**API Description Document**

**Requestor**

|  |  |
| --- | --- |
| Requestor:  Sylvester Dsilva | Date:  07 – May – 2019 |
| Designation  Sr. Business Analyst | Department  RBL-BSG |

**Approvals**

|  |  |
| --- | --- |
| Executive Sponsor: Utkarsh Saxena | Date: |
| Business Program Manager: Yogesh Gupta | Date: |
| Project Manager BSG: Ashish Morvekar | Date: |
| Please add additional rows if you have additional stakeholders that need to approve this document. | |
| Comments: | |

**Revision History**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Document/Dept. Owner: | BSG | | | | |
| Created By: | Sylvester Dsilva | | Date: | | 07 – May – 2019 |
| Revised By | | Date Revised | | New Version # | |
| Sylvester Dsilva | | 07/07/2019 | | Initial Version | |
|  | |  | |  | |
|  | |  | |  | |
|  | |  | |  | |

**Table of Contents**

[1. Scope and Business Case Overview 4](#__RefHeading___Toc413661394)

[1.1 Project Overview 4](#__RefHeading___Toc413661395)

[1.2 Current process & opportunity 4](#__RefHeading___Toc413661396)

[1.3 High-level business requirements 4](#__RefHeading___Toc413661397)

[1.3.1 Functional Requirement 4](#__RefHeading___Toc413661398)

[1.3.2 Non- Functional Requirement 4](#__RefHeading___Toc413661399)

[1.4 Business Benefit Case 4](#__RefHeading___Toc413661400)

[1.4.1 Financial Benefit 4](#__RefHeading___Toc413661401)

[1.4.2 Non-Financial Benefit 4](#__RefHeading___Toc413661402)

[2. Acceptance Criteria & Project Plan 5](#__RefHeading___Toc413661403)

# *Introduction*

*Project - Credit Cards Partners Onus Debit integration*

# *List of API*

*List down the APIs part of the projects:*

|  |  |  |
| --- | --- | --- |
| **Sr. No** | **Name** | **Description** |
| *1.* | *CC\_PartnerOnusDebit* | *To Carry out OnusDebit and Bank account credit of User* |

# *API* *Name*

*To Carry out OnusDebit and Bank account credit of User*

# *Description*

*To Carry out OnusDebit and Bank account credit of User. Partners currently integrate with bank on multiple fronts – payment gateway integration, IMPS integration. With the new framework, this will be at the bank’s end and all partners will need to integrate with a single API.*

# *Transport protocol (SOAP / REST)*

*REST- key value pair*

# *API Request URLs*

https://apideveloper.rblbank.com/test/sb/rbl/api/v1/PartnerOnus

# *Request Header Parameters*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Business Parameter Name** | **Description** | **Parameter Type** | **Parameter Constraints** | **Comment** |
| **RequestUUID** | **Unique Request ID for every**  **Request needed for tagging** | **String** | **Length=50** | **Mandatory** |
| **ServiceRequestId** | **Unique ID for the service as**  **shared in the API document** | **String** | **Length=20** | **Mandatory** |
| **ServiceRequestVersion** | **Version of the Service** | **String** | **Length=2** |  |
| **ChannelId** | **Channel ID assinged as per**  **the bank** | **String** | **Length=15** | **Mandatory** |
| **BankId** | **bank ID - Value can be blank**  **but tag should be present** | **String** | **Length=12** |  |
| **TimeZone** | **TimeZone for the calling**  **client** | **String** | **Length=15** |  |
| **MessageDateTime** | **Current TimeStamp in**  **specified format** | **String** | **Length=32** | **Mandatory** |
| **Certificate** |  | **String** |  |  |
| **MessageHashKey** |  | **String** |  |  |
| **MessageIndex** |  | **String** |  |  |
| **UserId** |  | **String** |  |  |
| **Password** |  | **String** |  |  |
| **DeviceFamily** |  | **String** |  |  |
| **DeviceFormat** |  | **String** |  |  |
| **DeviceType** |  | **String** |  |  |
| **DeviceName** |  | **String** |  |  |
| **DeviceIMEI** |  | **String** |  |  |
| **DeviceID** |  | **String** |  |  |
| **DeviceVersion** |  | **String** |  |  |
| **AppVersion** |  | **String** |  |  |
| DeviceOS |  | String |  |  |
| DeviceIp |  | String |  |  |
| SessionId |  | String |  |  |

## Request Body parameters

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Business Parameter Name** | **Description** | **Parameter Type** | **Parameter Constraints** | **Comment** |
| **AuthFlag** | **Value Indicating type of auth**  **parameters used in body** | **String** | **Length=2** |  |
| **CustomerNumber** | **Customer Number of the**  **user** | **Numric** | **Length=50** | **Mandatory** |
| **CardEndDigits** | **last 4 digits of Card Number.**  **Can only be validated along**  **with MobileNumber Tag** | **Numric** | **Length=50** | **Mandatory** |
| **MobileNumber** | **Mobile number of User**  **against the card. Can only be**  **validated along with**  **CardEndDigits Tag** | **Numric** | **Length=50** | **Mandatory** |
| **Cardnumber** | **Complete CardNumber**  **Encrypted** | **Numric** | **Length=50** | **Mandatory** |
| **Partner\_Id** | **Partner Id** | **String** | **Length=26** | **Mandatory** |
| **Amount** | **Amount to be debited**. | **Numric** | **Length=60** | **Mandatory** |
| **OtpRefNum** | **OTP Reference Number**  **generated server side as part**  **of response in the previous**  **validation call** | **String** | **Length=80** | **Mandatory** |
| **OTP** | **OTP Entered by the user for**  **2 factor validation** | **String** | **Length=50** | **Mandatory** |
| **ReferenceID** | **Tran Reference ID generated**  **server side to track**  **transaciton** | **String** | **Length=60** | **Mandatory** |
| **BeneIFSCCode** | **IFSC Code of the account**  **where credit is to be made**  **for Loan Amount** | **String** | **Length=100** | **Mandatory** |
| **BeneAcctNum** | **Account Number of the user**  **where Loan Amount to be**  **credited** | **String** | **Length=100** | **Mandatory** |
| **PartnerCode** | **PartnerCode assigned by the**  **bank for GL account mapping** | **String** | **Length=10** | **Mandatory** |
| **PlanID** | **Loan Plan ID** | **String** | **Length=30** | **Mandatory** |
| **beneficiarymobilenumber** | **beneficiarymobilenumber** | **Numeric** | **Length=60** | **Mandatory** |
| **beneficiarymailid** | **beneficiarymailid** | **String** | **Length=60** | **Mandatory** |
| **beneficiarybank** | **beneficiarybank** |  | **Length=60** | **Mandatory** |
| **beneficiaryname** | **beneficiaryname** |  | **Length=60** | **Mandatory** |
| **BenAddress** | **Beneficiary Address** |  | **Length=60** | **Mandatory** |
| **TranDesc** | **Transaction Description** |  | **Length=60** | **Mandatory** |
| **TranRefNo** | **Transaction Reference number** |  | **Length=60** | **Mandatory** |
| **TranType** | **Transaction Type** |  | **Length=30** | **Mandatory** |
| **RefId** | **EnvironmentType** |  | **Length=50** | **Mandatory** |

## Request Sample1

*{*

*"rblCC\_PartnerOnusDebit":{*

*"RequestHeader":{*

*"MessageKey":{*

*"RequestUUID":"749579753",*

*"ServiceRequestId":"CC\_POD\_userVal",*

*"ServiceRequestVersion":"",*

*"ChannelId":"MT"*

*},*

*"RequestMessageInfo":{*

*"BankId":"",*

*"TimeZone":"",*

*"MessageDateTime":"2019040217243109479673"*

*},*

*"Security":{*

*"Token":{*

*"Certificate":"?",*

*"MessageHashKey":"",*

*"MessageIndex":"",*

*"PasswordToken":{*

*"UserId":"?",*

*"Password":"?"*

*}*

*}*

*},*

*"DeviceInfo":{*

*"DeviceFamily":"?",*

*"DeviceFormat":"?",*

*"DeviceType":"?",*

*"DeviceName":"?",*

*"DeviceIMEI":"?",*

*"DeviceID":"?",*

*"DeviceVersion":"?",*

*"AppVersion":"?",*

*"DeviceOS":"?",*

*"DeviceIp":"123.201.7.2"*

*},*

*"AdditionalInfo":{*

*"SessionId":"1234"*

*}*

*},*

*"RequestBody":{*

*"rblCC\_PartnerOnusDebit\_RequestBody":{*

*"AuthFlag":"3",*

*"CustomerNumber":"XesByB0HExbDF28cj6C9iXt0OJhmS5aPDAuNKuGK1XQ=",*

*"CardEndDigits":"ScvAhH8qabSA04GW87ijtA==",*

*"MobileNumber":"behi7ZTmqf4+XPPINb4Z+g==",*

*"Cardnumber":"5WFr931simOF6m3Q7y/VyDd2PBTod6fNfLsEhppvvp8=",*

*"Partner\_Id":"MT",*

*"Amount":"9fO1RV6IZIazfiDKKFB6zA=="*

*}*

*}*

*}*

*}*

## Request Sample2

*{*

*"rblCC\_PartnerOnusDebit":{*

*"RequestHeader":{*

*"MessageKey":{*

*"RequestUUID":"7478363865",*

*"ServiceRequestId":"CC\_POD\_Debit",*

*"ServiceRequestVersion":"",*

*"ChannelId":"MT"*

*},*

*"RequestMessageInfo":{*

*"BankId":"",*

*"TimeZone":"",*

*"MessageDateTime":""*

*},*

*"Security":{*

*"Token":{*

*"Certificate":"?",*

*"MessageHashKey":"",*

*"MessageIndex":"",*

*"PasswordToken":{*

*"UserId":"?",*

*"Password":"?"*

*}*

*}*

*},*

*"DeviceInfo":{*

*"DeviceFamily":"?",*

*"DeviceFormat":"?",*

*"DeviceType":"?",*

*"DeviceName":"?",*

*"DeviceIMEI":"?",*

*"DeviceID":"?",*

*"DeviceVersion":"?",*

*"AppVersion":"?",*

*"DeviceOS":"?",*

*"DeviceIp":"123.201.7.2"*

*},*

*"AdditionalInfo":{*

*"SessionId":"1234"*

*}*

*},*

*"RequestBody":{*

*"rblCC\_PartnerOnusDebit\_RequestBody":{*

*"OtpRefNum":"Bm+MbZP2OcztJt5n3SZcr4iGXfVd3goPGJ8DW4HX8VA=",*

*"OTP":"3/giNzcCQ0t3LQTWBb3JyQ==",*

*"ReferenceID":"yT7g7jGN7KOdD8F58BTJu6NXVR6V864q3jERY4YeYwM=",*

*"BeneIFSCCode":"1If6k9nXUvAnTnbLSxDDyA==",*

*"BeneAcctNum":"YPBTt4PWCaIwf/IR+sx6SQ==",*

*"PartnerCode":"MT",*

*"PlanID":"",*

*"beneficiarymobilenumber":"OtHy9cc1MRw7gCYSX869og==",*

*"beneficiarymailid":"",*

*"beneficiarybank":"DNSB BANK LTD",*

*"beneficiaryname":"absb",*

*"BenAddress":"MUMBAI",*

*"TranDesc":"MBR/Nssasssssss"*

*}*

*}*

*}}*

## Request Sample3

*{*

*"rblCC\_PartnerOnusDebit":{*

*"RequestHeader":{*

*"MessageKey":{*

*"RequestUUID":"7478363865",*

*"ServiceRequestId":"CC\_POD\_OnusDebit",*

*"ServiceRequestVersion":"",*

*"ChannelId":"MT"*

*},*

*"RequestMessageInfo":{*

*"BankId":"",*

*"TimeZone":"",*

*"MessageDateTime":"2019040217243109479673"*

*},*

*"Security":{*

*"Token":{*

*"Certificate":"?",*

*"MessageHashKey":"",*

*"MessageIndex":"",*

*"PasswordToken":{*

*"UserId":"?",*

*"Password":"?"*

*}*

*}*

*},*

*"DeviceInfo":{*

*"DeviceFamily":"?",*

*"DeviceFormat":"?",*

*"DeviceType":"?",*

*"DeviceName":"?",*

*"DeviceIMEI":"?",*

*"DeviceID":"?",*

*"DeviceVersion":"?",*

*"AppVersion":"?",*

*"DeviceOS":"?",*

*"DeviceIp":"123.201.7.2"*

*},*

*"AdditionalInfo":{*

*"SessionId":"1234"*

*}*

*},*

*"RequestBody":{*

*"rblCC\_PartnerOnusDebit\_RequestBody":{*

*"OtpRefNum":"4U9pXNeGQe/uFJLHdie1bt0sAOkfAFOnjReH6F0r1EI=",*

*"OTP":"3/giNzcCQ0t3LQTWBb3JyQ==",*

*"ReferenceID":"UtGvbCuUViNIuRSGcuyx4VGxnSZ7sW4EsYr/qoPjt7A=",*

*"PartnerCode":"MT"*

*}*

*}*

*}*

*}*

## Request Sample4

*{*

*"rblCC\_PartnerOnusDebit":{*

*"RequestHeader":{*

*"MessageKey":{*

*"RequestUUID":"738648363",*

*"ServiceRequestId":"CC\_POD\_TranStatus",*

*"ServiceRequestVersion":"",*

*"ChannelId":"MT"*

*},*

*"RequestMessageInfo":{*

*"BankId":"",*

*"TimeZone":"",*

*"MessageDateTime":""*

*},*

*"Security":{*

*"Token":{*

*"Certificate":"?",*

*"MessageHashKey":"",*

*"MessageIndex":"",*

*"PasswordToken":{*

*"UserId":"?",*

*"Password":"?"*

*}*

*}*

*},*

*"DeviceInfo":{*

*"DeviceFamily":"?",*

*"DeviceFormat":"?",*

*"DeviceType":"?",*

*"DeviceName":"?",*

*"DeviceIMEI":"?",*

*"DeviceID":"?",*

*"DeviceVersion":"?",*

*"AppVersion":"?",*

*"DeviceOS":"?",*

*"DeviceIp":"123.201.7.2"*

*},*

*"AdditionalInfo":{*

*"SessionId":"1234"*

*}*

*},*

*"RequestBody":{*

*"rblCC\_PartnerOnusDebit\_RequestBody":{*

*"TranRefNo":"MT2019041815170234182157",*

*"TranType":"IMPS",*

*"RefId":""*

*}*

*}*

*}*

*}*

# *Response Header Parameters*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Business Parameter Name** | **Description** | **Parameter Type** | **Parameter Constraints** | **Comment** |
| **RequestUUID** | **Unique Request ID for every**  **Request needed for tagging** | **String** | **Length=50** | **Mandatory** |
| **ServiceRequestId** | **Unique ID for the service as**  **shared in the API document** | **String** | **Length=20** | **Mandatory** |
| **ServiceRequestVersion** | **Version of the Service** | **String** | **Length=2** |  |
| **ChannelId** | **Channel ID assinged as per**  **the bank** | **String** | **Length=15** | **Mandatory** |
| **BankId** | **bank ID - Value can be blank**  **but tag should be present** | **String** | **Length=12** |  |
| **TimeZone** | **TimeZone for the calling**  **client** | **String** | **Length=15** |  |
| **MessageDateTime** | **Current TimeStamp in**  **specified format** | **String** | **Length=32** | **Mandatory** |
| SessionId |  | String |  |  |

## Response Parameters

|  |  |  |  |
| --- | --- | --- | --- |
| **Business Parameter Name** | **Description** | **Parameter Type** | **Parameter Constraints** |
| ReferenceID |  | String | Length=60 |
| OtpRefNum |  | String | Length=60 |
| TranNum |  | String | Length=60 |
| BranchOriginator |  | String | Length=60 |
| TranRefNo |  | String | Length=50 |
| RBLtransactionid |  | String | Length=50 |
| RRN |  | String | Length=50 |
| respAuthId |  | String | Length=60 |
| transactionAmount |  | String | Length=60 |
| transactionTime |  | String | Length=50 |
| channelpartnerrefno |  | String | Length=30 |
| transactondt |  | String | Length=40 |
| transactionid |  | String | Length=40 |
| amount |  | Numeric | Length=60 |
| paymentstatus | ResidenceCode | Numeric | Length=10 |
| remittername | GenderCode | Numeric | Length=40 |
| remittermblno | PAN | String | Length=40 |
| beneficiaryname | PassportNo | String | Length=40 |
| bank | VoterID | String | Length=40 |
| ifsccode | DriverLicenseNo | String | Length=50 |
| accountnumber | RationCardNo | String | Length=50 |
| status | UniversalIDNo | Numeric | Length=40 |
| bankRefNo | EMailId | String | Length=50 |

## Response Sample1

*{"rblCC\_PartnerOnusDebitResponse": {*

*"ResponseHeader": {*

*"MessageKey": {*

*"RequestUUID": "749579753",*

*"ServiceRequestId": "CC\_POD\_userVal",*

*"ServiceRequestVersion": "",*

*"ChannelId": "MT"*

*},*

*"ResponseMessageInfo": {*

*"BankId": "",*

*"TimeZone": "",*

*"MessageDateTime": "2019040217243109479673"*

*},*

*"AdditionalInfo": {"SessionId": "1234"}*

*},*

*"ResponseBody": {"rblCC\_PartnerOnusDebit\_ResponseBody": {*

*"ReferenceID": "UtGvbCuUViNIuRSGcuyx4VGxnSZ7sW4EsYr/qoPjt7A=",*

*"OtpRefNum": "4U9pXNeGQe/uFJLHdie1bt0sAOkfAFOnjReH6F0r1EI="*

*}},*

*"Status": {*

*"StatusCode": "0",*

*"ErrorCode": "0",*

*"ErrorMessage": "SUCCESS",*

*"DisplayText": "OTP Sent Successfully"*

*}*

*}}*

## Response Sample2

*{"rblCC\_PartnerOnusDebitResponse": {*

*"ResponseHeader": {*

*"MessageKey": {*

*"RequestUUID": "7478363865",*

*"ServiceRequestId": "CC\_POD\_Debit",*

*"ServiceRequestVersion": "",*

*"ChannelId": "MT"*

*},*

*"ResponseMessageInfo": {*

*"BankId": "",*

*"TimeZone": "",*

*"MessageDateTime": ""*

*},*

*"AdditionalInfo": {"SessionId": "1234"}*

*},*

*"ResponseBody": {"rblCC\_PartnerOnusDebit\_ResponseBody": {*

*"TranNum": "rOG8sy9drlpH86zKHULX8Q==",*

*"BranchOriginator": "M9pjPMM3l7nOymd+uGftwNjRdO68AjRZpRxpj2FVJ0c=",*

*"TranRefNo": "RC3zGLJ1ADN9+9SOeMeZ8g=="*

*}},*

*"Status": {*

*"StatusCode": "0",*

*"ErrorCode": "NEFT\_0000",*

*"ErrorMessage": "SUCCESS",*

*"DisplayText": "NEFT Transaction Done Successfully"*

*}*

*}}*

## Response Sample3

*{"rblCC\_PartnerOnusDebitResponse": {*

*"ResponseHeader": {*

*"MessageKey": {*

*"RequestUUID": "7478363865",*

*"ServiceRequestId": "CC\_POD\_OnusDebit",*

*"ServiceRequestVersion": "",*

*"ChannelId": "MT"*

*},*

*"ResponseMessageInfo": {*

*"BankId": "",*

*"TimeZone": "",*

*"MessageDateTime": "2019040217243109479673"*

*},*

*"AdditionalInfo": {"SessionId": "1234"}*

*},*

*"ResponseBody": {"rblCC\_PartnerOnusDebit\_ResponseBody": {*

*"respAuthId": "kKfGpB2MSE4ZNt7v/lfR/g==",*

*"transactionAmount": "9fO1RV6IZIazfiDKKFB6zA==",*

*"transactionTime": "2019-05-07T10:39:20.149760+05:30"*

*}},*

*"Status": {*

*"StatusCode": "0",*

*"ErrorCode": "0",*

*"ErrorMessage": "SUCCESS",*

*"DisplayText": "OnusDebit Done Successfully"*

*}*

*}}*

## Response Sample4

*{"rblCC\_PartnerOnusDebitResponse": {*

*"ResponseHeader": {*

*"MessageKey": {*

*"RequestUUID": "",*

*"ServiceRequestId": "",*

*"ServiceRequestVersion": "",*

*"ChannelId": ""*

*},*

*"ResponseMessageInfo": {*

*"BankId": "",*

*"TimeZone": "",*

*"MessageDateTime": ""*

*},*

*"AdditionalInfo": {"SessionId": ""}*

*},*

*"ResponseBody": {"rblCC\_PartnerOnusDebit\_ResponseBody": {"transactionrequeryres": {*

*"channelpartnerrefno": "MT2019041815170234182157",*

*"transactondt": "4/18/2019 3:17:30 PM",*

*"transactionid": "IIB7PD9X",*

*"amount": "50000.0000",*

*"paymentstatus": "2",*

*"remittername": "SACHIN",*

*"remittermblno": "0000000000",*

*"beneficiaryname": "absb",*

*"bank": "DNSB BANK LTD",*

*"ifsccode": "DNSB0000021",*

*"accountnumber": "1095",*

*"status": "1",*

*"bankRefNo": ""*

*}}},*

*"Status": {*

*"StatusCode": "0",*

*"ErrorCode": "0",*

*"ErrorMessage": "SUCCESS",*

*"DisplayText": "Transaction Details Sent Successfully"*

*}*

*}}*

***Response Codes***

|  |  |  |
| --- | --- | --- |
| **Response Stage** | **Response Code** | **Response Message** |
| SUCCESS |  | SUCCESS |
| FAILURE |  | FAILURE |

## Error Codes

|  |
| --- |
| **Warning Message and Description** |
|  |
|  |
|  |
|  |
|  |
|  |
|  |
|  |
|  |
|  |
|  |
|  |