

Single Payment Corp Status_v1.8
API Specification Document

Table of Contents

1.	SCOPE AND BUSINESS CASE OVERVIEW	4
1.1	PROJECT OVERVIEW.....	4
1.2	CURRENT PROCESS & OPPORTUNITY	4
1.3	HIGH-LEVEL BUSINESS REQUIREMENTS.....	4
1.3.1	Functional Requirement	4
1.3.2	Non- Functional Requirement.....	4
1.4	BUSINESS BENEFIT CASE	4
1.4.1	Financial Benefit	4
1.4.2	Non-Financial Benefit.....	4
2.	ACCEPTANCE CRITERIA & PROJECT PLAN	5

This document needs to be completed by BSG & IT/Vendor for each Application /API.

Introduction

Project – RBL API Banking

List of API

List down the APIs part of the projects:

Sr. No	Name	Description
1	Single Payment Status Corp	Fetches the status of the required transaction

API Name

POST /payment/query

Description

The API fetches the status of the required transaction.

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/v1/payments/corp/payment/query>

Access Requirement

The following are the information that needs to be passed in every invocation to access

1. Protocol Header – Authorization: Valid User Name and password in encoded in Base64 in the HTTP header called “Authorization” with a value “BASIC XXXXXXXX” where XXXXXXXX is the base64 encoded value for the string that contains username and password. For e.g. user0001:Pasww0rd!
2. URL Parameter – “client_id” with the value of the client Id obtained from the Advanced Developer Portal
3. URL Parameter – “client_secret” with the value of the client secret obtained from the Advanced Developer Portal
4. Client Certificate – A valid client certificate that the invoking App owner has shared with RBL API Administration team.

Request Parameters

Business Parameter Name	Description	Parameter Name	Parameter Type	Parameter Constraints	Comments
TranID	Transaction Id	TranID	String	MaxLength=20	Transaction ID generated by consumer which is unique
Corp_ID	Corporate Id	Corp_ID	String	MaxLength=20	Unique ID assigned to each enrolled Corporate
Maker_ID	Maker Id	Maker_ID	String	MaxLength=20	Unique ID for request creator

Checker_ID	Checker Id	Checker_ID	String	MaxLength=20	Unique ID for request checker
Approver_ID	Approver Id	Approver_ID	String	MaxLength=20	Unique ID for request approver
RefNo	Reference Number	RefNo	String	MaxLength=20	RefNo of the transaction for which the details are required
UTRNo	UTRNo	UTRNo	String	MaxLength=20	UTR of the transaction for which the details are required (Only incase of NEFT/RTGS)
RRN	RRN	RRN	String	MaxLength=20	RefNo of the transaction for which the details are required (Only incase of IMPS)
Signature	Signature	Signature	String	No max length defined.	Encrypted key for authenticating the request. Currently not required.

Request Sample

```
{
  "get_Single_Payment_Status_Corp_Req": {
    "Header": {
      "TranID": "0001",
      "Corp_ID": "MC001",
      "Maker_ID": "M001",
      "Checker_ID": "C001",
      "Approver_ID": "A001"
    },
    "Body": {
      "RefNo": "1005214345231"
    },
    "Signature": {
      "Signature": "12345"
    }
  }
}
```

Response Parameters

Business Parameter Name	Description	Parameter Name	Parameter Type	Parameter Constraints	Comments
TranID	Transaction Id	TranID	String	MaxLength=20	Transaction ID generated by consumer which is unique
Corp_ID	Corporate Id	Corp_ID	String	MaxLength=20	Unique ID assigned to each enrolled Corporate
Maker_ID	Maker Id	Maker_ID	String	MaxLength=20	Unique ID for request creator
Checker_ID	Checker Id	Checker_ID	String	MaxLength=20	Unique ID for request checker
Approver_ID	Approver Id	Approver_ID	String	MaxLength=20	Unique ID for request approver
Status	Status	Status	String		SUCCESS/ FAILURE
Error_Cde	Error Code	Error_Cde	String		If Error occurs provides error code
Error_Desc	Error Description	Error_Desc	String		If Error occurs provides error description
RefNo	Reference Number	RefNo	String	MaxLength=20	RefNo of the transaction for which the details are required
UTRNo	UTRNo	UTRNo	String	MaxLength=20	UTR of the transaction for which the details are required (Only incase of NEFT/RTGS)
RRN	RRN	RRN	String	MaxLength=20	RefNo of the transaction for which the details are required (Only incase of IMPS)
Ben_Acct_No	Beneficiary Account Number	Ben_Acct_No	String	MaxLength=20	Account number of the beneficiary of the transactions
TxnStatus	Transaction Status	TxnStatus	String	SUCCESS/ FAILURE	Status of the transactions
StatusDesc	Status Description	StatusDesc	String		Failure reason provided incase of a failed transaction
TxnTime	Transaction Time	TxnTime	Timestamp		2015-10-21 13:19:42.34
Signature	Signature	Signature	String	No max length defined.	Encrypted key for authenticating the request. Currently not required.

Response Sample

```
{
  "get_Single_Payment_Status_Res": {
    "Header": {
      "TranID": "0001",
      "Corp_ID": "MC001",
      "Maker_ID": "M001",
      "Checker_ID": "C001",
      "Approver_ID": "A001",
      "Status": "SUCCESS",
      "Error_Cde": "",
      "Error_Desc": ""
    },
    "Body": {
      "REFNO": "1005214345231",
      "UTRNO": "",
      "RRN": "",
      "BEN_ACCT_NO": "1000110010002463",
      "TXNSTATUS": "Success",
      "TXNTIME": "2015-10-21 13:19:42.34"
    },
    "Signature": {"Signature": "12345"}
  }
}
```

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
ER001	General	Improper JSON Format	Improper JSON Format		
ER002	Validation	Schema Validation Failure	Schema Validation Failure		
ER003	Validation	Invalid CorpId	Invalid CorpId		
ER004	Technical	Technical Failure	Technical Failure		
ER005	Validation	Please provide RefNo/UTR No/RRN	Please provide RefNo/UTR No/RRN		

ER006	Technical	Timeout Exception Occurred	Timeout Exception Occurred		
ER007	Business	Other FI Error	Other FI Error		
ER008	Validation	Invalid Corporate Hierarchy	Invalid Corporate Hierarchy		
ER009	Validation	RefNo does not exist	RefNo does not exist		
ER010	Validation	UTRNo does not exist	UTRNo does not exist		
ER011	Validation	RRN No does not exist	RRN No does not exist		

Appendix

List of mandatory tags for request and response

SINGLE PAYMENT STATUS CORP REQUEST		
FIELDS	TAGS MANDATORY	VALUES MANDATORY
Header	Y	NA
Header/TranID	Y	Y
Header/Corp_ID	Y	Y
Header/Maker_ID	Y	N
Header/Checker_ID	Y	N
Header/Approver_ID	Y	N
Body	Y	NA
Body/RefNo	N	Y (If tags are present)
Body/UTRNo	N	Y (If tags are present)
Body/RRN	N	Y (If tags are present)
Signature	Y	NA
Signature/Signature	Y	N

SINGLE PAYMENT STATUS CORP RESPONSE SUCCESS		
FIELDS	TAGS MANDATORY	VALUES MANDATORY
Header	Y	NA
Header/TranID	Y	Y
Header/Corp_ID	Y	Y
Header/Maker_ID	Y	N
Header/Checker_ID	Y	N
Header/Approver_ID	Y	N
Header/Status	Y	Y
Header/Error_Cde	Y	N
Header/Error_Desc	Y	N
Body	Y	NA
Body/RefNo	If provided in request	If provided in request

Body/UTRNo	If provided in request	If provided in request
Body/RRN	If provided in request	If provided in request
Body/Ben_Acct_No	Y	Y
Body/TxnStatus	Y	Y
Body/StatusDesc	Y	Only incase of a failed transaction
Body/TxnTime	Y	Y
Signature	Y	NA
Signature/Signature	Y	N

ERROR		
FIELDS	TAGS MANDATORY	VALUES MANDATORY
Header	Y	NA
Header/TranID	Y	Y
Header/Corp_ID	Y	Y
Header/Maker_ID	Y	N
Header/Checker_ID	Y	N
Header/Approver_ID	Y	N
Header/Status	Y	Y
Header/Error_Cde	Y	Y
Header/Error_Desc	Y	Y
Body	N	NA
Body/RefNo	N	N
Body/UTRNo	N	N
Body/RRN	N	N
Body/Ben_Acct_No	N	N
Body/TxnStatus	N	N
Body/StatusDesc	N	N
Body/TxnTime	N	N
Signature	Y	NA
Signature/Signature	Y	N