Single Payment Corp_v1.8 API Specification Document





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

Introduction

RBL Single Payment API makes it easy to initiate one to one payments from your erstwhile system.

List of API

List down the APIs part of the projects:

Sr. No	Name	Description
1	Single Payment Corp	This service does all the single payment transactions. This includes payment via Fund Transfer / NEFT / RTGS and IMPS.

API Name

POST /payment

Description

The Single Payment API allows you to initiate unitary payment via following channels.

- 1. Fund Transfer (between accounts within the RBL Bank)
- 2. National Electronic Funds Transfer (NEFT)
- 3. Real-time gross settlement' systems (RTGS)
- 4. Immediate Payment Service (IMPS)
- 5. Demand Draft printing (DD)

Transport protocol (SOAP / REST)

REST

API Request URLs

https://apideveloper.rblbank.com/test/sb/rbl/v1/payments/corp/payment

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 XXXXXXX 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

Parameter Name	TAG Mandatory	Value Mandatory	Sample Value	Description	Parameter Constraints, Max Length	Valid for Mod of pymt
				Transaction ID generated by customer which is unique		
				This is unique identifier for each		FT,NEFT,RTGS,I
TranID	Y	Y	123	message	16	MPS,DD

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I	ı	1	I	Haiana Cama ID	1	1 1
				Unique Corp ID		
				allotted by the bank		
				to the customer,		
				Debit account is		ET MEET DEGG
G ID	**	**	3.5000.5	mapped to this	•	FT,NEFT,RTGS,I
Corp_ID	Y	Y	MC005	Corp ID	20	MPS,DD
				Maker ID as		
				provided by the		
				customer while		FT,NEFT,RTGS,I
Maker_ID	Y	N	M001	onboarding	20	MPS,DD
				Checker ID as		
				provided by the		
				customer while		FT,NEFT,RTGS,I
Checker ID	Y	N	C001	onboarding	20	MPS,DD
_				Approver ID as		
			4 001	provided by the		
			A001	customer while		FT,NEFT,RTGS,I
Approver ID	Y	N		onboarding	20	MPS,DD
110010101	-			Amount for which		1.11 5,5 5
			100000.0	payment initiated		FT,NEFT,RTGS,I
Amount	Y	Y	0	**	20	MPS,DD
Amount	1	1	0	Valid Actual	20	WII 5,DD
				Current Account		
				Number allotted to		FT,NEFT,RTGS,I
Dahit Aget No	Y	Y	1256905		50	MPS,DD
Debit_Acct_No	ı	I		the customer	30	
Debit_Acct_Na	37	37	TEJU	C 1 N	50	NEFT,RTGS,IMP
me	Y	Y	MAHTO	Sender Name	50	S
D 11: 36 11	**	**	8888888	Mobile number of	10	n ma
Debit_Mobile	Y	Y	888	the sender	10	IMPS
				IFSC code of the		
				beneficiary (to		
			CBIN0R	whom the funds are		NEFT,RTGS,IMP
Ben_IFSC	Y	Y	10001	being sent)	15	S
				Name of the		
				party/Vendor whom		
				payment being		
				done, or the		
				identifier customer		
				wish to see on the		
Debit TrnPartic				narration of the		
ulars	Y	Y	RAJESH	statement	50	FT
				Additional remarks		
				while sending the		
				payment, may be		
Debit PartTrnR				used for MIS		
mks	N	N	INV1234	purpose	30	FT
THE	11	11	11111237	Account number of	50	1.1
			1000110	the beneficiary		
			01000110	Borrower who has		
				account with RBL		
			63			
			'2500109	bank		
D A CNT	37	37	9001100	^ static account for	50	FT,NEFT,RTGS,I
Ben_Acct_No	Y	Y	01^	DD issuance	50	MPS,DD
				Name of the		NEFT,RTGS,DD,
Ben_Name	Y	Y	Sankha	beneficiary to	35	IMPS
Dell_Ivalife	1	1	Balikila	ochericiary to	33	11411 0

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Ben BankName	1	1	1	1	1	•	•
Ben BankName Y Y Dank Name 20 IMPS					1 -		
Ben BankName Y Y Dank name 20 IMPS					is made		
Ben BankName Y Y Dank name 20 IMPS				ARC	Reneficiary bank		
Ben Address Y Y Address of the beneficiary So NEFT,RTGS,IMP	Ren RankName	v	v		•	20	IMPS
Ben Address Y Y Al beneficiary 50 NEFT,RTGS,IMP	Ben_Bunki tunic	1	1			20	IIVII D
Ben Email	Ren Address	V	v			50	NEET RTGS
Ben_Email ^	Dell_Address	1	1		ocherican y	30	
Ben Mobile A	Ran Email ^^	v	v		Ranaficiary amail	50	
Ben_Mobile Y	Dell_Ellian	1	1			30	
Ben_BankCd	Ran Mobile ^^	v	v			10	
Ben BankCd Y Y O070" Code A DD	Dell_Mobile	1	1	004		10	S
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Ben_BranchCd Y Y O070' code 4 DD	Dell_BallkCu	I	I	170		3	עע
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Ben_TmParticul ars							
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RptCode N Y HSBA identification Sample value) FT Encrypted key for authenticating the request. Currently defined. FT,NEFT,RTGS,I						As specified (
Encrypted key for authenticating the request. Currently defined. FT,NEFT,RTGS,I	Ī		1		internal transaction		
Encrypted key for authenticating the request. Currently defined. FT,NEFT,RTGS,I					internal transaction	Complex relies	
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request. Currently defined. FT,NEFT,RTGS,I	RptCode	N	Y	HSBA	identification	Sample value)	FT
	RptCode	N	Y	HSBA	identification Encrypted key for		FT
	RptCode	N	Y	HSBA	identification Encrypted key for authenticating the	No max length	

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- ** Parameter Type : Number , Rest all TAG are String
- ^ Default DD account in case of DD type of payment
- ^^ Ben_Email and Ben_Mobile tags and values are optional but either of the tag should be there in a payload with value

Request & Response Parameters

```
SAMPLE NEFT JSON REQUEST
                                                      SAMPLE NEFT JSON RESPONSE
                                                      {"Single Payment Corp Resp": {
                                                       "Header": {
  "Single Payment Corp Req": {
                                                         "TranID": "10243115A825B341",
    "Header": {
                                                         "Corp_ID": "MC008",
      "TranID": "10243115A825B341",
      "Corp_ID": "MC008",
                                                         "Maker ID": "M010",
                                                         "Checker ID": "C010",
      "Maker ID": "M010",
      "Checker ID": "C010",
                                                         "Approver ID": "A010",
                                                         "Status": "Initiated",
      "Approver ID": "A010"
                                                         "Error Cde": {},
                                                         "Error Desc": {}
    "Body": {
      "Amount": "200",
      "Debit_Acct_No": "309000209146",
                                                       "Body": {
                                                         "RefNo": "10243115A825B341",
      "Debit Acct Name": "Gabriala Dcosta",
      "Ben IFSC": "SBIN0017942",
                                                         "UTRNo": "RATNN16012044460",
      "Ben Acct No": "1006211030035980",
                                                         "PONum": "000005789899",
                                                         "Ben Acct No": "1006211030035980",
      "Ben Name": "Sankha",
      "Ben_Address": "MUMBAI",
                                                         "Txn Time": "2016-01-12 16:42:48.689343"
      "Ben Email": "deep2005@gmail.com",
                                                       "Signature": {"Signature": ""}
      "Ben Mobile": "7023923604",
      "Mode_of_Pay": "NEFT",
      "Remarks": "DMR1234567"
    "Signature": {
      "Signature": ""
```

```
SAMPLE RTGS JSON REQUEST
                                                     SAMPLE RTGS JSON RESPONSE
                                                     {"Single_Payment_Corp_Resp": {
  "Single Payment Corp Req": {
                                                       "Header": {
                                                        "TranID": "10243115A825B381",
    "Header": {
      "TranID": "10243115A825B371",
                                                        "Corp ID": "MC008",
      "Corp ID": "MC008",
                                                        "Maker ID": "M010",
      "Maker ID": "M010",
                                                        "Checker ID": "C010",
      "Checker ID": "C010",
                                                        "Approver ID": "A010",
                                                        "Status": "Initiated",
      "Approver ID": "A010"
                                                        "Error Cde": {},
    "Body": {
                                                        "Error Desc": {}
      "Amount": "200000",
      "Debit Acct No": "309000209146",
                                                       "Body": {
      "Debit Acct Name": "Gabriala Dcosta",
                                                        "RefNo": "10243115A825B381".
      "Ben IFSC": "HDFC0000184",
                                                        "UTRNo": "RATNH16019242632",
```





```
"Ben_Acct_No": "1006211030035980",
    "Ben_Name": "Sankha",
    "Ben_Address": "MUMBAI",
    "Ben_Email": "deep2005@gmail.com",
    "Ben_Mobile": "7023923604",
    "Mode_of_Pay": "RTGS",
    "Remarks": "DMR1234567"
    },
    "Signature": {
        "Signature": ""
    }
}
```

```
SAMPLE FT JSON REQUEST
                                                      SAMPLE FT JSON RESPONSE
                                                      {"Single_Payment_Corp_Resp": {
"Single_Payment_Corp_Req": {
                                                        "Header": {
"Header" :{
                                                         "TranID": "10243115A825B372",
 "TranID": "10243115A825B372",
                                                         "Corp ID": "MC008",
 "Corp ID": "MC008",
                                                         "Maker ID": "M001",
 "Maker_ID": "M001",
                                                         "Checker_ID": "C001",
 "Checker ID": "C001".
                                                         "Approver ID": "A001",
                                                         "Status": "Success",
 "Approver ID": "A001"
                                                         "Error Cde": {},
 },
"Body" :{
                                                         "Error Desc": {}
 "Amount": "30",
                                                        "Body": {
 "Debit Acct No": "309000209146",
                                                         "RefNo": "10243115A825B372",
 "Debit TrnParticulars": "FARIDA12345567890123",
 "Debit_PartTrnRmks":"SURESH12345678901234",
                                                         "Ben Acct No": "1000110010002463",
 "Ben Acct No": "1000110010002463",
                                                         "Txn Time": "2016-01-16 16:49:59.276893"
 "Ben TrnParticulars": "ALPANA",
                                                       "Signature": {"Signature": "Signature"}
 "Ben PartTrnRmks":"ABHIJEET",
 "Mode of Pay": "FT",
                                                      }}
 "Remarks": "DMR"
 },
"Signature" :{
 "Signature": "Signature"
```

```
        SAMPLE IMPS JSON REQUEST
        SAMPLE IMPS JSON RESPONSE

        {
        {"Single_Payment_Corp_Resp": {

        Single_Payment_Corp_Req: {
        "Header": {

        "Header": {
        "TranID": "10243115A825B224",

        "Corp_ID": "MC008",
        "Corp_ID": "M001",

        "Maker_ID": "M001",
        "Checker_ID": "C001",

        "Checker_ID": "A001",
        "Approver_ID": "A001",
```

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```
"Approver ID": "A001"
                                                       "Status": "Success",
                                                       "Error_Cde": " ",
  },
"Body" :{
                                                       "Error Desc": " "
  "Amount": "313",
  "Debit Acct No": "309000209146",
                                                     "Body": {
  "Debit Acct_Name": "SACHIN R TENDULKAR",
                                                       "RefNo": "10243115A825B224",
  "Debit IFSC": "RATN0000999",
                                                       "RRN": "536316088933",
  "Debit_Mobile": "9920433064",
                                                       "Ben Acct No": "119677660150",
  "Ben_IFSC": "DNSB0000021",
                                                       "Txn_Time": "2015-12-29 16:49:25.100711"
  "Ben Acct No": "119677660150",
  "Ben Name": "DNSB",
                                                     "Signature": {"Signature": "Signature"}
  "Ben BankName": "RBL",
  "Ben Email": "Ben_Email",
  "Ben Mobile": "9696969696",
  "Mode_of_Pay": "IMPS",
  "Remarks": "IMPS REQUEST"
"Signature":{
  "Signature": "Signature"
```

```
SAMPLE DD JSON REQUEST
                                                      SAMPLE DD JSON RESPONSE
                                                      {"Single_Payment_Corp_Resp": {
Single Payment Corp Req: {
                                                        "Header": {
"Header" :{
                                                          "TranID": "10243115A825A929",
 "TranID": "10243115A825A929",
                                                         "Corp ID": "MC001",
 "Corp ID": "MC001",
                                                         "Maker ID": "M001",
 "Maker_ID" : "M001",
                                                         "Checker ID": "C001",
 "Checker ID": "C001",
                                                         "Approver ID": "A001",
 "Approver_ID" : "A001"
                                                         "Status": "Success",
                                                         "Error Cde": {},
 },
"Body" :{
                                                         "Error_Desc": {}
 "Amount": "10.00",
 "Debit Acct No": "1008810030000236",
                                                        "Body": {
 "Ben Acct No": "",
                                                         "RefNo": "10243115A825A929",
 "Ben Name": "Sankha",
                                                         "Txn_Time": "2015-12-05 14:39:08.651261"
 "Ben BankCd": "176",
 "Ben BranchCd": "0070",
                                                        "Signature": {"Signature": "Signature"}
 "Issue BranchCd": "0071",
 "Mode_of_Pay" : "DD"
 },
"Signature" :{
 "Signature": "Signature"
```

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Response Codes

Response Stage	Response Code	Response Message
SUCCESS		SUCCESS
FAILURE		FAILURE

Error Codes

Error Codes and its description						
Error Code	Error Type	Message	Correcting This Error			
ER001	General	Improper JSON Format	Correct the format of JSON			
ER002	Validation	Schema Validation Failure	Validation as explained in the specification failed			
ER003	Validation	Invalid CorpId	Send correct Corp ID			
ER004	Technical	Technical Failure	Any technical failure other than business validation			
ER005	Validation	Please provide RefNo/URT No/RRN	Provide relevant URTN for RTGS/NEFT or RRN for IMPS			
ER006	Technical	Timeout Exception Occurred	Request timed out, reinitiate with new request ID			
ER008	Validation	Invalid Corporate Hierarchy	Send correct Maker/Checker/Approver			
ER009	Validation	ReNo does not exist	Given reference no# doesn't exist			
ER010	Validation	UTRNo does not exist	Given UTR no# doesn't exist			
ER011	Validation	RRN No does not exist	Given RRN no# doesn't exist			
ER012	Validation	Transaction Amount greater than Approver Amount limit.	Limit Exceeded, kindly initiate from other approver			
ER013	Validation	Duplicate transaction Id				

Appendix
Appendix 1: Response Tag and its Description

Parameter Name Parameter Type		Comments		
TranID	String	Transaction ID generated by customer which is unique		
Corp_ID	String	Unique ID assigned to each enrolled Corporate		
Maker_ID	String	Unique ID for request creator		
Checker_ID	String	Unique ID for request checker		
Approver_ID	String	Unique ID for request approver		
Status	String	SUCCESS/ FAILURE		
Error_Cde	String	If Error occurs provides error code		
Error_Desc	String	If Error occurs provides error description		
RefNo	String	Unique reference number provided for each transaction (Same as TranID in request)		
UTRNo	String	UTR No is generated for each initiated NEFT/RTGS payment.		
RRN No	String	RRN No is generated for each successful IMPS payment.		
Ben_Acct_No String		Beneficiary Account Number		
TxnTime Timestamp		Date and Time of success transaction		
Signature String		Encrypted key for authenticating the request. Currently not required.		

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