Max=0M)",

"uri": "https://s149.online.vpbank.com.vn:8080/cb/odata/services/onlinesavingservice/OnlineSavingRates(Account\_Type\_ID=1,Currency='VND',Term='11M',Product\_ID='',Product\_Code='',Amount\_Min=0M,Amount\_Max=0M)",

"type": "com.sap.banking.custom.onlinesaving.endpoint.v1\_0.beans.OnlineSavingRate"

},

"Account\_Type\_ID": 1,

"Currency": "VND",

"Product\_ID": "",

"Product\_Code": "",

"Term": "11M",

"Rate": null,

"Date": null,

"Amount\_Min": "0",

"Amount\_Max": "0",

"TERM\_LABEL": "Month(s)",

"LIST\_RATE\_PRODUCT": null,

"RateCeilingEnc": null,

"BaseRateEnc": null,

"BaseRate": null

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{

"\_\_metadata": {

"id": "https://s149.online.vpbank.com.vn:8080/cb/odata/services/onlinesavingservice/OnlineSavingRates(Account\_Type\_ID=1,Currency='VND',Term='12M',Product\_ID='',Product\_Code='',Amount\_Min=0M,Amount\_Max=0M)",

"uri": "https://s149.online.vpbank.com.vn:8080/cb/odata/services/onlinesavingservice/OnlineSavingRates(Account\_Type\_ID=1,Currency='VND',Term='12M',Product\_ID='',Product\_Code='',Amount\_Min=0M,Amount\_Max=0M)",

"type": "com.sap.banking.custom.onlinesaving.endpoint.v1\_0.beans.OnlineSavingRate"

},

"Account\_Type\_ID": 1,

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"Product\_Code": "",

"Term": "12M",

"Rate": null,

"Date": null,

"Amount\_Min": "0",

"Amount\_Max": "0",

"TERM\_LABEL": "Month(s)",

"LIST\_RATE\_PRODUCT": null,

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"BaseRateEnc": null,

"BaseRate": null

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"\_\_metadata": {

"id": "https://s149.online.vpbank.com.vn:8080/cb/odata/services/onlinesavingservice/OnlineSavingRates(Account\_Type\_ID=1,Currency='VND',Term='13M',Product\_ID='',Product\_Code='',Amount\_Min=0M,Amount\_Max=0M)",

"uri": "https://s149.online.vpbank.com.vn:8080/cb/odata/services/onlinesavingservice/OnlineSavingRates(Account\_Type\_ID=1,Currency='VND',Term='13M',Product\_ID='',Product\_Code='',Amount\_Min=0M,Amount\_Max=0M)",

"type": "com.sap.banking.custom.onlinesaving.endpoint.v1\_0.beans.OnlineSavingRate"

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"Product\_ID": "",

"Product\_Code": "",

"Term": "13M",

"Rate": null,

"Date": null,

"Amount\_Min": "0",

"Amount\_Max": "0",

"TERM\_LABEL": "Month(s)",

"LIST\_RATE\_PRODUCT": null,

"RateCeilingEnc": null,

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"BaseRate": null

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"\_\_metadata": {

"id": "https://s149.online.vpbank.com.vn:8080/cb/odata/services/onlinesavingservice/OnlineSavingRates(Account\_Type\_ID=1,Currency='VND',Term='15M',Product\_ID='',Product\_Code='',Amount\_Min=0M,Amount\_Max=0M)",

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"type": "com.sap.banking.custom.onlinesaving.endpoint.v1\_0.beans.OnlineSavingRate"

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"Account\_Type\_ID": 1,

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"Product\_Code": "",

"Term": "15M",

"Rate": null,

"Date": null,

"Amount\_Min": "0",

"Amount\_Max": "0",

"TERM\_LABEL": "Month(s)",

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"BaseRate": null

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"uri": "https://s149.online.vpbank.com.vn:8080/cb/odata/services/onlinesavingservice/OnlineSavingRates(Account\_Type\_ID=1,Currency='VND',Term='18M',Product\_ID='',Product\_Code='',Amount\_Min=0M,Amount\_Max=0M)",

"type": "com.sap.banking.custom.onlinesaving.endpoint.v1\_0.beans.OnlineSavingRate"

},

"Account\_Type\_ID": 1,

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"Product\_Code": "",

"Term": "18M",

"Rate": null,

"Date": null,

"Amount\_Min": "0",

"Amount\_Max": "0",

"TERM\_LABEL": "Month(s)",

"LIST\_RATE\_PRODUCT": null,

"RateCeilingEnc": null,

"BaseRateEnc": null,

"BaseRate": null

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"\_\_metadata": {

"id": "https://s149.online.vpbank.com.vn:8080/cb/odata/services/onlinesavingservice/OnlineSavingRates(Account\_Type\_ID=1,Currency='VND',Term='24M',Product\_ID='',Product\_Code='',Amount\_Min=0M,Amount\_Max=0M)",

"uri": "https://s149.online.vpbank.com.vn:8080/cb/odata/services/onlinesavingservice/OnlineSavingRates(Account\_Type\_ID=1,Currency='VND',Term='24M',Product\_ID='',Product\_Code='',Amount\_Min=0M,Amount\_Max=0M)",

"type": "com.sap.banking.custom.onlinesaving.endpoint.v1\_0.beans.OnlineSavingRate"

},

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"Product\_ID": "",

"Product\_Code": "",

"Term": "24M",

"Rate": null,

"Date": null,

"Amount\_Min": "0",

"Amount\_Max": "0",

"TERM\_LABEL": "Month(s)",

"LIST\_RATE\_PRODUCT": null,

"RateCeilingEnc": null,

"BaseRateEnc": null,

"BaseRate": null

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"\_\_metadata": {

"id": "https://s149.online.vpbank.com.vn:8080/cb/odata/services/onlinesavingservice/OnlineSavingRates(Account\_Type\_ID=1,Currency='VND',Term='36M',Product\_ID='',Product\_Code='',Amount\_Min=0M,Amount\_Max=0M)",

"uri": "https://s149.online.vpbank.com.vn:8080/cb/odata/services/onlinesavingservice/OnlineSavingRates(Account\_Type\_ID=1,Currency='VND',Term='36M',Product\_ID='',Product\_Code='',Amount\_Min=0M,Amount\_Max=0M)",

"type": "com.sap.banking.custom.onlinesaving.endpoint.v1\_0.beans.OnlineSavingRate"

},

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"Currency": "VND",

"Product\_ID": "",

"Product\_Code": "",

"Term": "36M",

"Rate": null,

"Date": null,

"Amount\_Min": "0",

"Amount\_Max": "0",

"TERM\_LABEL": "Month(s)",

"LIST\_RATE\_PRODUCT": null,

"RateCeilingEnc": null,

"BaseRateEnc": null,

"BaseRate": null

}]

}

}

### Business rules

1. Customer sign in successful.
2. Customer have enough money in current account to open online saving.

### Integration Specification

**Request message**

| **No.** | **NAME** | **TYPE** | **REQ** | **DESCRIPTION** | **REMARKS** |
| --- | --- | --- | --- | --- | --- |
|  | Account\_Type\_ID | String |  | Unique identifier (per bank) for the customers account. | "1" |
|  | Currency | String |  | Currency type the account should use. | "VND" |

**Response message**

| **No.** | **NAME** | **TYPE** | **REQ** | **DESCRIPTION** | **REMARKS** |
| --- | --- | --- | --- | --- | --- |
|  | Account\_Type\_ID | String |  | Unique identifier (per bank) for the customers account. | "1" |
|  | Currency | String |  | Currency type the account should use. | "VND" |
|  | Product\_ID | String |  |  | "" |
|  | Product\_Code | String |  |  | "" |
|  | Term | String |  | Term. | "7D" |
|  | Rate | String |  |  | "null" |
|  | Date | String |  |  | "null" |
|  | Amount\_Min | String |  |  | "0" |
|  | Amount\_Max | String |  |  | "0" |
|  | TERM\_LABEL | String |  | Label for time of term (Months or Days) | "Day(s)" |
|  | LIST\_RATE\_PRODUCT | String |  |  | "null" |
|  | RateCeilingEnc | String |  |  |  |
|  | BaseRateEnc | String |  |  |  |
|  | BaseRate | String |  |  |  |

## GetOnlineSavingRatesBySearchCriteria Service

### Description

1. Get online saving rate information by searchCriteria , client will get min rate from list.
2. Endpoint: /cb/odata/services/onlinesavingservice/GetOnlineSavingRatesBySearchCriteria?Account\_Type\_ID=%27**AccountTypeID** %27&Currency=%27**CURRENCY**%27&Term=%27**TERM**%27&Amount=%27**AMOUNT**%27
3. Http Method: GET
4. ChannelType: Mobile
5. Accept: application/json
6. Request sample:

Account\_Type\_ID: '1'

Currency: 'VND'

Term: '9M'

Amount: '13000000'

1. Responses sample:

{

"d": {

"results": [{

"\_\_metadata": {

"id": "https://s149.online.vpbank.com.vn:8080/cb/odata/services/onlinesavingservice/OnlineSavingRates(Account\_Type\_ID=1,Currency='VND',Term='9M',Product\_ID='6603',Product\_Code='01TD6001',Amount\_Min=1000000M,Amount\_Max=99999999M)",

"uri": "https://s149.online.vpbank.com.vn:8080/cb/odata/services/onlinesavingservice/OnlineSavingRates(Account\_Type\_ID=1,Currency='VND',Term='9M',Product\_ID='6603',Product\_Code='01TD6001',Amount\_Min=1000000M,Amount\_Max=99999999M)",

"type": "com.sap.banking.custom.onlinesaving.endpoint.v1\_0.beans.OnlineSavingRate"

},

"Account\_Type\_ID": 1,

"Currency": "VND",

"Product\_ID": "6603",

"Product\_Code": "01TD6001",

"Term": "9M",

"Rate": "6.7",

"Date": null,

"Amount\_Min": "1000000",

"Amount\_Max": "99999999",

"TERM\_LABEL": "Month(s)",

"LIST\_RATE\_PRODUCT": null,

"RateCeilingEnc": "",

"BaseRateEnc": "b45132f4c498193a",

"BaseRate": "6.70"

},

{

"\_\_metadata": {

"id": "https://s149.online.vpbank.com.vn:8080/cb/odata/services/onlinesavingservice/OnlineSavingRates(Account\_Type\_ID=1,Currency='VND',Term='9M',Product\_ID='6603',Product\_Code='01TD6001',Amount\_Min=1000000M,Amount\_Max=499999999M)",

"uri": "https://s149.online.vpbank.com.vn:8080/cb/odata/services/onlinesavingservice/OnlineSavingRates(Account\_Type\_ID=1,Currency='VND',Term='9M',Product\_ID='6603',Product\_Code='01TD6001',Amount\_Min=1000000M,Amount\_Max=499999999M)",

"type": "com.sap.banking.custom.onlinesaving.endpoint.v1\_0.beans.OnlineSavingRate"

},

"Account\_Type\_ID": 1,

"Currency": "VND",

"Product\_ID": "6603",

"Product\_Code": "01TD6001",

"Term": "9M",

"Rate": "6.8",

"Date": null,

"Amount\_Min": "1000000",

"Amount\_Max": "499999999",

"TERM\_LABEL": "Month(s)",

"LIST\_RATE\_PRODUCT": null,

"RateCeilingEnc": null,

"BaseRateEnc": null,

"BaseRate": null

},

{

"\_\_metadata": {

"id": "https://s149.online.vpbank.com.vn:8080/cb/odata/services/onlinesavingservice/OnlineSavingRates(Account\_Type\_ID=1,Currency='VND',Term='9M',Product\_ID='6603',Product\_Code='01TD6001',Amount\_Min=1000000M,Amount\_Max=4999999999M)",

"uri": "https://s149.online.vpbank.com.vn:8080/cb/odata/services/onlinesavingservice/OnlineSavingRates(Account\_Type\_ID=1,Currency='VND',Term='9M',Product\_ID='6603',Product\_Code='01TD6001',Amount\_Min=1000000M,Amount\_Max=4999999999M)",

"type": "com.sap.banking.custom.onlinesaving.endpoint.v1\_0.beans.OnlineSavingRate"

},

"Account\_Type\_ID": 1,

"Currency": "VND",

"Product\_ID": "6603",

"Product\_Code": "01TD6001",

"Term": "9M",

"Rate": "6.8",

"Date": null,

"Amount\_Min": "1000000",

"Amount\_Max": "4999999999",

"TERM\_LABEL": "Month(s)",

"LIST\_RATE\_PRODUCT": null,

"RateCeilingEnc": null,

"BaseRateEnc": null,

"BaseRate": null

},

{

"\_\_metadata": {

"id": "https://s149.online.vpbank.com.vn:8080/cb/odata/services/onlinesavingservice/OnlineSavingRates(Account\_Type\_ID=1,Currency='VND',Term='9M',Product\_ID='6603',Product\_Code='01TD6001',Amount\_Min=1000000M,Amount\_Max=9999999999M)",

"uri": "https://s149.online.vpbank.com.vn:8080/cb/odata/services/onlinesavingservice/OnlineSavingRates(Account\_Type\_ID=1,Currency='VND',Term='9M',Product\_ID='6603',Product\_Code='01TD6001',Amount\_Min=1000000M,Amount\_Max=9999999999M)",

"type": "com.sap.banking.custom.onlinesaving.endpoint.v1\_0.beans.OnlineSavingRate"

},

"Account\_Type\_ID": 1,

"Currency": "VND",

"Product\_ID": "6603",

"Product\_Code": "01TD6001",

"Term": "9M",

"Rate": "7.0",

"Date": null,

"Amount\_Min": "1000000",

"Amount\_Max": "9999999999",

"TERM\_LABEL": "Month(s)",

"LIST\_RATE\_PRODUCT": null,

"RateCeilingEnc": null,

"BaseRateEnc": null,

"BaseRate": null

},

{

"\_\_metadata": {

"id": "https://s149.online.vpbank.com.vn:8080/cb/odata/services/onlinesavingservice/OnlineSavingRates(Account\_Type\_ID=1,Currency='VND',Term='9M',Product\_ID='6603',Product\_Code='01TD6001',Amount\_Min=1000000M,Amount\_Max=999999999999999999M)",

"uri": "https://s149.online.vpbank.com.vn:8080/cb/odata/services/onlinesavingservice/OnlineSavingRates(Account\_Type\_ID=1,Currency='VND',Term='9M',Product\_ID='6603',Product\_Code='01TD6001',Amount\_Min=1000000M,Amount\_Max=999999999999999999M)",

"type": "com.sap.banking.custom.onlinesaving.endpoint.v1\_0.beans.OnlineSavingRate"

},

"Account\_Type\_ID": 1,

"Currency": "VND",

"Product\_ID": "6603",

"Product\_Code": "01TD6001",

"Term": "9M",

"Rate": "7.0",

"Date": null,

"Amount\_Min": "1000000",

"Amount\_Max": "999999999999999999",

"TERM\_LABEL": "Month(s)",

"LIST\_RATE\_PRODUCT": null,

"RateCeilingEnc": null,

"BaseRateEnc": null,

"BaseRate": null

}]

}

}

### Business rules

1. Customer sign in successful.
2. Customer have enough money in current account to open online saving.

### Integration Specification

**Request message**

| **No.** | **NAME** | **TYPE** | **REQ** | **DESCRIPTION** | **REMARKS** |
| --- | --- | --- | --- | --- | --- |
|  | Account\_Type\_ID | String |  | Unique identifier for the account type. | "1" |
|  | Currency | String |  | Currency type the account should use. | "VND" |
|  | Term | String |  | Term | "9M" |
|  | Amount | String |  | Amount | "13000000" |

**Response message**

| **No.** | **NAME** | **TYPE** | **REQ** | **DESCRIPTION** | **REMARKS** |
| --- | --- | --- | --- | --- | --- |
|  | Account\_Type\_ID | String |  | Unique identifier for the account type. | "1" |
|  | Currency | String |  | Currency type the account should use. | "VND" |
|  | Product\_ID | String |  | Product Id | "6603" |
|  | Product\_Code | String |  | Product code | "01TD6001" |
|  | Term | String |  | Term | "9M" |
|  | Rate | String |  | Rate | "6.7" |
|  | Date | String |  |  | "null" |
|  | Amount\_Min | String |  | Amount min | "1000000" |
|  | Amount\_Max | String |  | Amount max | "99999999" |
|  | TERM\_LABEL | String |  | Label for time of term | "Month(s)" |
|  | LIST\_RATE\_PRODUCT | String |  |  | "null" |
|  | RateCeilingEnc | String |  |  |  |
|  | BaseRateEnc | String |  |  | "b45132f4c498193a" |
|  | BaseRate | String |  |  | "6.70" |

## GetIntroducerInfo Service

### Description

1. Get introducer information
2. Endpoint: /cb/odata/services/onlinesavingservice/GetIntroducerInfo?DaoNo=%27**ValueDaoNumber**%27
3. Http Method: GET
4. ChannelType: Mobile
5. Accept: application/json
6. Request sample:

DaoNo: '2111'

1. Responses sample:

{

"d": {

"\_\_metadata": {

"id": "https://s149.online.vpbank.com.vn:8080/cb/odata/services/onlinesavingservice/GetIntroducerInfoResults('2111')",

"uri": "https://s149.online.vpbank.com.vn:8080/cb/odata/services/onlinesavingservice/GetIntroducerInfoResults('2111')",

"type": "com.sap.banking.custom.onlinesaving.endpoint.v1\_0.beans.GetIntroducerInfoResult"

},

"DaoNo": "2111",

"DaoName": "PHAM VIET CUONG",

"BranchNo": "",

"BranchName": "NBU - Bo phan PVKH Chung"

}

}

### Business rules

1. Customer sign in successful.
2. Customer have enough money in current account to open online saving.

### Integration Specification

**Request message**

| **No.** | **NAME** | **TYPE** | **REQ** | **DESCRIPTION** | **REMARKS** |
| --- | --- | --- | --- | --- | --- |
|  | DaoNo | String |  | Number of Introducer | "2111" |

**Response message**

| **No.** | **NAME** | **TYPE** | **REQ** | **DESCRIPTION** | **REMARKS** |
| --- | --- | --- | --- | --- | --- |
| 1. | DaoNo | String |  | Number of Introducer | "2111" |
| 2. | DaoName | String |  | Name of Introducer | "PHAM VIET CUONG" |
| 3. | BranchNo | String |  | Branch Number |  |
| 4. | BranchName | String |  | Name of Branch | "NBU - Bo phan PVKH Chung" |

## OnlineSavings?action=verify Service

### Description

1. Get online savings verify information
2. Endpoint: /cb/odata/services/onlinesavingservice/OnlineSavings?action=verify
3. Http Method: POST
4. ChannelType: Mobile
5. Accept: application/json
6. Request sample:

{

"\_\_metadata": {

"id": "https://s149.online.vpbank.com.vn:8080/cb/odata/services/onlinesavingservice/OnlineSavings('50154563763561700')",

"uri": "https://s149.online.vpbank.com.vn:8080/cb/odata/services/onlinesavingservice/OnlineSavings('50154563763561700')",

"type": "com.sap.banking.custom.onlinesaving.endpoint.v1\_0.beans.OnlineSaving"

},

"Id": "50154563763561700",

"Number": null,

"NumberMasked": null,

"BankID": null,

"BankName": null,

"NickName": “NICK\_NAME”,

"Type": "Unknown",

"Status": "0",

"CurrencyCode": "VND",

"TrackingID": null,

"AccountGroup": "0",

"PrimaryAccount": null,

"CoreAccount": null,

"RoutingNum": null,

"LocationID": null,

"AccountDisplayText": null,

"PriorDayBalance": null,

"CurrentBalance": null,

"AvailableBalance": null,

"Favorite": false,

"BRANCHNO": null,

"OPENDATE": null,

"BRANCHNAME": null,

"AVARAGEBALANCEPERMONTH": null,

"OVERDRAFTLIMIT": null,

"BALANCE": null,

"BANKNO": null,

"ACCOUNTTYPE": "1",

"ACCOUNTNUMBER": null,

"CURRENCY": null,

"INTERESTRATE": null,

"ECOMMERCESTATUS": null,

"MATURITYDATE": null,

"ACCRUEDINTEREST": null,

"TENOR": null,

"APPROVEDAMOUNT": null,

"TERMLOAN": null,

"OUTSTANDINGAMOUNT": null,

"INTERESTFORTHISPERIOD": null,

"PRINCIPALFORTHISPERIOD": null,

"THETOTALAMOUNTDUE": null,

"NEXTPRINCIPALPAYMENTDATE": null,

"NEXTINTERESTPAYMENTDATE": null,

"THETOTALOVERDUEPAYABLEAMOUNT": null,

"OVERDUEPRINCIPAL": null,

"PENALTYINTEREST": null,

"CONTRACTNUMBER": null,

"CURRENCYTYPE": null,

"CREDITLIMIT": null,

"CARDSTATUS": null,

"CARDTYPE": null,

"OUTSTANDINGBALANCE": null,

"STATEMENTBALANCE": null,

"SUMOFOUTSTANDINGAMOUNT": null,

"BLOCKEDAMOUNT": null,

"AVAILABLEAMOUNT": null,

"CARDNUMBER": null,

"MINIMUM\_PAYMENT\_DUE": null,

"PRODUCTID": null,

"CITYNAME": null,

"CITYID": null,

"BRANCHID": null,

"ACCOUNTNAME": null,

"ACCOUNT\_STATUS": null,

"STATEMENT\_TERM": null,

"PRODUCTNAME": null,

"STATEMENTDAY": null,

"SML\_BANK\_ID": null,

"AUTO\_INACTIVE": null,

"OWNERSHIP": null,

"ECOMNICKNAME": null,

"ACCDETAILAVAILABLEBALANCE": null,

"ACCDETAILCURRENTBALANCE": null,

"LINKACCOUNT": null,

"PISACCOUNT": null,

"ISTD6017": null,

"ACCOUNT\_TYPE\_T24": null,

"CCCASHLIMIT": null,

"CCCASHFEE": null,

"CCCASHFEEMIN": null,

"CCBRANHCODE": null,

"PRIMARYACCTHOLDER": null,

"CARD\_TYPE": null,

"VALIDTHROUGH": null,

"CARDTYPENAME": null,

"CONTRACT\_STATUS": null,

"PRODUCT\_STATUS": null,

"PRODUCTCODE": null,

"OVERDRAFTLIMITREF": null,

"WORKINGBALANCE": null,

"LINK\_ACC\_NO": null,

"ISLINKDEBITCARD": null,

"LinkedDebitCards": null,

"DCLINKACCOUNTS": null,

"FromAccountID": "ZW5je2JmYjE3NTk0OGZjYzFhODNhMGJjYmIwZjg2YjM1ZTdjfQ",

"DestinationAccountID": "ZW5je2JmYjE3NTk0OGZjYzFhODNhMGJjYmIwZjg2YjM1ZTdjfQ",

"FromAccountName": null,

"DestinationAccountName": null,

"BranchNo": null,

"OpenDate": null,

"ValueDate": "\/Date(1523293200000)\/",

"CloseDate": null,

"PrincipleAmount": "13000000",

"InterestAmount": null,

"InterestRate": "6.7",

"Tenor": "9M",

"TermName": "9 Month(s)",

"Id1": "50154563763561700",

"Id2": "50154563763561701",

"Id3": "50154563763561702",

"StatusAccount1": null,

"StatusAccount2": null,

"StatusAccount3": null,

"InterestRate1": "6.7",

"InterestRate2": null,

"InterestRate3": null,

"Tenor1": "9M",

"Tenor2": null,

"Tenor3": null,

"TermName1": "9 Month(s)",

"TermName2": null,

"TermName3": null,

"PrincipleAmount1": "13000000",

"NumbersAccountChoise": "1",

"ValueDate1": "\/Date(1523293200000)\/",

"MaturityDate1": "\/Date(1547053200000)\/",

"ValueDate2": "\/Date(1523293200000)\/",

"ValueDate3": "\/Date(1523293200000)\/",

"FrequencyName": null,

"MaturityDate": "\/Date(1547053200000)\/",

"MaturityMethod": "1",

"MaturityMethodName": "Automatic roll of principal and interest",

"EmployeeDAO": "2111",

"isIB": null,

"PromotionCode": null,

"AmountInWords": null,

"AmountInWords1": null,

"AmountInWords2": null,

"AmountInWords3": null,

"ESBFTRefrenceNumber": null,

"ErrorCode": null,

"ErrorDescription": null,

"IntroducerCIF": null,

"AccountTypeID": "1",

"AccountTypeName": null,

"MATURITY\_METHOD\_VALUE": "[{\"id\":1,\"label\":\" Roll over automatically\"},{\"id\":2,\"label\":\" Settle automatically\"}]",

"MATURITYDATESTR": null,

"CifName": null,

"MaximumLimit": null,

"OverdraftInterestRate": null,

"IntAmountPaidBeforeTerm": null,

"AmountEndTerm": null,

"LostAmount": null,

"InterestKKH": null,

"BranchName": "NBU - Bo phan PVKH Chung",

"ActionType": null,

"OldMaturityMethod": null,

"OldMaturityMethodName": null,

"EvoucherCode": null,

"VoucherRate": null,

"BaseRate": "6.70",

"FromAccount": {

"\_\_metadata": {

"id": "https://s149.online.vpbank.com.vn:8080/cb/odata/services/onlinesavingservice/Accounts('ZW5je2JmYjE3NTk0OGZjYzFhODNhMGJjYmIwZjg2YjM1ZTdjfQ')",

"uri": "https://s149.online.vpbank.com.vn:8080/cb/odata/services/onlinesavingservice/Accounts('ZW5je2JmYjE3NTk0OGZjYzFhODNhMGJjYmIwZjg2YjM1ZTdjfQ')",

"type": "com.sap.banking.common.endpoint.v1\_0.beans.Account"

},

"Id": "ZW5je2JmYjE3NTk0OGZjYzFhODNhMGJjYmIwZjg2YjM1ZTdjfQ",

"Number": "139403568",

"NumberMasked": "XXXXX3568",

"BankID": "1000",

"BankName": null,

"NickName": "Tài khoản thanh toán",

"Type": "NORMALACCOUNT",

"Status": "PENDING",

"CurrencyCode": "VND",

"TrackingID": null,

"AccountGroup": "DEPOSIT",

"PrimaryAccount": null,

"CoreAccount": "1",

"RoutingNum": "660110110",

"LocationID": null,

"AccountDisplayText": "Tài khoản thanh toán - 139403568 Bal. ₫99,824,001,326",

"PriorDayBalance": "99824001326",

"CurrentBalance": "99824001326",

"AvailableBalance": "99824001326",

"Favorite": false,

"BRANCHNO": "VN0010106",

"OPENDATE": null,

"BRANCHNAME": null,

"AVARAGEBALANCEPERMONTH": null,

"OVERDRAFTLIMIT": null,

"BALANCE": null,

"BANKNO": null,

"ACCOUNTTYPE": null,

"ACCOUNTNUMBER": null,

"CURRENCY": "VND",

"INTERESTRATE": null,

"ECOMMERCESTATUS": null,

"MATURITYDATE": null,

"ACCRUEDINTEREST": null,

"TENOR": null,

"APPROVEDAMOUNT": null,

"TERMLOAN": null,

"OUTSTANDINGAMOUNT": null,

"INTERESTFORTHISPERIOD": null,

"PRINCIPALFORTHISPERIOD": null,

"THETOTALAMOUNTDUE": null,

"NEXTPRINCIPALPAYMENTDATE": null,

"NEXTINTERESTPAYMENTDATE": null,

"THETOTALOVERDUEPAYABLEAMOUNT": null,

"OVERDUEPRINCIPAL": null,

"PENALTYINTEREST": null,

"CONTRACTNUMBER": null,

"CURRENCYTYPE": null,

"CREDITLIMIT": null,

"CARDSTATUS": null,

"CARDTYPE": null,

"OUTSTANDINGBALANCE": null,

"STATEMENTBALANCE": null,

"SUMOFOUTSTANDINGAMOUNT": null,

"BLOCKEDAMOUNT": null,

"AVAILABLEAMOUNT": null,

"CARDNUMBER": null,

"MINIMUM\_PAYMENT\_DUE": null,

"PRODUCTID": "1001",

"CITYNAME": null,

"CITYID": null,

"BRANCHID": null,

"ACCOUNTNAME": null,

"ACCOUNT\_STATUS": "ACTIVE",

"STATEMENT\_TERM": null,

"PRODUCTNAME": null,

"STATEMENTDAY": null,

"SML\_BANK\_ID": null,

"AUTO\_INACTIVE": null,

"OWNERSHIP": null,

"ECOMNICKNAME": null,

"ACCDETAILAVAILABLEBALANCE": null,

"ACCDETAILCURRENTBALANCE": null,

"LINKACCOUNT": null,

"PISACCOUNT": null,

"ISTD6017": false,

"ACCOUNT\_TYPE\_T24": "AC",

"CCCASHLIMIT": null,

"CCCASHFEE": null,

"CCCASHFEEMIN": null,

"CCBRANHCODE": null,

"PRIMARYACCTHOLDER": null,

"CARD\_TYPE": null,

"VALIDTHROUGH": null,

"CARDTYPENAME": null,

"CONTRACT\_STATUS": null,

"PRODUCT\_STATUS": null,

"PRODUCTCODE": "011001",

"OVERDRAFTLIMITREF": "",

"WORKINGBALANCE": "99824001326",

"LINK\_ACC\_NO": "",

"ISLINKDEBITCARD": "",

"LinkedDebitCards": null,

"DCLINKACCOUNTS": null

},

"DestinationAccount": {

"\_\_metadata": {

"id": "https://s149.online.vpbank.com.vn:8080/cb/odata/services/onlinesavingservice/Accounts('ZW5je2JmYjE3NTk0OGZjYzFhODNhMGJjYmIwZjg2YjM1ZTdjfQ')",

"uri": "https://s149.online.vpbank.com.vn:8080/cb/odata/services/onlinesavingservice/Accounts('ZW5je2JmYjE3NTk0OGZjYzFhODNhMGJjYmIwZjg2YjM1ZTdjfQ')",

"type": "com.sap.banking.common.endpoint.v1\_0.beans.Account"

},

"Id": "ZW5je2JmYjE3NTk0OGZjYzFhODNhMGJjYmIwZjg2YjM1ZTdjfQ",

"Number": "139403568",

"NumberMasked": "XXXXX3568",

"BankID": "1000",

"BankName": null,

"NickName": "Tài khoản thanh toán",

"Type": "NORMALACCOUNT",

"Status": "PENDING",

"CurrencyCode": "VND",

"TrackingID": null,

"AccountGroup": "DEPOSIT",

"PrimaryAccount": null,

"CoreAccount": "1",

"RoutingNum": "660110110",

"LocationID": null,

"AccountDisplayText": "Tài khoản thanh toán - 139403568 Bal. ₫99,824,001,326",

"PriorDayBalance": "99824001326",

"CurrentBalance": "99824001326",

"AvailableBalance": "99824001326",

"Favorite": false,

"BRANCHNO": "VN0010106",

"OPENDATE": null,

"BRANCHNAME": null,

"AVARAGEBALANCEPERMONTH": null,

"OVERDRAFTLIMIT": null,

"BALANCE": null,

"BANKNO": null,

"ACCOUNTTYPE": null,

"ACCOUNTNUMBER": null,

"CURRENCY": "VND",

"INTERESTRATE": null,

"ECOMMERCESTATUS": null,

"MATURITYDATE": null,

"ACCRUEDINTEREST": null,

"TENOR": null,

"APPROVEDAMOUNT": null,

"TERMLOAN": null,

"OUTSTANDINGAMOUNT": null,

"INTERESTFORTHISPERIOD": null,

"PRINCIPALFORTHISPERIOD": null,

"THETOTALAMOUNTDUE": null,

"NEXTPRINCIPALPAYMENTDATE": null,

"NEXTINTERESTPAYMENTDATE": null,

"THETOTALOVERDUEPAYABLEAMOUNT": null,

"OVERDUEPRINCIPAL": null,

"PENALTYINTEREST": null,

"CONTRACTNUMBER": null,

"CURRENCYTYPE": null,

"CREDITLIMIT": null,

"CARDSTATUS": null,

"CARDTYPE": null,

"OUTSTANDINGBALANCE": null,

"STATEMENTBALANCE": null,

"SUMOFOUTSTANDINGAMOUNT": null,

"BLOCKEDAMOUNT": null,

"AVAILABLEAMOUNT": null,

"CARDNUMBER": null,

"MINIMUM\_PAYMENT\_DUE": null,

"PRODUCTID": "1001",

"CITYNAME": null,

"CITYID": null,

"BRANCHID": null,

"ACCOUNTNAME": null,

"ACCOUNT\_STATUS": "ACTIVE",

"STATEMENT\_TERM": null,

"PRODUCTNAME": null,

"STATEMENTDAY": null,

"SML\_BANK\_ID": null,

"AUTO\_INACTIVE": null,

"OWNERSHIP": null,

"ECOMNICKNAME": null,

"ACCDETAILAVAILABLEBALANCE": null,

"ACCDETAILCURRENTBALANCE": null,

"LINKACCOUNT": null,

"PISACCOUNT": null,

"ISTD6017": false,

"ACCOUNT\_TYPE\_T24": "AC",

"CCCASHLIMIT": null,

"CCCASHFEE": null,

"CCCASHFEEMIN": null,

"CCBRANHCODE": null,

"PRIMARYACCTHOLDER": null,

"CARD\_TYPE": null,

"VALIDTHROUGH": null,

"CARDTYPENAME": null,

"CONTRACT\_STATUS": null,

"PRODUCT\_STATUS": null,

"PRODUCTCODE": "011001",

"OVERDRAFTLIMITREF": "",

"WORKINGBALANCE": "99824001326",

"LINK\_ACC\_NO": "",

"ISLINKDEBITCARD": "",

"LinkedDebitCards": null,

"DCLINKACCOUNTS": null

},

"SavingAccountType": {

"\_\_metadata": {

"id": "https://s149.online.vpbank.com.vn:8080/cb/odata/services/onlinesavingservice/OnlineSavingAccountTypes(1)",

"uri": "https://s149.online.vpbank.com.vn:8080/cb/odata/services/onlinesavingservice/OnlineSavingAccountTypes(1)",

"type": "com.sap.banking.custom.onlinesaving.endpoint.v1\_0.beans.OnlineSavingAccountType"

},

"Account\_Type\_ID": 1,

"Name\_EN": "Normal savings",

"Name\_VN": "Tiết kiệm thường trực tuyến",

"Periodic": null,

"Tandc\_Link": null,

"Status": "0"

},

"SavingProduct": {

"\_\_deferred": {

"uri": "https://s149.online.vpbank.com.vn:8080/cb/odata/services/onlinesavingservice/OnlineSavings('50154563763561700')/SavingProduct"

}

},

"SavingRate": {

"\_\_metadata": {

"id": "https://s149.online.vpbank.com.vn:8080/cb/odata/services/onlinesavingservice/OnlineSavingRates(Account\_Type\_ID=1,Currency='VND',Term='9M',Product\_ID='6603',Product\_Code='01TD6001',Amount\_Min=1000000M,Amount\_Max=99999999M)",

"uri": "https://s149.online.vpbank.com.vn:8080/cb/odata/services/onlinesavingservice/OnlineSavingRates(Account\_Type\_ID=1,Currency='VND',Term='9M',Product\_ID='6603',Product\_Code='01TD6001',Amount\_Min=1000000M,Amount\_Max=99999999M)",

"type": "com.sap.banking.custom.onlinesaving.endpoint.v1\_0.beans.OnlineSavingRate"

},

"Account\_Type\_ID": 1,

"Currency": "VND",

"Product\_ID": "6603",

"Product\_Code": "01TD6001",

"Term": "9M",

"Rate": "6.7",

"Date": null,

"Amount\_Min": "1000000",

"Amount\_Max": "99999999",

"TERM\_LABEL": "Month(s)",

"LIST\_RATE\_PRODUCT": null,

"RateCeilingEnc": "",

"BaseRateEnc": "b45132f4c498193a",

"BaseRate": "6.70"

},

"SavingRate1": {

"\_\_metadata": {

"id": "https://s149.online.vpbank.com.vn:8080/cb/odata/services/onlinesavingservice/OnlineSavingRates(Account\_Type\_ID=1,Currency='VND',Term='9M',Product\_ID='6603',Product\_Code='01TD6001',Amount\_Min=1000000M,Amount\_Max=99999999M)",

"uri": "https://s149.online.vpbank.com.vn:8080/cb/odata/services/onlinesavingservice/OnlineSavingRates(Account\_Type\_ID=1,Currency='VND',Term='9M',Product\_ID='6603',Product\_Code='01TD6001',Amount\_Min=1000000M,Amount\_Max=99999999M)",

"type": "com.sap.banking.custom.onlinesaving.endpoint.v1\_0.beans.OnlineSavingRate"

},

"Account\_Type\_ID": 1,

"Currency": "VND",

"Product\_ID": "6603",

"Product\_Code": "01TD6001",

"Term": "9M",

"Rate": "6.7",

"Date": null,

"Amount\_Min": "1000000",

"Amount\_Max": "99999999",

"TERM\_LABEL": "Month(s)",

"LIST\_RATE\_PRODUCT": null,

"RateCeilingEnc": "",

"BaseRateEnc": "b45132f4c498193a",

"BaseRate": "6.70"

},

"SavingRate2": {

"\_\_deferred": {

"uri": "https://s149.online.vpbank.com.vn:8080/cb/odata/services/onlinesavingservice/OnlineSavings('50154563763561700')/SavingRate2"

}

},

"SavingRate3": {

"\_\_deferred": {

"uri": "https://s149.online.vpbank.com.vn:8080/cb/odata/services/onlinesavingservice/OnlineSavings('50154563763561700')/SavingRate3"

}

}

}

1. Responses sample:

{

"d": {

"\_\_metadata": {

"id": "https://s149.online.vpbank.com.vn:8080/cb/odata/services/onlinesavingservice/OnlineSavings('50154563763561700')",

"uri": "https://s149.online.vpbank.com.vn:8080/cb/odata/services/onlinesavingservice/OnlineSavings('50154563763561700')",

"type": "com.sap.banking.custom.onlinesaving.endpoint.v1\_0.beans.OnlineSaving"

},

"Id": "50154563763561700",

"Number": null,

"NumberMasked": null,

"BankID": null,

"BankName": null,

"NickName": “NICK\_NAME”,

"Type": "Unknown",

"Status": "0",

"CurrencyCode": "VND",

"TrackingID": null,

"AccountGroup": "0",

"PrimaryAccount": null,

"CoreAccount": null,

"RoutingNum": null,

"LocationID": null,

"AccountDisplayText": null,

"PriorDayBalance": null,

"CurrentBalance": null,

"AvailableBalance": null,

"Favorite": false,

"BRANCHNO": null,

"OPENDATE": null,

"BRANCHNAME": "VPBank SÀI GÒN",

"AVARAGEBALANCEPERMONTH": null,

"OVERDRAFTLIMIT": null,

"BALANCE": null,

"BANKNO": null,

"ACCOUNTTYPE": "1",

"ACCOUNTNUMBER": null,

"CURRENCY": null,

"INTERESTRATE": null,

"ECOMMERCESTATUS": null,

"MATURITYDATE": null,

"ACCRUEDINTEREST": null,

"TENOR": null,

"APPROVEDAMOUNT": null,

"TERMLOAN": null,

"OUTSTANDINGAMOUNT": null,

"INTERESTFORTHISPERIOD": null,

"PRINCIPALFORTHISPERIOD": null,

"THETOTALAMOUNTDUE": null,

"NEXTPRINCIPALPAYMENTDATE": null,

"NEXTINTERESTPAYMENTDATE": null,

"THETOTALOVERDUEPAYABLEAMOUNT": null,

"OVERDUEPRINCIPAL": null,

"PENALTYINTEREST": null,

"CONTRACTNUMBER": null,

"CURRENCYTYPE": null,

"CREDITLIMIT": null,

"CARDSTATUS": null,

"CARDTYPE": null,

"OUTSTANDINGBALANCE": null,

"STATEMENTBALANCE": null,

"SUMOFOUTSTANDINGAMOUNT": null,

"BLOCKEDAMOUNT": null,

"AVAILABLEAMOUNT": null,

"CARDNUMBER": null,

"MINIMUM\_PAYMENT\_DUE": null,

"PRODUCTID": null,

"CITYNAME": null,

"CITYID": null,

"BRANCHID": null,

"ACCOUNTNAME": null,

"ACCOUNT\_STATUS": null,

"STATEMENT\_TERM": null,

"PRODUCTNAME": null,

"STATEMENTDAY": null,

"SML\_BANK\_ID": null,

"AUTO\_INACTIVE": null,

"OWNERSHIP": null,

"ECOMNICKNAME": null,

"ACCDETAILAVAILABLEBALANCE": null,

"ACCDETAILCURRENTBALANCE": null,

"LINKACCOUNT": null,

"PISACCOUNT": null,

"ISTD6017": null,

"ACCOUNT\_TYPE\_T24": null,

"CCCASHLIMIT": null,

"CCCASHFEE": null,

"CCCASHFEEMIN": null,

"CCBRANHCODE": null,

"PRIMARYACCTHOLDER": null,

"CARD\_TYPE": null,

"VALIDTHROUGH": null,

"CARDTYPENAME": null,

"CONTRACT\_STATUS": null,

"PRODUCT\_STATUS": null,

"PRODUCTCODE": null,

"OVERDRAFTLIMITREF": null,

"WORKINGBALANCE": null,

"LINK\_ACC\_NO": null,

"ISLINKDEBITCARD": null,

"LinkedDebitCards": null,

"DCLINKACCOUNTS": null,

"FromAccountID": "ZW5je2JmYjE3NTk0OGZjYzFhODNhMGJjYmIwZjg2YjM1ZTdjfQ",

"DestinationAccountID": "ZW5je2JmYjE3NTk0OGZjYzFhODNhMGJjYmIwZjg2YjM1ZTdjfQ",

"FromAccountName": "Tài khoản thanh toán - 139403568 Bal. ₫99,824,001,326",

"DestinationAccountName": "Tài khoản thanh toán - 139403568 Bal. ₫99,824,001,326",

"BranchNo": null,

"OpenDate": null,

"ValueDate": "\/Date(1523293200000)\/",

"CloseDate": null,

"PrincipleAmount": "13000000",

"InterestAmount": null,

"InterestRate": "6.7",

"Tenor": "9M",

"TermName": "9 Month(s)",

"Id1": "50154563763561700",

"Id2": "50154563763561701",

"Id3": "50154563763561702",

"StatusAccount1": null,

"StatusAccount2": null,

"StatusAccount3": null,

"InterestRate1": "6.7",

"InterestRate2": null,

"InterestRate3": null,

"Tenor1": "9M",

"Tenor2": null,

"Tenor3": null,

"TermName1": "9 Month(s)",

"TermName2": null,

"TermName3": null,

"PrincipleAmount1": "13000000",

"PrincipleAmount2": null,

"PrincipleAmount3": null,

"NumbersAccountChoise": "1",

"ValueDate1": "\/Date(1523293200000)\/",

"MaturityDate1": "\/Date(1547053200000)\/",

"ValueDate2": "\/Date(1523293200000)\/",

"MaturityDate2": null,

"ValueDate3": "\/Date(1523293200000)\/",

"MaturityDate3": null,

"FrequencyName": null,

"MaturityDate": "\/Date(1547053200000)\/",

"MaturityMethod": "1",

"MaturityMethodName": "Automatic roll of principal and interest",

"EmployeeDAO": "2111",

"isIB": null,

"PromotionCode": null,

"AmountInWords": "Thirteen Millions Vietnam Dong",

"AmountInWords1": "Thirteen Millions Vietnam Dong",

"AmountInWords2": " Vietnam Dong",

"AmountInWords3": " Vietnam Dong",

"ESBFTRefrenceNumber": null,

"ErrorCode": null,

"ErrorDescription": null,

"IntroducerCIF": null,

"AccountTypeID": "1",

"AccountTypeName": null,

"MATURITY\_METHOD\_VALUE": "[{\"id\":1,\"label\":\" Roll over automatically\"},{\"id\":2,\"label\":\" Settle automatically\"}]",

"MATURITYDATESTR": null,

"CifName": null,

"MaximumLimit": null,

"OverdraftInterestRate": null,

"IntAmountPaidBeforeTerm": null,

"AmountEndTerm": null,

"LostAmount": null,

"InterestKKH": null,

"BranchName": "VPBank SÀI GÒN",

"ActionType": null,

"OldMaturityMethod": null,

"OldMaturityMethodName": null,

"EvoucherCode": null,

"VoucherRate": "0",

"BaseRate": "6.7",

"FromAccount": {

"\_\_deferred": {

"uri": " https://s149.online.vpbank.com.vn:8080/cb/odata/services/onlinesavingservice/OnlineSavings('50154563763561700')/FromAccount"

}

},

"DestinationAccount": {

"\_\_deferred": {

"uri": " https://s149.online.vpbank.com.vn:8080/cb/odata/services/onlinesavingservice/OnlineSavings('50154563763561700')/DestinationAccount"

}

},

"SavingAccountType": {

"\_\_deferred": {

"uri": " https://s149.online.vpbank.com.vn:8080/cb/odata/services/onlinesavingservice/OnlineSavings('50154563763561700')/SavingAccountType"

}

},

"SavingProduct": {

"\_\_deferred": {

"uri": "https://s149.online.vpbank.com.vn:8080/cb/odata/services/onlinesavingservice/OnlineSavings('50154563763561700')/SavingProduct"

}

},

"SavingRate": {

"\_\_deferred": {

"uri": "https://s149.online.vpbank.com.vn:8080/cb/odata/services/onlinesavingservice/OnlineSavings('50154563763561700')/SavingRate"

}

},

"SavingRate1": {

"\_\_deferred": {

"uri": "https://s149.online.vpbank.com.vn:8080/cb/odata/services/onlinesavingservice/OnlineSavings('50154563763561700')/SavingRate1"

}

},

"SavingRate2": {

"\_\_deferred": {

"uri": "https://s149.online.vpbank.com.vn:8080/cb/odata/services/onlinesavingservice/OnlineSavings('50154563763561700')/SavingRate2"

}

},

"SavingRate3": {

"\_\_deferred": {

"uri": " https://s149.online.vpbank.com.vn:8080/cb/odata/services/onlinesavingservice/OnlineSavings('50154563763561700')/SavingRate3"

}

}

}

}

### Business rules

1. Customer sign in successful.
2. Customer have enough money in current account to open online saving.

### Integration Specification

**Request message**

| **No.** | **NAME** | **TYPE** | **REQ** | **DESCRIPTION** | **REMARKS** |
| --- | --- | --- | --- | --- | --- |
|  | Id | String |  | Online saving ref. | "50154563763561700" |
|  | Number | String |  | Unique identifier (per bank) for the customers account. (Not yet hashed) | "null" |
|  | NumberMasked | String |  | Unique identifier (per bank) for the customers account. (Masked) | "null" |
|  | BankID | String |  | ID of the Service Bureau this affiliate bank belongs to. | "null" |
|  | BankName | String |  |  | "null" |
|  | NickName | String |  | User assigned name for account that is more ‘friendly’. | “NICK\_NAME” |
|  | Type | String |  | Account type.  Example: NORMALACCOUNT, VPSTAFFACCOUNT, ONLINEEASYSAVING, … | "Unknown" |
|  | Status | String |  | Not in use (default “PENDING”) | "0" |
|  | CurrencyCode | String |  | Currency type the account should use. | "VND" |
|  | TrackingID | String |  |  | "null" |
|  | AccountGroup | String |  | Account group identifier | "0" |
|  | PrimaryAccount | String |  |  | "null" |
|  | CoreAccount | String |  | Flag to determine if this account is the user’s core account. Valid values are:  1: same CIF  2: different CIF | "null" |
|  | RoutingNum | String |  | Account routing number is an identification of a bank. | "null" |
|  | LocationID | String |  |  | "null" |
|  | AccountDisplayText | String |  |  | "null" |
|  | PriorDayBalance | String |  |  | "null" |
|  | CurrentBalance | String |  |  | "null" |
|  | AvailableBalance | String |  |  | "null" |
|  | Favorite | String |  | true: Favorite, false: Not favorite | "false" |
|  | BRANCHNO | String |  |  | "null" |
|  | OPENDATE | String |  |  | "null" |
|  | BRANCHNAME | String |  | Name of branch holding the account | "null" |
|  | AVARAGEBALANCEPERMONTH | String |  |  | "null" |
|  | OVERDRAFTLIMIT | String |  |  | "null" |
|  | BALANCE | String |  |  | "null" |
|  | BANKNO | String |  |  | "null" |
|  | ACCOUNTTYPE | String |  |  | "1" |
|  | ACCOUNTNUMBER | String |  |  | "null" |
|  | CURRENCY | String |  |  | "null" |
|  | INTERESTRATE | String |  |  | "null" |
|  | ECOMMERCESTATUS | String |  |  | "null" |
|  | MATURITYDATE | String |  |  | "null" |
|  | ACCRUEDINTEREST | String |  |  | "null" |
|  | TENOR | String |  |  | "null" |
|  | APPROVEDAMOUNT | String |  |  | "null" |
|  | TERMLOAN | String |  |  | "null" |
|  | OUTSTANDINGAMOUNT | String |  |  | "null" |
|  | INTERESTFORTHISPERIOD | String |  |  | "null" |
|  | PRINCIPALFORTHISPERIOD | String |  |  | "null" |
|  | THETOTALAMOUNTDUE | String |  |  | "null" |
|  | NEXTPRINCIPALPAYMENTDATE | String |  |  | "null" |
|  | NEXTINTERESTPAYMENTDATE | String |  |  | "null" |
|  | THETOTALOVERDUEPAYABLEAMOUNT | String |  |  | "null" |
|  | OVERDUEPRINCIPAL | String |  |  | "null" |
|  | PENALTYINTEREST | String |  |  | "null" |
|  | CONTRACTNUMBER | String |  |  | "null" |
|  | CURRENCYTYPE | String |  |  | "null" |
|  | CREDITLIMIT | String |  |  | "null" |
|  | CARDSTATUS | String |  |  | "null" |
|  | CARDTYPE | String |  |  | "null" |
|  | OUTSTANDINGBALANCE | String |  |  | "null" |
|  | STATEMENTBALANCE | String |  |  | "null" |
|  | SUMOFOUTSTANDINGAMOUNT | String |  |  | "null" |
|  | BLOCKEDAMOUNT | String |  |  | "null" |
|  | AVAILABLEAMOUNT | String |  |  | "null" |
|  | CARDNUMBER | String |  |  | "null" |
|  | MINIMUM\_PAYMENT\_DUE | String |  |  | "null" |
|  | PRODUCTID | String |  |  | "null" |
|  | CITYNAME | String |  |  | "null" |
|  | CITYID | String |  |  | "null" |
|  | BRANCHID | String |  |  | "null" |
|  | ACCOUNTNAME | String |  |  | "null" |
|  | ACCOUNT\_STATUS | String |  |  | "null" |
|  | STATEMENT\_TERM | String |  |  | "null" |
|  | PRODUCTNAME | String |  |  | "null" |
|  | STATEMENTDAY | String |  |  | "null" |
|  | SML\_BANK\_ID | String |  |  | "null" |
|  | AUTO\_INACTIVE | String |  |  | "null" |
|  | OWNERSHIP | String |  |  | "null" |
|  | ECOMNICKNAME | String |  |  | "null" |
|  | ACCDETAILAVAILABLEBALANCE | String |  |  | "null" |
|  | ACCDETAILCURRENTBALANCE | String |  |  | "null" |
|  | LINKACCOUNT | String |  |  | "null" |
|  | PISACCOUNT | String |  |  | "null" |
|  | ISTD6017 | String |  |  | "null" |
|  | ACCOUNT\_TYPE\_T24 | String |  |  | "null" |
|  | CCCASHLIMIT | String |  |  | "null" |
|  | CCCASHFEE | String |  |  | "null" |
|  | CCCASHFEEMIN | String |  |  | "null" |
|  | CCBRANHCODE | String |  |  | "null" |
|  | PRIMARYACCTHOLDER | String |  |  | "null" |
|  | CARD\_TYPE | String |  |  | "null" |
|  | VALIDTHROUGH | String |  |  | "null" |
|  | CARDTYPENAME | String |  |  | "null" |
|  | CONTRACT\_STATUS | String |  |  | "null" |
|  | PRODUCT\_STATUS | String |  |  | "null" |
|  | PRODUCTCODE | String |  |  | "null" |
|  | OVERDRAFTLIMITREF | String |  |  | "null" |
|  | WORKINGBALANCE | String |  |  | "null" |
|  | LINK\_ACC\_NO | String |  |  | "null" |
|  | ISLINKDEBITCARD | String |  |  | "null" |
|  | LinkedDebitCards | String |  |  | "null" |
|  | DCLINKACCOUNTS | String |  |  | "null" |
|  | FromAccountID | String |  |  | "ZW5je2JmYjE3NTk0OGZjYzFhODNhMGJjYmIwZjg2YjM1ZTdjfQ" |
|  | DestinationAccountID | String |  |  | "ZW5je2JmYjE3NTk0OGZjYzFhODNhMGJjYmIwZjg2YjM1ZTdjfQ" |
|  | FromAccountName | String |  |  | "null" |
|  | DestinationAccountName | String |  |  | "null" |
|  | BranchNo | String |  |  | "null" |
|  | OpenDate | String |  |  | "null" |
|  | ValueDate | String |  |  | "/Date(1523293200000)/" |
|  | CloseDate | String |  |  | "null" |
|  | PrincipleAmount | String |  |  | "13000000" |
|  | InterestAmount | String |  |  | "null" |
|  | InterestRate | String |  |  | "6.7" |
|  | Tenor | String |  |  | "9M" |
|  | TermName | String |  |  | "9 Month(s)" |
|  | Id1 | String |  | Unique identifier | "50154563763561700" |
|  | Id2 | String |  | Unique identifier | "50154563763561701" |
|  | Id3 | String |  | Unique identifier | "50154563763561702" |
|  | StatusAccount1 | String |  |  | "null" |
|  | StatusAccount2 | String |  |  | "null" |
|  | StatusAccount3 | String |  |  | "null" |
|  | InterestRate1 | String |  |  | "6.7" |
|  | InterestRate2 | String |  |  | "null" |
|  | InterestRate3 | String |  |  | "null" |
|  | Tenor1 | String |  |  | "9M" |
|  | Tenor2 | String |  |  | "null" |
|  | Tenor3 | String |  |  | "null" |
|  | TermName1 | String |  |  | "9 Month(s)" |
|  | TermName2 | String |  |  | "null" |
|  | TermName3 | String |  |  | "null" |
|  | PrincipleAmount1 | String |  |  | "13000000" |
|  | NumbersAccountChoise | String |  |  | "1" |
|  | ValueDate1 | String |  |  | "/Date(1523293200000)/" |
|  | MaturityDate1 | String |  |  | "/Date(1547053200000)/" |
|  | ValueDate2 | String |  |  | "/Date(1523293200000)/" |
|  | ValueDate3 | String |  |  | "/Date(1523293200000)/" |
|  | FrequencyName | String |  |  | "null" |
|  | MaturityDate | String |  |  | "/Date(1547053200000)/" |
|  | MaturityMethod | String |  |  | "1" |
|  | MaturityMethodName | String |  |  | "Automatic roll of principal and interest" |
|  | EmployeeDAO | String |  |  | "2111" |
|  | isIB | String |  |  | "null" |
|  | PromotionCode | String |  | Promotion code | "null" |
|  | AmountInWords | String |  |  | "null" |
|  | AmountInWords1 | String |  |  | "null" |
|  | AmountInWords2 | String |  |  | "null" |
|  | AmountInWords3 | String |  |  | "null" |
|  | ESBFTRefrenceNumber | String |  |  | "null" |
|  | ErrorCode | String |  |  | "null" |
|  | ErrorDescription | String |  |  | "null" |
|  | IntroducerCIF | String |  |  | "null" |
|  | AccountTypeID | String |  |  | "1" |
|  | AccountTypeName | String |  |  | "null" |
|  | MATURITY\_METHOD\_VALUE | String |  | Maturity method information | "[{"id":1,"label":" Roll over automatically"},{"id":2,"label":" Settle automatically"}]" |
|  | MATURITYDATESTR | String |  |  | "null" |
|  | CifName | String |  |  | "null" |
|  | MaximumLimit | String |  |  | "null" |
|  | OverdraftInterestRate | String |  |  | "null" |
|  | IntAmountPaidBeforeTerm | String |  |  | "null" |
|  | AmountEndTerm | String |  |  | "null" |
|  | LostAmount | String |  |  | "null" |
|  | InterestKKH | String |  |  | "null" |
|  | BranchName | String |  |  | "NBU - Bo phan PVKH Chung" |
|  | ActionType | String |  |  | "null" |
|  | OldMaturityMethod | String |  |  | "null" |
|  | OldMaturityMethodName | String |  |  | "null" |
|  | EvoucherCode | String |  |  | "null" |
|  | VoucherRate | String |  |  | "null" |
|  | BaseRate | String |  |  | "6.70" |
|  | FromAccount | String |  | Source account |  |
|  | DestinationAccount | String |  | Destination account |  |
|  | SavingAccountType |  |  | Saving account type |  |
|  | SavingRate |  |  | Saving rate | "null" |
|  | SavingRate1 |  |  | Saving rate 1 | "null" |

**Response message**

| **No.** | **NAME** | **TYPE** | **REQ** | **DESCRIPTION** | **REMARKS** |
| --- | --- | --- | --- | --- | --- |
|  | Id | String |  | Online saving ref. | "50154563763561700" |
|  | Number | String |  | Unique identifier (per bank) for the customers account. (Not yet hashed) | "null" |
|  | NumberMasked | String |  | Unique identifier (per bank) for the customers account. (Masked) | "null" |
|  | BankID | String |  | ID of the Service Bureau this affiliate bank belongs to. | "null" |
|  | BankName | String |  |  | "null" |
|  | NickName | String |  | User assigned name for account that is more ‘friendly’. | “NICK\_NAME” |
|  | Type | String |  | Account type.  Example: NORMALACCOUNT, VPSTAFFACCOUNT, ONLINEEASYSAVING, … | "Unknown" |
|  | Status | String |  | Not in use (default “PENDING”) | "0" |
|  | CurrencyCode | String |  | Currency type the account should use. | "VND" |
|  | TrackingID | String |  |  | "null" |
|  | AccountGroup | String |  | Account group identifier | "0" |
|  | PrimaryAccount | String |  |  | "null" |
|  | CoreAccount | String |  | Flag to determine if this account is the user’s core account. Valid values are:  1: same CIF  2: different CIF | "null" |
|  | RoutingNum | String |  | Account routing number is an identification of a bank. | "null" |
|  | LocationID | String |  |  | "null" |
|  | AccountDisplayText | String |  |  | "null" |
|  | PriorDayBalance | String |  |  | "null" |
|  | CurrentBalance | String |  |  | "null" |
|  | AvailableBalance | String |  |  | "null" |
|  | Favorite | String |  | true: Favorite, false: Not favorite | "false" |
|  | BRANCHNO | String |  |  | "null" |
|  | OPENDATE | String |  |  | "null" |
|  | BRANCHNAME | String |  | Name of branch holding the account | "VPBank SÀI GÒN" |
|  | AVARAGEBALANCEPERMONTH | String |  |  | "null" |
|  | OVERDRAFTLIMIT | String |  |  | "null" |
|  | BALANCE | String |  |  | "null" |
|  | BANKNO | String |  |  | "null" |
|  | ACCOUNTTYPE | String |  |  | "1" |
|  | ACCOUNTNUMBER | String |  |  | "null" |
|  | CURRENCY | String |  |  | "null" |
|  | INTERESTRATE | String |  |  | "null" |
|  | ECOMMERCESTATUS | String |  |  | "null" |
|  | MATURITYDATE | String |  |  | "null" |
|  | ACCRUEDINTEREST | String |  |  | "null" |
|  | TENOR | String |  |  | "null" |
|  | APPROVEDAMOUNT | String |  |  | "null" |
|  | TERMLOAN | String |  |  | "null" |
|  | OUTSTANDINGAMOUNT | String |  |  | "null" |
|  | INTERESTFORTHISPERIOD | String |  |  | "null" |
|  | PRINCIPALFORTHISPERIOD | String |  |  | "null" |
|  | THETOTALAMOUNTDUE | String |  |  | "null" |
|  | NEXTPRINCIPALPAYMENTDATE | String |  |  | "null" |
|  | NEXTINTERESTPAYMENTDATE | String |  |  | "null" |
|  | THETOTALOVERDUEPAYABLEAMOUNT | String |  |  | "null" |
|  | OVERDUEPRINCIPAL | String |  |  | "null" |
|  | PENALTYINTEREST | String |  |  | "null" |
|  | CONTRACTNUMBER | String |  |  | "null" |
|  | CURRENCYTYPE | String |  |  | "null" |
|  | CREDITLIMIT | String |  |  | "null" |
|  | CARDSTATUS | String |  |  | "null" |
|  | CARDTYPE | String |  |  | "null" |
|  | OUTSTANDINGBALANCE | String |  |  | "null" |
|  | STATEMENTBALANCE | String |  |  | "null" |
|  | SUMOFOUTSTANDINGAMOUNT | String |  |  | "null" |
|  | BLOCKEDAMOUNT | String |  |  | "null" |
|  | AVAILABLEAMOUNT | String |  |  | "null" |
|  | CARDNUMBER | String |  |  | "null" |
|  | MINIMUM\_PAYMENT\_DUE | String |  |  | "null" |
|  | PRODUCTID | String |  |  | "null" |
|  | CITYNAME | String |  |  | "null" |
|  | CITYID | String |  |  | "null" |
|  | BRANCHID | String |  |  | "null" |
|  | ACCOUNTNAME | String |  |  | "null" |
|  | ACCOUNT\_STATUS | String |  |  | "null" |
|  | STATEMENT\_TERM | String |  |  | "null" |
|  | PRODUCTNAME | String |  |  | "null" |
|  | STATEMENTDAY | String |  |  | "null" |
|  | SML\_BANK\_ID | String |  |  | "null" |
|  | AUTO\_INACTIVE | String |  |  | "null" |
|  | OWNERSHIP | String |  |  | "null" |
|  | ECOMNICKNAME | String |  |  | "null" |
|  | ACCDETAILAVAILABLEBALANCE | String |  |  | "null" |
|  | ACCDETAILCURRENTBALANCE | String |  |  | "null" |
|  | LINKACCOUNT | String |  |  | "null" |
|  | PISACCOUNT | String |  |  | "null" |
|  | ISTD6017 | String |  |  | "null" |
|  | ACCOUNT\_TYPE\_T24 | String |  |  | "null" |
|  | CCCASHLIMIT | String |  |  | "null" |
|  | CCCASHFEE | String |  |  | "null" |
|  | CCCASHFEEMIN | String |  |  | "null" |
|  | CCBRANHCODE | String |  |  | "null" |
|  | PRIMARYACCTHOLDER | String |  |  | "null" |
|  | CARD\_TYPE | String |  |  | "null" |
|  | VALIDTHROUGH | String |  |  | "null" |
|  | CARDTYPENAME | String |  |  | "null" |
|  | CONTRACT\_STATUS | String |  |  | "null" |
|  | PRODUCT\_STATUS | String |  |  | "null" |
|  | PRODUCTCODE | String |  |  | "null" |
|  | OVERDRAFTLIMITREF | String |  |  | "null" |
|  | WORKINGBALANCE | String |  |  | "null" |
|  | LINK\_ACC\_NO | String |  |  | "null" |
|  | ISLINKDEBITCARD | String |  |  | "null" |
|  | LinkedDebitCards | String |  |  | "null" |
|  | DCLINKACCOUNTS | String |  |  | "null" |
|  | FromAccountID | String |  |  | "ZW5je2JmYjE3NTk0OGZjYzFhODNhMGJjYmIwZjg2YjM1ZTdjfQ" |
|  | DestinationAccountID | String |  |  | "ZW5je2JmYjE3NTk0OGZjYzFhODNhMGJjYmIwZjg2YjM1ZTdjfQ" |
|  | FromAccountName | String |  |  | "Tài khoản thanh toán - 139403568 Bal. ₫99,824,001,326" |
|  | DestinationAccountName | String |  |  | "Tài khoản thanh toán - 139403568 Bal. ₫99,824,001,326" |
|  | BranchNo | String |  |  | "null" |
|  | OpenDate | String |  |  | "null" |
|  | ValueDate | String |  |  | "/Date(1523293200000)/" |
|  | CloseDate | String |  |  | "null" |
|  | PrincipleAmount | String |  |  | "13000000" |
|  | InterestAmount | String |  |  | "null" |
|  | InterestRate | String |  |  | "6.7" |
|  | Tenor | String |  |  | "9M" |
|  | TermName | String |  |  | "9 Month(s)" |
|  | Id1 | String |  | Unique identifier | "50154563763561700" |
|  | Id2 | String |  | Unique identifier | "50154563763561701" |
|  | Id3 | String |  | Unique identifier | "50154563763561702" |
|  | StatusAccount1 | String |  |  | "null" |
|  | StatusAccount2 | String |  |  | "null" |
|  | StatusAccount3 | String |  |  | "null" |
|  | InterestRate1 | String |  |  | "6.7" |
|  | InterestRate2 | String |  |  | "null" |
|  | InterestRate3 | String |  |  | "null" |
|  | Tenor1 | String |  |  | "9M" |
|  | Tenor2 | String |  |  | "null" |
|  | Tenor3 | String |  |  | "null" |
|  | TermName1 | String |  |  | "9 Month(s)" |
|  | TermName2 | String |  |  | "null" |
|  | TermName3 | String |  |  | "null" |
|  | PrincipleAmount1 | String |  |  | "13000000" |
|  | PrincipleAmount2 | String |  |  | "null" |
|  | PrincipleAmount3 | String |  |  | "null" |
|  | NumbersAccountChoise | String |  |  | "1" |
|  | ValueDate1 | String |  |  | "/Date(1523293200000)/" |
|  | MaturityDate1 | String |  |  | "/Date(1547053200000)/" |
|  | ValueDate2 | String |  |  | "/Date(1523293200000)/" |
|  | MaturityDate2 | String |  |  | "null" |
|  | ValueDate3 | String |  |  | "/Date(1523293200000)/" |
|  | MaturityDate3 | String |  |  | "null" |
|  | FrequencyName | String |  |  | "null" |
|  | MaturityDate | String |  |  | "/Date(1547053200000)/" |
|  | MaturityMethod | String |  |  | "1" |
|  | MaturityMethodName | String |  |  | "Automatic roll of principal and interest" |
|  | EmployeeDAO | String |  |  | "2111" |
|  | isIB | String |  |  | "null" |
|  | PromotionCode | String |  |  | "null" |
|  | AmountInWords | String |  |  | "Thirteen Millions Vietnam Dong" |
|  | AmountInWords1 | String |  |  | "Thirteen Millions Vietnam Dong" |
|  | AmountInWords2 | String |  |  | " Vietnam Dong" |
|  | AmountInWords3 | String |  |  | " Vietnam Dong" |
|  | ESBFTRefrenceNumber | String |  |  | "null" |
|  | ErrorCode | String |  |  | "null" |
|  | ErrorDescription | String |  |  | "null" |
|  | IntroducerCIF | String |  |  | "null" |
|  | AccountTypeID | String |  |  | "1" |
|  | AccountTypeName | String |  |  | "null" |
|  | MATURITY\_METHOD\_VALUE | String |  | Maturity method information | "[{"id":1,"label":" Roll over automatically"},{"id":2,"label":" Settle automatically"}]" |
|  | MATURITYDATESTR | String |  |  | "null" |
|  | CifName | String |  |  | "null" |
|  | MaximumLimit | String |  |  | "null" |
|  | OverdraftInterestRate | String |  |  | "null" |
|  | IntAmountPaidBeforeTerm | String |  |  | "null" |
|  | AmountEndTerm | String |  |  | "null" |
|  | LostAmount | String |  |  | "null" |
|  | InterestKKH | String |  |  | "null" |
|  | BranchName | String |  |  | "VPBank SÀI GÒN" |
|  | ActionType | String |  |  | "null" |
|  | OldMaturityMethod | String |  |  | "null" |
|  | OldMaturityMethodName | String |  |  | "null" |
|  | EvoucherCode | String |  |  | "null" |
|  | VoucherRate | String |  |  | "0" |
|  | BaseRate | String |  |  | "6.7" |

## OnlineSavings?action=confirm Service

### Description

1. Get online savings confirm information
2. Endpoint: /cb/odata/services/onlinesavingservice/OnlineSavings?action=confirm
3. Http Method: POST
4. ChannelType: Mobile
5. Accept: application/json
6. Request sample:

{

"\_\_metadata": {

"id": "https://s149.online.vpbank.com.vn:8080/cb/odata/services/onlinesavingservice/OnlineSavings('50154563763561700')",

"uri": "https://s149.online.vpbank.com.vn:8080/cb/odata/services/onlinesavingservice/OnlineSavings('50154563763561700')",

"type": "com.sap.banking.custom.onlinesaving.endpoint.v1\_0.beans.OnlineSaving"

},

"Id": "50154563763561700",

"Number": null,

"NumberMasked": null,

"BankID": null,

"BankName": null,

"NickName": “NICK\_NAME”,

"Type": "Unknown",

"Status": "0",

"CurrencyCode": "VND",

"TrackingID": null,

"AccountGroup": "0",

"PrimaryAccount": null,

"CoreAccount": null,

"RoutingNum": null,

"LocationID": null,

"AccountDisplayText": null,

"PriorDayBalance": null,

"CurrentBalance": null,

"AvailableBalance": null,

"Favorite": false,

"BRANCHNO": null,

"OPENDATE": null,

"BRANCHNAME": "VPBank SÀI GÒN",

"AVARAGEBALANCEPERMONTH": null,

"OVERDRAFTLIMIT": null,

"BALANCE": null,

"BANKNO": null,

"ACCOUNTTYPE": "1",

"ACCOUNTNUMBER": null,

"CURRENCY": null,

"INTERESTRATE": null,

"ECOMMERCESTATUS": null,

"MATURITYDATE": null,

"ACCRUEDINTEREST": null,

"TENOR": null,

"APPROVEDAMOUNT": null,

"TERMLOAN": null,

"OUTSTANDINGAMOUNT": null,

"INTERESTFORTHISPERIOD": null,

"PRINCIPALFORTHISPERIOD": null,

"THETOTALAMOUNTDUE": null,

"NEXTPRINCIPALPAYMENTDATE": null,

"NEXTINTERESTPAYMENTDATE": null,

"THETOTALOVERDUEPAYABLEAMOUNT": null,

"OVERDUEPRINCIPAL": null,

"PENALTYINTEREST": null,

"CONTRACTNUMBER": null,

"CURRENCYTYPE": null,

"CREDITLIMIT": null,

"CARDSTATUS": null,

"CARDTYPE": null,

"OUTSTANDINGBALANCE": null,

"STATEMENTBALANCE": null,

"SUMOFOUTSTANDINGAMOUNT": null,

"BLOCKEDAMOUNT": null,

"AVAILABLEAMOUNT": null,

"CARDNUMBER": null,

"MINIMUM\_PAYMENT\_DUE": null,

"PRODUCTID": null,

"CITYNAME": null,

"CITYID": null,

"BRANCHID": null,

"ACCOUNTNAME": null,

"ACCOUNT\_STATUS": null,

"STATEMENT\_TERM": null,

"PRODUCTNAME": null,

"STATEMENTDAY": null,

"SML\_BANK\_ID": null,

"AUTO\_INACTIVE": null,

"OWNERSHIP": null,

"ECOMNICKNAME": null,

"ACCDETAILAVAILABLEBALANCE": null,

"ACCDETAILCURRENTBALANCE": null,

"LINKACCOUNT": null,

"PISACCOUNT": null,

"ISTD6017": null,

"ACCOUNT\_TYPE\_T24": null,

"CCCASHLIMIT": null,

"CCCASHFEE": null,

"CCCASHFEEMIN": null,

"CCBRANHCODE": null,

"PRIMARYACCTHOLDER": null,

"CARD\_TYPE": null,

"VALIDTHROUGH": null,

"CARDTYPENAME": null,

"CONTRACT\_STATUS": null,

"PRODUCT\_STATUS": null,

"PRODUCTCODE": null,

"OVERDRAFTLIMITREF": null,

"WORKINGBALANCE": null,

"LINK\_ACC\_NO": null,

"ISLINKDEBITCARD": null,

"LinkedDebitCards": null,

"DCLINKACCOUNTS": null,

"FromAccountID": "ZW5je2JmYjE3NTk0OGZjYzFhODNhMGJjYmIwZjg2YjM1ZTdjfQ",

"DestinationAccountID": "ZW5je2JmYjE3NTk0OGZjYzFhODNhMGJjYmIwZjg2YjM1ZTdjfQ",

"FromAccountName": "Tài khoản thanh toán - 139403568 Bal. ₫99,824,001,326",

"DestinationAccountName": "Tài khoản thanh toán - 139403568 Bal. ₫99,824,001,326",

"BranchNo": null,

"OpenDate": null,

"ValueDate": "\/Date(1523293200000)\/",

"CloseDate": null,

"PrincipleAmount": "13000000",

"InterestAmount": null,

"InterestRate": "6.7",

"Tenor": "9M",

"TermName": "9 Month(s)",

"Id1": "50154563763561700",

"Id2": "50154563763561701",

"Id3": "50154563763561702",

"StatusAccount1": null,

"StatusAccount2": null,

"StatusAccount3": null,

"InterestRate1": "6.7",

"InterestRate2": null,

"InterestRate3": null,

"Tenor1": "9M",

"Tenor2": null,

"Tenor3": null,

"TermName1": "9 Month(s)",

"TermName2": null,

"TermName3": null,

"PrincipleAmount1": "13000000",

"PrincipleAmount2": null,

"PrincipleAmount3": null,

"NumbersAccountChoise": "1",

"ValueDate1": "\/Date(1523293200000)\/",

"MaturityDate1": "\/Date(1547053200000)\/",

"ValueDate2": "\/Date(1523293200000)\/",

"MaturityDate2": null,

"ValueDate3": "\/Date(1523293200000)\/",

"MaturityDate3": null,

"FrequencyName": null,

"MaturityDate": "\/Date(1547053200000)\/",

"MaturityMethod": "1",

"MaturityMethodName": "Automatic roll of principal and interest",

"EmployeeDAO": "2111",

"isIB": null,

"PromotionCode": null,

"AmountInWords": "Thirteen Millions Vietnam Dong",

"AmountInWords1": "Thirteen Millions Vietnam Dong",

"AmountInWords2": " Vietnam Dong",

"AmountInWords3": " Vietnam Dong",

"ESBFTRefrenceNumber": null,

"ErrorCode": null,

"ErrorDescription": null,

"IntroducerCIF": null,

"AccountTypeID": "1",

"AccountTypeName": null,

"MATURITY\_METHOD\_VALUE": "[{\"id\":1,\"label\":\" Roll over automatically\"},{\"id\":2,\"label\":\" Settle automatically\"}]",

"MATURITYDATESTR": null,

"CifName": null,

"MaximumLimit": null,

"OverdraftInterestRate": null,

"IntAmountPaidBeforeTerm": null,

"AmountEndTerm": null,

"LostAmount": null,

"InterestKKH": null,

"BranchName": "VPBank SÀI GÒN",

"ActionType": null,

"OldMaturityMethod": null,

"OldMaturityMethodName": null,

"EvoucherCode": null,

"VoucherRate": "0",

"BaseRate": "6.7",

"FromAccount": {

"\_\_deferred": {

"uri": "https://s149.online.vpbank.com.vn:8080/cb/odata/services/onlinesavingservice/OnlineSavings('50154563763561700')/FromAccount"

}

},

"DestinationAccount": {

"\_\_deferred": {

"uri": "https://s149.online.vpbank.com.vn:8080/cb/odata/services/onlinesavingservice/OnlineSavings('50154563763561700')/DestinationAccount"

}

},

"SavingAccountType": {

"\_\_deferred": {

"uri": "https://s149.online.vpbank.com.vn:8080/cb/odata/services/onlinesavingservice/OnlineSavings('50154563763561700')/SavingAccountType"

}

},

"SavingProduct": {

"\_\_deferred": {

"uri": "https://s149.online.vpbank.com.vn:8080/cb/odata/services/onlinesavingservice/OnlineSavings('50154563763561700')/SavingProduct"

}

},

"SavingRate": {

"\_\_deferred": {

"uri": "https://s149.online.vpbank.com.vn:8080/cb/odata/services/onlinesavingservice/OnlineSavings('50154563763561700')/SavingRate"

}

},

"SavingRate1": {

"\_\_deferred": {

"uri": "https://s149.online.vpbank.com.vn:8080/cb/odata/services/onlinesavingservice/OnlineSavings('50154563763561700')/SavingRate1"

}

},

"SavingRate2": {

"\_\_deferred": {

"uri": "https://s149.online.vpbank.com.vn:8080/cb/odata/services/onlinesavingservice/OnlineSavings('50154563763561700')/SavingRate2"

}

},

"SavingRate3": {

"\_\_deferred": {

"uri": "https://s149.online.vpbank.com.vn:8080/cb/odata/services/onlinesavingservice/OnlineSavings('50154563763561700')/SavingRate3"

}

}

}

1. Responses sample:

{

"d": {

"\_\_metadata": {

"id": "https://s149.online.vpbank.com.vn:8080/cb/odata/services/onlinesavingservice/OnlineSavings('50154563763561700')",

"uri": "https://s149.online.vpbank.com.vn:8080/cb/odata/services/onlinesavingservice/OnlineSavings('50154563763561700')",

"type": "com.sap.banking.custom.onlinesaving.endpoint.v1\_0.beans.OnlineSaving"

},

"Id": "50154563763561700",

"Number": "139456793",

"NumberMasked": null,

"BankID": null,

"BankName": null,

"NickName": “NICK\_NAME”,

"Type": "Unknown",

"Status": "0",

"CurrencyCode": "VND",

"TrackingID": null,

"AccountGroup": "0",

"PrimaryAccount": null,

"CoreAccount": null,

"RoutingNum": null,

"LocationID": null,

"AccountDisplayText": null,

"PriorDayBalance": null,

"CurrentBalance": null,

"AvailableBalance": null,

"Favorite": false,

"BRANCHNO": null,

"OPENDATE": null,

"BRANCHNAME": "VPBank SÀI GÒN",

"AVARAGEBALANCEPERMONTH": null,

"OVERDRAFTLIMIT": null,

"BALANCE": null,

"BANKNO": null,

"ACCOUNTTYPE": "1",

"ACCOUNTNUMBER": null,

"CURRENCY": null,

"INTERESTRATE": null,

"ECOMMERCESTATUS": null,

"MATURITYDATE": null,

"ACCRUEDINTEREST": null,

"TENOR": null,

"APPROVEDAMOUNT": null,

"TERMLOAN": null,

"OUTSTANDINGAMOUNT": null,

"INTERESTFORTHISPERIOD": null,

"PRINCIPALFORTHISPERIOD": null,

"THETOTALAMOUNTDUE": null,

"NEXTPRINCIPALPAYMENTDATE": null,

"NEXTINTERESTPAYMENTDATE": null,

"THETOTALOVERDUEPAYABLEAMOUNT": null,

"OVERDUEPRINCIPAL": null,

"PENALTYINTEREST": null,

"CONTRACTNUMBER": null,

"CURRENCYTYPE": null,

"CREDITLIMIT": null,

"CARDSTATUS": null,

"CARDTYPE": null,

"OUTSTANDINGBALANCE": null,

"STATEMENTBALANCE": null,

"SUMOFOUTSTANDINGAMOUNT": null,

"BLOCKEDAMOUNT": null,

"AVAILABLEAMOUNT": null,

"CARDNUMBER": null,

"MINIMUM\_PAYMENT\_DUE": null,

"PRODUCTID": null,

"CITYNAME": null,

"CITYID": null,

"BRANCHID": null,

"ACCOUNTNAME": null,

"ACCOUNT\_STATUS": null,

"STATEMENT\_TERM": null,

"PRODUCTNAME": null,

"STATEMENTDAY": null,

"SML\_BANK\_ID": null,

"AUTO\_INACTIVE": null,

"OWNERSHIP": null,

"ECOMNICKNAME": null,

"ACCDETAILAVAILABLEBALANCE": null,

"ACCDETAILCURRENTBALANCE": null,

"LINKACCOUNT": null,

"PISACCOUNT": null,

"ISTD6017": null,

"ACCOUNT\_TYPE\_T24": null,

"CCCASHLIMIT": null,

"CCCASHFEE": null,

"CCCASHFEEMIN": null,

"CCBRANHCODE": null,

"PRIMARYACCTHOLDER": null,

"CARD\_TYPE": null,

"VALIDTHROUGH": null,

"CARDTYPENAME": null,

"CONTRACT\_STATUS": null,

"PRODUCT\_STATUS": null,

"PRODUCTCODE": null,

"OVERDRAFTLIMITREF": null,

"WORKINGBALANCE": null,

"LINK\_ACC\_NO": null,

"ISLINKDEBITCARD": null,

"LinkedDebitCards": null,

"DCLINKACCOUNTS": null,

"FromAccountID": "ZW5je2E4ODM2ZTgyZDNhY2YyMjNhODkwOWJmNGI5ZjMxOTk2fQ",

"DestinationAccountID": "ZW5je2E4ODM2ZTgyZDNhY2YyMjNhODkwOWJmNGI5ZjMxOTk2fQ",

"FromAccountName": "Tài khoản thanh toán - 139403568 Bal. ₫99,759,001,326",

"DestinationAccountName": "Tài khoản thanh toán - 139403568 Bal. ₫99,759,001,326",

"BranchNo": null,

"OpenDate": null,

"ValueDate": "\/Date(1523293200000)\/",

"CloseDate": null,

"PrincipleAmount": "13000000",

"InterestAmount": null,

"InterestRate": "6.7",

"Tenor": "9M",

"TermName": "9 Month(s)",

"Id1": "50154563763561700",

"Id2": "50154563763561701",

"Id3": "50154563763561702",

"StatusAccount1": null,

"StatusAccount2": null,

"StatusAccount3": null,

"InterestRate1": "6.7",

"InterestRate2": null,

"InterestRate3": null,

"Tenor1": "9M",

"Tenor2": null,

"Tenor3": null,

"TermName1": "9 Month(s)",

"TermName2": null,

"TermName3": null,

"PrincipleAmount1": "13000000",

"PrincipleAmount2": null,

"PrincipleAmount3": null,

"NumbersAccountChoise": "1",

"ValueDate1": "\/Date(1523293200000)\/",

"MaturityDate1": "\/Date(1547053200000)\/",

"ValueDate2": "\/Date(1523293200000)\/",

"MaturityDate2": null,

"ValueDate3": "\/Date(1523293200000)\/",

"MaturityDate3": null,

"FrequencyName": null,

"MaturityDate": "\/Date(1547053200000)\/",

"MaturityMethod": "1",

"MaturityMethodName": "Automatic roll of principal and interest",

"EmployeeDAO": "2111",

"isIB": null,

"PromotionCode": null,

"AmountInWords": "Thirteen Millions Vietnam Dong",

"AmountInWords1": "Thirteen Millions Vietnam Dong",

"AmountInWords2": " Vietnam Dong",

"AmountInWords3": " Vietnam Dong",

"ESBFTRefrenceNumber": null,

"ErrorCode": null,

"ErrorDescription": null,

"IntroducerCIF": null,

"AccountTypeID": "1",

"AccountTypeName": null,

"MATURITY\_METHOD\_VALUE": "[{\"id\":1,\"label\":\" Roll over automatically\"},{\"id\":2,\"label\":\" Settle automatically\"}]",

"MATURITYDATESTR": null,

"CifName": "NGUYEN VAN THANH",

"MaximumLimit": null,

"OverdraftInterestRate": null,

"IntAmountPaidBeforeTerm": null,

"AmountEndTerm": null,

"LostAmount": null,

"InterestKKH": null,

"BranchName": "VPBank SÀI GÒN",

"ActionType": null,

"OldMaturityMethod": null,

"OldMaturityMethodName": null,

"EvoucherCode": null,

"VoucherRate": "0",

"BaseRate": "6.7",

"FromAccount": {

"\_\_deferred": {

"uri": "https://s149.online.vpbank.com.vn:8080/cb/odata/services/onlinesavingservice/OnlineSavings('50154563763561700')/FromAccount"

}

},

"DestinationAccount": {

"\_\_deferred": {

"uri": "https://s149.online.vpbank.com.vn:8080/cb/odata/services/onlinesavingservice/OnlineSavings('50154563763561700')/DestinationAccount"

}

},

"SavingAccountType": {

"\_\_deferred": {

"uri": "https://s149.online.vpbank.com.vn:8080/cb/odata/services/onlinesavingservice/OnlineSavings('50154563763561700')/SavingAccountType"

}

},

"SavingProduct": {

"\_\_deferred": {

"uri": "https://s149.online.vpbank.com.vn:8080/cb/odata/services/onlinesavingservice/OnlineSavings('50154563763561700')/SavingProduct"

}

},

"SavingRate": {

"\_\_deferred": {

"uri": "https://s149.online.vpbank.com.vn:8080/cb/odata/services/onlinesavingservice/OnlineSavings('50154563763561700')/SavingRate"

}

},

"SavingRate1": {

"\_\_deferred": {

"uri": "https://s149.online.vpbank.com.vn:8080/cb/odata/services/onlinesavingservice/OnlineSavings('50154563763561700')/SavingRate1"

}

},

"SavingRate2": {

"\_\_deferred": {

"uri": "https://s149.online.vpbank.com.vn:8080/cb/odata/services/onlinesavingservice/OnlineSavings('50154563763561700')/SavingRate2"

}

},

"SavingRate3": {

"\_\_deferred": {

"uri": "https://s149.online.vpbank.com.vn:8080/cb/odata/services/onlinesavingservice/OnlineSavings('50154563763561700')/SavingRate3"

}

}

}

}

### Business rules

1. Customer sign in successful.
2. Customer have enough money in current account to open online saving.

### Integration Specification

**Request message**

| **No.** | **NAME** | **TYPE** | **REQ** | **DESCRIPTION** | **REMARKS** |
| --- | --- | --- | --- | --- | --- |
|  | Id | String |  | Online saving ref. | "50154563763561700" |
|  | Number | String |  | Unique identifier (per bank) for the customers account. (Not yet hashed) | "null" |
|  | NumberMasked | String |  | Unique identifier (per bank) for the customers account. (Masked) | "null" |
|  | BankID | String |  | ID of the Service Bureau this affiliate bank belongs to. | "null" |
|  | BankName | String |  |  | "null" |
|  | NickName | String |  | User assigned name for account that is more ‘friendly’. | “NICK\_NAME” |
|  | Type | String |  | Account type.  Example: NORMALACCOUNT, VPSTAFFACCOUNT, ONLINEEASYSAVING, … | "Unknown" |
|  | Status | String |  | Not in use (default “PENDING”) | "0" |
|  | CurrencyCode | String |  | Currency type the account should use. | "VND" |
|  | TrackingID | String |  |  | "null" |
|  | AccountGroup | String |  | Account group identifier | "0" |
|  | PrimaryAccount | String |  |  | "null" |
|  | CoreAccount | String |  | Flag to determine if this account is the user’s core account. Valid values are:  1: same CIF  2: different CIF | "null" |
|  | RoutingNum | String |  | Account routing number is an identification of a bank. | "null" |
|  | LocationID | String |  |  | "null" |
|  | AccountDisplayText | String |  |  | "null" |
|  | PriorDayBalance | String |  |  | "null" |
|  | CurrentBalance | String |  |  | "null" |
|  | AvailableBalance | String |  |  | "null" |
|  | Favorite | String |  | true: Favorite, false: Not favorite | "false" |
|  | BRANCHNO | String |  |  | "null" |
|  | OPENDATE | String |  |  | "null" |
|  | BRANCHNAME | String |  | Name of branch holding the account | "VPBank SÀI GÒN" |
|  | AVARAGEBALANCEPERMONTH | String |  |  | "null" |
|  | OVERDRAFTLIMIT | String |  |  | "null" |
|  | BALANCE | String |  |  | "null" |
|  | BANKNO | String |  |  | "null" |
|  | ACCOUNTTYPE | String |  |  | "1" |
|  | ACCOUNTNUMBER | String |  |  | "null" |
|  | CURRENCY | String |  |  | "null" |
|  | INTERESTRATE | String |  |  | "null" |
|  | ECOMMERCESTATUS | String |  |  | "null" |
|  | MATURITYDATE | String |  |  | "null" |
|  | ACCRUEDINTEREST | String |  |  | "null" |
|  | TENOR | String |  |  | "null" |
|  | APPROVEDAMOUNT | String |  |  | "null" |
|  | TERMLOAN | String |  |  | "null" |
|  | OUTSTANDINGAMOUNT | String |  |  | "null" |
|  | INTERESTFORTHISPERIOD | String |  |  | "null" |
|  | PRINCIPALFORTHISPERIOD | String |  |  | "null" |
|  | THETOTALAMOUNTDUE | String |  |  | "null" |
|  | NEXTPRINCIPALPAYMENTDATE | String |  |  | "null" |
|  | NEXTINTERESTPAYMENTDATE | String |  |  | "null" |
|  | THETOTALOVERDUEPAYABLEAMOUNT | String |  |  | "null" |
|  | OVERDUEPRINCIPAL | String |  |  | "null" |
|  | PENALTYINTEREST | String |  |  | "null" |
|  | CONTRACTNUMBER | String |  |  | "null" |
|  | CURRENCYTYPE | String |  |  | "null" |
|  | CREDITLIMIT | String |  |  | "null" |
|  | CARDSTATUS | String |  |  | "null" |
|  | CARDTYPE | String |  |  | "null" |
|  | OUTSTANDINGBALANCE | String |  |  | "null" |
|  | STATEMENTBALANCE | String |  |  | "null" |
|  | SUMOFOUTSTANDINGAMOUNT | String |  |  | "null" |
|  | BLOCKEDAMOUNT | String |  |  | "null" |
|  | AVAILABLEAMOUNT | String |  |  | "null" |
|  | CARDNUMBER | String |  |  | "null" |
|  | MINIMUM\_PAYMENT\_DUE | String |  |  | "null" |
|  | PRODUCTID | String |  |  | "null" |
|  | CITYNAME | String |  |  | "null" |
|  | CITYID | String |  |  | "null" |
|  | BRANCHID | String |  |  | "null" |
|  | ACCOUNTNAME | String |  |  | "null" |
|  | ACCOUNT\_STATUS | String |  |  | "null" |
|  | STATEMENT\_TERM | String |  |  | "null" |
|  | PRODUCTNAME | String |  |  | "null" |
|  | STATEMENTDAY | String |  |  | "null" |
|  | SML\_BANK\_ID | String |  |  | "null" |
|  | AUTO\_INACTIVE | String |  |  | "null" |
|  | OWNERSHIP | String |  |  | "null" |
|  | ECOMNICKNAME | String |  |  | "null" |
|  | ACCDETAILAVAILABLEBALANCE | String |  |  | "null" |
|  | ACCDETAILCURRENTBALANCE | String |  |  | "null" |
|  | LINKACCOUNT | String |  |  | "null" |
|  | PISACCOUNT | String |  |  | "null" |
|  | ISTD6017 | String |  |  | "null" |
|  | ACCOUNT\_TYPE\_T24 | String |  |  | "null" |
|  | CCCASHLIMIT | String |  |  | "null" |
|  | CCCASHFEE | String |  |  | "null" |
|  | CCCASHFEEMIN | String |  |  | "null" |
|  | CCBRANHCODE | String |  |  | "null" |
|  | PRIMARYACCTHOLDER | String |  |  | "null" |
|  | CARD\_TYPE | String |  |  | "null" |
|  | VALIDTHROUGH | String |  |  | "null" |
|  | CARDTYPENAME | String |  |  | "null" |
|  | CONTRACT\_STATUS | String |  |  | "null" |
|  | PRODUCT\_STATUS | String |  |  | "null" |
|  | PRODUCTCODE | String |  |  | "null" |
|  | OVERDRAFTLIMITREF | String |  |  | "null" |
|  | WORKINGBALANCE | String |  |  | "null" |
|  | LINK\_ACC\_NO | String |  |  | "null" |
|  | ISLINKDEBITCARD | String |  |  | "null" |
|  | LinkedDebitCards | String |  |  | "null" |
|  | DCLINKACCOUNTS | String |  |  | "null" |
|  | FromAccountID | String |  |  | "ZW5je2JmYjE3NTk0OGZjYzFhODNhMGJjYmIwZjg2YjM1ZTdjfQ" |
|  | DestinationAccountID | String |  |  | "ZW5je2JmYjE3NTk0OGZjYzFhODNhMGJjYmIwZjg2YjM1ZTdjfQ" |
|  | FromAccountName | String |  |  | "Tài khoản thanh toán - 139403568 Bal. ₫99,824,001,326" |
|  | DestinationAccountName | String |  |  | "Tài khoản thanh toán - 139403568 Bal. ₫99,824,001,326" |
|  | BranchNo | String |  |  | "null" |
|  | OpenDate | String |  |  | "null" |
|  | ValueDate | String |  |  | "/Date(1523293200000)/" |
|  | CloseDate | String |  |  | "null" |
|  | PrincipleAmount | String |  |  | "13000000" |
|  | InterestAmount | String |  |  | "null" |
|  | InterestRate | String |  |  | "6.7" |
|  | Tenor | String |  |  | "9M" |
|  | TermName | String |  |  | "9 Month(s)" |
|  | Id1 | String |  |  | "50154563763561700" |
|  | Id2 | String |  |  | "50154563763561701" |
|  | Id3 | String |  |  | "50154563763561702" |
|  | StatusAccount1 | String |  |  | "null" |
|  | StatusAccount2 | String |  |  | "null" |
|  | StatusAccount3 | String |  |  | "null" |
|  | InterestRate1 | String |  |  | "6.7" |
|  | InterestRate2 | String |  |  | "null" |
|  | InterestRate3 | String |  |  | "null" |
|  | Tenor1 | String |  |  | "9M" |
|  | Tenor2 | String |  |  | "null" |
|  | Tenor3 | String |  |  | "null" |
|  | TermName1 | String |  |  | "9 Month(s)" |
|  | TermName2 | String |  |  | "null" |
|  | TermName3 | String |  |  | "null" |
|  | PrincipleAmount1 | String |  |  | "13000000" |
|  | PrincipleAmount2 | String |  |  | "null" |
|  | PrincipleAmount3 | String |  |  | "null" |
|  | NumbersAccountChoise | String |  |  | "1" |
|  | ValueDate1 | String |  |  | "/Date(1523293200000)/" |
|  | MaturityDate1 | String |  |  | "/Date(1547053200000)/" |
|  | ValueDate2 | String |  |  | "/Date(1523293200000)/" |
|  | MaturityDate2 | String |  |  | "null" |
|  | ValueDate3 | String |  |  | "/Date(1523293200000)/" |
|  | MaturityDate3 | String |  |  | "null" |
|  | FrequencyName | String |  |  | "null" |
|  | MaturityDate | String |  |  | "/Date(1547053200000)/" |
|  | MaturityMethod | String |  |  | "1" |
|  | MaturityMethodName | String |  |  | "Automatic roll of principal and interest" |
|  | EmployeeDAO | String |  |  | "2111" |
|  | isIB | String |  |  | "null" |
|  | PromotionCode | String |  | Promotion code | "null" |
|  | AmountInWords | String |  |  | "Thirteen Millions Vietnam Dong" |
|  | AmountInWords1 | String |  |  | "Thirteen Millions Vietnam Dong" |
|  | AmountInWords2 | String |  |  | " Vietnam Dong" |
|  | AmountInWords3 | String |  |  | " Vietnam Dong" |
|  | ESBFTRefrenceNumber | String |  |  | "null" |
|  | ErrorCode | String |  |  | "null" |
|  | ErrorDescription | String |  |  | "null" |
|  | IntroducerCIF | String |  |  | "null" |
|  | AccountTypeID | String |  |  | "1" |
|  | AccountTypeName | String |  |  | "null" |
|  | MATURITY\_METHOD\_VALUE | String |  | Maturity method information | "[{"id":1,"label":" Roll over automatically"},{"id":2,"label":" Settle automatically"}]" |
|  | MATURITYDATESTR | String |  |  | "null" |
|  | CifName | String |  |  | "null" |
|  | MaximumLimit | String |  |  | "null" |
|  | OverdraftInterestRate | String |  |  | "null" |
|  | IntAmountPaidBeforeTerm | String |  |  | "null" |
|  | AmountEndTerm | String |  |  | "null" |
|  | LostAmount | String |  |  | "null" |
|  | InterestKKH | String |  |  | "null" |
|  | BranchName | String |  |  | "VPBank SÀI GÒN" |
|  | ActionType | String |  |  | "null" |
|  | OldMaturityMethod | String |  |  | "null" |
|  | OldMaturityMethodName | String |  |  | "null" |
|  | EvoucherCode | String |  |  | "null" |
|  | VoucherRate | String |  |  | "0" |
|  | BaseRate | String |  |  | "6.7" |

**Response message**

| **No.** | **NAME** | **TYPE** | **REQ** | **DESCRIPTION** | **REMARKS** |
| --- | --- | --- | --- | --- | --- |
|  | Id | String |  | Online saving ref. | "50154563763561700" |
|  | Number | String |  | Unique identifier (per bank) for the customers account. (Not yet hashed) | "139456793" |
|  | NumberMasked | String |  | Unique identifier (per bank) for the customers account. (Masked) | "null" |
|  | BankID | String |  | ID of the Service Bureau this affiliate bank belongs to. | "null" |
|  | BankName | String |  |  | "null" |
|  | NickName | String |  | User assigned name for account that is more ‘friendly’. | “NICK\_NAME” |
|  | Type | String |  | Account type.  Example: NORMALACCOUNT, VPSTAFFACCOUNT, ONLINEEASYSAVING, … | "Unknown" |
|  | Status | String |  | Not in use (default “PENDING”) | "0" |
|  | CurrencyCode | String |  | Currency type the account should use. | "VND" |
|  | TrackingID | String |  |  | "null" |
|  | AccountGroup | String |  | Account group identifier | "0" |
|  | PrimaryAccount | String |  |  | "null" |
|  | CoreAccount | String |  | Flag to determine if this account is the user’s core account. Valid values are:  1: same CIF  2: different CIF | "null" |
|  | RoutingNum | String |  | Account routing number is an identification of a bank. | "null" |
|  | LocationID | String |  |  | "null" |
|  | AccountDisplayText | String |  |  | "null" |
|  | PriorDayBalance | String |  |  | "null" |
|  | CurrentBalance | String |  |  | "null" |
|  | AvailableBalance | String |  |  | "null" |
|  | Favorite | String |  | true: Favorite, false: Not favorite | "false" |
|  | BRANCHNO | String |  |  | "null" |
|  | OPENDATE | String |  |  | "null" |
|  | BRANCHNAME | String |  | Name of branch holding the account | "VPBank SÀI GÒN" |
|  | AVARAGEBALANCEPERMONTH | String |  |  | "null" |
|  | OVERDRAFTLIMIT | String |  |  | "null" |
|  | BALANCE | String |  |  | "null" |
|  | BANKNO | String |  |  | "null" |
|  | ACCOUNTTYPE | String |  |  | "1" |
|  | ACCOUNTNUMBER | String |  |  | "null" |
|  | CURRENCY | String |  |  | "null" |
|  | INTERESTRATE | String |  |  | "null" |
|  | ECOMMERCESTATUS | String |  |  | "null" |
|  | MATURITYDATE | String |  |  | "null" |
|  | ACCRUEDINTEREST | String |  |  | "null" |
|  | TENOR | String |  |  | "null" |
|  | APPROVEDAMOUNT | String |  |  | "null" |
|  | TERMLOAN | String |  |  | "null" |
|  | OUTSTANDINGAMOUNT | String |  |  | "null" |
|  | INTERESTFORTHISPERIOD | String |  |  | "null" |
|  | PRINCIPALFORTHISPERIOD | String |  |  | "null" |
|  | THETOTALAMOUNTDUE | String |  |  | "null" |
|  | NEXTPRINCIPALPAYMENTDATE | String |  |  | "null" |
|  | NEXTINTERESTPAYMENTDATE | String |  |  | "null" |
|  | THETOTALOVERDUEPAYABLEAMOUNT | String |  |  | "null" |
|  | OVERDUEPRINCIPAL | String |  |  | "null" |
|  | PENALTYINTEREST | String |  |  | "null" |
|  | CONTRACTNUMBER | String |  |  | "null" |
|  | CURRENCYTYPE | String |  |  | "null" |
|  | CREDITLIMIT | String |  |  | "null" |
|  | CARDSTATUS | String |  |  | "null" |
|  | CARDTYPE | String |  |  | "null" |
|  | OUTSTANDINGBALANCE | String |  |  | "null" |
|  | STATEMENTBALANCE | String |  |  | "null" |
|  | SUMOFOUTSTANDINGAMOUNT | String |  |  | "null" |
|  | BLOCKEDAMOUNT | String |  |  | "null" |
|  | AVAILABLEAMOUNT | String |  |  | "null" |
|  | CARDNUMBER | String |  |  | "null" |
|  | MINIMUM\_PAYMENT\_DUE | String |  |  | "null" |
|  | PRODUCTID | String |  |  | "null" |
|  | CITYNAME | String |  |  | "null" |
|  | CITYID | String |  |  | "null" |
|  | BRANCHID | String |  |  | "null" |
|  | ACCOUNTNAME | String |  |  | "null" |
|  | ACCOUNT\_STATUS | String |  |  | "null" |
|  | STATEMENT\_TERM | String |  |  | "null" |
|  | PRODUCTNAME | String |  |  | "null" |
|  | STATEMENTDAY | String |  |  | "null" |
|  | SML\_BANK\_ID | String |  |  | "null" |
|  | AUTO\_INACTIVE | String |  |  | "null" |
|  | OWNERSHIP | String |  |  | "null" |
|  | ECOMNICKNAME | String |  |  | "null" |
|  | ACCDETAILAVAILABLEBALANCE | String |  |  | "null" |
|  | ACCDETAILCURRENTBALANCE | String |  |  | "null" |
|  | LINKACCOUNT | String |  |  | "null" |
|  | PISACCOUNT | String |  |  | "null" |
|  | ISTD6017 | String |  |  | "null" |
|  | ACCOUNT\_TYPE\_T24 | String |  |  | "null" |
|  | CCCASHLIMIT | String |  |  | "null" |
|  | CCCASHFEE | String |  |  | "null" |
|  | CCCASHFEEMIN | String |  |  | "null" |
|  | CCBRANHCODE | String |  |  | "null" |
|  | PRIMARYACCTHOLDER | String |  |  | "null" |
|  | CARD\_TYPE | String |  |  | "null" |
|  | VALIDTHROUGH | String |  |  | "null" |
|  | CARDTYPENAME | String |  |  | "null" |
|  | CONTRACT\_STATUS | String |  |  | "null" |
|  | PRODUCT\_STATUS | String |  |  | "null" |
|  | PRODUCTCODE | String |  |  | "null" |
|  | OVERDRAFTLIMITREF | String |  |  | "null" |
|  | WORKINGBALANCE | String |  |  | "null" |
|  | LINK\_ACC\_NO | String |  |  | "null" |
|  | ISLINKDEBITCARD | String |  |  | "null" |
|  | LinkedDebitCards | String |  |  | "null" |
|  | DCLINKACCOUNTS | String |  |  | "null" |
|  | FromAccountID | String |  |  | "ZW5je2E4ODM2ZTgyZDNhY2YyMjNhODkwOWJmNGI5ZjMxOTk2fQ" |
|  | DestinationAccountID | String |  |  | "ZW5je2E4ODM2ZTgyZDNhY2YyMjNhODkwOWJmNGI5ZjMxOTk2fQ" |
|  | FromAccountName | String |  |  | "Tài khoản thanh toán - 139403568 Bal. ₫99,759,001,326" |
|  | DestinationAccountName | String |  |  | "Tài khoản thanh toán - 139403568 Bal. ₫99,759,001,326" |
|  | BranchNo | String |  |  | "null" |
|  | OpenDate | String |  |  | "null" |
|  | ValueDate | String |  |  | "/Date(1523293200000)/" |
|  | CloseDate | String |  |  | "null" |
|  | PrincipleAmount | String |  |  | "13000000" |
|  | InterestAmount | String |  |  | "null" |
|  | InterestRate | String |  |  | "6.7" |
|  | Tenor | String |  |  | "9M" |
|  | TermName | String |  |  | "9 Month(s)" |
|  | Id1 | String |  | Unique identifier | "50154563763561700" |
|  | Id2 | String |  | Unique identifier | "50154563763561701" |
|  | Id3 | String |  | Unique identifier | "50154563763561702" |
|  | StatusAccount1 | String |  |  | "null" |
|  | StatusAccount2 | String |  |  | "null" |
|  | StatusAccount3 | String |  |  | "null" |
|  | InterestRate1 | String |  |  | "6.7" |
|  | InterestRate2 | String |  |  | "null" |
|  | InterestRate3 | String |  |  | "null" |
|  | Tenor1 | String |  |  | "9M" |
|  | Tenor2 | String |  |  | "null" |
|  | Tenor3 | String |  |  | "null" |
|  | TermName1 | String |  |  | "9 Month(s)" |
|  | TermName2 | String |  |  | "null" |
|  | TermName3 | String |  |  | "null" |
|  | PrincipleAmount1 | String |  |  | "13000000" |
|  | PrincipleAmount2 | String |  |  | "null" |
|  | PrincipleAmount3 | String |  |  | "null" |
|  | NumbersAccountChoise | String |  |  | "1" |
|  | ValueDate1 | String |  |  | "/Date(1523293200000)/" |
|  | MaturityDate1 | String |  |  | "/Date(1547053200000)/" |
|  | ValueDate2 | String |  |  | "/Date(1523293200000)/" |
|  | MaturityDate2 | String |  |  | "null" |
|  | ValueDate3 | String |  |  | "/Date(1523293200000)/" |
|  | MaturityDate3 | String |  |  | "null" |
|  | FrequencyName | String |  |  | "null" |
|  | MaturityDate | String |  |  | "/Date(1547053200000)/" |
|  | MaturityMethod | String |  |  | "1" |
|  | MaturityMethodName | String |  |  | "Automatic roll of principal and interest" |
|  | EmployeeDAO | String |  |  | "2111" |
|  | isIB | String |  |  | "null" |
|  | PromotionCode | String |  | Promotion code | "null" |
|  | AmountInWords | String |  |  | "Thirteen Millions Vietnam Dong" |
|  | AmountInWords1 | String |  |  | "Thirteen Millions Vietnam Dong" |
|  | AmountInWords2 | String |  |  | " Vietnam Dong" |
|  | AmountInWords3 | String |  |  | " Vietnam Dong" |
|  | ESBFTRefrenceNumber | String |  |  |  |
|  | ErrorCode | String |  |  | "null" |
|  | ErrorDescription | String |  |  | "null" |
|  | IntroducerCIF | String |  |  | "null" |
|  | AccountTypeID | String |  |  | "1" |
|  | AccountTypeName | String |  |  | "null" |
|  | MATURITY\_METHOD\_VALUE | String |  | Maturity method information | "[{"id":1,"label":" Roll over automatically"},{"id":2,"label":" Settle automatically"}]" |
|  | MATURITYDATESTR | String |  |  | "null" |
|  | CifName | String |  |  | "NGUYEN VAN THANH" |
|  | MaximumLimit | String |  |  | "null" |
|  | OverdraftInterestRate | String |  |  | "null" |
|  | IntAmountPaidBeforeTerm | String |  |  | "null" |
|  | AmountEndTerm | String |  |  | "null" |
|  | LostAmount | String |  |  | "null" |
|  | InterestKKH | String |  |  | "null" |
|  | BranchName | String |  |  | "VPBank SÀI GÒN" |
|  | ActionType | String |  |  | "null" |
|  | OldMaturityMethod | String |  |  | "null" |
|  | OldMaturityMethodName | String |  |  | "null" |
|  | EvoucherCode | String |  |  | "null" |
|  | VoucherRate | String |  |  | "0" |
|  | BaseRate | String |  |  | "6.7" |

## OnlineSavingAccountTypes?SEARCH\_TYPE=ALL\_ONLINE\_SAVING Service

### Description

* Reference to **OnlineSavingAccountTypes?SEARCH\_TYPE=ALL\_ONLINE\_SAVING Service in Open Smart Combo.docx**

# 2. Sequence

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

## Information Input

## Call 1, 11, 3, 6, 7

## Saving Configurations

## Call 4, 5, 8

## Review

## Call 9

## Success

## Call 10