**API Description Document**

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**Revision History**

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# Introduction

*Project – RBL API Banking*

# List of API

*List down the APIs part of the projects:*

|  |  |  |
| --- | --- | --- |
| **Sr. No** | **Name** | **Description** |
| 1 | doCreateRequest | Create a Bill Discounting Request at RBL core systems. This API shall be exposed for Corporates to consume. |

## API Name

doCreateRequest*.*

## Description

1. API to upload pdf files for Bill Discounting Purpose*.*

***Process flow, UML Diagram***

*Please add detailed process flow, UML diagram where were necessary.*

## Transport protocol (SOAP / REST)

*REST*

## API Request URLs

[***https://apideveloper.rblbank.com/test/sb/rbl/api/trade-pro/create***](https://apideveloper.rblbank.com/test/sb/rbl/api/trade-pro/create)

***Request Parameters***

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Business Parameter Name** | **Description** | **Parameter Name** | **Parameter Type** | **Parameter Constraints** | **Comments** |
| TranID | Unique Transaction ID |  | String | 1…1 | Unique Transaction ID generated by Customer Host system for each request to RBL API |
| CorpID | Unique Corporate ID |  | String | 1…1 | Corporate ID provided by RBL |
| Maker\_ID | Corporate Maker ID |  | String | 1…1 | Customers MAKER ID  (under the maker checker approver hierarchy) |
| Checker\_ID | Corporate Checker ID |  | String | 1…1 | Customers Checker ID  (under the maker checker approver hierarchy) |
| Approver\_ID | Corporate Approver ID |  | String | 1…1 | Customers APPROVER ID  (under the maker checker approver hierarchy) |
| Customer ID | Customer ID |  | String | 1…1 | Customer ID for each Corporate. If the corporate itself is the final customer, then CORPID can be used here.  Shall be provided by  RBL . |
| Account\_No | Account Number |  | String | 1…1 | Customer account Number. |
| Tr\_Currency | Transaction Currency |  | String | 1…1 | Transaction Currency Code (ISO format) |
| Tr\_Amount | Transaction Amount |  | String | 1…1 | Transaction Amount with maximum 3 decimal values |
| Process\_ID | Process ID |  | String | 1…1 | Process ID generated by the Customers Host System.  **Condition 01**: Process ID should be the same when PDFs are uploaded in multiple requests/instances  **Condition 02** : Same process ID cannot be used for subsequent requests, when the previous request was sent with more data flag as “N” |
| Comments | Remarks or Comments |  | String | 1…1 | Comments / Remarks related to the request |
| MoreData | MoreData |  | String | Y or N  **Condition 01** – Multiple instances of pdf files can be uploaded with Value Y. This value means there are more PDFs to be uploaded in subsequent requests  **Condition 02** – When value is N for the current request, it is considered as the last PDF file and no further instances of pdf can be uploaded for the same process ID | Values **Y** or **N**  **Y** – More PDF files are to be uploaded for the same process ID  **N** – No more PDF files are pending for upload for the process ID and the current request is considered as the last file upload. |
| FileName | Array of File Name |  | String | 1…1 | Name of the File(s) getting uploaded as a part of the Bill Discounting Request |
| File | Array of Files |  | String | 1…1 | Base64 encoded file content |

***Response Parameters***

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Parameter Name** | **Description** | **Business Name** | **Parameter Type** | **Parameter Constraints** | | **Comments** |
| CorpID | Unique Corporate ID |  | String | | 1…1 | Corporate ID received in the request |
| TranID | Unique Transaction ID |  | String | | 1…1 | Unique Transaction ID received in the request |
| Maker\_ID | Corporate Maker ID |  | String | | 1…1 | Customers MAKER ID received in the request |
| Checker\_ID | Corporate Checker ID |  | String | | 1…1 | Customers Checker ID received in the request |
| Approver\_ID | Corporate Approver ID |  | String | | 1…1 | Customers APPROVER ID received in the request |
| RspTrnID | Response Transaction ID |  | String | | 1…1 | Acquiring Transaction ID from RBL. Host-to-Host Tracking of status for the Bill Discounting Request can be done using this ID |
| TrackingIUR | Tracking IUR |  | String | | 1…1 | RBL core system Intermediate Tracking Reference Number |
| STATUS | Trxn Status |  | String | | 0…1 | description of the Status  Success or Failure |
| ErrorCD | Error Code if any |  | String | | 0…1 | Error Code for the Request submitted. A short description of Error\_CD shall be available in Trn\_Status\_Desc.  Ex : **ERRTP004** |
| Error Desc | Description of error |  | String | | 1….1 | Description of error  Ex : Schema Validation Failure |

## FT Request Sample:

*{*

*"doCreateRequest":{*

*"Header": {*

*"TranID": "TP0109",*

*"Corp\_ID": "MC005",*

*"Maker\_ID": "M005",*

*"Checker\_ID": "C005",*

*"Approver\_ID": "A005"*

*},*

*"Body": {*

*"CustomerID": "0102",*

*"Account\_No": "2313451",*

*"Tr\_Currency": "INR",*

*"Tr\_Amount": "300.346",*

*"Process\_ID": "0162",*

*"Comments": "DONE",*

*"MoreData": "N",*

*"FileDtls": [*

*{*

*"FileName": "TEST1001.pdf",*

*"File": "JVBERi0xLjQNJeLjz9MNCjEgMCBvYmoNPDwgDS9UeXBlIC9QYWdlIA0vUGFyZW50IDE3NzggMCBS*

*NiAwMDAwMCBuDQowMDAxO3QgMTc5NCAwIFIgDS9JRFs8MTZkYjU5*

*YzQ5ZWI0NjU1ZTNkODY3YzU0ZTkwOTMzYzY+PDI5MmRiNTg0MDM5MDhiYjVkNjUwMGZlYmNmYTE2*

*MWUyPl0NPj4Nc3RhcnR4cmVmDTIwMjY5MTMNJSVFT0YN"*

*}*

*]*

*}*

*}*

*}*

## FT Response Sample

*{"doCreateRequestResp": {*

*"Header": {*

*"TranID": "TP0108",*

*"Corp\_ID": "MC005",*

*"Maker\_ID": "M005",*

*"Checker\_ID": "C005",*

*"Approver\_ID": "A005"*

*},*

*"Body": {*

*"Status": "Failure",*

*"Error\_Cde": "ERRTP004",*

*"Error\_Desc": "Schema Validation Failure"*

*}*

*}}*

**Response Codes**

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

## Error Codes

|  |  |
| --- | --- |
| **Error Codes** | **Error Description** |
| ERRTP002 | Timeout Exception Occurred |
| ERRTP003 | Improper JSON Format |
| ERRTP004 | Schema Validation Failure |
| ERRTP005 | Error Occurred While Calling Provider Service |
| ERRTP006 | Error Occurred While Accessing The ESB Database |
| ERRTP001 | Technical Failure |
| ER003 | Customer ID and REQ\_REF\_NO mismatch |
| ER004 | Invalid CorpId |
| ER005 | Invalid Corporate Hierarchy |
| ER009 | Duplicate Tran ID |
| ER0011 | Excel file already generated for given Process ID. Please change the Process ID |

## Mandatory and Non- Mandatory fields/tags

|  |  |
| --- | --- |
| Parameter Name | Mandatory/Non-Mandatory |
| TranID | Mandatory |
| CorpID | Mandatory |
| Maker\_ID | Non-Mandatory |
| Checker\_ID | Non-Mandatory |
| Approver\_ID | Non-Mandatory |
| Customer ID | Mandatory |
| Account\_No | Mandatory |
| Tr\_Currency | Mandatory |
| Tr\_Amount | Mandatory |
| Process\_ID | Mandatory |
| Comments | Non-Mandatory |
| MoreData | Mandatory |
| FileName | Mandatory |
| File | Mandatory |