**API Description Document**

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| Comments: | |

**Revision History**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Document/Dept. Owner: | BSG | | | | |
| Created By: | Arpitam Das | | Date: | | 17 – Oct – 2017 |
| Revised By | | Date Revised | | New Version # | |
|  | |  | |  | |
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**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 – RBL API Banking*

*The API would create a virtual account for every current account present in the corporate.*

# List of API

*List down the APIs part of the projects:*

|  |  |  |
| --- | --- | --- |
| **Sr. No** | **Name** | **Description** |
| 1 | Virtual Account Creation | The API would create a Virtual Account against the Current Account Number on every Request. |

## API Name

## Create\_VA

## Description

The API would create a Virtual Account against the Current Account Number on every Request.

***Process flow, UML Diagram***

*NA*

## Transport protocol (SOAP / REST)

*REST*

## API Request URLs

https://apideveloper.rblbank.com/test/sb/rbl/api/create\_VA/create\_VA

## Request Parameters

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Business Parameter Name** | **Description** | **Parameter Name** | **Parameter Type** | **Parameter Constraints** | **Comments** |
| TranID | Transaction Id | TranID | String | Alphanumeric  MaxLength=20 | Transaction ID generated by consumer which is unique |
| Corp\_ID | Corporate Id | Corp\_ID | String | Alphanumeric MaxLength=20 | Unique ID assigned to each enrolled Corporate |
| Maker\_ID | Maker Id | Maker\_ID | String | Alphanumeric MaxLength=20 | Unique ID for request creator |
| Checker\_ID | Checker Id | Checker\_ID | String | Alphanumeric MaxLength=20 | Unique ID for request checker |
| Approver\_ID | Approver Id | Approver\_ID | String | Alphanumeric  MaxLength=20 | Unique ID for request approver |
| Account\_No | Account Number | Account\_No | String | Alphanumeric  MaxLength=20 | Current Account Number |
| Client\_Id | Client ID | Client\_Id | String | Alphanumeric  MaxLength=5 | Unique Client Identification |
| VA\_SerialNo | Virtual Account Serial Number | VA\_SerialNo | String | Alphanumeric | Serial Number for Virtual Account(Length is user-defined in the ESB Database) |
| VA\_Beneficiary | Virtual Account Beneficiary Name | VA\_Beneficiary | String | Alphanumeric  MaxLength=100 | Beneficiary Name for Virtual Account |
| Bank\_Code | Beneficiary Bank Code | Bank\_Code | String | Alphanumeric  MaxLength=20 | Beneficiary Bank Code |
| Bank\_IFSC | Beneficiary Bank IFSC | Bank\_IFSC | String | Alphanumeric  MaxLength=15 | Beneficiary Bank IFSC |
| Ben\_Address | Beneficiary Address | Ben\_Address | String | Alphanumeric  MaxLength=50 | Beneficiary Address |
| Ben\_Mobile | Beneficiary Mobile Number | Ben\_Mobile | Number | Numeric  MaxLength=10 | Beneficiary Mobile Number |
| Ben\_Account\_Number | Beneficiary Account Number | Ben\_Account\_Number | String | Alphanumeric  MaxLength=20 | Beneficiary Account Number |
| Mode\_Of\_Pay | Mode of Payment | Mode\_Of\_Pay | String | NEFT/RTGS/IMPS/DD/FT | Mode of Payment |
| Percentage | Percentage of Amount Payable | Percentage | String | Numeric  MaxLength=10 | Percentage of Amount Payable, The percentage is a modifiable field |
| VA\_Modify | Virtual Account Modification Flag | VA\_Modify | String | Y/N | Modification Flag whether ‘Y’ or ‘N’ |
| Full\_VA\_Number | Full Virtual Account Number | Full\_VA\_Number | String | Alphanumeric  MaxLength=100 | Mandatory if Modification Flag is ‘Y’ |

## Request Sample

*{    
   "create\_VA":{    
      "Header":{    
         "TranID":"123125421402",  
         "Corp\_ID":"MC001",  
         "Maker\_ID":"M001",  
         "Checker\_ID":"C001",  
         "Approver\_ID":"A001"  
      },  
      "Body":{    
         "Account\_No":"123456",  
         "Client\_Id":"ABC01",  
         "VA\_SerialNo":"VIRTUALACC",  
         "VA\_Beneficiary":"TOURS TRAVEL PVT LTD",  
         "Bank\_Code":"BankCd",  
         "Bank\_IFSC":"DCBL0000002",  
         "Ben\_Address":"ABCDEFG",  
         "Ben\_Mobile":"9999999999",  
         "Ben\_Account\_Number":"1256905",  
         "Mode\_Of\_Pay":"NEFT",  
         "Percentage":"70",  
         "VA\_Modify":"N",  
         "Full\_VA\_Number":""  
      }  
   }  
}*

***Response Parameters***

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Business Parameter Name** | **Description** | **Parameter Name** | **Parameter Type** | **Parameter Constraints** | **Comments** |
| TranID | Transaction Id | TranID | String | Alphanumeric  MaxLength=20 | Transaction ID generated by customer which is unique |
| Status | Status | Status | String | Alphanumeric | SUCCESS/ FAILURE |  |  |  |
| Full\_VA\_Number | Full Virtual Account Number | Full\_VA\_Number | String | Alphanumeric | Full Unique VA number generated in ESB |  |  |  |
| Account\_Number | Current Account Number | Account\_Number | String | Alphanumeric | The current physical account number |  |  |  |
| VA\_Number | Virtual Account Number | VA\_Number | String | Alphanumeric | The Virtual Account number generated by ESB. |  |  |  |
| Short\_Name | Virtual Account Short Name | Short\_Name | String | Alphanumeric | The virtual account short name |  |  |  |
| CIF | CIF Details | CIF | String | Alphanumeric | CIF ID details |
| VA\_BENEFICIARY | Beneficiary Name | VA\_BENEFICIARY | String | Alphanumeric | The Beneficiary Name of the customer |
| Status\_Reason | Status Reason | Status\_Reason | String | Alphanumeric | Status reason once the account is created. |

## Response Sample

*{*

*"create\_VA":{*

*"Header":{*

*"TranID":"123125421402",*

*"Status":"Success"*

*},*

*"Details":{*

*"Full\_VA\_Number":"VAABC01VIRTUALACC",*

*"Account\_Number":"123456",*

*"VA\_Number":"VAABC01",*

*"Short\_Name":"ABC01",*

*"CIF":"1495210",*

*"VA\_BENEFICIARY":"TOURS TRAVEL PVT LTD",*

*"Status\_Reason":"NewAccount"*

*}*

*}*

*}*

Response Codes

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

## Error Codes

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Error Code** | **Error Type** | **Short Message** | **Long Message** | **Correcting This Error** | **Error Type** |
|  | Validation | Duplicate Tran Id |  | Enter a unique Id |  |
|  | Validation | Please Enter Tran Id |  | Enter Tran Id |  |
|  | Validation | Please Enter Corp Id |  | Enter Corp Id |  |
|  | Validation | Please Enter Account Number |  | Enter Account Number |  |
|  | Validation | Please Enter Client Id |  | Enter Client Id |  |
|  | Validation | Please Enter Beneficiary Name |  | Enter Beneficiary Name |  |
|  | Validation | Invalid Corp Id |  | Enter Valid Corp Id |  |
|  | Validation | Beneficiary Name should be less than or equal to 100 |  | Enter Beneficiary Name less than or equal to 100 Characters |  |
|  | Validation | Invalid Serial Number Length |  | Enter a valid serial number length |  |
|  | Validation | Invalid Input Data |  | Enter valid data in the input request |  |
|  | Validation | Please enter Maker Id |  | Enter Maker Id |  |
|  | Validation | Please enter Checker Id |  | Enter Checker Id |  |
|  | Validation | Please enter Approver Id |  | Enter Approver Id |  |
|  | Validation | Maker Id should be less than or equal to 20 characters |  | Enter Maker Id less than or equal to 20 characters |  |
|  | Validation | Checker Id should be less than or equal to 20 characters |  | Enter Checker Id less than or equal to 20 characters. |  |
|  | Validation | Approver Id should be less than or equal to 20 |  | Enter Approver Id less than or equal to 20 characters. |  |
|  | Validation | Virtual Account Already Exists |  | Enter new input details , as same virtual account already exists. |  |
| ER001 | General | Improper JSON Format |  | Enter a proper JSON Format Request |  |
| ER002 | Validation | Schema Validation Failure |  | Enter proper data types and constraints |  |
| ER006 | Technical | Timeout Exception Occurred |  | ESB Service didn’t respond because a technical roadblock. |  |
| ER018 | Validation | Error Occurred While Accessing The ESB Database |  | Enter proper request field length and check ESB database |  |

# *Appendix*

***List of mandatory tags in request and response***

|  |  |  |
| --- | --- | --- |
| **MANDATORY REQUEST FIELDS** | | |
| **FIELDS** | **TAGS MANDATORY** | **VALUES MANDATORY** |
| TranID | Y | Y |
| Corp\_ID | Y | Y |
| Maker\_ID | N | N |
| Checker\_ID | N | N |
| Approver\_ID | N | N |
| Account\_No | Y | Y |
| Client\_Id | Y | Y |
| VA\_SerialNo | Y | Y |
| VA\_Beneficiary | Y | Y |
| Bank\_Code | N | N |
| Bank\_IFSC | N | N |
| Ben\_Address | N | N |
| Ben\_Mobile | N | N |
| Ben\_Account\_Number | N | N |
| Mode\_Of\_Pay | N | N |
| Percentage | N | N |
| VA\_Modify | N | N |
| Full\_VA\_Number | N | N |

|  |  |  |
| --- | --- | --- |
| **MANDATORY RESPONSE FIELDS** | | |
| **FIELDS** | **TAGS MANDATORY** | **VALUES MANDATORY** |
| TranID | Y | Y |
| Status | Y | Y |
| Full\_VA\_Number | Y | Y |
| Account\_Number | Y | Y |
| VA\_Number | Y | Y |
| Short\_Name | Y | Y |
| CIF | Y | Y |
| VA\_BENEFICIARY | Y | Y |
| Status\_Reason | Y | Y |