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| **rbl bank ltd** |
| **Get Account Statement Base-64 Data API** |
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**Version: 1.01**

**\*\*\*\* Version History \*\*\*\***

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| --- | --- | --- | --- |
| **Date** | **Version** | **Amendment Comments**  **(relating to version being introduced)** | **Owner** |
| 27-Dec-18 | 01.01 | Get Base-64 data of Account Statement | Arpitam Das |
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#### Introduction

Get Account Statement API facilitates the client to get Base-64 data for every yesterday’s transactions history

#### Description

This service converts the yesterday’s account statement data to Base-64 data which client can retrieve at his/her end.

The API is synchronous in nature i.e. the response is received for each Corp ID with the desired Base-64 data in response

#### Transport protocol (SOAP / REST)

*REST*

#### API Request URL:

<https://apideveloper.rblbank.com/test/sb/rbl/api/fetch>

#### Access Requirements

* API endpoints to be used for consuming the service as provided above
* Request type should be application/Json

#### Request Parameters

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Field Name** | **Data Type** | **Mandatory Tags according to Modes Of Pay** | **Value Mandatory** | **Length** | **Description** |
| TranID | Field will accept only Alphanumeric values.  No special characters will be allowed | Corp ID | Y | MinLength =2 MaxLength=16 | This ID should be generated by the customers, transaction will be identified using this ID, and for inquiry purpose this ID can be used. Once Base-64 Data received against this number, customer cannot initiate another Base-64 Data under this number. |
| Corp\_ID | Field will accept only Alphanumeric values.  No special characters will be allowed | Corp ID | Y | MinLength =4 MaxLength=20 | This is a unique ID assigned to each corporate for identification, once customer onboarding process is completed. Bank will provide this ID. |

\*\*\*Note: Kindly note that all tags are mandatory to put in request as stated above.

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#### Response Parameters

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Field Name** | **Data Type** | **Mandatory Tags according to Modes Of Pay** | **Value Mandatory** | **Length** | **Description** |
| Tran ID | Field will accept only Alphanumeric values  No special characters will be allowed | Corp ID | Yes(for status Success/Failure) | MinLength =2 MaxLength=16 | This is an ID should be generated by the customers, Base-64 Data will be identified using this ID, for inquiry purpose this ID can be used. Once Base-64 Data received against this number, customer cannot initiate another Base-64 Data under this number. |
| Corp ID | Field will accept only Alphanumeric values.  No special characters will be allowed | Corp ID | Yes(for status Success/Failure) | MinLength =4 MaxLength=20 | This is a unique ID assigned to each corporate for identification, once customer onboarding process is completed. Bank will provide this ID. |
| Status | Success/Failure | Corp ID | Yes(for status Success/Failure) | MinLength =4 MaxLength=20 | 1)This field defines whether the Base-64 data is generated or not for the provided Corp ID  2)Status will be Success for the generation of Base-64 data for yesterday’s transaction history.  3)Status will be Failure for no generation of Base-64 data for yesterday’s transaction history. |
| AccStmtData | Base-64 Data | Corp ID | Yes(for status Success/Failure) | Length= Varies with the data | This is the Base-64 data generated for yesterday’s transaction’s history for the provided Corp ID in the request. |
| Status\_Desc | Describes failure reasons | Corp ID | Yes(for status Success/Failure) | Length= Varies with the description | This field describes the failure reasons for generating the Baase-64 data.  Eg. Schema Validation Failure, Technical Failure, File not found etc. |

#### Success - Request and Response Sample for valid Corp ID

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| --- | --- |
| **Request** | **Response** |
| {  "FetchAccStmtReq": {  "Header": {  "TranID": "1234567890123456"  },  "Body": {  "Corp\_ID": "VISTAARFIN"  }  }  } | {"FetchAccStmtRes": {  "Header": {  "TranID": "1234567890123456",  "Corp\_ID": "FUSION",  "Status": "Success"  },  "Body": {"AccStmtData": ""}  }} |

#### Failure - Request and Response Sample for invalid Corp ID

|  |  |
| --- | --- |
| **Request** | **Response** |
| {  "FetchAccStmtReq": {  "Header": {  "TranID": "1234567890123456"  },  "Body": {  "Corp\_ID": "QWERTY"  }  }  } | {"FetchAccStmtRes": {"Header": {  "TranID": "1234567890123456",  "Corp\_ID": "qwertr",  "Status": "Failure",  "Status\_Desc": "File not found"  }}} |

#### Request and Response Sample for Schema Validation Failure

**\*\*\*Scenarios: Mandatory Tags and values missing, Double spaces in values, space before closing braces for values in a tag, special characters in values**

|  |  |  |
| --- | --- | --- |
| **‘Schema Validation failure’ when missing mandatory tag(e.g.Tran ID) in the request** | {  "FetchAccStmtReq": {  "Header": {  "TranID": ""  },  "Body": {  "Corp\_ID": "VISTAARFIN"  }  }  } | {"FetchAccStmtRes": {"Header": {  "Status": "Failure",  "Status\_Code": "ER\_AM002",  "Status\_Desc": "Schema Validation Failure"  }}} |

|  |  |  |
| --- | --- | --- |
| **‘‘Schema Validation failure’ when missing mandatory value(Corp ID) in the request** | {  "FetchAccStmtReq": {  "Header": {  "TranID": "1234567890123456"  },  "Body": {  "Corp\_ID": ""  }  }  } | {"FetchAccStmtRes": {"Header": {  "TranID": "12345\_",  "Corp\_ID": "",  "Status": "Failure",  "Status\_Code": "ER\_AM002",  "Status\_Desc": "Schema Validation Failure"  }}} |

|  |  |  |
| --- | --- | --- |
| **‘Schema Validation failure’ when entering special characters in field(Tran ID) and not allowed as per the field validations in request** | {  "FetchAccStmtReq": {  "Header": {  "TranID": "!@#$%^&\*13221"  },  "Body": {  "Corp\_ID": "SCCP"  }  }  } | {"FetchAccStmtRes": {"Header": {  "TranID": "!@#$%^&\*\_",  "Corp\_ID": "SCCP",  "Status": "Failure",  "Status\_Code": "ER\_AM002",  "Status\_Desc": "Schema Validation Failure"  }}} |

|  |  |  |
| --- | --- | --- |
| **Invalid Corp ID** | {  "FetchAccStmtReq": {  "Header": {  "TranID": "12345678"  },  "Body": {  "Corp\_ID": "QWERTY"  }  }  } | {"FetchAccStmtRes": {"Header": {  "TranID": "12345678",  "Corp\_ID": "QWERTY",  "Status": "Failure",  "Status\_Desc": "File not found"  }}} |

|  |  |  |
| --- | --- | --- |
| Duplicate Transaction Id | {  "FetchAccStmtReq": {  "Header": {  "TranID": "1234567890123456"  },  "Body": {  "Corp\_ID": "SCCP"  }  }  } | {" FetchAccStmtReq ": {  "Header": {  "TranID": "1234567890123456",  "Corp\_ID": "MC001",  "Status": "Failure",  "Error\_Cde": "ER013",  "Status\_Desc": "Duplicate Transaction Id"  }}} |

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| No Transactions in Yesterday | {  "FetchAccStmtReq": {  "Header": {  "TranID": "1234567890"  },  "Body": {  "Corp\_ID": "FUSION"  }  }  } | {"FetchAccStmtRes": {"Header": {  "TranID": "1234567890",  "Corp\_ID": "SCCP",  "Status": "Failure",  "Status\_Desc": "File not found"  }}} |

**\*\*\*Important Note:**

Base-64 Data getting in the response is of yesterday’s transaction’s history for Corp ID provided in the request

#### Error Codes and Description

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| --- | --- | --- | --- |
| **Status** | **Error Type** | **Status Description** | **Comments** |
| ER002 | Technical | Improper JSON Format | This error due to JSON request is not in standard format. |
| Failure | Technical | Schema Validation Failure | This error due to mandatory tags or values missing in field or by unwanted spaces in field or by not allowed values in fields etc. please refers the samples provided above. |
| Failure | General | File Not Found | Generally this error comes when there are no any transactions in yesterday’s transaction history OR when Corp ID doesn’t present in API\_FETCH\_ACCTSTMT\_DTLS table. |
| ER004 | Technical | Technical Failure | This error will occur when system exception occurs |
| ER006 | Technical | Timeout Exception Occurred | This error will occur when sender is initiating request and the response is not in expected set time. This could be the network issue or service response failure. |
| ER013 | General | Duplicate Transaction Id | The Error will occur when API consumer is requesting with the transaction id which has been already processed successfully. |