

Account Statement Date Range_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	<i>Functional Requirement</i>	4
1.3.2	<i>Non- Functional Requirement</i>	4
1.4	BUSINESS BENEFIT CASE	4
1.4.1	<i>Financial Benefit</i>	4
1.4.2	<i>Non-Financial Benefit</i>	4
2.	ACCEPTANCE CRITERIA & PROJECT PLAN	5

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

Introduction

The account statement date range API provides to fetch the bank account statement for specified period. It allows retrieving bank account statement for date range i.e. 'from date' to 'to date'. It also facilitates to fetch debit or credit or both (debit and credit) transaction details in the given account.

List of API

List down the APIs part of the projects:

Sr. No	Name	Description
1	Account Statement Date Range	Provides account statement as per date range input.

API Name

POST/statement

Description

The statement of account will be provided for debit, credit or for both transactions requested for given date range.

Transport protocol (SOAP / REST)

REST

API Request URLs

<https://apideveloper.rblbank.com/test/sb/rbl/v1/cas/statement>

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:Pasw0rd!
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 is, a unique, generated by consumer of service.
Corp_ID	Corporate Id	Corp_ID	String	MaxLength=20	Unique ID assigned to each enrolled Corporate consumer.
Maker_ID	Maker Id	Maker_ID	String	MaxLength=20	Unique ID for creator of the request.
Checker_ID	Checker Id	Checker_ID	String	MaxLength=20	Unique ID for checker of the request.
Approver_ID	Approver Id	Approver_ID	String	MaxLength=20	Unique ID for approver of the request.

Acc_No	Account Number	Acc_No	String	MaxLength=16	Holds the Finacle Account number.
Tran_Type	TransactionType	Tran_Type	Character	MaxLength=1	Provides transaction type i.e. D(debit) / C(credit) or B(both)
From_Dt	From Date	From_Dt	String	yyyy-mm-dd	Holds the date from which the transaction details are required for the account
To_Dt	To Date	To_Dt	String	yyyy-mm-dd	Holds the date up to which the transaction details are required for the account.
Signature	Signature	Signature	String	No max length defined.	Encrypted key for authenticating the request.

Request Sample

```
{
  "Acc_Stmt_DtRng_Req": {
    "Header": {
      "TranID": "TranID",
      "Corp_ID": "Corp_ID",
      "Maker_ID": "Maker_ID",
      "Checker_ID": "Checker_ID",
      "Approver_ID": "Approver_ID"
    },
    "Body": {
      "Acc_No": "Acc_No",
      "Tran_Type": "D",
      "From_Dt": "2001-01-01",
      "To_Dt": "2001-01-01"
    },
    "Signature": { "Signature": "Signature" }
  }
}
```

Response Parameters

Business Parameter Name	Description	Parameter Name	Parameter Type	Parameter Constraints	Comments
TranID	Transaction Id	TranID	String	MaxLength=20	Transaction Id will be entered by the customer and it will be unique for each request.
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 creator of the request.
Checker_ID	Checker Id	Checker_ID	String	MaxLength=20	Unique ID for checker of the request.
Approver_ID	Approver Id	Approver_ID	String	MaxLength=20	Unique ID for approver of the request.

Status	Status	Status	String	SUCCESS FAILURE	Status of the transaction/s.
Error_Cde	Error Code	Error_Cde	String		Provide error code, if error occurs.
Error_Desc	Error Description	Error_Desc	String		Provide error description, if error occurs.
ACID	Account Number	Acid	String	MaxLength=16	Holds the Finacle Account number.
AmountValue	Amount	amountValue	String		Provides available balance of amount of the account
CurrencyCode	Currency Code	currencyCode	String	MaxLength=3	Provides Currency Code of the amount.
BranchId	Branch Id	branchId	String	MaxLength=8	Provides the Finacle branch id
CurrencyCode	Currency Code	currencyCode	String	MaxLength=3	Provides Currency Code of the amount.
AmountValue	Amount	amountValue	String		This is the amount available in the FFD.
CurrencyCode	Currency Code	currencyCode	String	MaxLength=3	Provides Currency Code of the amount.
AmountValue	Amount	amountValue	String		This field shows the amount which has been lodged for outward clearing. When a release to shadow balance is done, the amount present in this field gets transferred to the field "Funds in Clearing".
CurrencyCode	Currency Code	currencyCode	String	MaxLength=3	Provides Currency Code of the amount
AmountValue	Amount	amountValue	String		This is clear and unclear balance amount
CurrencyCode	Currency Code	currencyCode	String	MaxLength=3	Provides Currency Code of the amount
AmountValue	Amount	amountValue	String		Provides available balance amount in the user's account
CurrencyCode	Currency Code	currencyCode	String	MaxLength=3	Provides Currency Code of the amount
pstdDate	Post Date	pstdDate	String	yyyy-MM-dd'T'hh:mm:ss.SS	Provides the transaction posted date.
instrumentId	Instrument Id	instrumentId	String	MaxLength=16	Provides instrument ID for the transaction.
amountValue	Amount	amountValue	String		Provides the adhoc limit granted to account
currencyCode	Currency Code	currencyCode	String	MaxLength=3	Provides Currency Code of the amount
txnDate	Transaction Date	txnDate	String	yyyy-MM-dd'T'hh:mm:ss.SS	Provides transaction date.
txnDesc	Transaction Description	txnDesc	String	MaxLength=50	Provides particulars related to the transaction.
txnType	Transaction Type	txnType	Character	MaxLength=1	Provides transaction type i.e D(debit) / C(credit) or B(both)
amountValue	Amount	amountValue	String		Provides the adhoc limit granted to account

currencyCode	Currency Code	currencyCode	String	MaxLength=3	Provides Currency Code of the amount
txnCat	Transaction Category	txnCat	String	MaxLength=3	Provides transaction category (type(length 1 char) and sub type(length 2 char)).The type has possible values C - Cash, T - Transfer, L - Clearing .The subtype has the possible values BI, CI, NP, NR
txnId	Transaction Id	txnId	String	MaxLength=9	Provides transaction ID of the inquiry
txnSrlNo	Transaction Serial Number	txnSrlNo	String	MaxLength=4	Provides transaction serial number of the inquiry.
valueDate	Value Date	valueDate	String	yyyy-MM-dd'T'hh:mm:ss.SS	Provides business date of the transaction
Signature	Signature	Signature	String	No max length defined.	Encrypted key for authenticating the request.

Response Sample

```
{
  "Acc Stmt Res": {
    "Header": {
      "TranID": "TranID",
      "Corp_ID": "Corp_ID",
      "Maker_ID": "Maker_ID",
      "Checker_ID": "Checker_ID",
      "Approver_ID": "Approver_ID",
      "Status": "Status",
      "Error_Cde": "Error_Cde",
      "Error_Desc": "Error_Desc"
    },
    "Body": {
      "accountBalances": {
        "acid": "acid",
        "availableBalance": {
          "amountValue": "amountValue",
          "currencyCode": "currencyCode"
        },
        "branchId": "branchId",
        "currencyCode": "currencyCode",
        "fFDBalance": {
          "amountValue": "amountValue",
          "currencyCode": "currencyCode"
        }
      },
      "floatingBalance": {
        "amountValue": "amountValue",
        "currencyCode": "currencyCode"
      },
      "ledgerBalance": {
        "amountValue": "amountValue",

```

```

    "currencyCode": "currencyCode"
  },
  "userDefinedBalance": {
    "amountValue": "amountValue",
    "currencyCode": "currencyCode"
  }
},
"transactionDetails": {
  "pstdDate": "pstdDate",
  "transactionSummary": {
    "instrumentId": "instrumentId",
    "txnAmt": {
      "amountValue": "amountValue",
      "currencyCode": "currencyCode"
    },
    "txnDate": "txnDate",
    "txnDesc": "txnDesc",
    "txnType": "txnType"
  },
  "txnBalance": {
    "amountValue": "amountValue",
    "currencyCode": "currencyCode"
  },
  "txnCat": "txnCat",
  "txnId": "txnId",
  "txnSrlNo": "txnSrlNo",
  "valueDate": "valueDate"
}
},
"Signature": { "Signature": "Signature" }
}
}

```

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		
ER006	Technical	Timeout Exception Occurred	Timeout Exception Occurred		
ER007	Business	Other FI Error	Other FI Error		
ER008	Validation	Invalid Corporate Hierarchy	Invalid Corporate Hierarchy		

Appendix

List of mandatory / non-mandatory field

ACCOUNT STATEMENT DATE-RANGE 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/Acc_No	Y	Y
Body/Tran_Type	Y	Y
Body/From_Dt	Y	Y
Body/To_Dt	Y	Y
Signature	Y	NA
Signature/Signature	Y	N

ACCOUNT STATEMENT DATE-RANGE 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/accountBalances/acid	Y	Y
Body/accountBalances/availableBalance/amountValue	Y	Y
Body/accountBalances/availableBalance/currencyCode	Y	Y
Body/accountBalances/branchId	Y	Y
Body/accountBalances/currencyCode	Y	Y
Body/accountBalances/ffDBalance/amountValue	Y	Y
Body/accountBalances/ffDBalance/currencyCode	Y	Y
Body/accountBalances/floatingBalance/amountValue	Y	Y
Body/accountBalances/floatingBalance/currencyCode	Y	Y
Body/accountBalances/ledgerBalance/amountValue	Y	Y
Body/accountBalances/ledgerBalance/currencyCode	Y	Y
Body/accountBalances/userDefinedBalance/amountValue	Y	Y
Body/accountBalances/userDefinedBalance/currencyCode	Y	Y

Body/transactionDetails/pstdDate	Y	Y
Body/transactionDetails/transactionSummary/instrumentId	Y	Y
Body/transactionDetails/transactionSummary/txnAmt/amountValue	Y	Y
Body/transactionDetails/transactionSummary/txnAmt/currencyCode	Y	Y
Body/transactionDetails/transactionSummary/txnDate	Y	Y
Body/transactionDetails/transactionSummary/txnDesc	Y	Y
Body/transactionDetails/transactionSummary/txnType	Y	Y
Body/transactionDetails/txnBalance/amountValue	Y	Y
Body/transactionDetails/txnBalance/currencyCode	Y	Y
Body/transactionDetails/txnCat	Y	Y
Body/transactionDetails/txnId	Y	Y
Body/transactionDetails/txnSrlNo	Y	Y
Body/transactionDetails/valueDate	Y	Y
Signature	Y	NA
Signature/Signature	Y	N

ACCOUNT STATEMENT DATE-RANGE RESPONSE 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/accountBalances/acid	N	N
Body/accountBalances/availableBalance/amountValue	N	N
Body/accountBalances/availableBalance/currencyCode	N	N
Body/accountBalances/branchId	N	N
Body/accountBalances/currencyCode	N	N
Body/accountBalances/ffDBalance/amountValue	N	N
Body/accountBalances/ffDBalance/currencyCode	N	N
Body/accountBalances/floatingBalance/amountValue	N	N
Body/accountBalances/floatingBalance/currencyCode	N	N
Body/accountBalances/ledgerBalance/amountValue	N	N
Body/accountBalances/ledgerBalance/currencyCode	N	N
Body/accountBalances/userDefinedBalance/amountValue	N	N
Body/accountBalances/userDefinedBalance/currencyCode	N	N
Body/transactionDetails/pstdDate	N	N
Body/transactionDetails/transactionSummary/instrumentId	N	N
Body/transactionDetails/transactionSummary/txnAmt/amountValue	N	N
Body/transactionDetails/transactionSummary/txnAmt/currencyCode	N	N
Body/transactionDetails/transactionSummary/txnDate	N	N

Body/transactionDetails/transactionSummary/txnDesc	N	N
Body/transactionDetails/transactionSummary/txnType	N	N
Body/transactionDetails/txnBalance/amountValue	N	N
Body/transactionDetails/txnBalance/currencyCode	N	N
Body/transactionDetails/txnCat	N	N
Body/transactionDetails/txnId	N	N
Body/transactionDetails/txnSrlNo	N	N
Body/transactionDetails/valueDate	N	N
Signature	Y	NA
Signature/Signature	Y	N