

*ICICI Appathon*

*2017*

*API DOCUMENT*

CONFIDENTIAL

[1. Introduction 5](#_Toc478500551)

[2. Acronyms used in this document 5](#_Toc478500552)

[3. Basic Concepts and Pre-requisites 5](#_Toc478500553)

[4. Pre-requisites and Authentication 5](#_Toc478500554)

[5. API List 6](#_Toc478500555)

[6. Authentication Service 6](#_Toc478500556)

[7. Participant Data Mapping 7](#_Toc478500557)

[8. Retail Banking APIs 7](#_Toc478500558)

[8.1. Balance Enquiry 7](#_Toc478500559)

[8.2. Bank Account Summary 9](#_Toc478500560)

[8.3. Transaction History – Mini Statement 12](#_Toc478500561)

[8.4. Transaction History – n days 15](#_Toc478500562)

[8.5. Transaction History – Interval 17](#_Toc478500563)

[8.6. Behavior Score 20](#_Toc478500564)

[8.7. List Registered Payee 22](#_Toc478500565)

[8.8. Fund Transfer API 24](#_Toc478500566)

[8.9. Branch & ATM Location 28](#_Toc478500567)

[8.10. Loan Account Summary (Using Loan Account No.) 31](#_Toc478500568)

[8.11. Loan Account Summary (Using Cust\_ID) 34](#_Toc478500569)

[8.12. Loan Customer Details 37](#_Toc478500570)

[8.13. Loan EMI Details 39](#_Toc478500571)

[8.14. Loan Transaction Details 41](#_Toc478500572)

[8.15. Get Debit Card Details 43](#_Toc478500573)

[8.16. Authorize Using Debit Card 45](#_Toc478500574)

[9. KYC APIs 48](#_Toc478500575)

[9.1. Add KYC details 48](#_Toc478500576)

[9.2. Get KYC details 51](#_Toc478500577)

[10. Billers APIs 54](#_Toc478500578)

[10.1. Get Biller Details 54](#_Toc478500579)

[10.2. Map Biller 56](#_Toc478500580)

[10.3. Bill Payment 59](#_Toc478500581)

[10.4. Pay Bill Using Debit Card 61](#_Toc478500582)

[10.5. Schedule Pay 63](#_Toc478500583)

[11. UPI APIs 66](#_Toc478500584)

[11.1. Create VPA for your Account 66](#_Toc478500585)

[11.2. Fetch VPA for your Account 68](#_Toc478500586)

[11.3. Fund Transfer from VPA to VPA 68](#_Toc478500587)

[11.4. Fund Transfer from VPS to Account No. 70](#_Toc478500588)

[12. Pay with Points 73](#_Toc478500589)

[12.1. Add Reward Points 73](#_Toc478500590)

[12.2. Use Reward Points for Bill Payments 75](#_Toc478500591)

[12.3. Redeem Reward Points 77](#_Toc478500592)

[13. Credit Cards APIs 80](#_Toc478500593)

[13.1. Map Credit Card to Account Holder 80](#_Toc478500594)

[13.2. Get Card Account Details (Using Card Number) 82](#_Toc478500595)

[13.3. Get Card Account Details (Using Cust\_ID) 85](#_Toc478500596)

[13.4. Change Credit Limit 87](#_Toc478500597)

[13.5. Activate for Overseas Use 89](#_Toc478500598)

[13.6. Block / Unblock the Card 91](#_Toc478500599)

[14. Pockets Wallet Related APIs 93](#_Toc478500600)

[14.1. Introduction 93](#_Toc478500601)

[14.2. Wallet Creation & Linking 94](#_Toc478500602)

[14.3. Wallet Balance Enquiry 97](#_Toc478500603)

[14.4. Wallet Credit Amount 100](#_Toc478500604)

[14.5. Wallet Debit Amount 103](#_Toc478500605)

[14.6. Wallet Statement Details 107](#_Toc478500606)

[15. Treasury 109](#_Toc478500607)

[15.1. View Currency Pair 109](#_Toc478500608)

[15.2. Book Deal 112](#_Toc478500609)

[15.3. Deal MIS 114](#_Toc478500610)

[16. Corporate Banking APIs 117](#_Toc478500611)

[16.1. Account Summary 117](#_Toc478500612)

[16.2. List of Transactions Waiting for Approval 119](#_Toc478500613)

[16.3. RM Details 123](#_Toc478500614)

[16.4. Query to RM 125](#_Toc478500615)

[16.5. Limit Utilization Summary 127](#_Toc478500616)

[16.6. TOL Profile (Trade Online) 129](#_Toc478500617)

[16.7. Import Summary 131](#_Toc478500618)

[16.8. Export Summary 136](#_Toc478500619)

[16.9. Approve Transactions 140](#_Toc478500620)

[17. ICICI Securities APIs 142](#_Toc478500621)

[17.1. Get Mutual Fund Details 142](#_Toc478500622)

[17.2. Place Order for a Mutual Fund 145](#_Toc478500623)

[17.3. Portfolio View 150](#_Toc478500624)

[17.4. Net Worth with Asset Allocation 152](#_Toc478500625)

[17.5. Get Stock Details 155](#_Toc478500626)

[17.6. Place Order (Trading) 157](#_Toc478500627)

[17.7. View Order Status 159](#_Toc478500628)

[18. ICICI Lombard APIs 162](#_Toc478500629)

[18.1. Single View of Customer 162](#_Toc478500630)

[18.2. Quick Policy Renewal 165](#_Toc478500631)

[18.3. Quick Quote 169](#_Toc478500632)

[19. ICICI Prudential Life Insurance APIs 172](#_Toc478500633)

[19.1. Get Quick Quote 172](#_Toc478500634)

[19.2. Purchase Policy 174](#_Toc478500635)

[19.3. View Policy Details 177](#_Toc478500636)

[19.4. View Customer Details 180](#_Toc478500637)

[19.5. Customer Statement 182](#_Toc478500638)

[19.6. Annuity 185](#_Toc478500639)

[19.7. CustomerData 187](#_Toc478500640)

[19.8. RiskScore 189](#_Toc478500641)

[19.9. Plans 191](#_Toc478500642)

[20. Error Code 193](#_Toc478500643)

1. Introduction

The purpose of this document is to explain how you can access the various APIs made available for the ICICI Appathon for building your application.

1. Acronyms used in this document

|  |  |
| --- | --- |
| **Term** | **Definition** |
| API | Application Programming Interface |
| HTTPS | Hyper Text Transfer Protocol Secure |
| JSON | Javascript Object Notation |
| REST | Representational State Transfer |
| Access Token | access token needed to call Banking System APIs |
| KYC | Know Your Customers |

1. Basic Concepts and Pre-requisites

The Banking System API is modeled around REST principles. The request is made through HTTP and HTTP response codes are returned to indicate success/failure. JSON is returned by API response, including errors. This API uses HTTP response codes to indicate the success or failure of an API request. For example, codes in the 2xx range indicate success, codes in the 4xx range indicate an error that failed due to error in request parameters and codes in the 5xx range indicate an error at banking systems end.

Note: All below APIs Client ID which has been given to you on email, use exact same client ID in the same case as given to you to access all APIs. For Example. If your email id ABC@gmail.com then your client ID which you have to use will be "ABC@gmail.com", if your client ID is aBc@xYz.com then your client ID to access the APIs will be "aBc@xYz.com”.

1. Pre-requisites and Authentication

* A participant id and participant access code will be provided to all the participants. Using the participant id and participant access code, the participants can use Participant Authentication API which will return unique access token in response to access all ICICI Bank & Group companies APIs. . When accessing the all APIs, participants need to include their participant access code and the access token in the request. Without an access token, the API requests will be denied. Participants need to securely store access tokens on their server and should ensure that it does not get shared with anybody else. Access token will be valid for 60 days. Incase token needs to be changed, Participant Authentication API needs to be used again.
* All requests must be sent to over https. Calls made over plain HTTP will fail. Authentication to the API is via HTTP Basic Auth.

1. API List

ICICI Appathon exposes the following APIs to Participants. Subsequent sections below provide following information pertaining to the APIs:

1. Template Request URL.

2. Sample Request URL

3. Request / Response Parameters along with the validations and data type.

4. Sample Response

1. Authentication Service

This API returns the access token to access banking API’s.

Authenticate Client URL:

Request URL to be formed as per below template. Participant ID and Participant access code is provided to the participant in separate mail.

https://corporateapiprojectwar.mybluemix.net/corporate\_banking/mybank/authenticate\_client?client\_id=<participant\_id>&password=<participant access code>

1. Participant Data Mapping

This API returns ID’s & Account Numbers of Retail, Corporate, Loan, Debit Card, Treasury, Securities mapped to participant.

**Request URL:**

Request URL to be formed as per below template.

https://retailbanking.mybluemix.net/banking/icicibank/participantmapping?client\_id=<Participant ID>

**Sample Request:**

https://retailbanking.mybluemix.net/banking/icicibank/participantmapping?client\_id=ICICI.APPATHON@GMAIL.COM

1. Retail Banking APIs
   1. Balance Enquiry

This API returns the account balance for a given account

**Request URL:**

Request URL to be formed as per below template. Access token is given when participant authenticate for the first time.

https://retailbanking.mybluemix.net/banking/icicibank/balanceenquiry?client\_id=<participant\_id>&token=<access token>&accountno=<account number>

**Sample Request:**

<https://retailbanking.mybluemix.net/banking/icicibank/balanceenquiry?client_id=ICICI.APPATHON@GMAIL.COM&token=656b872f26e4&accountno=4444777755550001>

**Description of Request parameters:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Description** | **Required** | **Data type** | **Min Length** | **Max Length** |
| Client\_id | Participant Email ID given at time of registration. | Yes | string | 10 | 50 |
| Token | Unique token is to access this API and is valid for 60 days from generation date. | Yes | string | 12 | 12 |
| AccountNo | Unique bank account number of the participant | Yes | string | 16 | 16 |

If the authorization was denied, Balance enquiry will send an error:

[{

"code":401,"description":"Access Denied",

"message":"User Not Authorized"

}]

This API will respond to the request with the balance and account detail of the user’saccount.

**Sample Response:**

[{"code":200},

{"balance":"462510.8188610320",

"accountno":"4444777755550001",

"accounttype":"Savings Account",

"balancetime":"23-03-17 14:25:160 IST"

}]

**Response parameters details:**

|  |  |  |
| --- | --- | --- |
| ***Http Status Code*** | ***Description*** | ***Schema*** |
| **200** | Transaction success | [{  code:  int  *Error Code*  },  {  accountno:  string  *bank account number*  balancetime:  datetime  *time of balance enquiry*  accounttype:  string  *type of account*  balance:  double  *latest available balance in saving bank account*  } |
| **4xx/5xx** | Transaction failure | {  code:  integer (int32)  *Error code*  message:  string  *Error message*  description:  string  *Error description*  } |

* 1. Bank Account Summary

This API can be used to retrieve a summary of accounts that are linked to a customer.

**Request URL:**

Request URL to be formed as per below template. Access token is given when participant authenticate for the first time.

https://retailbanking.mybluemix.net/banking/icicibank/account\_summary?client\_id=<participant\_id>&token=<access token>&custid=<customer identification number>&accountno=<account number>

**Sample Request:**

<https://retailbanking.mybluemix.net/banking/icicibank/account_summary?client_id=ICICI.APPATHON@GMAIL.COM&token=656b872f26e4&custid=33335001&accountno=4444777755550001>

**Description of Request parameters:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Description** | **Required** | **Data type** | **Min Length** | **Max Length** |
| Client\_id | Participant Email ID given at time of registration. | Yes | string | 10 | 50 |
| Token | Unique token to authenticate participant’s every request. | Yes | string | 12 | 12 |
| Custid | Unique bank customer id of the participant | No | String | 8 | 8 |
| Accountno | Unique bank account number of the participant | No | String | 16 | 16 |

If the authorization was denied, the service will respond with an error:

[{

"code":401,"description":"Access Denied",

"message":"User Not Authorized"

}]

Account No will respond to the request with the balance and account detail of the user’s account.

**Sample Response:**

[{"code":200},

{"vpa":"xyz@icicibank",

"sub\_product\_type":"Regular Savings Account",

"accounttype":"Savings Account",

"wallet\_balance":"275",

"account\_status":"Active",

"mobileno":"7977711111",

"product\_desc":"Regular Savings Account",

"wallet\_id":"5001",

"product\_type":"Savings Account",

"balance":"462510.8188610320",

"accountno":"4444777755550001",

"reward\_point":"1482",

"custid":"33335001",

"product\_category":"Liabilities"}

]

**Response parameters details:**

|  |  |  |
| --- | --- | --- |
| ***Http Status Code*** | ***Description*** | ***Schema*** |
| **200** | Transaction success | [{  code:  int  *Error Code*  },  {{  vpa:  string  *Virtual Private Address*  Wallet Id:  string  *Wallet id number*  Wallet Balance:  string  *Wallet Balance*  product\_desc:  string  *Description of Product*  product\_type:  string  *Type of Product*  balance:  double  *Balance of Account*  accountno:  String  *Account Number*  sub\_product\_type:  string  *Type of Sub Product*  account\_type:  string  *Type of Account*  product\_category:  string  *Category of Product*  account\_status:  string  *Status of account*  mobile\_no  string  *mobile no of customer*  custid:  string  *Cust id of customer*  } |
| **4xx/5xx** | Transaction failure | {  code:  integer (int32)  *Error code*  message:  string  *Error message*  description:  string  *Error message*  } |

* 1. Transaction History – Mini Statement

This API can be used to retrieve the list of most recent 5 transactions performed on the specified account.

**Request URL:**

Request URL to be formed as per below template. Access token is given when participant authenticate for the first time.

https://retailbanking.mybluemix.net/banking/icicibank/recenttransaction?client\_id=<participant\_id>&token=<access token>&accountno=<account number>

**Sample Request:**

<https://retailbanking.mybluemix.net/banking/icicibank/recenttransaction?client_id=ICICI.APPATHON@GMAIL.COM&token=656b872f26e4&accountno=4444777755550001>

**Description of Request parameters:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Description** | **Required** | **Data type** | **Min Length** | **Max Length** |
| Client\_id | Participant Email ID given at time of registration. | Yes | string | 10 | 50 |
| Token | Unique token to authenticate participant’s every request. | Yes | string | 12 | 12 |
| AccountNo | Unique bank account number of the participant | Yes | string | 16 | 16 |

If the authorization was denied, the service will respond with an error:

[{

"code":401,"description":"Access Denied",

"message":"User Not Authorized"

}]

**Sample Response:**

[{"code":200},

{"transactiondate":"2017-03-22 16:56:03",

"closing\_balance":"462510.81886103250",

"accountno":"4444777755550001",

"credit\_debit\_flag":"Dr.",

"transaction\_amount":"0.166030217499584940",

"remark":"purchase product"}]

**Response parameters details:**

|  |  |  |
| --- | --- | --- |
| ***Http Status Code*** | ***Description*** | ***Schema*** |
| **200** | Transaction success | [{  code:  int  *Error Code*  },  {  transaction\_amount:  string  *Amount of transaction*  transactiondate:  datetime  *Date of transaction*  accountno:  string  *Account Number*  credit\_debit\_flag:  string  *Debit Credit flag*  Remark:  string  *remark of transaction*  closing\_balance:  string  *Closing balance after transaction*  }  ] |
| **4xx/5xx** | Transaction failure | {  code:  integer (int32)  *Error code*  message:  string  *Error message*  description:  string  *Error description*  } |

* 1. Transaction History – n days

This API can be used to retrieve the list of transactions performed on the specified account in a specified ‘n’ days.

**Request URL:**

Request URL to be formed as per below template. Access token is given when participant authenticate for the first time.

https://retailbanking.mybluemix.net/banking/icicibank/ndaystransaction?client\_id=<participant\_id>&token=<access token>&accountno=<account number>&days=<Number of days>

**Sample Request:**

<https://retailbanking.mybluemix.net/banking/icicibank/ndaystransaction?client_id=ICICI.APPATHON@GMAIL.COM&token=656b872f26e4&accountno=4444777755550001&days=1>

**Description of Request parameters:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Description** | **Required** | **Data type** | **Min Length** | **Max Length** |
| Client\_id | Participant Email ID given at time of registration. | Yes | string | 10 | 50 |
| Token | Unique token to authenticate participant’s every request. | Yes | string | 12 | 12 |
| AccountNo | Unique bank account number of the participant | Yes | string | 16 | 16 |
| days | Number of days for which transaction details has to be shown | Yes | string | 1 | 10 |

If the authorization was denied, the service will respond with an error:

[{

"code":401,"description":"Access Denied",

"message":"User Not Authorized"

}]

**Sample Response:**

[{"code":200},

{"transactiondate":"2017-03-22 16:56:03",

"closing\_balance":"462510.8188610325",

"accountno":"4444777755550001",

"credit\_debit\_flag":"Dr.",

"transaction\_amount":"0.166030217499584940",

"remark":"purchase product"

}]

**Response parameters details:**

|  |  |  |
| --- | --- | --- |
| ***Http Status Code*** | ***Description*** | ***Schema*** |
| **200** | Transaction success | [{  code:  int  *Error Code*  },  {  transaction\_amount:  string  *Amount of transaction*  transactiondate:  datetime  *Date of transaction*  accountno:  string  *Account Number*  credit\_debit\_flag:  string  *Debit Credit flag*  remark  string  *remark of transaction*  closing\_balance  string  *Closing Balance after transaction*  }  ] |
| **4xx/5xx** | Transaction failure | {  code:  integer (int32)  *Error code*  message:  string  *Error message*  description:  string  *Error description*  } |

* 1. Transaction History – Interval

This API can be used to retrieve the list of transactions performed on the specified account in a certain time interval.

**Request URL:**

Request URL to be formed as per below template. Access token is given when participant authenticate for the first time.

https://retailbanking.mybluemix.net/banking/icicibank/transactioninterval?client\_id=<participant\_id>&token=<access token>&accountno=<account number>&fromdate=<Start Date>&todate=<End Date>

**Sample Request:**

<https://retailbanking.mybluemix.net/banking/icicibank/transactioninterval?client_id=ICICI.APPATHON@GMAIL.COM&token=656b872f26e4&accountno=4444777755550001&fromdate=2017-03-01&todate=2017-03-02>

**Description of Request parameters:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Description** | **Required** | **Data type** | **Min Length** | **Max Length** |
| Client\_id | Participant Email ID given at time of registration. | Yes | string | 10 | 50 |
| Token | Unique token to authenticate participant’s every request. | Yes | string | 12 | 12 |
| AccountNo | Unique bank account number of the participant | Yes | string | 16 | 16 |
| fromdate | Transaction details from this date | Yes | Date |  |  |
| todate | Transaction Details to this date | Yes | Date |  |  |

If the authorization was denied, the service will respond with an error:

[{

"code":401,"description":"Access Denied",

"message":"User Not Authorized"

}]

**Sample Response:**

[{"code":200},

{"transactiondate":"2017-03-22 16:56:03",

"closing\_balance":"462510.81886103250",

"accountno":"4444777755550001",

"credit\_debit\_flag":"Dr.",

"transaction\_amount":"0.166030217499584940",

"remark":"purchase product"

}]

**Response parameters details:**

|  |  |  |
| --- | --- | --- |
| ***Http Status Code*** | ***Description*** | ***Schema*** |
| **200** | Transaction success | [{  code:  int  *Error Code*  },  {  transaction\_amount:  string  *Amount of transaction*  transactiondate:  datetime  *Date of transaction*  accountno:  string  *Account Number*  credit\_debit\_flag:  string  *Debit Credit flag*  remark  string  *remark of transaction*  closing\_balance  string  *Closing Balance after transaction*  }  ] |
| **4xx/5xx** | Transaction failure | {  code:  integer (int32)  *Error code*  message:  string  *Error message*  description:  string  *Error description*  } |

* 1. Behavior Score

This API will return a customer’s behavior score.

**Request URL:**

Request URL to be formed as per below template. Access token is given when participant authenticate for the first time.

https://retailbanking.mybluemix.net/banking/icicibank/behaviour\_score?client\_id=<participant\_id>&token=<access token>&accountno=<account number>

**Sample Request:**

<https://retailbanking.mybluemix.net/banking/icicibank/behaviour_score?client_id=ICICI.APPATHON@GMAIL.COM&token=656b872f26e4&accountno=4444777755550001>

**Description of Request parameters:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Description** | **Required** | **Data type** | **Min Length** | **Max Length** |
| Client\_id | Participant Email ID given at time of registration. | Yes | string | 10 | 50 |
| Token | Unique token to authenticate participant’s every request. | Yes | string | 12 | 12 |
| AccountNo | Unique bank account number of the participant | Yes | string | 16 | 16 |

If the authorization was denied, the service will respond with an error:

[{

"code":401,"description":"Access Denied",

"message":"User Not Authorized"

}]

**Sample Response:**

[{

"code":200},

{"score":80

}]

**Response parameters details:**

|  |  |  |
| --- | --- | --- |
| ***Http Status Code*** | ***Description*** | ***Schema*** |
| **200** | Transaction success | [{  code:  int  *Error Code*  },  {  score:  int  *Behavior Score*  }] |
| **4xx/5xx** | Transaction failure | {  code:  integer (int32)  *Error code*  message:  string  *Error message*  description:  string  *Error description*  } |

* 1. List Registered Payee

This API assists in retrieving the list of previously created payees for this account.

**Request URL:**

Request URL to be formed as per below template. Access token is given when participant authenticate for the first time.

https://retailbanking.mybluemix.net/banking/icicibank/listpayee?client\_id=<participant\_id>&token=<access token>&custid=<customer identification number>

**Sample Request:**

<https://retailbanking.mybluemix.net/banking/icicibank/listpayee?client_id=ICICI.APPATHON@GMAIL.COM&token=656b872f26e4&custid=33335001>

**Description of Request parameters:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Description** | **Required** | **Data type** | **Min Length** | **Max Length** |
| Client\_id | Participant Email ID given at time of registration. | Yes | string | 10 | 50 |
| Token | Unique token to authenticate participant’s every request. | Yes | string | 12 | 12 |
| Customer ID | Unique Customer ID | Yes | String | 8 | 8 |

If the authorization was denied, the service will respond with an error:

[{

"code":401,"description":"Access Denied",

"message":"User Not Authorized"

}]

**Sample Response:**

[{"code":200},

{"creationdate":"2017-03-15-05.27.46",

"payeename":"A2",

"payeeaccountno":"4444777755550002",

"custid":"33335001",

"payeeid":"1",

"shortname":"A2"

}

]

**Response parameters details:**

|  |  |  |
| --- | --- | --- |
| ***Http Status Code*** | ***Description*** | ***Schema*** |
| **200** | Transaction success | [{  code:  int  *Error Code*  },  {  creationdate:  string  *Payee Creation Date*  payeename:  String  *Payee Name*  payeeaccountno  string  *Payee Account no*  payeeid:  int  *Payee ID*  shortname  string  *Short Name of Payee*  custid  string  *Customer ID of customer*  }  ] |
| **4xx/5xx** | Transaction failure | {  code:  integer (int32)  *Error code*  message:  string  *Error message*  description:  string  *Error description*  } |

* 1. Fund Transfer API

This API should be used to transfer funds from source account to a linked account or payee.

**Request URL:**

Request URL to be formed as per below template. Access token is given when participant authenticate for the first time.

https://retailbanking.mybluemix.net/banking/icicibank/fundTransfer?client\_id=<participant\_id>&token=<access token>&srcAccount=<source account number>&destAccount=< destination account number>&amt=<amount>&payeeDesc=<Description of payee>&payeeId=<identification number of payee>&type\_of\_transaction=<Type of transaction>

**Sample Request:**

https://retailbanking.mybluemix.net/banking/icicibank/fundTransfer?client\_id=ICICI.APPATHON@GMAIL.COM&token=656b872f26e4&srcAccount=4444777755550001&destAccount=4444777755550002&amt=200&payeeDesc=NA&payeeId=1&type\_of\_transaction=school fee payment

**Description of Request parameters:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Description** | **Required** | **Data type** | **Min Length** | **Max Length** |
| Client\_id | Participant Email ID given at time of registration. | Yes | string | 10 | 50 |
| Token | Unique token to authenticate participant’s every request. | Yes | string | 12 | 12 |
| srcAccount | Source Account Number | Yes | string | 16 | 16 |
| Destaccountno | Destination Account number | Yes | string | 16 | 16 |
| Amt | Amount to be transferred | Yes | Double |  |  |
| Payeedesc | Payee Description | No | string | 50 | 50 |
| Payeeid | Payee ID | No | Int |  |  |
| type\_of\_transaction | Type of transaction | No | string | 50 | 50 |

If the authorization was denied, the service will respond with an error:

[{

"code":401,"description":"Access Denied",

"message":"User Not Authorized"

}]

The comprehensive listing of the various values that “Type\_Of\_Transaction” can take is presented below.

*1. PMR*

*2. Direct-To-Home payments*

*3. School fee payment*

*4. Movie Ticket*

*5. Electricity*

*6. Restaurant ticket*

*7. Fuel*

*8. Groceries*

*9. Home Loan EMI*

*10. Insurance Payment*

*11. Car Insurance*

*12. Mutual Fund Payments*

If the Type\_of\_Transaction is not from above list, the service will respond with the following error:

[{

"code":400,"description":"Type of transaction should be from list",

"message":"Bad Request"

}]

**Sample Response:**

[{"code":200},

{

"destination\_accountno":"4444777755550002",

"transaction\_date":"2017-03-23 15:38:38",

"referance\_no":"171",

"transaction\_amount":"200.00",

"payee\_name":"A2",

"payee\_id":"1",

"status":"SUCCESS"

}]

**Response parameters details:**

|  |  |  |
| --- | --- | --- |
| ***Http Status Code*** | ***Description*** | ***Schema*** |
| **200** | Transaction success | [{  code:  int  *Error Code*  },  {  destination\_accountno:  string  *Destination Account no*  transactiondate:  String  *Transaction Date*  referenceno  string  *transaction ID*  transaction\_amount  string  *Amount of transaction*  payeename  string  *Name of payee*  payeeid  string  *Payee Id of payee*  status  string  *Status of transaction*  }  ] |
| **4xx/5xx** | Transaction failure | {  code:  integer (int32)  *Error code*  message:  string  *Error message*  description:  string  *Error description*  } |

* 1. Branch & ATM Location

This API can be used to retrieve information about branch and ATM locations based on geo-location coordinates or address.

**Request URL:**

Request URL to be formed as per below template. Access token is given when participant authenticate for the first time.

https://retailbanking.mybluemix.net/banking/icicibank/BranchAtmLocator?client\_id=<participant\_id>&token=<access token>&locate=<locater for branch>&lat=<lattitude>&long=<longitude>

**Sample Request:**

https://retailbanking.mybluemix.net/banking/icicibank/BranchAtmLocator?client\_id=ICICI.APPATHON@GMAIL.COM&token=656b872f26e4&locate=ATM&lat=72.9376984&long=19.1445007

**Description of Request parameters:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Description** | **Required** | **Data type** | **Min Length** | **Max Length** |
| Client\_id | Participant Email ID given at time of registration. | Yes | string | 10 | 50 |
| Token | Unique token to authenticate participant’s every request. | Yes | string | 12 | 12 |
| locate | get Branch or ATM details | Yes | string | 3 | 20 |
| lat | Latitude of location | Yes | string | 10 | 20 |
| long | Longitude of location | Yes | string | 10 | 20 |

If the authorization was denied, the service will respond with an error:

[{

"code":401,"description":"Access Denied",

"message":"User Not Authorized"

}]

**Sample Response:**

[{"code":200},

{"pincode":"400078",

"Type":"ATM",

"flag":"A",

"address":"Station Plaza, Bhandup West",

"latitude":"72.9376984",

"IFSC\_CODE":"",

"city":"Mumbai",

"state":"Maharashtra",

"phoneno":"022-77040061",

"longitude":"19.1445007",

"branchname":"ICICI BANK ATM"}]

**Response parameters details:**

|  |  |  |
| --- | --- | --- |
| ***Http Status Code*** | ***Description*** | ***Schema*** |
| **200** | Transaction success | [{  code:  int  *Error Code*  },  {  pincode:  string  ***Pincode of branch***  type:  String  *type indicating branch or ATM*  flag:  string  *Branch or ATM flag*  address:  string  *Address of branch or atm*  latitude:  string  *longitude*  longitude:  string  *longitude*  city:  string  *City*  state:  string  *State of branch*  branchname:  string  *Branch Name*  phoneno:  string  *Phone number of Branch*  ifsc\_code:  string  *IFSC CODE of Branch*  } |
| **4xx/5xx** | Transaction failure | {  code:  integer (int32)  *Error code*  message:  string  *Error message*  description:  string  *Error description*  } |

* 1. Loan Account Summary (Using Loan Account No.)

This API is used to get details of loan like principal outstanding, date of loan, 12-month payment status string and type of loan.

**Request URL:**

Request URL to be formed as per below template. Access token is given when participant authenticate for the first time.

https://pocketsapi.mybluemix.net/rest/Loan/getLoanDetails?param=<Loan\_account\_number>&clientId=<client\_id>&authToken=<token>

**Sample Request:**

https://pocketsapi.mybluemix.net/rest/Loan/getLoanDetails?param=LACRM11144449005&clientId=ICICI.APPATHON@GMAIL.COM&authToken=656b872f26e4

**Description of Request parameters:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Description** | **Required** | **Data type** | **Min Length** | **Max Length** |
| Client\_id | Participant Email ID given at time of registration. | Yes | string | 10 | 50 |
| Token | Unique token to authenticate participant’s every request. | Yes | string | 12 | 12 |
| Param | Loan Account Number | Yes | string | 16 | 16 |

If the authorization was denied, the service will respond with an error:

{

“code”: 115,

“description”: “Authentication failed”,

}

**Sample Response:**

[  
 {  
 "code": "200"  
 },  
 {  
 "ID": 1,  
 "customerName": "A1",  
 "pos": "Active",  
 "principal\_outstanding": "2500000",  
 "date\_of\_loan": "01-08-2014",  
 "type\_of\_loan": "Personal Loan",  
 "roi": "12%",  
 "month\_delinquency": "0",  
 "loanAmount": "3000000",  
 "custId": "33335001",  
 "loan\_no": "L0001",  
 "agreementId": "A000000001"  
 }

]

**Response parameters details:**

|  |  |  |
| --- | --- | --- |
| ***Http Status Code*** | ***Description*** | ***Schema*** |
| **200** | Transaction success | [  {  code:  int  *Error Code*  },  {  ID:  Integer  *Id*  customerName:  String  *Name of Customer*  pos:  String  *pos*  principal\_outstanding:  String  *principal outstanding amount*  date\_of\_loan:  String  *date of loan*  type\_of\_loan:  String  *type of loan*  roi:  String  *roi*  month\_delinquency:  String  *month delinquency*  loanAmount:  String  *loan amount*  custId  String  *custId*  } |
| **4xx/5xx** | Transaction failure | {  code:  integer (int32)  *Error code*  message:  string  *Error message*  description:  string  *Error description*  } |

* 1. Loan Account Summary (Using Cust\_ID)

This API is used to get details of loan like principal outstanding, date of loan, 12-month payment status string and type of loan.

**Request URL:**

Request URL to be formed as per below template. Access token is given when participant authenticate for the first time.

https://pocketsapi.mybluemix.net/rest/Loan/getLoanDetails?param=<cust\_id>&clientId=<client\_id>&authToken=<token>

**Sample Request:**

https://pocketsapi.mybluemix.net/rest/Loan/getLoanDetails?param=33335005&clientId=ICICI.APPATHON@GMAIL.COM&authToken=656b872f26e4

**Description of Request parameters:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Description** | **Required** | **Data type** | **Min Length** | **Max Length** |
| Client\_id | Participant Email ID given at time of registration. | Yes | string | 10 | 50 |
| Token | Unique token to authenticate participant’s every request. | Yes | string | 12 | 12 |
| param | Customer Id | Yes | string | 16 | 16 |

If the authorization was denied, the service will respond with an error:

{

“code”: 115,

“description”: “Authentication failed”,

}

**Sample Response:**

[  
 {  
 "code": "200"  
 },  
 {  
 "ID": 1,  
 "loanAccountNo": "LACRM11144449001",  
 "customerName": "A1",  
 "pos": "Active",  
 "principal\_outstanding": "2500000",  
 "date\_of\_loan": "01-08-2014",  
 "type\_of\_loan": "Personal Loan",  
 "roi": "12%",  
 "month\_delinquency": "0",  
 "loanAmount": "3000000",  
 "custId": "33335001",  
 "loan\_no": "L0001",  
 "agreementId": "A000000001"  
 }

]

**Response parameters details:**

|  |  |  |
| --- | --- | --- |
| ***Http Status Code*** | ***Description*** | ***Schema*** |
| **200** | Transaction success | [  {  code:  int  *Error Code*  },  {  ID:  Integer  *Id*  loanAccountNo:  String  *loan Accoun No*  customerName:  String  *Name of Customer*  pos:  String  *pos*  principal\_outstanding:  String  *principal outstanding amount*  date\_of\_loan:  String  *date of loan*  type\_of\_loan:  String  *type of loan*  roi:  String  *roi*  month\_delinquency:  String  *month delinquency*  loanAmount:  String  *loan amount*  custId  String  *custId*  } |
| **4xx/5xx** | Transaction failure | {  code:  integer (int32)  *Error code*  description:  string  *Error description*  } |

* 1. Loan Customer Details

This is a simple API to fetch a Loan Customer details.

**Request URL:**

Request URL to be formed as per below template. Access token is given when participant authenticate for the first time.

https://pocketsapi.mybluemix.net/rest/Loan/customerDetails?mobileno=<mobile\_no>&clientId=<client\_id>&authToken=<token>

**Sample Request:**

https://pocketsapi.mybluemix.net/rest/Loan/customerDetails?mobileno=7977711111&clientId=ICICI.APPATHON@GMAIL.COM&authToken=656b872f26e4

**Description of Request parameters:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Description** | **Required** | **Data type** | **Min Length** | **Max Length** |
| Client\_id | Participant Email ID given at time of registration. | Yes | string | 10 | 50 |
| Token | Unique token to authenticate participant’s every request. | Yes | string | 12 | 12 |
| Mobile No | Mobile No | Yes | string | 10 | 10 |

If the authorization was denied, the service will respond with an error:

{

“code”: 115,

“description”: “Authentication failed”,

}

**Sample Response:**

[  
 {  
 "code": "200"  
 },  
 {  
 "name": "A1",  
 "dob": "1/1/1975",  
 "no\_of\_dependents": "0",  
 "salary\_details": "100000"  
 }  
]

**Response parameters details:**

|  |  |  |
| --- | --- | --- |
| ***Http Status Code*** | ***Description*** | ***Schema*** |
| **200** | Transaction success | [  {  code:  int  *Error Code*  },  {  name:  string  *Name of customer*  dob:  string  *date of birth*  no\_of\_dependents:  string  *no. of departments*  salary\_details:  string  *Salary Details*  }  ] |
| **4xx/5xx** | Transaction failure | {  code:  integer (int32)  *Error code*  description:  string  *Error description*  } |

* 1. Loan EMI Details

This is a simple API to fetch user’s loan EMI details.

**Request URL:**

Request URL to be formed as per below template. Access token is given when participant authenticate for the first time.

https://pocketsapi.mybluemix.net/rest/Loan/EMIDetails?loan\_no=<loan\_number>&agreeID=<agreement\_id>&clientId=<client\_id>&authToken=<token>

**Sample Request:**

https://pocketsapi.mybluemix.net/rest/Loan/EMIDetails?loan\_no=L0002&agreeID=A000000002&clientId=ICICI.APPATHON@GMAIL.COM&authToken=656b872f26e4

**Description of Request parameters:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Description** | **Required** | **Data type** | **Min Length** | **Max Length** |
| Client\_id | Participant Email ID given at time of registration. | Yes | string | 10 | 50 |
| Token | Unique token to authenticate participant’s every request. | Yes | string | 12 | 12 |
| Loan no | Loan number | Yes | string | 5 | 5 |
| agreeID | Agreement Id | Yes | String | 10 | 10 |

If the authorization was denied, the service will respond with an error:

{  
 "errorCode": "115",  
 "errorDescripttion": "Authentication failed"  
}

**Sample Response:**

[  
 {  
 "code": "200"  
 },  
 {  
 "No\_of\_EMIs": "3",  
 "EMI\_Dates": "01/01/2017,01/02/2017,01/03/2017",  
 "Last\_three\_EMIs": "4591,5050.1,5509.2"  
 }  
]

**Response parameters details:**

|  |  |  |
| --- | --- | --- |
| ***Http Status Code*** | ***Description*** | ***Schema*** |
| **200** | Transaction success | [  {  code:  int  *Error Code*  },  {  No\_of\_EMIs:  string  *No of EMIs*  EMI\_Dates:  string  *EMI Date*  Last\_three\_EMIs:  string  *Last three EMIs*  } |
| **4xx/5xx** | Transaction failure | {  code:  integer (int32)  *Error code*  description:  string  *Error description*  } |

* 1. Loan Transaction Details

This is a simple API to fetch a user’s loan Transaction details.

**Request URL:**

Request URL to be formed as per below template. Access token is given when participant authenticate for the first time.

https://pocketsapi.mybluemix.net/rest/Loan/transDetails?loan\_no=<loan\_no>&agreeID=<agreement\_id>&clientId=<client\_id>&authToken=<token>

**Sample Request:**

https://pocketsapi.mybluemix.net/rest/Loan/transDetails?loan\_no=L0002&agreeID=A000000002&clientId=ICICI.APPATHON@GMAIL.COM&authToken=656b872f26e4

**Description of Request parameters:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Description** | **Required** | **Data type** | **Min Length** | **Max Length** |
| Client\_id | Participant Email ID given at time of registration. | Yes | string | 10 | 50 |
| Token | Unique token to authenticate participant’s every request. | Yes | string | 12 | 12 |
| Loan No | Loan number | Yes | string | 8 | 8 |
| AgreeId | Agreement Id | Yes | String | 10 | 10 |

If the authorization was denied, the service will respond with an error:

{  
 "errorCode": "115",  
 "errorDescripttion": "Authentication failed"  
}

**Sample Response:**

[  
 {  
 "code": "200"  
 },  
 {  
 "last\_payments\_made": "5509.2",  
 "Payment\_mode": "Cheque"  
 }  
]

**Response parameters details:**

|  |  |  |
| --- | --- | --- |
| ***Http Status Code*** | ***Description*** | ***Schema*** |
| **200** | Transaction success | [  {  code:  int  *Error Code*  },  {  last\_payments\_made:  string  *Last payment Made*  Payment\_mode:  string  *Payment Mode*  } |
| **4xx/5xx** | Transaction failure | {  code:  integer (int32)  *Error code*  description:  string  *Error description*  } |

* 1. Get Debit Card Details

This API returns the debit card details like Card Type, Expiry date & CVV.

**Request URL:**

Request URL to be formed as per below template. Access token is given when participant authenticate for the first time.

https://debitcardapi.mybluemix.net/debit/icicibank/getDebitDetails?client\_id=<participant\_id>&token=<access token>&custid=<customer id>

**Sample Request:**

https://debitcardapi.mybluemix.net/debit/icicibank/getDebitDetails?client\_id=ICICI.APPATHON@GMAIL.COM&token=656b872f26e4&custid=33335001

**Description of Request parameters:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Description** | **Required** | **Data type** | **Min Length** | **Max Length** |
| client\_id | Participant Email ID given at time of registration. | YES | string | 10 | 50 |
| token | Unique token is to access this API and is valid for 60 days from generation date. | YES | string | 12 | 12 |
| custid | Unique customer number of the participant | YES | string | 16 | 16 |

If the authorization was denied, the service will respond with an error:

[{

"code":401,

"description":"Access Denied",

"message":"User Not Authorized"

}]

This API will respond to the request with the debit card details of the user’s account.

**Sample Response:**

[{

"code":200},

{"cvv":"501",

"accountno":"4444777755550001",

"exp\_date":"10-19",

"Debit\_card\_no":"3477551166995001",

"Type\_of\_card":"CORAL"

}]

**Response parameters details:**

|  |  |  |
| --- | --- | --- |
| ***Http Status Code*** | ***Description*** | ***Schema*** |
| **200** | Transaction success | [{  code:  int  *Error Code*  },  {  cvv:  string  ***cvv number***  accountno:  int  ***account number***  exp\_date:  string  ***Expiry Date***  Debit\_cardno:  int  ***Debit Card Number***  Type\_of\_card:  string  ***Type of Debit Card***  } |
| **4xx/5xx** | Transaction failure | {  code:  integer (int32)  *Error code*  message:  string  *Error message*  description:  string  *Error description*  } |

* 1. Authorize Using Debit Card

This API will validate provided Debit card details.

**Request URL:**

Request URL to be formed as per below template. Access token is given when participant authenticate for the first time.

https://debitcardapi.mybluemix.net/debit/icicibank/authDebitDetails?client\_id=<participant\_id>&token=<access token>&custid=<customer id>&debit\_card\_no=<debit card no>&cvv=<cvv no>&expiry\_date=<expiry date in mm-yy format >

**Sample Request:**

https://debitcardapi.mybluemix.net/debit/icicibank/authDebitDetails?client\_id=ICICI.APPATHON@GMAIL.COM&token=656b872f26e4&custid=33335001&debit\_card\_no=3477551166995001&cvv=501&expiry\_date=10-19

**Description of Request parameters:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Description** | **Required** | **Data type** | **Min Length** | **Max Length** |
| client\_id | Participant Email ID given at time of registration. | YES | string | 10 | 50 |
| token | Unique token is to access this API and is valid for 60 days from generation date. | YES | string | 12 | 12 |
| custid | Unique customer number of the participant | YES | string | 16 | 16 |
| debit\_card\_no | Debit Card number of the participant | YES | string | 16 | 16 |
| cvv | CVV number of the participant | YES | string | 03 | 03 |
| expiry\_date | Expiry date | YES | string | 05 | 05 |

If the authorization was denied, this service will send an error:

[{

"code":401,

"description":"Access Denied",

"message":"User Not Authorized"

}]

This API will respond to the request with the authentication status.

**Sample Response:**

[{

"code":200

},

{

"response”: “Authentication Successful"

}]

**Response parameters details:**

|  |  |  |
| --- | --- | --- |
| ***Http Status Code*** | ***Description*** | ***Schema*** |
| **200** | Transaction success | [{  code:  int  *Error Code*  },  {  response:  string  ***Response***} |
| **4xx/5xx** | Transaction failure | {  code:  integer (int32)  *Error code*  message:  string  *Error message*  description:  string  *Error description*  } |

1. KYC APIs
   1. Add KYC details

This API is use to Add KYC details of customer.

**Request URL:**

Request URL to be formed as per below template. Access token is given when participant authenticate for the first time.

https://kycdetails.mybluemix.net/banking/icicibank/addKYC?client\_id=<participant\_id>&token=<access token>&cust\_id=<customer id>&KYC\_type= <KYC type >&Document\_type= <Document type>&Document\_number=<Document Number>&Name\_on\_document=<Person name on Document> &Expirydate\_on\_document=<Expiry date of document>

**Sample Request:**

https://kycdetails.mybluemix.net/banking/icicibank/addKYC?client\_id=ICICI.APPATHON@GMAIL.COM&cust\_id=33335001&token=656b872f26e4&KYC\_type=age\_Proof&Document\_type=passport&Document\_number=1234564a&Name\_on\_document=gokul&Expirydate\_on\_document=29-08-1991

**Description of Request parameters:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Description** | **Required** | **Data type** | **Min Length** | **Max Length** |
| client\_id | Participant Email ID given at time of registration. | YES | string | 10 | 50 |
| token | Unique token is to access this API and is valid for 60 days from generation date. | YES | string | 12 | 12 |
| Cust\_id | Unique customer number of the participant | YES | Number | 8 | 8 |
| KYC\_type | KYC type of document eg.  ID\_Proof | YES | string | Below mention in Note | - |
| Document\_type | Document type of  document eg.  Pan\_Card | YES | string | Below mention in Note | - |
| Document\_number | Document number | YES | string | Below mention in Note |  |
| Name\_on\_document | Person name on Document | YES | string | 1 | 100 |
| Expirydate\_on\_document | Expiry date of document | YES | string | Should be in  **dd-mm-yyyy**  format | Should be in  **dd-mm-yyyy**  format |

**Note :**

1. KYC\_type should be from below list

ID\_Proof

Address\_Proof

Age\_Proof

1. Document\_type and Document\_number length should be from below list

|  |  |
| --- | --- |
| **Document\_type** | **Document\_no length should be** |
| PAN\_Card | **10** |
| Aadhar\_Card | **12** |
| Passport | **8** |
| Driving\_Licence | **15** |

**For each KYC type we can add any document\_type among the given 4 types only once.**

1. For **PAN\_card** and **Aadhar\_card** **Expirydate\_on\_document should be NA**.

If the authorization was denied, addKYC will send an error:

[{

"code":401,

"description":"Access Denied",

"message":"User Not Authorized"

}]

**Sample Response:**

[{

"code":200,

"success":"records inserted successfully"

}]

**Response parameters details :**

|  |  |  |
| --- | --- | --- |
| ***Http Status Code*** | ***Description*** | ***Schema*** |
| **200** | Transaction success | [{  code:  int  *Error Code*  },  {  Success:  String  *Success Message*  } |
| **4xx/5xx** | Transaction failure | {  code:  integer (int32)  *Error code*  message:  string  *Error message*  description:  string  *Error description*  } |

* 1. Get KYC details

This API returns all KYC details of customer.

**Request URL:**

Request URL to be formed as per below template. Access token is given when participant authenticate for the first time.

https://kycdetails.mybluemix.net/banking/icicibank/getKYC?client\_id=<participant\_id>&token=<access token>&cust\_id=<customer id>

**Sample Request:**

https://kycdetails.mybluemix.net/banking/icicibank/getKYC?client\_id=ICICI.APPATHON@GMAIL.COM&cust\_id=33335001&token=656b872f26e4

**Description of Request parameters:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Description** | **Required** | **Data type** | **Min Length** | **Max Length** |
| client\_id | Participant Email ID given at time of registration. | YES | string | 10 | 50 |
| token | Unique token is to access this API and is valid for 60 days from generation date. | YES | string | 12 | 12 |
| Cust\_id | Unique customer number of the participant | YES | Number | 8 | 8 |

If the authorization was denied, getKYC will send an error:

[{

"code":401,

"description":"Access Denied",

"message":"User Not Authorized"

}]

**Sample Response:**

[

{"code":200},

{

"Name on Document":" AFG",

"Document Number":"ABCDA12A",

"Document Type":"PASSPORT",

"KYC Type":"ID\_PROOF",

"Expirydate on document":"30-05-2019"},

{

"Name on Document":"XYZ",

"Document Number":"123456789123",

"Document Type":"AADHAR\_CARD",

"KYC Type":"ID\_PROOF",

"Expirydate on document":"NA"}

]

**Response parameters details:**

|  |  |  |
| --- | --- | --- |
| ***Http Status Code*** | ***Description*** | ***Schema*** |
| **200** | Transaction success | [{  code:  int  *Error Code*  },  {  Name on Document  String  *Person name on Document*  Document Number  Number  *Document number*    Document Type  String  *Document type of document*  KYC Type  String  *KYC type of document*    Expirydate on document  *dd-MM-YYYY formate*  *expiry date of document*  } |
| **4xx/5xx** | Transaction failure | {  code:  integer (int32)  *Error code*  message:  string  *Error message*  description:  string  *Error description*    } |

1. Billers APIs
   1. Get Biller Details

This API will provide the details of the state wise biller. User will come to know the biller detail and state.

**Request URL:**

Request URL to be formed as per below template. Access token is given when participant authenticate for the first time.

https://biller.mybluemix.net/biller/icicibank/billerdetail?client\_id=<CLIENT\_ID>&token=<TOKEN>&billername=<BILLERNAME>

**Valid Values for BillerName <BILLERNAME>**

* Electricity
* LPG
* Mobile
* Internet

**Sample Request:**

<https://biller.mybluemix.net/biller/icicibank/billerdetail?client_id=ICICI.APPATHON@GMAIL.COM&token=656b872f26e4&billername=electricity>

**Description of Request parameters:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Description** | **Required** | **Data type** | **Min Length** | **Max Length** |
| Client\_id | Participant Email ID given at time of registration. | Yes | string | 10 | 50 |
| Token | Unique token to authenticate participant’s every request. | Yes | string | 12 | 12 |
| billerName | Name of Biller | Yes | string | - | - |

If the authorization was denied, the service will respond with an error:

{

“code”: 401,

“message”: “User not authorized”

"description: "Access Denied"

}

**Sample Response:**

[

{"code":200},

{"BillerDetail":"Electricity Board","State":"GUJARAT"},

{"BillerDetail":"Electricity Board","State":"MADHYA PRADESH"},

{"BillerDetail":"TATA Power","State":"MAHARASHTRA"},

{"BillerDetail":"TATA Power","State":"GUJARAT"},

{"BillerDetail":"TATA Power","State":"MADHYA PRADESH"},

{"BillerDetail":"Reliance Power","State":"MAHARASHTRA"},

{"BillerDetail":"Reliance Power","State":"GUJARAT"},

{"BillerDetail":"Reliance Power","State":"MADHYA PRADESH"}

]

**Response parameters details:**

|  |  |  |
| --- | --- | --- |
| ***Http Status Code*** | ***Description*** | ***Schema*** |
| **200** | Transaction success | [{ code:  int  *Error Code*  },  { BillerDetail  String  State  String  } |
| **4xx/5xx** | Transaction failure | { code:  integer (int32)  *Error code*  message:  string  *Error message*  } |

* 1. Map Biller

This API can be used to add biller to a certain Cust id/Account Number.

**Request URL:**

Request URL to be formed as per below template. Access token is given when participant authenticate for the first time.

<https://biller.mybluemix.net/biller/icicibank/addbiller?client_id>=<CLIENT\_ID>&token=<TOKEN>&billerdetail=<Biller\_Detail>&state=<State>&custid=<CUSTID>&nickname=<NICKNAME>&consumerno=<CONSUMERNO>

**Sample Request:**

https://biller.mybluemix.net/biller/icicibank/addbiller?client\_id=ICICI.APPATHON@GMAIL.COM&token=656b872f26e4&billerdetail=Tata Power&state=gujarat&custid=33335001&nickname=A1&consumerno=90345672

**Description of Request parameters:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Description** | **Required** | **Data type** | **Min Length** | **Max Length** |
| Client\_id | Participant Email ID given at time of registration. | Yes | string | 10 | 50 |
| Token | Unique token to authenticate participant’s every request. | Yes | string | 12 | 12 |
| Billerdetail | Details of a particular biller | Yes | string | - |  |
| State | State for which bill have to pay | Yes | String |  |  |
| Custid | Cust Id Of the user | Yes | Number | 8 | 8 |
| NickName | NickName by users choice | Yes | String |  |  |
| Consumer No | Consumer number the biller (Mobile number must be 10 and LPG, Electricity and Internet consumer number must be 8 digit) | Yes | Number | 8/10 | 8/10 |

If the authorization was denied, the service will respond with an error:

{

“code”: 401,

“message”: “User not authorized”

"description: "Access Denied"

}

**Sample Response:**

[

{"code":200},

{"Success":"Biller Successfully added for child Id : 1005"}

]

**Response parameters details :**

|  |  |  |
| --- | --- | --- |
| ***Http Status Code*** | ***Description*** | ***Schema*** |
| **200** | Transaction success | [{  code:  int  *Error Code*  },  {  Success  message:  string  } |
| **4xx/5xx** | Transaction failure | {  code:  integer (int32)  *Error code*  message:  string  *Error message*  } |

* 1. Bill Payment

This Api will pay the bill from account. User can pay bill directly to the biller added by user.

**Request URL:**

Request URL to be formed as per below template. Access token is given when participant authenticate for the first time.

https://biller.mybluemix.net/biller/icicibank/billpay?client\_id=<Client\_Id>&token=<Token>&custid=<CustId>&nickname=<NickName>&amount=<Amount>

**Sample Request**

https://biller.mybluemix.net/biller/icicibank/billpay?client\_id=ICICI.APPATHON@GMAIL.COM&token=656b872f26e4&custid=33335001&nickname=e3&amount=100

**Description of Request parameters:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Description** | **Required** | **Data type** | **Min Length** | **Max Length** |
| Client\_id | Participant Email ID given at time of registration. | Yes | string | 10 | 50 |
| Token | Unique token to authenticate participant’s every request. | Yes | string | 12 | 12 |
| Custid | Cust Id Of the user | Yes | Number | 8 | 8 |
| NickName | NickName by users choice | Yes | String |  |  |
| Amount | Amount To be paid to user | Yes | Number | 1 | 4 |

If the authorization was denied, the service will respond with an error:

{

“code”: 401,

“message”: “User not authorized”

"description: "Access Denied"

}

**Sample Response:**

[

{"code":200},

{"Success":"Bill paid successfully from account number : 4444777755550001 to e3 biller"}

]

**Response parameters details:**

|  |  |  |
| --- | --- | --- |
| ***Http Status Code*** | ***Description*** | ***Schema*** |
| **200** | Transaction success | [{  code:  int  *Error Code*  },  {  Success  message:  string  } |
| **4xx/5xx** | Transaction failure | {  code:  integer (int32)  *Error code*  message:  string  *Error message*  } |

* 1. Pay Bill Using Debit Card

This Api will pay the bill Using Debit card to the biller already added by user.

**Request URL:**

Request URL to be formed as per below template. Access token is given when participant authenticate for the first time.

https://biller.mybluemix.net/biller/icicibank/authDebitDetails?client\_id[=<Client\_Id>&token=<Token>&custid=<Cust\_Id>&debit\_card\_no=<DebitCardNumber>&cvv=<CVV>&expiry\_date=<Expiry\_Date>&nickname=<NickName>&amount=<Amount>](https://biller.mybluemix.net/biller/icicibank/authDebitDetails?client_id=ICICI.APPATHON@GMAIL.COM&token=656b872f26e4&custid=33335001&debit_card_no=3477551166995001&cvv=501&expiry_date=10-19&nickname=e1&amount=150)

**Sample Request**

https://biller.mybluemix.net/biller/icicibank/authDebitDetails?client\_id=ICICI.APPATHON@GMAIL.COM&token=656b872f26e4&custid=33335001&debit\_card\_no=3477551166995001&cvv=501&expiry\_date=10-19&nickname=e1&amount=150

**Description of Request parameters:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Description** | **Required** | **Data type** | **Min Length** | **Max Length** |
| Client\_id | Participant Email ID given at time of registration. | Yes | string | 10 | 50 |
| Token | Unique token to authenticate participant’s every request. | Yes | string | 12 | 12 |
| Custid | Cust Id Of the user | Yes | Number | 8 | 8 |
| Debit\_Card\_Number | Debit Card number given to user | Yes | String | 15 | 16 |
| CVV | Cvv Of card given to user | Yes | Number | 3 | 3 |
| Expiery Date | Expiery Date of card | Yes | Date | 5 | 5 |
| NickName | NickName by users choice | Yes | String |  |  |
| Amount | Amount To be paid to user | Yes | Number | 1 | 4 |

If the authorization was denied, the service will respond with an error:

{

“code”: 401,

“message”: “User not authorized”

"description: "Access Denied"

}

**Sample Response:**

[

{"code":200},

{"Success":"Bill paid successfully from account number : 4444777755550001 to e3 biller"}

]

**Response parameters details:**

|  |  |  |
| --- | --- | --- |
| ***Http Status Code*** | ***Description*** | ***Schema*** |
| **200** | Transaction success | [{  code:  int  *Error Code*  },  {  Success  message:  string  } |
| **4xx/5xx** | Transaction failure | {  code:  integer (int32)  *Error code*  message:  string  *Error message*  } |

* 1. Schedule Pay

This API will schedule payment to a biller already added by user for a account Number. Payment Schedule can be done with and without a limited amount. User have to give weather limited pay is Y or N.

**Request URL:**

Request URL to be formed as per below template. Access token is given when participant authenticate for the first time.

https://biller.mybluemix.net/biller/icicibank/schedulePay?client\_id[=](https://biller.mybluemix.net/biller/icicibank/schedulePay?client_id=ICICI.APPATHON@GMAIL.COM&token=656b872f26e4&custid=33335002&nickname=e1&consumerno=74589632&autodate=12&limitedpay=N&limitedamt)<Client\_Id>&token=<Token>&custid=<Token>&nickname=<NickName>&consumerno=<ConsumerNumber>&autodate=<AutoDate>&limitedpay=<Limited\_Pay>&limitedamt=<LimitedAmount>

**Request URL:**

https://biller.mybluemix.net/biller/icicibank/schedulePay?client\_id=ICICI.APPATHON@GMAIL.COM&token=656b872f26e4&custid=33335002&nickname=e1&consumerno=74589632&autodate=12&limitedpay=N&limitedamt=

**Description of Request parameters:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Description** | **Required** | **Data type** | **Min Length** | **Max Length** |
| Client\_id | Participant Email ID given at time of registration. | Yes | string | 10 | 50 |
| Token | Unique token to authenticate participant’s every request. | Yes | string | 12 | 12 |
| Custid | Cust Id Of the user | Yes | Number | 8 | 8 |
| NickName | NickName by users choice | Yes | String |  |  |
| Consumer No | Consumer number the biller | Yes | Number | 8/10 | 8/10 |
| autoDate | Date on which user want to schedule payment (Must be in between 1 to 15) | Yes | Number | 1 | 2 |
| Limited Pay | Limited Pay must be Y or N | Yes | String | 1 | 1 |
| Limited Amount | If Limited pay is Y limited amount must be entered | No | Number | 1 | 4 |

If the authorization was denied, the service will respond with an error:

{

“code”: 401,

“message”: “User not authorized”

"description: "Access Denied"

}

**Sample Response:**

[

{"code":200},

{"Success":"Schedule Pay Success For account number : 4444777755550001 and NickName : e3"}

]

**Response parameters details:**

|  |  |  |
| --- | --- | --- |
| ***Http Status Code*** | ***Description*** | ***Schema*** |
| **200** | Transaction success | [{  code:  int  *Error Code*  },  {  Success  message:  string  } |
| **4xx/5xx** | Transaction failure | {  code:  integer (int32)  *Error code*  message:  string  *Error message*  } |

1. UPI APIs
   1. Create VPA for your Account

This API is used to create new VPA for using UPI service

**Request URL:**

Request URL to be formed as per below template. Access token is given when participant authenticate for the first time.

https://upiservice.mybluemix.net/banking/icicibank/createVPA?client\_id=<client\_id>&token=<token>&accountNo=<accout\_no>&vpa=<vpa>

**Sample Request:**

<https://upiservice.mybluemix.net/banking/icicibank/createVPA?client_id=ICICI.APPATHON@GMAIL.COM&token=656b872f26e4s&accountNo=4444777755550001&vpa=icici.appathon1@icicibank>

**Description of Request parameters:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Description** | **Required** | **Data type** | **Min Length** | **Max Length** |
| Client\_id | Participant Email ID given at time of registration. | Yes | string | 10 | 50 |
| Token | Unique token is to access this API and is valid for 60 days from generation date. | Yes | string | 12 | 12 |
| AccountNo | Unique bank account number of the participant | Yes | string | 16 | 16 |
| VPA | Unique VPA of customer (yourVPA@icicibank | Yes | String | 10 | 50 |

If the authorization was denied, create VPA will send an error:

[{

"code":401,"description":"Access Denied",

"message":"User Not Authorized"

}]

This API will respond to the request with the following response

**Sample Response:**

[{  
 "code": 200  
 },  
 {  
 "response": "VPA icici.appathon1@icicibank mapped successfully for account no 4444777755550001"  
 }]

**Response parameters details:**

|  |  |  |
| --- | --- | --- |
| ***Http Status Code*** | ***Description*** | ***Schema*** |
| **200** | Transaction success | [{  code:  int  *Error Code*  },  {  response:  string  *response message*  } |
| **4xx/5xx** | Transaction failure | {  code:  integer (int32)  *Error code*  message:  string  *Error message*  description:  string  *Error description*  } |

* 1. Fetch VPA for your Account

**Refer 8.2 – Bank Account Summary**

* 1. Fund Transfer from VPA to VPA

This API is used to transfer funds using UPI service from VPA to VPA

**Request URL:**

Request URL to be formed as per below template. Access token is given when participant authenticate for the first time.

https://upiservice.mybluemix.net/banking/icicibank/upiFundTransferVToV?client\_id=<client\_id>&token=<token>&payerCustId=<payer\_cust\_Id>&payerVPA=<payer\_vpa>&payeeVPA=<payee\_vpa>&amount=<amount>&remarks=<remarks>

**Sample Request:**

https://upiservice.mybluemix.net/banking/icicibank/upiFundTransferVToV?client\_id=ICICI.APPATHON@GMAIL.COM&token=656b872f26e4&payerCustId=33335001&payerVPA=icici.appathon1@icicibank&payeeVPA=icici.appathon2@icicibank&amount=5000&remarks=Fees\_payment

**Description of Request parameters:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Description** | **Required** | **Data type** | **Min Length** | **Max Length** |
| Client\_id | Participant Email ID given at time of registration. | Yes | string | 10 | 50 |
| Token | Unique token is to access this API and is valid for 60 days from generation date. | Yes | string | 12 | 12 |
| payerCustId | Unique bank account number of the participant | Yes | string | 16 | 16 |
| payerVPA | VPA of payer | Yes | String | 10 | 50 |
| payeeVPA | VPA of payee | Yes | String | 10 | 50 |
| amount | amount | Yes | String | - | - |
| remarks | Remarks if any | Yes | String | 1 | 100 |

If the authorization was denied, fund transfer will send an error:

[{

"code":401,"description":"Access Denied",

"message": "User Not Authorized"

}]

This API will respond to the request with the following response

**Sample Response:**

[

{"code":200},

{

"transaction\_date":"2017-03-24 11:47:24",

"transaction\_id":"177",

"transaction\_amount":"5000.00",

"payee\_name":"A2",

"payee\_VPA":"[icici.appathon2@icicibank](mailto:icici.appathon2@icicibank)",

"status":"SUCCESS"

}

]

**Response parameters details:**

|  |  |  |
| --- | --- | --- |
| ***Http Status Code*** | ***Description*** | ***Schema*** |
| **200** | Transaction success | [{  code:  int  *Error Code*  },  {  transaction\_date:  string  *transaction date*  transaction\_id:  string  *transaction id*  transaction\_amount:  string  *transaction amount*  payee\_name:  string  *payee Name*  payee\_VPA:  string  *payee VPA*  status:  string  *status*  } |
| **4xx/5xx** | Transaction failure | {  code:  integer (int32)  *Error code*  message:  string  *Error message*  description:  string  *Error description*  } |

* 1. Fund Transfer from VPS to Account No.

This API is used to transfer funds using UPI service from VPA to Account Number

**Request URL:**

Request URL to be formed as per below template. Access token is given when participant authenticate for the first time.

https://upiservice.mybluemix.net/banking/icicibank/upiFundTransferVToA?client\_id=<client\_id>&token=<token>&payerCustId=<payer\_cust\_id>&payerVPA=<payer\_vpa>&payeeAccount=<payee\_account>&amount=<amount>&remarks=<remarks>

**Sample Request:**

https://upiservice.mybluemix.net/banking/icicibank/upiFundTransferVToA?client\_id=ICICI.APPATHON@GMAIL.COM&token=656b872f26e4&payerCustId=33335002&payerVPA=icici.appathon2@icicibank&payeeAccount=4444777755550001&amount=500&remarks=Fees\_Payment

**Description of Request parameters:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Description** | **Required** | **Data type** | **Min Length** | **Max Length** |
| Client\_id | Participant Email ID given at time of registration. | Yes | string | 10 | 50 |
| Token | Unique token is to access this API and is valid for 60 days from generation date. | Yes | string | 12 | 12 |
| payerCustId | Unique bank account number of the participant | Yes | string | 16 | 16 |
| payerVPA | VPA of payer | Yes | String | 10 | 50 |
| payeeAccount | Account no of payee | Yes | String | 10 | 50 |
| amount | amount | Yes | String | - | - |
| remarks | Remarks if any | Yes | String | 1 | 100 |

If the authorization was denied, fund transfer will send an error:

[{

"code":401,"description":"Access Denied",

"message":"User Not Authorized"

}]

This API will respond to the request with the following response

**Sample Response:**

[  
 {  
 "code": 200  
 },  
 {  
 "transaction\_date": "2017-03-24 11:54:35",  
 "transaction\_id": "179",  
 "transaction\_amount": "500.00",  
 "payee\_name": "A1",  
 "payeeAccount": "4444777755550001",  
 "status": "SUCCESS"  
 }  
]

**Response parameters details:**

|  |  |  |
| --- | --- | --- |
| ***Http Status Code*** | ***Description*** | ***Schema*** |
| **200** | Transaction success | [{  code:  int  *Error Code*  },  {  transaction\_date:  string  *transaction date*  transaction\_id:  string  *transaction id*  transaction\_amount:  string  *transaction amount*  payee\_name:  string  *payee Name*  payeeAccount:  string  *payee Account*  status:  string  *status*  } |
| **4xx/5xx** | Transaction failure | {  code:  integer (int32)  *Error code*  message:  string  *Error message*  description:  string  *Error description*  } |

1. Pay with Points
   1. Add Reward Points

This API add reward points on debit payments

**Request URL:**

Request URL to be formed as per below template. Access token is given when participant authenticate for the first time.

https://debitcardapi.mybluemix.net/debit/icicibank/addRewardPoints?client\_id=<participant\_id>&token=<access token>&custid=<customer id>&reward\_point=<reward point>

**Sample Request:**

https://debitcardapi.mybluemix.net/debit/icicibank/addRewardPoints?client\_id=ICICI.APPATHON@GMAIL.COM&token=656b872f26e4&custid=33335001&reward\_point=10

**Description of Request parameters:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Description** | **Required** | **Data type** | **Min Length** | **Max Length** |
| client\_id | Participant Email ID given at time of registration. | YES | string | 10 | 50 |
| token | Unique token is to access this API and is valid for 60 days from generation date. | YES | string | 12 | 12 |
| custid | Unique customer number of the participant | YES | string | 16 | 16 |
| reward\_point | reward\_point | YES | string | 1 | 05 |

If the authorization was denied, Adding reward points will send an error:

[{

"code":401,

"description":"Access Denied",

"message":"User Not Authorized"

}]

This API will respond to the request with the status for adding reward points.

**Sample Response:**

[{

"code":200},

{

"response":"Reward Point Added Successfully"

}]

**Response parameters details:**

|  |  |  |
| --- | --- | --- |
| ***Http Status Code*** | ***Description*** | ***Schema*** |
| **200** | Transaction success | [{  code:  int  *Error Code*  },  {  response:  string  ***Response***} |
| **4xx/5xx** | Transaction failure | {  code:  integer (int32)  *Error code*  message:  string  *Error message*  description:  string  *Error description*  } |

* 1. Use Reward Points for Bill Payments

This API is used to pay bill via Reward Points

**Request URL:**

Request URL to be formed as per below template. Access token is given when participant authenticate for the first time.

https://debitcardapi.mybluemix.net/debit/icicibank/payBillViaReward?client\_id=<participant\_id>&token=<access token>&custid =<customer id>&billerType=<Type of Biller>&billerName=<Name Of Biller>&consumer\_number=<Consumer Number >&reward\_point=<reward points >

**Valid Values (combination) for BillerType & Biller Name**

* Mobile Airtel
* Mobile Bsnl
* Dth         DishTv
* Dth       TataSky
* Lpg       Hp
* Lpg       BharatPetrolium

**Sample Request:**

https://debitcardapi.mybluemix.net/debit/icicibank/payBillViaReward?client\_id=ICICI.APPATHON@GMAIL.COM&token=656b872f26e4&custid=33335001&billerType=DTh&billerName=dishtv&consumer\_number=98929814&reward\_point=9

**Description of Request parameters:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Description** | **Required** | **Data type** | **Min Length** | **Max Length** |
| client\_id | Participant Email ID given at time of registration. | YES | string | 10 | 50 |
| token | Unique token is to access this API and is valid for 60 days from generation date. | YES | string | 12 | 12 |
| custid | Unique customer number of the participant | YES | string | 16 | 16 |
| billerType | Type of Biller like mobile ,gas ,DTH etc | YES | string |  |  |
| billerName | Name of Biller like BSNL,Tata sky only | YES | string |  |  |
| reward\_point | reward\_point | YES | string | 1 | 05 |

If the authorization was denied, Bill payment will send an error:

[{

"code":401,

"description":"Access Denied",

"message":"User Not Authorized"

}]

This API will respond to the request with the status of bill payment.

**Sample Response:**

[{

"code":200},

{"response": "Bill Paid successfully"

}]

**Response parameters details:**

|  |  |  |
| --- | --- | --- |
| ***Http Status Code*** | ***Description*** | ***Schema*** |
| **200** | Transaction success | [{  code:  int  *Error Code*  },  {  response:  string  ***Response***} |
| **4xx/5xx** | Transaction failure | {  code:  integer (int32)  *Error code*  message:  string  *Error message*  description:  string  *Error description*  } |

* 1. Redeem Reward Points

This API is used to redeem reward points and add them to participant’s wallet amount

**Request URL:**

Request URL to be formed as per below template. Access token is given when participant authenticate for the first time.

https://debitcardapi.mybluemix.net/debit/icicibank/redeemPoints?client\_id=<participant\_id>&token=<access token>&custid =<customer id>&reward\_point=<reward points >

**Sample Request:**

https://debitcardapi.mybluemix.net/debit/icicibank/redeemPoints?client\_id=ICICI.APPATHON@GMAIL.COM&token=656b872f26e4&custid=33335001&reward\_point=30

**Description of Request parameters:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Description** | **Required** | **Data type** | **Min Length** | **Max Length** |
| client\_id | Participant Email ID given at time of registration. | YES | string | 10 | 50 |
| token | Unique token is to access this API and is valid for 60 days from generation date. | YES | string | 12 | 12 |
| custid | Unique customer number of the participant | YES | string | 16 | 16 |
| reward\_point | reward\_point | YES | string | 1 | 05 |

If the authorization was denied, redeem request will send an error:

[{

"code":401,

"description":"Access Denied",

"message":"User Not Authorized"

}]

This API will respond to the request with the status of the redeem request.

**Sample Response:**

[{

"code":200,

"response": "Point redeem successfully, Rs. 166 added to your wallet account, New Wallet balance is Rs. 267"

}]

**Response parameters details:**

|  |  |  |
| --- | --- | --- |
| ***Http Status Code*** | ***Description*** | ***Schema*** |
| **200** | Transaction success | [{  code:  int  *Error Code*  },  {  response:  string  ***Response***} |
| **4xx/5xx** | Transaction failure | {  code:  integer (int32)  *Error code*  message:  string  *Error message*  description:  string  *Error description*  } |

1. Credit Cards APIs
   1. Map Credit Card to Account Holder

This API issues a credit card to the customer. Only one Credit Card can be added per CustId

**Request URL:**

Request URL to be formed as per below template. Access token is given when participant authenticate for the first time.

https://creditcardapi.mybluemix.net/banking/icicibank/addCreditCard?client\_id=<client\_id>&token=<token>&custId=<cust\_id>&cardType=<type\_of\_card>&cardNo=<card\_no>&expDate=<expiry\_date>&cvvNo=<CVV\_no>

**Sample Request:**

https://creditcardapi.mybluemix.net/banking/icicibank/addCreditCard?client\_id=ICICI.APPATHON@GMAIL.COM&token=656b872f26e4&custId=33335001&cardType=VISA&cardNo=1234&expDate=02-23&cvvNo=001

**Description of Request parameters:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Description** | **Required** | **Data type** | **Min Length** | **Max Length** |
| Client\_id | Participant Email ID given at time of registration. | Yes | string | 10 | 50 |
| Token | Unique token to authenticate participant’s every request. | Yes | string | 12 | 12 |
| CustId | Customer Id | Yes | string | 10 | 10 |
| CardType | Type of Credit Card can only be from the list mentioned below | Yes | String | 1 | 50 |
| CardNo | Last 4 digits of the Card No.  The first 12 digits will be pre defined | Yes | String | 4 | 4 |
| ExpiryDate | Expiry Date of the Card.  Should be greater than the current Date in MM-YY format. | Yes | String | 5 | 5 |
| CVVNumber | CVV no of the Credit Card  Must be a 3 digit number. | Yes | String | 3 | 3 |

**Card Types:**

1. MASTERCARD

2. VISA

3. PLATINUM

4. SIGNATURE

**Default Values:**

Card Status: Active

Overseas Use: Inactive

Initial Credit Limit: 40000

If the authorization was denied, the service will respond with an error:

{

“code”: 401,

“message”: “User not authorized”,

“description”: “Access Denied”,

}

**Sample Response:**

[

{

"code":200

},

{

"response":"Credit Card 4375510212341234 Added Successfully for custId : 33335001"

}

]

**Response parameters details:**

|  |  |  |
| --- | --- | --- |
| ***Http Status Code*** | ***Description*** | ***Schema*** |
| **200** | Transaction success | [{  code:  int  *Error Code*  },  {  response:  string  *Response message*  } |
| **4xx/5xx** | Transaction failure | {  code:  integer (int32)  *Error code*  message:  string  *Error message*  description:  string  *Error description*  } |

* 1. Get Card Account Details (Using Card Number)

This API is used to get credit card details by using Card No.

**Request URL:**

Request URL to be formed as per below template. Access token is given when participant authenticate for the first time.

https://pocketsapi.mybluemix.net/rest/Card/getCardDetails?cardNumber=<card\_number>&clientId=<client\_id>&authToken=<token>

**Sample Request:**

https://pocketsapi.mybluemix.net/rest/Card/getCardDetails?cardNumber=4375510212341234&clientId=ICICI.APPATHON@GMAIL.COM&authToken=656b872f26e4

**Description of Request parameters:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Description** | **Required** | **Data type** | **Min Length** | **Max Length** |
| Client\_id | Participant Email ID given at time of registration. | Yes | string | 10 | 50 |
| Token | Unique token to authenticate participant’s every request. | Yes | string | 12 | 12 |
| CardNumber | Card Number | Yes | string | 16 | 16 |

If the authorization was denied, the service will respond with an error:

{  
 "code": "115",  
 "description": "Authentication failed"  
}

**Sample Response:**

[  
 {  
 "code": "200"  
 },  
 {  
 "card\_no": "4375510212341234",  
 "cardType": "VISA",  
 "cardStatus": "INACTIVE",  
 "current\_balance": 400,  
 "date\_of\_enrollment": "2017-03-23-03.06.35",  
 "custId": "33335001",  
 "expiry\_date": "02-23",  
 "avail\_lmt": "50000"  
 }  
]

**Response parameters details:**

|  |  |  |
| --- | --- | --- |
| ***Http Status Code*** | ***Description*** | ***Schema*** |
| **200** | Transaction success | [  {  code:  int  *Error Code*  },  {  card\_no:  string  *Card Number*  cardType:  string  *Card Type*  cardStatus:  string  *Card Status*  current\_balance:  string  *Current Balance*  date\_of\_enrollment:  string  *Date of enrollment*  custId:  string  *Cust Id*  expiry\_date:  string  *Expiry Date*  avail\_lmt:  string  *Available limit*  }  ] |
| **4xx/5xx** | Transaction failure | {  code:  integer (int32)  *Error code*  description:  string  *Error description*  } |

* 1. Get Card Account Details (Using Cust\_ID)

This API is used to get credit card details by using cust id.

**Request URL:**

Request URL to be formed as per below template. Access token is given when participant authenticate for the first time.

https://pocketsapi.mybluemix.net/rest/Card/getCardDetails?cardNumber=<Cust ID>&clientId=<client\_id>&authToken=<token>

**Sample Request:**

https://pocketsapi.mybluemix.net/rest/Card/getCardDetails?cardNumber=33335001&clientId=ICICI.APPATHON@GMAIL.COM&authToken=656b872f26e4

**Description of Request parameters:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Description** | **Required** | **Data type** | **Min Length** | **Max Length** |
| Client\_id | Participant Email ID given at time of registration. | Yes | string | 10 | 50 |
| Token | Unique token to authenticate participant’s every request. | Yes | string | 12 | 12 |
| cardNumber | Customer Id | Yes | string | 8 | 8 |

If the authorization was denied, the service will respond with an error:

{  
 "code": "115",  
 "description": "Authentication failed"  
}

**Sample Response:**

[  
 {  
 "code": "200"  
 },  
 {  
 "card\_no": "4375510212341234",  
 "cardType": "VISA",  
 "cardStatus": "INACTIVE",  
 "current\_balance": 400,  
 "date\_of\_enrollment": "2017-03-23-03.06.35",  
 "custId": "33335001",  
 "expiry\_date": "02-23",  
 "avail\_lmt": "50000"  
 }  
]

**Response parameters details:**

|  |  |  |
| --- | --- | --- |
| ***Http Status Code*** | ***Description*** | ***Schema*** |
| **200** | Transaction success | [  {  code:  int  *Error Code*  },  {  card\_no:  string  *Card Number*  cardType:  string  *Card Type*  cardStatus:  string  *Card Status*  current\_balance:  string  *Current Balance*  date\_of\_enrollment:  string  *Date of enrollment*  custId:  string  *Cust Id*  expiry\_date:  string  *Expiry Date*  avail\_lmt:  string  *Available limit*  }  ] |
| **4xx/5xx** | Transaction failure | {  code:  integer (int32)  *Error code*  description:  string  *Error description*  } |

* 1. Change Credit Limit

This API is used to modify credit limit available on the card. Maximun Credit Limit can be 100000.

**Request URL:**

Request URL to be formed as per below template. Access token is given when participant authenticate for the first time.

https://creditcardapi.mybluemix.net/banking/icicibank/changeCreditLimit?client\_id=<client\_id>&token=<token>&custId=<cust\_id>&creditLimit=<credit\_limit>

**Sample Request:**

https://creditcardapi.mybluemix.net/banking/icicibank/changeCreditLimit?client\_id=ICICI.APPATHON@GMAIL.COM&token=656b872f26e4&custId=33335001&creditLimit=50000

**Description of Request parameters:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Description** | **Required** | **Data type** | **Min Length** | **Max Length** |
| Client\_id | Participant Email ID given at time of registration. | Yes | string | 10 | 50 |
| Token | Unique token to authenticate participant’s every request. | Yes | string | 12 | 12 |
| CustId | Customer Id | Yes | string | 8 | 8 |
| Credit Limit | New credit limit | Yes | String | 5 | 5 |

If the authorization was denied, the service will respond with an error:

{

“code”: 401,

“message”: “User not authorized”,

“description”: “Access Denied”,

}

**Sample Response:**

[

{

"code":200

},

{

"response":"Credit Limit changed Successfully to 50000 for custId : 33335001"

}

]

**Response parameters details:**

|  |  |  |
| --- | --- | --- |
| ***Http Status Code*** | ***Description*** | ***Schema*** |
| **200** | Transaction success | [  {  code:  int  *Error Code*  },  {  response:  string  *Response message*  }  ] |
| **4xx/5xx** | Transaction failure | {  code:  integer (int32)  *Error code*  message:  string  *Error message*  description:  string  *Error description*  } |

* 1. Activate for Overseas Use

In case of overseas travel, activate the card for use in other country using this API.

The status will be inactive by default.

**Request URL:**

Request URL to be formed as per below template. Access token is given when participant authenticate for the first time.

https://creditcardapi.mybluemix.net/banking/icicibank/activateCardOverseas?client\_id=<client\_id>&token=<token>&custId=<cust\_id>&overseasFlag=<flag>

**Sample Request:**

https://creditcardapi.mybluemix.net/banking/icicibank/activateCardOverseas?client\_id=ICICI.APPATHON@GMAIL.COM&token=656b872f26e4&custId=33335001&overseasFlag=Y

**Description of Request parameters:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Description** | **Required** | **Data type** | **Min Length** | **Max Length** |
| Client\_id | Participant Email ID given at time of registration. | Yes | string | 10 | 50 |
| Token | Unique token to authenticate participant’s every request. | Yes | string | 12 | 12 |
| custId | Customer Id | Yes | string | 8 | 8 |
| overseasFlag | Flag for activation/deactivation of Overseas use. (Y / N) | Yes | String | 1 | 1 |

If the authorization was denied, the service will respond with an error:

{

“code”: 401,

“message”: “User not authorized”,

“description”: “Access Denied”,

}

**Sample Response:**

[  
{

"code":200

},

{

"response":"Card activated successfully for overseas use for custId : 33335001"

}

]

**Response parameters details:**

|  |  |  |
| --- | --- | --- |
| ***Http Status Code*** | ***Description*** | ***Schema*** |
| **200** | Transaction success | [  {  code:  int  *Error Code*  },  {  response:  string  *Response message*  } |
| **4xx/5xx** | Transaction failure | {  code:  integer (int32)  *Error code*  message:  string  *Error message*  description:  string  *Error description*  } |

* 1. Block / Unblock the Card

In case the card is stolen, block the card using this API.

**Request URL:**

Request URL to be formed as per below template. Access token is given when participant authenticate for the first time.

https://creditcardapi.mybluemix.net/banking/icicibank/changeCardStatus?client\_id=<client\_id>&token=<token>&custId=<cust\_id>&cardStatus=<card\_status>

**Sample Request:**

https://creditcardapi.mybluemix.net/banking/icicibank/changeCardStatus?client\_id=ICICI.APPATHON@GMAIL.COM&token=656b872f26e4&custId=33335001&cardStatus=inactive

**Description of Request parameters:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Description** | **Required** | **Data type** | **Min Length** | **Max Length** |
| Client\_id | Participant Email ID given at time of registration. | Yes | string | 10 | 50 |
| Token | Unique token to authenticate participant’s every request. | Yes | string | 12 | 12 |
| custId | Customer Id | Yes | string | 8 | 8 |
| cardStatus | Status for blocking/unblocking of Credit Card. (active / inactive) | Yes | String | 6 | 8 |

If the authorization was denied, the service will respond with an error:

{

“code”: 401,

“message”: “User not authorized”,

“description”: “Access Denied”,

}

**Sample Response:**

[

{

"code":200

},

{

"response":"Card status changed successfully to INACTIVE for custId : 33335001"

}

]

**Response parameters details:**

|  |  |  |
| --- | --- | --- |
| ***Http Status Code*** | ***Description*** | ***Schema*** |
| **200** | Transaction success | [  {  code:  int  *Error Code*  },  {  response:  string  *Response message*  } |
| **4xx/5xx** | Transaction failure | {  code:  integer (int32)  *Error code*  message:  string  *Error message*  description:  string  *Error description*  } |

1. Pockets Wallet Related APIs
   1. Introduction

**Purpose :**

The Pockets wallet API gives merchants and developers the ability to build applications that need wallet functionality. Using this Pockets wallet API participants can build single click checkouts while taking advantage of the established user base of wallets. These APIs allow participants to create/link wallets, credit or debit wallet, and provide other housekeeping activities for the wallet from within their application.

The purpose of this document is to explain the technical details of integration between wallet and merchant’s App.

**Please Note:** All the Regulatory Norms pertaining to Pockets and Wallet in general will follow for the below Pockets APIs.

Below Listed:

1. Only one wallet can be assigned to an Individual (Per Mobile Number one Wallet).

2. Single level of Authentication is required for wallet creation.

3. Total Monthly Credit/Debit Limit is INR 10000.

4. At any given instance pockets wallet cannot have more than INR 10000 balance.

5. Per transaction credit/debit limit isINR 5000.

**Pre-requisites :**

The pre-requisites for using the APIs are set out below:

* All requests to the API require an access token and must be sent to over https. Without an access token, requests to Pockets Wallet APIs will be denied. Users need to securely store access tokens on your server and keep in mind that access tokens can expire anytime.

**Authentication :**

Merchants need to authenticate their account when using the API by including their merchant key in the request. Merchants need to store their merchant key securely and ensure that it does not get shared with anybody else.

Authentication to the API is via HTTP Basic Auth. Merchants need to provide their API key as the basic auth username value. Merchants do not need to provide a password.

All API requests must be made over HTTPS. Calls made over plain HTTP will fail. API requests without authentication will also fail.

**Summary of APIs Available**

1. Wallet Creation and Linking: This is the entry point into other APIs. The user requests permission from the user using an Auth flow. This operation is bears the scope: create

2. Wallet Balance: View the balance in a users’s wallet. This operation is bears the scope: balance

3. Wallet Credit: Credit a users’s wallet. This operation is bears the scope: credit

4. Wallet Bebit: Debit a user’s wallet. This operation is bears the scope: bedit

5. Wallet Mini Statement: View a user’s wallet statement. This operation is bears the scope: statement

* 1. Wallet Creation & Linking

This section briefly describes overall flow of ‘Wallet Creation and Linking’ from Merchant’s app.

1. Wallet Creation and Linking’ will be the entry point to other Wallet APIs. An authorization code will be provided in success response. No other API can be invoked unless Wallet is not linked/created using ‘Wallet Creation and Linking’ API.
2. Merchant’s app will send merchant key (as http basic auth header), customer’s profile data and merchant’s return URL (to receive response) in the request.
3. If wallet already exists for the mobile number then same wallet will be linked else user will be redirected to wallet creation flow.
4. When wallet is created successfully then a success or failure response will be sent to the return URL of merchant along with authorization code.
5. 112
6. The merchant app will exchange the authorization code with an access token with a server-side POST request.
7. Merchant should keep a secure mapping of access token with customer credentials at their. This access token will be used to make subsequent API calls.

**Request URL:**

Request URL to be formed as per below template. Access token is given when participant authenticate for the first time.

<https://pocketsapi.mybluemix.net/rest/Wallet/createWallet?merchant_id>=<Merchant\_Id>&scope=<Scope>&first\_name=<First\_Name>&last\_name=<Last[\_Name>&email=<Email\_Id>&mobile=<Mobile\_No>&dob=<DOB>&gender=<Male>&ip\_address=<IP\_Address>&os=<Operating\_system>&device\_id=<Device\_Id>&state=<State>&clientId=<Client\_Id>&authToken=<Token>](https://pocketsapi.mybluemix.net/rest/Wallet/createWallet?merchant_id=merc_123&scope=create&first_name=sid&last_name=barmecha&email=sidd@icici.com&mobile=7506068235&dob=1991-06-05&gender=male&ip_address=10.22.7.74&os=android&device_id=12345&state=abc&clientId=ICICI.APPATHON@GMAIL.COM&authToken=656b872f26e4)

**Sample Request:**

https://pocketsapi.mybluemix.net/rest/Wallet/createWallet?merchant\_id=merc\_123&scope=create&first\_name=sid&last\_name=barmecha&email=sidd@icici.com&mobile=7506068235&dob=1991-06-05&gender=male&ip\_address=10.22.7.74&os=android&device\_id=12345&state=abc&clientId=ICICI.APPATHON@GMAIL.COM&authToken=656b872f26e4

**Description of Request parameters:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Description** | **Required** | **Data type** | **Min Length** | **Max Length** |
| Merchant\_Id | Unique merchant id assigned at registration Time | Yes | String | 5 | 50 |
| Scope | APIs for which merchant needs access separated by spaces | Yes | String | 3 | 100 |
| First Name | First Name of the user. | No | String | 2 | 20 |
| Last Name | Last Name Of the user | No | String | 2 | 20 |
| Email\_Id | Email Id of the user | No | String |  |  |
| Mobile | 10 digit mobile number | Yes | Number | 10 | 10 |
| DOB | Date Of Birth of user | No | String | 10 | 10 |
| Gender | Gender of User | NO | String | Male/Female | Male/Female |
| IP\_Address | IP Address of Device | NO | String |  |  |
| OS | Operating System of Mobile | NO | String | Android/ios/windows | Android/ios/windows |
| Device Id | Device Id of device | NO | String |  |  |
| State |  | NO | String |  |  |
| Client\_Id | Participant Email ID given at time of registration. | Yes | String | 10 | 50 |
| Token | Unique token to authenticate participant’s every request. | Yes | String | 12 | 12 |

If the authorization was denied, the service will respond with an error:

{

“code”: 401,

“message”: “User not authorized”

"description: "Access Denied"

}

**Sample Response:**

[

{"Code":"200"},

{"creationStatus":"Wallet Created Successfully","auth\_data":"31f3952bc1184d68b56d"}

]

**Response parameters details:**

|  |  |  |
| --- | --- | --- |
| ***Http Status Code*** | ***Description*** | ***Schema*** |
| **200** | Transaction success | [{  code:  int  *Error Code*  },  {  CreationStatus  String  *Creation Confirmation*  auth\_data  String  *Auth Code*  } |
| **4xx/5xx** | Transaction failure | {  code:  integer (int32)  *Error code*  message:  string  *Error message*  } |

* 1. Wallet Balance Enquiry

This is a simple API to fetch a user’s wallet balance.

**Request URL:**

Request URL to be formed as per below template. Access token is given when participant authenticate for the first time.

https://pocketsapi.mybluemix.net/rest/Wallet/getWalletBalance?id\_type=<Token>&id\_value=<Id\_Value>&auth\_type=<Token>&auth\_data=<Auth\_Data>&latitude=<Latitude>&longitude=<Longitude>&imei=<IMEI>&device\_id=<Device\_Id>&ip\_address=<IP\_Address>&os=<Operating\_System>&clientID=<Client\_Id>&authToken=<Token>

**Sample Request:**

https://pocketsapi.mybluemix.net/rest/Wallet/getWalletBalance?id\_type=token&id\_value=d7e850825e754045955a&auth\_type=TOKEN&auth\_data=d7e850825e754045955a&latitude=73.8500124&longitude=19.11376955&imei=35550702720000&device\_id=12345&ip\_address=10.22.7.74&os=android&clientID=ICICI.APPATHON@GMAIL.COM&authToken=656b872f26e4

**Description of Request parameters:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Description** | **Required** | **Data type** | **Min Length** | **Max Length** |
| [Id](https://pocketsapi.mybluemix.net/rest/Wallet/createWallet?merchant_id=merc_123&scope=create&first_name=sid&last_name=barmecha&email=sidd@icici.com&mobile=7506068235&dob=1991-06-05&gender=male&ip_address=10.22.7.74&os=android&device_id=12345&state=abc&clientId=ICICI.APPATHON@GMAIL.COM&authToken=656b872f26e4)\_Type | This should be set as TOKEN | Yes | String | 5 | 5 |
| ID\_Value | Access token granted during OAuth | Yes | String | 15 | 25 |
| Auth\_Type | This should be set as TOKEN | No | String | 5 | 5 |
| Auth\_data | Access token granted during OAuth | No | String | 15 | 25 |
| Latitude | Latitude of the device | No | String | 10 | 10 |
| Longitude | Longitude of the device | Yes | Number | 10 | 10 |
| imei | IMEI number of device | No | String | 16 | 16 |
| Device Id | Device Id of device | NO | String | 5 | 5 |
| IP\_Address | IP Address of Device | NO | String | 9 | 16 |
| OS | Operating System of Mobile | NO | String | Android/ios/windows | Android/ios/windows |
| Client\_Id | Participant Email ID given at time of registration. | Yes | String | 10 | 50 |
| Token | Unique token to authenticate participant’s every request. | Yes | String | 12 | 12 |

If the authorization was denied, the service will respond with an error:

{

“code”: 401,

“message”: “User not authorized”

"description: "Access Denied"

}

**Sample Response:**

[

{"Code":"200"},

{"amount":"8692.00","bank\_txn\_id":"31543"}

]

**Response parameters details:**

|  |  |  |
| --- | --- | --- |
| ***Http Status Code*** | ***Description*** | ***Schema*** |
| **200** | Transaction success | [{  code:  int  *Error Code*  },  {  Amount  String  *Wallet* *Balance*  Bank\_Txn\_Id  String  *Bank transaction number*  } |
| **4xx/5xx** | Transaction failure | {  code:  integer (int32)  *Error code*  message:  string  *Error message*  } |

* 1. Wallet Credit Amount

This is the API to credit a user’s wallet balance. The API will credit the customer’s wallet and debit the merchant’s current account with ICICI Bank.

**Request URL:**

Request URL to be formed as per below template. Access token is given when participant authenticate for the first time.

https://pocketsapi.mybluemix.net/rest/Wallet/creditWalletAmount?[id\_type=<Token>&id\_value=<Id\_Value>&auth\_type=<Token>&auth\_data=<Auth\_Data>](https://pocketsapi.mybluemix.net/rest/Wallet/getWalletBalance?id_type=token&id_value=d7e850825e754045955a&auth_type=TOKEN&auth_data=d7e850825e754045955a&latitude=73.8500124&longitude=19.11376955&imei=35550702720000&device_id=12345&ip_address=10.22.7.74&os=android&clientID=ICICI.APPATHON@GMAIL.COM&authToken=656b872f26e4)&txn\_id=<Txn\_Id>&amount=<Amount>&promocode=<Promo\_Code>&remarks=<Remarks>&sub\_merchant=<Sub\_Merchant\_Id>&latitude=<Latitude>&longitude=<Longitude>&imei=<IMEI>&device\_id=<Device\_Id>&ip\_address=<IP\_Address>&os=<Operating\_System>&clientID=<Client\_Id>&authToken=<Token>

**Sample Request:**

https://pocketsapi.mybluemix.net/rest/Wallet/creditWalletAmount?id\_type=token&id\_value=d7e850825e754045955a&auth\_type=TOKEN&auth\_data=d7e850825e754045955a&txn\_id=123498&amount=1000&promocode=pockt1234&remarks=Cake shop&sub\_merchant=Cakerina&latitude=73.8500124&longitude=19.11376955&imei=35550702720000&device\_id=12345&ip\_address=10.22.7.74&os=android&clientID=ICICI.APPATHON@GMAIL.COM&authToken=656b872f26e4

**Description of Request parameters:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Description** | **Required** | **Data type** | **Min Length** | **Max Length** |
| [Id](https://pocketsapi.mybluemix.net/rest/Wallet/createWallet?merchant_id=merc_123&scope=create&first_name=sid&last_name=barmecha&email=sidd@icici.com&mobile=7506068235&dob=1991-06-05&gender=male&ip_address=10.22.7.74&os=android&device_id=12345&state=abc&clientId=ICICI.APPATHON@GMAIL.COM&authToken=656b872f26e4)\_Type | This should be set as TOKEN | Yes | String | 5 | 5 |
| ID\_Value | Access token granted during OAuth | Yes | String | 15 | 25 |
| Auth\_Type | This should be set as TOKEN | Yes | String | 5 | 5 |
| Auth\_data | Access token granted during OAuth | Yes | String | 15 | 25 |
| Txn\_Id | Unique Transaction ID generated by merchant. | Yes | Number | 5 | 8 |
| Amount | Transaction amount | Yes | Double | 1 | 7 |
| Promocode | Promocode if there is any | NO | String | 3 | 10 |
| Remarks | Transaction remarks | NO | String | 1 | 20 |
| Sub\_Merchant\_Id | Sub merchant details in case of master merchant | No | String | 3 | 10 |
| Latitude | Latitude of the device | No | String | 10 | 10 |
| Longitude | Longitude of the device | Yes | Number | 10 | 10 |
| imei | IMEI number of device | No | String | 16 | 16 |
| Device Id | Device Id of device | NO | String | 5 | 5 |
| IP\_Address | IP Address of Device | NO | String | 9 | 16 |
| OS | Operating System of Mobile | NO | String | Android/ios/windows | Android/ios/windows |
| Client\_Id | Participant Email ID given at time of registration. | Yes | String | 10 | 50 |
| Token | Unique token to authenticate participant’s every request. | Yes | String | 12 | 12 |

If the authorization was denied, the service will respond with an error:

{

“code”: 401,

“message”: “User not authorized”

"description: "Access Denied"

}

**Sample Response Parameter:**

[

{"Code":"200"},

{"amount":"1000.00","txn\_id":"123498","bank\_txn\_id":"00647"}

]

**Response parameters details:**

|  |  |  |
| --- | --- | --- |
| ***Http Status Code*** | ***Description*** | ***Schema*** |
| **200** | Transaction success | [{  code:  int  *Error Code*  },  {  Amount  String  *Amount Credited*  Txn\_Id  String  *Transaction Number*  Bank\_Txn\_Id  String  *Bank Transaction Number*  } |
| **4xx/5xx** | Transaction failure | {  code:  integer (int32)  *Error code*  message:  string  *Error message*  } |

* 1. Wallet Debit Amount

This is the API to debit a user’s wallet balance. The API will debit the customer’s wallet and credit the merchant’s current account with ICICI Bank.

**Request URL:**

Request URL to be formed as per below template. Access token is given when participant authenticate for the first time.

https://pocketsapi.mybluemix.net/rest/Wallet/debitWalletAmount?[id\_type](https://pocketsapi.mybluemix.net/rest/Wallet/creditWalletAmount?id_type)[=<Token>&id\_value=<Id\_Value>&auth\_type=<Token>&auth\_data=<Auth\_Data>](https://pocketsapi.mybluemix.net/rest/Wallet/getWalletBalance?id_type=token&id_value=d7e850825e754045955a&auth_type=TOKEN&auth_data=d7e850825e754045955a&latitude=73.8500124&longitude=19.11376955&imei=35550702720000&device_id=12345&ip_address=10.22.7.74&os=android&clientID=ICICI.APPATHON@GMAIL.COM&authToken=656b872f26e4)&txn\_id=<Txn\_Id>&amount=<Amount>&promocode=<Promo\_Code>&remarks=<Remarks>&sub\_merchant=<Sub\_Merchant\_Id>&latitude=<Latitude>&longitude=<Longitude>&imei=<IMEI>&device\_id=<Device\_Id>&ip\_address=<IP\_Address>&os=<Operating\_System>&clientID=<Client\_Id>&authToken=<Token>

**Sample Request:**

https://pocketsapi.mybluemix.net/rest/Wallet/debitWalletAmount?id\_type=token&id\_value=d7e850825e754045955a&auth\_type=TOKEN&auth\_data=d7e850825e754045955a&txn\_id=123498&amount=100&promocode=pockt1234&remarks=Cake shop&sub\_merchant=Cakerina&latitude=73.8500124&longitude=19.11376955&imei=35550702720000&device\_id=12345&ip\_address=10.22.7.74&os=android&clientID=ICICI.APPATHON@GMAIL.COM&authToken=656b872f26e4

**Description of Request parameters:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Description** | **Required** | **Data type** | **Min Length** | **Max Length** |
| [Id](https://pocketsapi.mybluemix.net/rest/Wallet/createWallet?merchant_id=merc_123&scope=create&first_name=sid&last_name=barmecha&email=sidd@icici.com&mobile=7506068235&dob=1991-06-05&gender=male&ip_address=10.22.7.74&os=android&device_id=12345&state=abc&clientId=ICICI.APPATHON@GMAIL.COM&authToken=656b872f26e4)\_Type | This should be set as TOKEN | Yes | String | 5 | 5 |
| ID\_Value | Access token granted during OAuth | Yes | String | 15 | 25 |
| Auth\_Type | This should be set as TOKEN | Yes | String | 5 | 5 |
| Auth\_data | Access token granted during OAuth | Yes | String | 15 | 25 |
| Txn\_Id | Unique Transaction ID generated by merchant. | Yes | Number | 5 | 8 |
| Amount | Transaction amount | Yes | Double | 1 | 7 |
| Promocode | Promocode if there is any | NO | String | 3 | 10 |
| Remarks | Transaction remarks | NO | String | 1 | 20 |
| Sub\_Merchant\_Id | Sub merchant details in case of master merchant | No | String | 3 | 10 |
| Latitude | Latitude of the device | No | String | 10 | 10 |
| Longitude | Longitude of the device | Yes | Number | 10 | 10 |
| imei | IMEI number of device | No | String | 16 | 16 |
| Device Id | Device Id of device | NO | String | 5 | 5 |
| IP\_Address | IP Address of Device | NO | String | 9 | 16 |
| OS | Operating System of Mobile | NO | String | Android/ios/windows | Android/ios/windows |
| Client\_Id | Participant Email ID given at time of registration. | Yes | String | 10 | 50 |
| Token | Unique token to authenticate participant’s every request. | Yes | String | 12 | 12 |

If the authorization was denied, the service will respond with an error:

{

“code”: 401,

“message”: “User not authorized”

"description: "Access Denied"

}

**Sample Response Parameter**

[

{"Code":"200"},

{"amount":"9692.00","txn\_id":"123498","bank\_txn\_id":"00647"}

]

**Response parameters details:**

|  |  |  |
| --- | --- | --- |
| ***Http Status Code*** | ***Description*** | ***Schema*** |
| **200** | Transaction success | [{  code:  int  *Error Code*  },  {  Amount  String  *Debited Amount*  Txn\_Id  String  *Transaction Number*  Bank\_Txn\_Id  String  *Bank Transaction Number*  } |
| **4xx/5xx** | Transaction failure | {  code:  integer (int32)  *Error code*  message:  string  *Error message*  } |

* 1. Wallet Statement Details

This is a simple API to fetch a user’s wallet statement.

**Request URL:**

Request URL to be formed as per below template. Access token is given when participant authenticate for the first time.

https://pocketsapi.mybluemix.net/rest/Wallet/getWalletStatementDetails?[id\_type](https://pocketsapi.mybluemix.net/rest/Wallet/creditWalletAmount?id_type)=<Token>&id\_value=<Id\_Value>&auth\_type=<Token>&auth\_data=<Auth\_Data>&latitude=<Latitude>&longitude=<Longitude>&imei=<IMEI>&device\_id=<Device\_Id>&ip\_address=<IP\_Address>&os=<Operating\_System>&clientID=<Client\_Id>&authToken=<Token>

**Sample Request:**

https://pocketsapi.mybluemix.net/rest/Wallet/getWalletStatementDetails?id\_type=token&id\_value=d7e850825e754045955a&auth\_type=TOKEN&auth\_data=d7e850825e754045955a&latitude=73.8500124&longitude=19.11376955&imei=35550702720000&device\_id=12345&ip\_address=10.22.7.74&os=android&clientID=ICICI.APPATHON@GMAIL.COM&authToken=656b872f26e4

**Description of Request parameters:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Description** | **Required** | **Data type** | **Min Length** | **Max Length** |
| [Id](https://pocketsapi.mybluemix.net/rest/Wallet/createWallet?merchant_id=merc_123&scope=create&first_name=sid&last_name=barmecha&email=sidd@icici.com&mobile=7506068235&dob=1991-06-05&gender=male&ip_address=10.22.7.74&os=android&device_id=12345&state=abc&clientId=ICICI.APPATHON@GMAIL.COM&authToken=656b872f26e4)\_Type | This should be set as TOKEN | Yes | String | 5 | 5 |
| ID\_Value | Access token granted during OAuth | Yes | String | 15 | 25 |
| Auth\_Type | This should be set as TOKEN | Yes | String | 5 | 5 |
| Auth\_data | Access token granted during OAuth | Yes | String | 15 | 25 |
| Latitude | Latitude of the device | No | String | 10 | 10 |
| Longitude | Longitude of the device | Yes | Number | 10 | 10 |
| imei | IMEI number of device | No | String | 16 | 16 |
| Device Id | Device Id of device | NO | String | 5 | 5 |
| IP\_Address | IP Address of Device | NO | String | 9 | 16 |
| OS | Operating System of Mobile | NO | String | Android/ios/windows | Android/ios/windows |
| Client\_Id | Participant Email ID given at time of registration. | Yes | String | 10 | 50 |
| Token | Unique token to authenticate participant’s every request. | Yes | String | 12 | 12 |

If the authorization was denied, the service will respond with an error:

{

“code”: 401,

“message”: “User not authorized”

"description: "Access Denied"

}

**Sample Response Parameter:**

[

{"Code":"200"},

[{"bank\_txn\_id":"92680","txn\_id":"123498",

"amount":1000.0,"transDate":"2017-03-16",

"transType":"CREDIT AMOUNT",

"remarks":"Cake shop","walletAcNo":"456987"},

{"bank\_txn\_id":"35717","txn\_id":"123498","amount":0.0,

"transDate":"2017-03-16","transType":"DEBIT AMOUNT",

"remarks":"Cake shop","walletAcNo":"456987"

}]

**Response parameters details:**

|  |  |  |
| --- | --- | --- |
| ***Http Status Code*** | ***Description*** | ***Schema*** |
| **200** | Transaction success | [{  code:  int  *Error Code*  },  {  Statement  String  *Statement*  } |
| **4xx/5xx** | Transaction failure | {  code:  integer (int32)  *Error code*  message:  string  *Error message*  } |

1. Treasury
   1. View Currency Pair

The API returns the buy and sell rates for a given currency pair.

**Request URL:**

Request URL to be formed as per below template. Access token is given when participant authenticate for the first time.

https://treasury.mybluemix.net/banking/icicibank\_treasury/viewCurrencyPairs?client\_id=<participant id>&token=<access token>&custid=<customer id>&user\_id=<usr id>

**Sample Request:**

https://treasury.mybluemix.net/banking/icicibank\_treasury/viewCurrencyPairs?client\_id=ICICI.APPATHON@GMAIL.COM&token=656b872f26e4&custid=33335002&user\_id=A2

**Description of Request Parameters:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Description** | **Required** | **Data type** | **Min Length** | **Max Length** |
| Client\_id | Participant Email ID given at time of registration. | Yes | string | 10 | 50 |
| Token | Unique token to authenticate participant’s every request. | Yes | string | 12 | 12 |
| custid | Customer ID is the unique ID given to the corporate ( Multiple accounts can be linked to the Customer ID) | Yes | Number | 8 | 8 |
| userid | User ID is mapped to the Corporate ID as there can be multiple users in a single Corporate ID | Yes | Alphabet | 4 | 20 |

If the authorization was denied, Currency pair request will send an error:

[{

"code":401,

"description":"Access Denied",

"message":"User Not Authorized"

}]

This API will respond to the request with the currency pairs with buy/sell rates.

**Sample Response:**

[{"code":200},

{"rate\_for\_buy":"97.21",

"deal\_type":"Value Cash",

"curr\_pair":"AUD\/INR",

"rate\_for\_sell":"96.99"}]

**Response parameter Details:**

|  |  |  |
| --- | --- | --- |
| ***Http Status Code*** | ***Description*** | ***Schema*** |
| **200** | Transaction success | [{  code:  int  *Error Code*  },  {  rate\_for\_buy:  String  *Rate for Buy*  deal\_type:  string  *Type of deal*  rate\_for\_sale:  string  *Rate for sell*  Curr\_Pair:  string  *Currency Pair*  } |
| **4xx/5xx** | Transaction failure | {  code:  integer (int32)  *Error code*  message:  string  *Error message*  description:  string  *Error description*  } |

* 1. Book Deal

The service books a transaction for a currency pair for a given amount

**Request URL:**

Request URL to be formed as per below template. Access token is given when participant authenticate for the first time.

https://treasury.mybluemix.net/banking/icicibank\_treasury/bookDeal)?client\_id=<participant id>&token=<access token>&custid=<customer id>&foreign\_currency\_pair=<foreign currency type>&amt\_foreign\_currency1=<foreign currency amount>&deal\_side=<side of deal>&deal\_type=<type of deal>&comments=<comments>

**Sample Request:**

https://treasury.mybluemix.net/banking/icicibank\_treasury/bookDeal?client\_id=ICICI.APPATHON@GMAIL.COM&token=656b872f26e4&cust\_id=33335001&foreign\_currency\_pair=usd/inr&amt\_foreign\_currency1=10&deal\_side=seLL&deal\_type=value CASH&comments=my\_comments

**Description of Request Parameters:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Description** | **Required** | **Data type** | **Min Length** | **Max Length** |
| Client\_id | Participant Email ID given at time of registration. | Yes | string | 10 | 50 |
| Token | Unique token to authenticate participant’s every request. | Yes | string | 12 | 12 |
| custid | Customer ID is the unique ID given to the corporate ( Multiple accounts can be linked to the Customer ID) | Yes | Number | 8 | 8 |
| foreign\_currency\_pair | Foreign Currency pair | Yes | String | 1 | 20 |
| Amt\_foreign\_currency1 | amount | Yes | String | 1 | 20 |
| deal\_side | Deal Side | Yes | String | 3 | 20 |
| deal\_type | Deal Type | Yes | String | 5 | 20 |
| comments | Comments | Yes | String | 1 | 50 |

If the authorization was denied, Book deal will send an error:

[{

"code":401,

"description": "Access Denied",

"message": "User Not Authorized"

}]

This API will respond to the request with the status of the book deal request.

**Sample Response:**

[{"code":200},

{"amount\_foreign\_currency\_2":"0.166030217499584940",

"dealno":"55"}]

**Response parameter Details:**

|  |  |  |
| --- | --- | --- |
| ***Http Status Code*** | ***Description*** | ***Schema*** |
| **200** | Transaction success | [{  code:  int  *Error Code*  },  {  amount\_foreign\_currency\_2:  String  *Foreign currency Amount 2*  dealno:  string  *Deal number*  } |
| **4xx/5xx** | Transaction failure | {  code:  integer (int32)  *Error code*  message:  string  *Error message*  description:  string  *Error description*  } |

* 1. Deal MIS

The service returns detail of transaction based on Customer ID

**Request URL:**

Request URL to be formed as per below template. Access token is given when participant authenticate for the first time.

https://treasury.mybluemix.net/banking/icicibank\_treasury/dealMis?client\_id=<participant id>&token=<access token>&custid=<customer id&dealno=<deal number>&fromDate=<Start Date>&toDate=<End date>

**Sample Request:**

https://treasury.mybluemix.net/banking/icicibank\_treasury/dealMis?client\_id=ICICI.APPATHON@GMAIL.COM&token=656b872f26e4&custid=33335001&dealno=1&fromDate=2017-03-15&toDate=2017-03-18

**Description of Request Parameters:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Description** | **Required** | **Data type** | **Min Length** | **Max Length** |
| Client\_id | Participant Email ID given at time of registration. | Yes | string | 10 | 50 |
| Token | Unique token to authenticate participant’s every request. | Yes | string | 12 | 12 |
| custid | Customer ID is the unique ID given to the corporate ( Multiple accounts can be linked to the Customer ID) | Yes | Number | 8 | 8 |
| dealno | Deal Number | Yes | String | 1 | 20 |
| fromDate | amount | Yes | Date |  |  |
| toDate | Deal Side | Yes | Date |  |  |

If the authorization was denied, Deal MIS will send an error:

[{

"code":401,

"description":"Access Denied",

"message":"User Not Authorized"

}]

This API will respond to the request with the MIS of deals.

**Sample Response:**

[{"code":200},

{"deal\_side":"SELL",

"deal\_date":"2017-03-17",

"comments":"my\_comments",

"foreign\_currency\_pair":"USD\/INR",

"deal\_no":"1",

"deal\_type":"VALUE CASH",

"amt\_foreign\_currency2":"1.04427736006683380",

"amt\_foreign\_currency1":"50.00"

}]

**Response parameter Details:**

|  |  |  |
| --- | --- | --- |
| ***Http Status Code*** | ***Description*** | ***Schema*** |
| **200** | Transaction success | [{  code:  int  *Error Code*  },  {  deal\_side:  String  *Side of deal*  deal\_type:  String  *Type of deal*  deal\_date:  String  *Date of deal*  foreign\_currency\_pair:  String  *Foreign currency pair*  dealno:  string  *Deal number*  amount\_foreign\_currency2:  String  *Foreign currency Amount 2*  amount\_foreign\_currency1:  String  *Foreign currency Amount 2*  comments:  String  *Comments*  } |
| **4xx/5xx** | Transaction failure | {  code:  integer (int32)  *Error code*  message:  string  *Error message*  description:  string  *Error description*  } |

1. Corporate Banking APIs
   1. Account Summary

The API provides details of accounts for respective corporate IDs and associated user IDs - balance and account detail of the user’s account.

**Request URL:**

Request URL to be formed as per below template. Access token is given when participant authenticate for the first time.

https://corporateapiprojectwar.mybluemix.net/corporate\_banking/mybank/corp\_account\_summary?client\_id=<participant\_id>&token=<access token>&corpid=<corporate identification>&userid=<User identification>

**Sample Request:**

https://corporateapiprojectwar.mybluemix.net/corporate\_banking/mybank/corp\_account\_summary?client\_id=ICICI.APPATHON@GMAIL.COM&token=656b872f26e4&corpid=15151575&userid=THOMAS

**Description of Request parameters:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Description** | **Required** | **Data type** | **Min Length** | **Max Length** |
| Client\_id | Participant Email ID given at time of registration. | Yes | string | 10 | 50 |
| Token | Unique token to authenticate participant’s every request. | Yes | string | 12 | 12 |
| corpid | Corporate ID is the unique ID given to the corporate ( Multiple Accounts can be linked to the corporate ID) | Yes | string | 8 | 8 |
| userid | User ID is mapped to the Corporate ID as there can be multiple users in a single Corporate ID | Yes | string | 4 | 20 |

If the authorization was denied, , the service will respond with an error:

{

“code”: 401,

“message”: “User not authorized”

"description: "Access Denied"

}

***Sample Response:***

[{"code":200}, {"balance":"6666666","currency":"INR","account\_status":"Inactive","account\_no":"131313131310"}, {"balance":"6565656","currency":"USD","account\_status":"Freeze","account\_no":"131313131311"}, {"balance":"7555111.0","currency":"GBP","account\_status":"Active","account\_no":"131313131314"}]

***Response parameters details:***

|  |  |  |
| --- | --- | --- |
| ***Http Status Code*** | ***Description*** | ***Schema*** |
| **200** | Transaction success | [{  code:  int  *Error Code*  },  {{  balance:  double  *Balance of Account*  currency:  string  *Currency*  account\_no :  number  *Account Number*  account\_status :  String  *Account status*  }] |
| **4xx/5xx** | Transaction failure | {  code:  integer (int32)  *Error code*  message:  string  *Error message*  } |

* 1. List of Transactions Waiting for Approval

This API can be used to retrieve the list of transactions waiting for approval along with details such as the currency, transaction type, customer ID, amount and account number.

**Request URL:**

Request URL to be formed as per below template. Access token is given when participant authenticate for the first time.

https://corporateapiprojectwar.mybluemix.net/corporate\_banking/mybank/approval\_trans\_list?client\_id=<participant\_id>&token=<access token>&corpid=<corporate identification>&userid=<User identification>

**Sample Request:**

https://corporateapiprojectwar.mybluemix.net/corporate\_banking/mybank/approval\_trans\_list?client\_id=ICICI.APPATHON@GMAIL.COM&token=656b872f26e4&corpid=15151575&userid=IVAN

**Description of Request parameters:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Description** | **Required** | **Data type** | **Min Length** | **Max Length** |
| Client\_id | Participant Email ID given at time of registration. | Yes | string | 10 | 50 |
| Token | Unique token to authenticate participant’s every request. | Yes | string | 12 | 12 |
| corpid | Corporate ID is the unique ID given to the corporate ( Multiple Accounts can be linked to the corporate ID) | Yes | string | 8 | 8 |
| userid | User ID is mapped to the Corporate ID as there can be multiple users in a single Corporate ID | Yes | string | 4 | 20 |

If the authorization was denied, , the service will respond with an error:

{

“code”: 401,

“message”: “User not authorized”

"description: "Access Denied"

}

**Sample Response:**

[{"code":200},

{"transaction\_status":"Rejected","amount":"3455.00","last\_updated\_by":"THOMAS","tran\_id":"ORSG00000232","currency":"USD","account\_no":"131313131311","trans\_type":"EPC","approving\_authority":"IVAN"},

{"transaction\_status":"Approved","amount":"10000.00","last\_updated\_by":"THOMAS","tran\_id":"ORSG00000233","currency":"GBP","account\_no":"131313131314","trans\_type":"Remit","approving\_authority":"IVAN"},

{"transaction\_status":"Approved","amount":"40000.00","last\_updated\_by":"FELIX","tran\_id":"ORSG00000234","currency":"CAD","account\_no":"131313131312","trans\_type":"Bills","approving\_authority":"IVAN"},

{"count of transactions":"3"}]

**Response parameters details:**

|  |  |  |
| --- | --- | --- |
| ***Http Status Code*** | ***Description*** | ***Schema*** |
| **200** | Transaction success | [{  code:  int  *Error Code*  },  {  tran\_id:  number  *Transactions ID*  account\_no:  String  *Account Number*  amount:  double  *Balance of Account*  transaction\_status:  String  *Transaction Status*  0 : Pending  1 : Approved at Level 1  2: Approved at Level 2/Approved  3: Rejected at Level 1  4 :Rejected  approving\_authority:  String  *Approving authority*  last\_updated\_by:  String  *Last \_Updated\_by*  Currency:  String  *Currency*  }] |
| **4xx/5xx** | Transaction failure | {  code:  integer (int32)  *Error code*  message:  string  *Error message*  } |

* 1. RM Details

This API responds with the relationship manager’s mobile number, the relationship manager’s ID and name.

**Request URL:**

Request URL to be formed as per below template. Access token is given when participant authenticate for the first time.

https://corporateapiprojectwar.mybluemix.net/corporate\_banking/mybank/show\_rm\_mapping?client\_id=<participant\_id>&token=<access token>&corpid=<corporate identification>&userid=<User identification>

**Sample Request:**

https://corporateapiprojectwar.mybluemix.net/corporate\_banking/mybank/show\_rm\_mapping?client\_id=ICICI.APPATHON@GMAIL.COM&token=656b872f26e4&corpid=15151575&userid=THOMAS

**Description of Request parameters:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Description** | **Required** | **Data type** | **Min Length** | **Max Length** |
| Client\_id | Participant Email ID given at time of registration. | Yes | string | 10 | 50 |
| Token | Unique token to authenticate participant’s every request. | Yes | string | 12 | 12 |
| corpid | Corporate ID is the unique ID given to the corporate ( Multiple Accounts can be linked to the corporate ID) | Yes | string | 8 | 8 |
| userid | User ID is mapped to the Corporate ID as there can be multiple users in a single Corporate ID | No | string | 4 | 20 |

If the authorization was denied, , the service will respond with an error:

{

“code”: 401,

“message”: “User not authorized”

"description: "Access Denied"

}

**Sample Response:**

[{"code":200}, {"rm\_mobile":"7920202020","rm\_email":"rani.laxmi@bank.com","rm\_id":"1","rm\_name":"RANI LAXMI"}]

**Response parameters details:**

|  |  |  |
| --- | --- | --- |
| ***Http Status Code*** | ***Description*** | ***Schema*** |
| **200** | Transaction success | [{  code:  int  *Error Code*  },  {  rm\_mobile:  number  *Relationship Manager mobile*  rm\_email:  String  *Relationship Manager Emailid*  rm\_id:  String  *Relationship Manager ID*  rm\_name:  String  *Relationship Manager Name*  } |
| **4xx/5xx** | Transaction failure | {  code:  integer (int32)  *Error code*  message:  string  *Error message*  } |

* 1. Query to RM

The RM Query service is used to submit query to RM and it returns back success or failure response.

**Request URL:**

Request URL to be formed as per below template. Access token is given when participant authenticate for the first time.

https://corporateapiprojectwar.mybluemix.net/corporate\_banking/mybank/corp\_rm\_query?client\_id=<participant\_id>&token=<access token>&corpid=<corporate identification> &userid=<User identification>&rmid=<relationship manager id>&query=<query>

**Sample Request:**

https://corporateapiprojectwar.mybluemix.net/corporate\_banking/mybank/corp\_rm\_query?client\_id=ICICI.APPATHON@GMAIL.COM&token=656b872f26e4&corpid=15151575&userid=IVAN&rmid=1&query=PROBS

**Description of Request parameters:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Description** | **Required** | **Data type** | **Min Length** | **Max Length** |
| Client\_id | Participant Email ID given at time of registration. | Yes | string | 10 | 50 |
| Token | Unique token to authenticate participant’s every request. | Yes | string | 12 | 12 |
| corpid | Corporate ID is the unique ID given to the corporate ( Multiple Accounts can be linked to the corporate ID) | Yes | string | 8 | 8 |
| userid | User ID is mapped to the Corporate ID as there can be multiple users in a single Corporate ID | Yes | string | 4 | 20 |
| rmid | Relationship Manager's id | No | alphanumeric | 3 | 15 |
| query | Query/Issue faced by the User | Yes | string | 3 | 50 |

If the authorization was denied, the service will respond with an error:

{

“code”: 401,

“message”: “User not authorized”

"description: "Access Denied"

}

**Sample Response:**

[{"code":200}, {"result": "Thank you for writing to us. Your Relationship Manager will be calling you shortly"}]

**Response parameters details:**

|  |  |  |
| --- | --- | --- |
| ***Http Status Code*** | ***Description*** | ***Schema*** |
| **200** | Transaction success | [{  code:  int  *Error Code*  },  {  Result:  String  *Result of RM query*  } |
| **4xx/5xx** | Transaction failure | {  code:  integer (int32)  *Error code*  message:  string  *Error message*  } |

* 1. Limit Utilization Summary

The Limit Utilization service can be used to retrieve the limit utilization status of the customer

**Request URL:**

Request URL to be formed as per below template. Access token is given when participant authenticate for the first time.

https://corporateapiprojectwar.mybluemix.net/corporate\_banking/mybank/limit\_utilization\_summary?client\_id=<participant\_id>&token=<access token>&rmmobile=<relationship manager mobile number>&custid=<customer identification number>&date=<date>

**Sample Request:**

https://corporateapiprojectwar.mybluemix.net/corporate\_banking/mybank/limit\_utilization\_summary?client\_id=ICICI.APPATHON@GMAIL.COM&token=656b872f26e4&rmmobile=7920202020&custid=8080800101&date=2017-03-01

**Description of Request parameters:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Description** | **Required** | **Data type** | **Min Length** | **Max Length** |
| Client\_id | Participant Email ID given at time of registration. | Yes | string | 10 | 50 |
| Token | Unique token to authenticate participant’s every request. | Yes | string | 12 | 12 |
| rmmobile | mobile no of Relationship Manager | Yes | number | 10 | 10 |
| custid | customer Id | Yes | number | 10 | 10 |
| date | Query raised date | Yes | Date(YYYY-MM-DD) |  |  |

If the authorization was denied, Limit Utilization the service will respond with an error:

{

“code”: 401,

“message”: “User not authorized”

"description: "Access Denied"

}

**Sample Response:**

[{"code":200},

{"Year":"Current Financial Year Till Date 2017-03-01"}, {"type\_of\_limit":"ILC","value\_of\_limit\_sanctioned":"998","value\_of\_limit\_utilized":"765"},

{"code":200},

{"Year":"Previous Financial Year Till Dat 31March2016"}, {"type\_of\_limit":"ILC","value\_of\_limit\_sanctioned":"600","value\_of\_limit\_utilized":"300"}]

**Response parameters details:**

|  |  |  |
| --- | --- | --- |
| ***Http Status Code*** | ***Description*** | ***Schema*** |
| **200** | Transaction success | [{  code:  int  *Error Code*  },  {  Current Financial Year & Previous Financial Year  value\_of\_imit\_sanctioned:  String  *limit sanctioned*  type\_of\_limit:  String  *type of limit*  value\_of\_limit\_utilized:  String  *limit of utilized*  } |
| **4xx/5xx** | Transaction failure | {  code:  integer (int32)  *Error code*  message:  string  *Error message*  } |

* 1. TOL Profile (Trade Online)

The TOL Profile service will respond with the Transaction profile of the specified TOL customer.

**Request URL:**

Request URL to be formed as per below template. Access token is given when participant authenticate for the first time.

https://corporateapiprojectwar.mybluemix.net/corporate\_banking/mybank/tol\_profile?client\_id=<participant\_id>&token=<access token>&rmmobile=<relationship manager mobile number>&custid=<customer identification number>

**Sample Request:**

https://corporateapiprojectwar.mybluemix.net/corporate\_banking/mybank/tol\_profile?client\_id=ICICI.APPATHON@GMAIL.COM&token=656b872f26e4&rmmobile=7920202020&custid=8080800101

**Description of Request parameters:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Description** | **Required** | **Data type** | **Min Length** | **Max Length** |
| Client\_id | Participant Email ID given at time of registration. | Yes | string | 10 | 50 |
| Token | Unique token to authenticate participant’s every request. | Yes | string | 12 | 12 |
| rmmobile | mobile no of Relationship Manager | Yes | number | 10 | 10 |
| custid | customer Id | Yes | number | 10 | 10 |

If the authorization was denied, TOL Profile the service will respond with an error:

{

“code”: 401,

“message”: “User not authorized”

"description: "Access Denied"

}

**Sample Response:**

[{"code":200}, {"total\_nontol\_transactions":"22","ucc":"767651","total\_tol\_transactions":"56","total\_trade\_transactions":"100","total\_eligible\_transactions":"78","cust\_id":"8080800101"}]

**Response parameters details:**

|  |  |  |
| --- | --- | --- |
| ***Http Status Code*** | ***Description*** | ***Schema*** |
| **200** | Transaction success | [{  code:  int  *Error Code*  },  {  Ucc:  number  *UCC*  total\_tol\_transactions:  number  *Total tol transactions*  total\_nontol\_transactions:  number  *Total nontol transactions*  total\_trade\_transactions:  number  *Total trade transactions*  total\_eligible\_transactions:  number  *Total eligible transactions*  cust\_id:  number  *cust id of customer*  }  ] |
| **4xx/5xx** | Transaction failure | {  code:  integer (int32)  *Error code*  message:  string  *Error message*  } |

* 1. Import Summary

This service will respond with the summary of imports of a given corporate ID

**A) Customer Level (using Cust\_ID)**

**Request URL:**

Request URL to be formed as per below template. Access token is given when participant authenticate for the first time.

https://corporateapiprojectwar.mybluemix.net/corporate\_banking/mybank/corp\_import\_summary\_customerlevel?client\_id=<participant\_id>&token=<access token>&rmmobile=<relationship manager mobile number>&custid=<customer identification number>&startdate\_FY=<start date>

**Sample Request at a customer level:**

https://corporateapiprojectwar.mybluemix.net/corporate\_banking/mybank/corp\_import\_summary\_customerlevel?client\_id=ICICI.APPATHON@GMAIL.COM&token=656b872f26e4&rmmobile=7920202020&custid=8080800101&startdate\_FY=2017-03-01

**B) UCC Level (using UCC No.)**

**Request URL:**

Request URL to be formed as per below template. Access token is given when participant authenticate for the first time.

https://corporateapiprojectwar.mybluemix.net/corporate\_banking/mybank/corp\_import\_summary\_ucclevel?client\_id=<participant\_id>&token=<accesstoken>&rmmobile=<relationship manager mobile number>&ucc=<ucc no>&startdate\_FY=<start date>

**Sample Request:**

https://corporateapiprojectwar.mybluemix.net/corporate\_banking/mybank/corp\_import\_summary\_ucclevel?client\_id=ICICI.APPATHON@GMAIL.COM&token=656b872f26e4&rmmobile=7920202020&ucc=767651&startdate\_FY=2017-03-01

**Description of Request parameters:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Description** | **Required** | **Data type** | **Min Length** | **Max Length** |
| Client\_id | Participant Email ID given at time of registration. | Yes | string | 10 | 50 |
| Token | Unique token to authenticate participant’s every request. | Yes | string | 12 | 12 |
| rmmobile | Mobile number of Relationship Manager | Yes | number | 10 | 10 |
| custid | Customer Id | Yes | number | 10 | 10 |
| start date | Transaction date | Yes | date (YYYY-MM-DD) |  |  |
| ucc | UCC | Yes | number | 6 | 6 |

If the authorization was denied, , the service will respond with an error:

{

“code”: 401,

“message”: “User not authorized”

"description: "Access Denied"

}

**Sample Response at customer level:**

[

{"code":200},

{"Year":"Current Financial Year Till Date 2017-03-01"}, {"Transaction\_Agg\_Value(in equivalent $)":"6000000","Transaction\_Type":"SMI","Transaction\_Count":"300","cust\_id":"8080800101"}, {"Transaction\_Agg\_Value(inequivalent$)":"500000000","Transaction\_Type":"MDC","Transaction\_Count":"500","cust\_id":"8080800101"},

{"code":200},

{"Year":"Previous Financial Year Till Date 2016-3-01"}, {"Transaction\_Agg\_Value(in equivalent $)":"4900000","Transaction\_Type":"SMI","Transaction\_Count":"250","cust\_id":"8080800101"}, {"Transaction\_Agg\_Value(inequivalent$)":"34444422","Transaction\_Type":"MDC","Transaction\_Count":"300","cust\_id":"8080800101"},

{"Summary":"Transactions Not supported By Bill\_Of\_Entry"}, {"Transaction\_Count":"200"}]

**Sample Response at ucc level:**

[{"code":200},

{"Year":"Current Financial Year Till Date2017-03-01"}, {"Transaction\_Agg\_Value(inequivalent$)":"869540","ucc":"767651","Transaction\_Type":"MUB","Transaction\_Count":"200","cust\_id":"8080800101"}, {"Transaction\_Agg\_Value(inequivalent$)":"234324324","ucc":"767651","Transaction\_Type":"SMI","Transaction\_Count":"22","cust\_id":"3030300101”}

{"code":200},

{"Year":"Previous Financial Year Till Date 2016-3-01"}, {"Transaction\_Agg\_Value(inequivalent$)":"737383822","ucc":"767651","Transaction\_Type":"MUB","Transaction\_Count":"100","cust\_id":"8080800101"},{"Transaction\_Agg\_Value(inequivalent$)":"1232323232","ucc":"767651","Transaction\_Type":"SMI","Transaction\_Count":"23","cust\_id":"3030300101”}

{"Summary":"Transactions Not supported By Bill\_Of\_Entry"}, {"Transaction\_Count":"200"}]

**Response parameters details:**

|  |  |  |
| --- | --- | --- |
| ***HttpStatus Code*** | ***Description*** | ***Schema*** |
| **200** | Transaction success | [{ code:  int  *Error Code* },  { Custid:  Custid  *Number*  Ucc:  number  *UCC*  Summary Of Transactions  Current Financial Year Till Date  Transaction\_Agg\_Value(in equivalent $)  Number  *Transaction\_Agg\_Value*  Transaction\_Type  String  *Transaction\_Type*  Transaction\_Count  Number  *Transaction\_Count*  Previous Financial Year Till Date  Transaction\_Agg\_Value(in equivalent $)  Number  *Transaction\_Agg\_Value*  Transaction\_Type  String  *Transaction\_Type*  Transaction\_Count  Number  *Transaction*\_*Count*  Transactions Not Supported By  Bill\_Of\_Entry  Transaction\_Count  Number  *Transaction\_Count}*  *]* |
| **4xx/5xx** | Transaction failure | {  code:  integer (int32)  *Error code*  message:  string  *Error message*  } |

* 1. Export Summary

This service will respond with the summary of exports of a given corporate ID

**Customer Level (using Cust\_ID)**

**Request URL**:

Request URL to be formed as per below template. Access token is given when participant authenticate for the first time.

https://corporateapiprojectwar.mybluemix.net/corporate\_banking/mybank/corp\_export\_summary\_custid?client\_id=<participant\_id>&token=<access token>&rmmobile=<relationship manager mobile number>&custid=<customer identification number>&startdate\_FY=<start date>

**Sample Request:**

https://corporateapiprojectwar.mybluemix.net/corporate\_banking/mybank/corp\_export\_summary\_custid?client\_id=ICICI.APPATHON@GMAIL.COM&token=656b872f26e4&rmmobile=7920202020&custid=8080800101&startdate\_FY=2017-03-01

**UCC Level (using UCC No.)**

**Request URL:**

Request URL to be formed as per below template. Access token is given when participant authenticate for the first time.

https://corporateapiprojectwar.mybluemix.net/corporate\_banking/mybank/corp\_export\_summary\_ucc?client\_id=<participant\_id>&token=<access token>&rmmobile=<relationship manager mobile number>&ucc=<ucc no>&startdate\_FY=<start date>

**Sample Request:**

https://corporateapiprojectwar.mybluemix.net/corporate\_banking/mybank/corp\_export\_summary\_ucc?client\_id=ICICI.APPATHON@GMAIL.COM&token=656b872f26e4&rmmobile=7920202020&ucc=767651&startdate\_FY=2017-03-01

**Description of Request parameters:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Description** | **Required** | **Data type** | **Min Length** | **Max Length** |
| Client\_id | Participant Email ID given at time of registration. | Yes | string | 10 | 50 |
| Token | Unique token to authenticate participant’s every request. | Yes | string | 12 | 12 |
| rmmobile | mobile no of Relationship Manager | Yes | number | 10 | 10 |
| custid | Customer Id | Yes | number | 10 | 10 |
| start date | Transaction date | Yes | date |  |  |
| ucc | UCC | Yes | number | 6 | 6 |

If the authorization was denied, the service will respond with an error:

{

“code”: 401,

“message”: “User not authorized”

"description: "Access Denied"

}

**Sample Response at customer level:**

[

{"code":200},

{"Year":"Current Financial Year Till Date 2017-03-01"}, {"Transaction\_Agg\_Value(in equivalent $)":"686868483","Transaction\_Type":"SXR","Transaction\_Count":"300","cust\_id":"8080800101"},

{"code":200},

{"Year":"Previous Financial Year Till Date 2016-03-01"}, {"Transaction\_Agg\_Value(in equivalent $)":"748973762","Transaction\_Type":"SXR","Transaction\_Count":"250","cust\_id":"8080800101"},

{"Summary":"Transactions NOT supported By GR or EDF or SOFTEX"},

{"Transaction\_Count":"1100"},

{"Summary":"Status Of Bill"}, {"Realized":"300","Partly\_Realized":"600","Closed":"800","Lodged":"500"}, {"Realized":"234","Partly\_Realized":"334","Closed":"568","Lodged":"789"}]

**Sample Response at ucc level:**

[{"code":200},

{"Year":"Current Financial Year Till Date 2017-03-01"}, {"Transaction\_Agg\_Value(inequivalent$)":"686868483","ucc":"767651","Transaction\_Type":"SXR","Transaction\_Count":"300"},

{"Transaction\_Agg\_Value(inequivalent$)":"212121000000","ucc":"767651","Transaction\_Type":"XFC","Transaction\_Count":"500"},

{"code":200},

{"Year":"Previous Financial Year Till Date 2016-03-01"}, {"Transaction\_Agg\_Value(inequivalent$)":"748973762","ucc":"767651","Transaction\_Type":"SXR","Transaction\_Count":"250"}, {"Transaction\_Agg\_Value(inequivalent$)":"2323232323","ucc":"767651","Transaction\_Type":"XFC","Transaction\_Count":"300"},

{"Summary":"Transactions NOT supported By GR or ED For SOFTEX"}, {"Transaction\_Count":"1100"},{"Transaction\_Count":"456"},

{"Summary":"StatusOf Bill"}, {"Realized":"300","Partly\_Realized":"600","Closed":"800","Lodged":"500"}, {"Realized":"342","Partly\_Realized":"457","Closed":"245","Lodged":"200"},]

**Response parameters details:**

|  |  |  |
| --- | --- | --- |
| ***Http Status Code*** | ***Description*** | ***Schema*** |
| **200** | Transaction success | [{ code:  int  *Error Code*},  {  Summary Of Transactions  Current Financial Year Till Date  Transaction\_Agg\_Value(in equivalent $)  Number  *Transaction\_Agg\_Value*  Transaction\_Type  String  *Transaction\_Type*  Transaction\_Count  Number  *Transaction\_Count*  Previous Financial Year Till Date  Transaction\_Agg\_Value(in equivalent $)  Number  *Transaction\_Agg\_Value*  Transaction\_Type  String  *Transaction\_Type*  Transaction\_Count  Number  *Transaction\_Count*  Transactions Not Supported By  Gr or EDF or SOFTEX  Transaction\_Count  Number  *Transaction\_Count*  Status Of Bill  Realized   Number   Realized  Partly\_Realized  Number  Partly\_Realized  Closed   Number   Closed  Lodged   Number   Lodged}] |
| **4xx/5xx** | Transaction failure | {  code:  integer (int32)  *Error code*  message:  string  *Error message*  } |

* 1. Approve Transactions

This service can be used to approve a transaction

**Request URL:**

Request URL to be formed as per below template. Access token is given when participant authenticate for the first time.

https://corporateapiprojectwar.mybluemix.net/corporate\_banking/mybank/corp\_approve\_transaction?client\_id=<participant\_id>&token=<access token>&corpid=<corporate identification>&custid=<customer identification number>&userid=<User identification>&tranid=<transaction identification number>&action=<action>

**Sample Request**:

https://corporateapiprojectwar.mybluemix.net/corporate\_banking/mybank/corp\_approve\_transaction?client\_id=ICICI.APPATHON@GMAIL.COM&token=656b872f26e4&corpid=15151575&custid=8080800101&userid=IVAN&tranid=ORSG00000233&action=A

**Description of Request parameters:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Description** | **Required** | **Data type** | **Min Length** | **Max Length** |
| Client\_id | Participant Email ID given at time of registration. | Yes | string | 10 | 50 |
| Token | Unique token to authenticate participant’s every request. | Yes | string | 12 | 12 |
| corpid | Corporate ID is the unique ID given to the corporate ( Multiple Accounts can be linked to the corporate ID) | Yes | Number | 8 | 8 |
| custid | Customer ID is the unique ID given to the corporate ( Multiple accounts can be linked to the Customer ID) | Yes | Number | 10 | 10 |
| userid | User ID is mapped to the Corporate ID as there can be multiple users in a single Corporate ID | Yes | Alphabet | 4 | 20 |
| tranid | Transaction ID | Yes | string | 1 | 50 |
| action | action | Yes | Alphabet | 1 | 1 |

If the authorization was denied, the transaction approval service will respond with an error:

{

“code”: 401,

“message”: “User not authorized”

"description: "Access Denied"

}

**Sample Response:**

{"code":200,"approvalstatus":"SUCCESS"}

**Response parameters details:**

|  |  |  |
| --- | --- | --- |
| ***Http Status Code*** | ***Description*** | ***Schema*** |
| **200** | Transaction success | [{  code:  int  *Error Code*  },  {  ApprovalStatus:  String  *Approval Status*  } |
| **4xx/5xx** | Transaction failure | {  code:  integer (int32)  *Error code*  message:  string  *Error message*  } |

1. ICICI Securities APIs
   1. Get Mutual Fund Details

This API returns mutual fund details such as AUM, NAV etc. for a given scheme.

**Request URL:**

Request URL to be formed as per below template. Access token is given when participant authenticate for the first time.

[https://securities.mybluemix.net/banking/icici\_securities/get\_mf\_details?client\_id=<Client\_Id>&token=<Token>&mf\_scheme\_id=<Scheme\_Id>](https://securities.mybluemix.net/banking/icici_securities/get_mf_details?client_id=&token=&mf_scheme_id=MF0001)

**Sample Request:**

[https://securities.mybluemix.net/banking/icici\_securities/get\_mf\_details?client\_id=ICICI.APPATHON@GMAIL.COM&token=656b872f26e4&mf\_scheme\_id=MF0001](https://securities.mybluemix.net/banking/icici_securities/get_mf_details?client_id=&token=&mf_scheme_id=MF0001)

**Description of Request parameters:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Description** | **Required** | **Data type** | **Min Length** | **Max Length** |
| Client\_Id | Participant Email ID given at time of registration. | Yes | String | 10 | 50 |
| Token | Unique token to authenticate participant’s every request. | Yes | String | 12 | 12 |
| Scheme\_Id | Scheme ID give to user at the time of registration | Yes | String | 6 | 6 |

If the authorization was denied, the service will respond with an error:

{

“code”: 401,

“message”: “User not authorized”

"description: "Access Denied"

}

**Sample Response Parameter:**

[

{"code":200},

{"last\_nav\_date":"2017-03-11","i\_sec\_research\_view":"Hold","last\_nav":"15.43","fund\_type":"Open","cut\_off\_time":"12:00:00 AM","rating":"3","mf\_scheme\_id":"MF0001","AUM":"200","mf\_scheme\_name":"BlueChip Infrastructure Fund1","fund\_mgr\_name":"AMOL P","exit\_load":"1%"}

]

**Response parameters details:**

|  |  |  |
| --- | --- | --- |
| ***Http Status Code*** | ***Description*** | ***Schema*** |
| **200** | Transaction success | [{ code:  int  *Error Code* },  { Last\_nav\_date  Date  i\_sec\_research\_view  String  last\_nav  Number  fund\_type  String  cut\_off\_time  Time  rating  Number  mf\_scheme\_id  String  AUM  Number  mf\_scheme\_name  String  fund\_mgr\_name  String  exit\_load  Numeric} |
| **4xx/5xx** | Transaction failure | { code:  integer (int32)  *Error code*  message:  string  *Error message* } |

* 1. Place Order for a Mutual Fund

This service places an order for a mutual fund

**Request URL:**

Request URL to be formed as per below template. Access token is given when participant authenticate for the first time.

<https://securities.mybluemix.net/banking/icici_securities/placemforder?client_id>=<Client\_Id>&token=<Token>&cust\_id=<Cust\_Id>&MF\_scheme\_name=<Scheme\_Name>&transaction\_type=<Type\_Of\_Transaction>&folio=NEW&joint\_holder=<Joint\_Holder\_Name>&nominee\_flag=<Nominee\_Flag\_Status>&nominee\_name=<Name\_Of\_Nominee>&nominee\_relation=<Relation\_With\_Nominee>&nominee\_dob=<Date\_Of\_Birth\_Of\_Nominee>&investment\_amount=<Investment\_Amount>&payment\_source=<Payment\_Source>&is\_agent=<Agent\_Status>&euin=<euin>&declaration=<Declaration>&units=<units>

**Sample Request:**

https://securities.mybluemix.net/banking/icici\_securities/placemforder?client\_id=ICICI.APPATHON@GMAIL.COM&token=656b872f26e4&cust\_id=33335001&MF\_scheme\_name=MF0001&transaction\_type=Sell&folio=New&joint\_holder=Priya&nominee\_flag=Y&nominee\_name=Lata&nominee\_relation=Sister&nominee\_dob=1987-08-25&investment\_amount=1000&payment\_source=Linked Account&is\_agent=N&euin=&declaration=&units=100

**Description of Request parameters:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Description** | **Required** | **Data type** | **Min Length** | **Max Length** |
| Client\_Id | Participant Email ID given at time of registration. | Yes | String | 10 | 50 |
| Token | Unique token to authenticate participant’s every request. | Yes | String | 12 | 12 |
| Cust\_Id | Customer ID of the user | Yes | Number | 8 | 8 |
| MF\_scheme\_name | Give the name of the scheme | Yes | String | 5 | 80 |
| transaction\_type | Buy or Sell | Yes | String | 3 | 4 |
| folio | Customer can select New or invest in existing folio, if available | Yes | String | 3 | 20 |
| joint\_holder | Option to choose a joint holder in the investment. Joint holder has to be pre-registered. | Yes | String | 5 | 30 |
| nominee\_flag | Choice to add a nominee when buying a scheme | Yes | String | 5 | 30 |
| nominee\_name | Name of Nominee, if selected to add | Yes | String | 5 | 30 |
| nominee\_relation | Relationship details with investor, if selected to add | Yes | String | 5 | 30 |
| nominee\_dob | Date of birth of nominee | Yes | Date | 10 | 10 |
| investment\_amount | Amount to be invested | Yes | Number | 3 | 10 |
| payment\_source | Payment source used to make investment | Yes | String | 1 | 100 |
| is\_agent | If assisted by agent, Yes. Else No. | Yes | String | 2 | 3 |
| euin | Enter EUIN number | No | String | 6 | 20 |
| declaration | If no, select checkbox | No | String | 2 | 3 |
| units | If customer is selling, mandatory to mention units | Yes | String | 6 | 20 |

If the authorization was denied, the service will respond with an error:

{

“code”: 401,

“message”: “User not authorized”

"description: "Access Denied"

}

**Sample Response Parameter:**

**[**

{"code":200},

{"transaction\_id":1,"amount":"1000","premium\_amount":"1000","channel":"Web \/ SYS","fund\_name":"ICICI Prudential Mutual Fund", "message":"SUCCESS", "transaction\_type":"Sell","div-reinvestment":"N","last\_nav\_date":"2016-02-01","last\_nav":"1.23","unit":"100","tax\_saving":"Tax Receipt","date\_of\_transaction":"2017-03-24","mf\_scheme\_name":"MF0001","status":"Executed"}

]

**Response parameters details:**

|  |  |  |
| --- | --- | --- |
| ***Http Status Code*** | ***Description*** | ***Schema*** |
| **200** | Transaction success | [{ code:  int  *Error Code* },  { transaction\_id  Number  amount  Number  premium\_amount  Number  channel  String  fund\_name  String  message  String  transaction\_type  String  div-reinvestment  String  last\_nav\_date  Date  last\_nav  Number  unit  Numeric  tax\_saving  String  date\_of\_transaction  Date  mf\_scheme\_name  String  status  String  } |
| **4xx/5xx** | Transaction failure | {  code:  integer (int32)  *Error code*  message:  string  *Error message*  } |

* 1. Portfolio View

The service can be used to view the mutual fund portfolio for a given customer

**Request URL:**

Request URL to be formed as per below template. Access token is given when participant authenticate for the first time.

[https://securities.mybluemix.net/banking/icici\_securities/viewportfolio?client\_id=<Client\_Id>&token=<Token>&custid=<Cust\_Id>](https://securities.mybluemix.net/banking/icici_securities/viewportfolio?client_id=ICICI.APPATHON@GMAIL.COM&token=656b872f26e4&custid=33335001)

**Sample Request:**

<https://securities.mybluemix.net/banking/icici_securities/viewportfolio?client_id=ICICI.APPATHON@GMAIL.COM&token=656b872f26e4&custid=33335001>

**Description of Request parameters:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Description** | **Required** | **Data type** | **Min Length** | **Max Length** |
| Client\_Id | Participant Email ID given at time of registration. | Yes | String | 10 | 50 |
| Token | Unique token to authenticate participant’s every request. | Yes | String | 12 | 12 |
| Cust\_Id | Customer ID of the user | Yes | Number | 8 | 8 |

If the authorization was denied, the service will respond with an error:

{

“code”: 401,

“message”: “User not authorized”

"description: "Access Denied"

}

**Sample Response:**

[

{"code":200},

{"Avg\_Unit":"40000.0","scheme\_name":"BlueChip Infrastructure Fund1", "research\_view":"Buy", "value\_to\_nav":"2017-03-22", "realised(profit\/loss)\_percentage":"10%", "sub\_category":"Mid Cap", "scheme\_id":"", "value\_cost":"1000","realised(profit\/loss)":"Profit","category":"Equity","average\_cost":"12.69","date\_of\_purchase":"2017-03-22"}

]

**Response parameters details:**

|  |  |  |
| --- | --- | --- |
| ***Http Status Code*** | ***Description*** | ***Schema*** |
| **00** | Transaction success | [{code:  int  *Error Code* },  { Avg\_Unit  Number  scheme\_name  String  research\_view  String  value\_to\_nav  Date  realised(profit\/loss)\_percentage  Number  sub\_category  String  scheme\_id  String  value\_cost  Number  realised(profit\/loss)  String  category  String  average\_cost  Number  date\_of\_purchase  Date } |

* 1. Net Worth with Asset Allocation

The API is used to check the net worth along with asset allocation.

**Request URL:**

Request URL to be formed as per below template. Access token is given when participant authenticate for the first time.

https://securities.mybluemix.net/banking/icici\_securities/NetworthWithAssetAllocation?client\_id=<Client\_id>&token=<Token>&accountno=<AccountNo>

**Sample Request:**

https://securities.mybluemix.net/banking/icici\_securities/NetworthWithAssetAllocation?client\_id=ICICI.APPATHON@GMAIL.COM&token=656b872f26e4&accountno=4444777755550001

**Description of Request parameters:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Description** | **Required** | **Data type** | **Min Length** | **Max Length** |
| Client\_Id | Participant Email ID given at time of registration. | Yes | String | 10 | 50 |
| Token | Unique token to authenticate participant’s every request. | Yes | String | 12 | 12 |
| AccountNo | Account Number of the user | Yes | Number | 16 | 16 |

If the authorization was denied, the service will respond with an error:

{

“code”: 401,

“message”: “User not authorized”

"description: "Access Denied"

}

**Sample Response:**

[{"code":200,

"Allocation in Cash or Liquid and Gold":"58661654.85", "Allocation in Equity":"286936081.69","Allocation Equity in %":"76.55", "accountno":"4444777755550001", "Allocation Total":"374834855.25","Allocation in Debt":"29237118.71","Allocation Total in %":"100","Allocation Debt in %":"7.8","Allocation Cash or Liquid and Gold in in %":"15.65"}, {"code":200,"Allocation in Cash or Liquid and Gold":"58661654.85","Allocation in Equity":"286936081.69","Allocation Equity in %":"76.55","accountno":"4444777755550001","Allocation Total":"374834855.25","Allocation in Debt":"29237118.71","Allocation Total in %":"100","Allocation Debt in %":"7.8","Allocation Cash or Liquid and Gold in in %":"15.65"}]

**Response parameters details:**

|  |  |  |
| --- | --- | --- |
| ***Http Status Code*** | ***Description*** | ***Schema*** |
| **00** | Transaction success | [{ code:  int  *Error Code* },  { Allocation in Cash or Liquid and Gold  Number  Allocation in Equity  Number  Allocation Equity in %  Number  accountno  Number  Allocation Total  Number  Allocation in Debt  Number  Allocation Total in %  Number  Allocation Debt in %  Number  Allocation Cash or Liquid and Gold in in %  Number } |
| **4xx/5xx** | Transaction failure | {  code:  integer (int32)  *Error code*  message:  string  *Error message*  } |

* 1. Get Stock Details

This API will provide the details of the stock available with their respective prices.

**Request URL:**

Request URL to be formed as per below template. Access token is given when participant authenticate for the first time.

https://stockexchnage.mybluemix.net/stockexc/icicibank/stockvalue?client\_id=<Client\_Id>&token=<Token>

**Sample Request:**

https://stockexchnage.mybluemix.net/stockexc/icicibank/stockvalue?client\_id=ICICI.APPATHON@GMAIL.COM&token=656b872f26e4

**Description of Request parameters:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Description** | **Required** | **Data type** | **Min Length** | **Max Length** |
| Client\_id | Participant Email ID given at time of registration. | Yes | string | 10 | 50 |
| Token | Unique token to authenticate participant’s every request. | Yes | string | 12 | 12 |

If the authorization was denied, the service will respond with an error:

{

“code”: 401,

“message”: “User not authorized”

"description: "Access Denied"

}

**Sample Response:**

[

{"code":200},

{"Exchange":"NSE","Price":"164.69","Stock":"NTPC"},

{"Exchange":"BSE","Price":"474.2","Stock":"TATMOT"},

{"Exchange":"NSE","Price":"1019.2","Stock":"INFTEC"},

{"Exchange":"BSE","Price":"514.3","Stock":"HINPET"},

{"Exchange":"NSE","Price":"274.95","Stock":"ICIBAN"},

{"Exchange":"BSE","Price":"87.5","Stock":"TATPOW"},

{"Exchange":"NSE","Price":"170.35","Stock":"BHEL"}

]

**Response parameters details:**

|  |  |  |
| --- | --- | --- |
| ***Http Status Code*** | ***Description*** | ***Schema*** |
| **200** | Transaction success | [{  code:  int  *Error Code*  },  {  Exchange  String  Price  String  Stock  String  } |
| **4xx/5xx** | Transaction failure | {  code:  integer (int32)  *Error code*  message:  string  *Error message*  } |

* 1. Place Order (Trading)

This API is used to place buy or sell order specifying your price.

**Request URL:**

Request URL to be formed as per below template. Access token is given when participant authenticate for the first time.

https://stockexchange.mybluemix.net/stockexc/icicibank/tradestock?client\_id=<Client\_Id>&token=<Token>&custid=<Cust\_Id>&stockcode=<Stock\_code>&exchange=<Exchange>&ordertype=<Order\_Type>&quantity=<Quantity>&orderprice=<Order\_price>

**Sample Request:**

https://stockexchange.mybluemix.net/stockexc/icicibank/tradestock?client\_id=ICICI.APPATHON@GMAIL.COM&token=656b872f26e4&custid=33335001&stockcode=NTPC&exchange=NSE&ordertype=buy&quantity=100&orderprice=162.8

**Description of Request parameters:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Description** | **Required** | **Data type** | **Min Length** | **Max Length** |
| Client\_id | Participant Email ID given at time of registration. | Yes | string | 10 | 50 |
| Token | Unique token to authenticate participant’s every request. | Yes | string | 12 | 12 |
| Custid | Cust Id Of the user | Yes | Number | 8 | 8 |
| Stock Code | Code of the stock | Yes | String | - | - |
| Exchange | NSE/BSE | Yes | String | 3 | 3 |
| Order Type | Buy/Sell | Yes | String | 3 | 4 |
| Quantity | Quantity of stock user want to buy | Yes | Number | 1 | 4 |
| Order Price | Price on which user want to buy or sell Stock | Yes | Number | 1 | - |

If the authorization was denied, the service will respond with an error:

{

“code”: 401,

“message”: “User not authorized”

"description: "Access Denied"

}

**Sample Response:**

[

{"code":200},

{"Success":"Order placed successfully"}

]

**Response parameters details:**

|  |  |  |
| --- | --- | --- |
| ***Http Status Code*** | ***Description*** | ***Schema*** |
| **200** | Transaction success | [{  code:  int  *Error Code*  },  {  Success  String  } |
| **4xx/5xx** | Transaction failure | {  code:  integer (int32)  *Error code*  message:  string  *Error message*  } |

* 1. View Order Status

This API will let user have a record of their orders placed on a specific date.

**Request URL:**

Request URL to be formed as per below template. Access token is given when participant authenticate for the first time.

https://stockexchange.mybluemix.net/stockexc/icicibank/showtrading?client\_id=<Client\_Id>&token=<Token>&custid=<Cust\_Id>&date=<Date>

**Sample Request:**

https://stockexchange.mybluemix.net/stockexc/icicibank/showtrading?client\_id=ICICI.APPATHON@GMAIL.COM&token=656b872f26e4&custid=33335001&date=2017-03-22

**Description of Request parameters:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Description** | **Required** | **Data type** | **Min Length** | **Max Length** |
| Client\_id | Participant Email ID given at time of registration. | Yes | string | 10 | 50 |
| Token | Unique token to authenticate participant’s every request. | Yes | string | 12 | 12 |
| Custid | Cust Id Of the user | Yes | Number | 8 | 8 |
| Date | Date of which trading details required | Yes | Date | - | - |

If the authorization was denied, the service will respond with an error:

{

“code”: 401,

“message”: “User not authorized”

"description: "Access Denied"

}

**Sample Response:**

[

{"code":200},

{"Format":"STOCK\_CODE-EXCHANGE-ORDER\_TYPE-ORDER\_QUANTITY-ORDER\_PRICE-CONFIRMATION"},

{"Value":"NTPC-NSE-buy-100-165.8-Executed"},

{"Value":"NTPC-NSE-buy-100-165.8-Executed"},

{"Value":"NTPC-NSE-buy-100-162.8-Ordered"},

{"Value":"NTPC-NSE-buy-100-162.8-Ordered"}

]

**Response parameters details:**

|  |  |  |
| --- | --- | --- |
| ***Http Status Code*** | ***Description*** | ***Schema*** |
| **200** | Transaction success | [{  code:  int  *Error Code*  },  {  Format  String  }  {  Values  String  } |
| **4xx/5xx** | Transaction failure | {  code:  integer (int32)  *Error code*  message:  string  *Error message*  } |

1. ICICI Lombard APIs
   1. Single View of Customer

This API can be used to get policy details of a given customer

**Request URL:**

Request URL to be formed as per below template. Access token is given when participant authenticate for the first time.

http://generalinsurance.mybluemix.net/banking/icicibank\_general\_insurance/getCustomerDtls?client\_id=<participant\_id>&token=<access token>&mobileNo=<mobile number>&emailId=<Email id>

**Sample Request:**

https://generalinsurance.mybluemix.net/banking/icicibank\_general\_insurance/getCustomerDtls?client\_id=ICICI.APPATHON@GMAIL.COM&token=656b872f26e4&mobileNo=1324567890&emailId=ICICI.APPATHON@GMAIL.COM

**Description of Request parameters:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Description** | **Required** | **Data type** | **Min Length** | **Max Length** |
| Client\_id | Participant Email ID given at time of registration. | Yes | string | 10 | 50 |
| Token | Unique token to authenticate participant’s every request. | Yes | string | 12 | 12 |
| Mobile No | Mobile No of Customer | Yes | string | 10 | 10 |
| Email ID | Email ID of Customer | Yes | String | 1 | 50 |

If the authorization was denied, the service will respond with an error:

{

“code”: 401,

“message”: “User not authorized”,

“description”: “Access Denied”,

}

**Sample Response:**

[

{

"code":200

},

{

"email\_id":"ICICI.APPATHON@GMAIL.COM",

"pincode":"400001",

"total\_premium\_amt":"657510",

"product":"Four Wheeler",

"insured\_name":"A1",

"policy\_end\_date":"1990-01-04",

"dob":"05\/15\/91",

"resident\_add":"Mumbai",

"policy\_start\_date":"1990-01-01",

"mobile\_no":"1324567890",

"state":"Maharashtra"

},

{

"claim\_no":"1111222211",

"reg\_dt":"1990-01-06",

"claim\_status":"Closed",

"lastchanged\_status\_dt":"1990-01-09"

},

{

"incident\_type":"Request",

"incident\_raised\_dt":"1990-01-08",

"service\_req\_no":"SR12345610",

"incident\_status":"Open"

}

]

**Response parameters details:**

|  |  |  |
| --- | --- | --- |
| ***Http Status Code*** | ***Description*** | ***Schema*** |
| **200** | Transaction success | [{code:  int  *Error Code* },  { email\_id:  String  *Email ID*  pincode:  String  *Pincode*  total\_premium\_amt:  Sring  *Total premium amount*  product:  String  *Product Name*  insured\_name:  String  *Insured Name*  policy\_end\_date:  String  *Policy End Date*  dob:  String  *Date of Birth*  resident\_add:  string  *Resident Address*  policy\_start\_date:  string  *Policy Start Date*  mobile\_no:  string  *Mobile no*  State:  string  *State*  },  {  claim\_no:  String  *Claim number*  reg\_dt:  string  *Registration date*  claim\_status:  string  *Claim Status*  lastchanged\_status\_dt:  string  *Last changed status Date*  },  {  incident\_type:  String  *Incident Type*  incident\_raised\_dt:  string  *Incident Raise Date*  service\_req\_no:  string  *Service request no*  incident\_status:  string  *Incident Status*  } |
| **4xx/5xx** | Transaction failure | {  code:  integer (int32)  *Error code*  message:  string  *Error message*  description:  string  *Error description*  } |

* 1. Quick Policy Renewal

This service returns the details of the motor policy for renewal based on the customer’s mobile number and email ID

**Request URL:**

Request URL to be formed as per below template. Access token is given when participant authenticate for the first time.

http://generalinsurance.mybluemix.net/banking/icicibank\_general\_insurance/getRenewalNotice?client\_id=<participant\_id>&token=<access token>&mobileNo=<mobile number>&emailId=<Email id>

**Sample Request:**

https://generalinsurance.mybluemix.net/banking/icicibank\_general\_insurance/getRenewalNotice?client\_id=ICICI.APPATHON@GMAIL.COM&token=656b872f26e4&mobileNo=1234567890&emailId=ICICI.APPATHON@GMAIL.COM

**Description of Request parameters:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Description** | **Required** | **Data type** | **Min Length** | **Max Length** |
| Client\_id | Participant Email ID given at time of registration. | Yes | string | 10 | 50 |
| Token | Unique token to authenticate participant’s every request. | Yes | string | 12 | 12 |
| Mobile No | Mobile No of Customer | Yes | string | 10 | 10 |
| Email ID | Email ID of Customer | Yes | String | 1 | 50 |

If the authorization was denied, the service will respond with an error:

{

“code”: 401,

“message”: “User not authorized”,

“description”: “Access Denied”,

}

**Sample Response:**

[

{

"code":200

},

{

"email\_id":"ICICI.APPATHON@GMAIL.COM",

"policy\_no":"1234\/111112222\/01\/001",

"mobile\_no":"1234567890",

"rto":"Mumbai",

"manufacturer":"Honda",

"new\_policy\_no":"2016\/111112222\/00\/00",

"policy\_st\_date":"1990-01-01",

"serv\_tax":"7250",

"engine\_no":"11112222100",

"policy\_end\_date":"1990-01-04",

"chasis\_no":"1012222101",

"basic\_premium":"500000",

"model":"Jazz",

"cust\_name":"A1",

"idv":"952500",

"vehicle\_tp":"Four Wheeler",

"tot\_premium\_amt":"57250"

}

]

**Response parameters details:**

|  |  |  |
| --- | --- | --- |
| ***Http Status Code*** | ***Description*** | ***Schema*** |
| **200** | Transaction success | [  {  code:  int  *Error Code*  },  {  email\_id:  string  *Email ID*  policy\_no:  datetime  *Policy Number*  mobile\_no:  string  *Mobile Number*  rto:  string  *RTO*  manufacturer:  string  *Manufacturer*  new\_policy\_no:  string  *New Policy Number*  policy\_st\_date:  string  *Policy Start Date*  serv\_tax:  string  *Service Tax*  engine\_no:  string  *Engine Number*  policy\_end\_date:  string  *Policy End Date*  chasis\_no:  string  *Chassis Number*  basic premium:  string  *Basic premium*  model:  string  *Model*  cust\_name:  string  *Customer Name*  idv:  string  *IDV*  vechile\_tp:  string  *Vehicle Type*  tot\_premium\_amt:  string  *Total Premium Amount*  }  ] |
| **4xx/5xx** | Transaction failure | {  code:  integer (int32)  *Error code*  message:  string  *Error message*  description:  string  *Error description*  } |

* 1. Quick Quote

This service returns a premium quote given a set of inputs regarding a motor vehicle

**Request URL:**

Request URL to be formed as per below template. Access token is given when participant authenticate for the first time.

http://generalinsurance.mybluemix.net/banking/icicibank\_general\_insurance/getQuickQuote?client\_id=<participant\_id>&token=<access token>&custName=Amar&mobileNo=<mobile number>&emailId=<Email id>&manufacturer=<manufacturer>&model=<Model name>&address=<address>&rto=<rto>&regDt=<registration date>

**Sample Request:**

https://generalinsurance.mybluemix.net/banking/icicibank\_general\_insurance/getQuickQuote?client\_id=ICICI.APPATHON@GMAIL.COM&token=656b872f26e4&custName=Rahul&mobileNo=1234567890&emailId=ICICI.APPATHON@GMAIL.COM&manufacturer=Honda&model=Jazz&address=Mumbai&rto=Andheri&regDt=10-10-2012

**Description of Request parameters:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Description** | **Required** | **Data type** | **Min Length** | **Max Length** |
| Client\_id | Participant Email ID given at time of registration. | Yes | string | 10 | 50 |
| Token | Unique token to authenticate participant’s every request. | Yes | string | 12 | 12 |
| custname | Deal Number | Yes | string | 1 | 50 |
| Mobile No | Mobile No of Customer | Yes | String | 10 | 10 |
| emailid | Email ID of Customer | Yes | String | 1 | 50 |
| Manufacturer | Manufacturer name | Yes | String | 1 | 20 |
| Model | Model | Yes | String | 1 | 20 |
| RTO | RTO | Yes | String | 1 | 20 |
| regdate | Registration Date | Yes | Date |  |  |

If the authorization was denied, the service will respond with an error:

{

“code”: 401,

“message”: “User not authorized”,

“description”: “Access Denied”,

}

**Sample Response:**

[

{

"code":200

},

{

"email\_id":"ICICI.APPATHON@GMAIL.COM",

"manufacture":"Honda",

"regDt":"10-10-2012",

"premium":50000.0,

"address":"Mumbai",

"ex\_showroom\_price":1000000.0,

"mobile\_no":"1234567890",

"cust\_name":"Rahul",

"model":"Jazz",

"idv":950000.0,

"rto":"Andheri"

}

]

**Response parameters details:**

|  |  |  |
| --- | --- | --- |
| ***Http Status Code*** | ***Description*** | ***Schema*** |
| **200** | Transaction success | [  {  code:  int  *Error Code*  },  {  email\_id:  string  *Email ID of Customer*  manufacturer:  String  *Manufacturer Name*  regdt:  string  *Registration Date*  premium:  string  *Premium Amount*  Address:  string  *Customer Address*  ex\_showroom\_price:  string  *Ex Showroom Price*  mobile\_no:  string  *mobile Number*  custname:  string  *Customer Name*  model:  string  *Model Name*  idv:  string  *IDV*  rto:  string  *RTO*  } |
| **4xx/5xx** | Transaction failure | {  code:  integer (int32)  *Error code*  message:  string  *Error message*  description:  string  *Error description*  } |

1. ICICI Prudential Life Insurance APIs
   1. Get Quick Quote

This service can be used to get quote for a Insurance policy for given set of parameters

**Request URL:**

Request URL to be formed as per below template. Access token is given when participant authenticate for the first time.

https://prudential.mybluemix.net/banking/icicibank/quickquotes?client\_id=<participant\_id>&token=<access\_token>&name=<name>&dob=<date of\_birth>&gender=<gender>&marital\_status=<marital\_status>&term=<term>&mode\_of\_payment=<modeof payment>&tobacco=<Yes or No>

**Sample Request:**

https://prudential.mybluemix.net/banking/icicibank/quickquotes?client\_id=ICICI.APPATHON@GMAIL.COM&token=656b872f26e4&name=sachin&dob=21-03-2017&gender=male&marital\_status=married&term=m&mode\_of\_payment=online&tobacco=yes

**Description of Request parameters:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Description** | **Required** | **Data type** | **Min Length** | **Max Length** |
| Client\_id | Participant Email ID given at time of registration. | Yes | string | 10 | 50 |
| Token | Unique token to authenticate participant’s every request. | Yes | string | 12 | 12 |
| name | Name of policy insurer | Yes | string | 1 | 35 |
| date\_of\_birth | Date of Birth of the policy insurer | Yes | string | dd-MM-yyyy | dd-MM-yyyy |
| gender | Gender of the policy insurer  Male or Female | Yes | string | 4 | 5 |
| Marital status | Marital Status of the policy insurer  Married or Unmarried | Yes | string | 7 | 10 |
| Term | Term of Policy  As per note | Yes | string | 1 | 1 |
| Mode Of Payment | Mode of payment Online or Offline | Yes | string | 6 | 10 |
| tobacco | policy insurer is Smoker Yes or No | Yes | string | 2 | 3 |

Note :

Vaild value for Term <Term>

1. Monthly - M

2. Quarterly - Q

3. Half Yearly - H

4. Yearly - Y

If the authorization was denied, the service will respond with an error:

{

“code”: 401,

“message”: “User not authorized”

"description: "Access Denied"

}

Sample Response:

[{"code":200}, {"annual\_premium":12000}]

Response parameters details

|  |  |  |
| --- | --- | --- |
| ***Http Status Code*** | ***Description*** | ***Schema*** |
| **200** | Transaction success | [{  code:  int  *Error Code*  },  {  annual\_premium  String  *annual premium as per term*  } |
| **4xx/5xx** | Transaction failure | {  code:  integer (int32)  *Error code*  message:  string  *Error message*  } |

* 1. Purchase Policy

This service can be used to purchase a life insurance policy

**Request URL:**

Request URL to be formed as per below template. Access token is given when participant authenticate for the first time.

https://prudential.mybluemix.net/banking/icicibank/purchasepolicy?client\_id=<participant\_id>&token=<access token>&cust\_id=<customer identification number>&name=<name>&dob=<date ofbirth>&age=<age>&gender=<gender>&marital\_status=<maritalstatus>&nationality=<nationality>&mobileno=<mobilenumber>&address=<address>&segment=<segment >&nominee\_name=<nominee name>&tobacco=< tobacco >

**Sample Request:**

https://prudential.mybluemix.net/banking/icicibank/purchasepolicy?client\_id=ICICI.APPATHON@GMAIL.COM&token=656b872f26e4&cust\_id=33335002&name=Poonam&dob=30-08-1991&age=10&gender=male&marital\_status=married&nationality=indian&mobileno=8097785368&address=mumbai&segment=NRI&nominee\_name=gokul&tobacco=yes

**Description of Request parameters:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Description** | **Required** | **Data type** | **Min Length** | **Max Length** |
| Client\_id | Participant Email ID given at time of registration. | Yes | string | 10 | 50 |
| Token | Unique token to authenticate participant’s every request. | Yes | string | 12 | 12 |
| name | Name of insurer | Yes | string | 1 | 35 |
| date\_of\_birth | Date of Birth of the policy insurer | Yes | string | dd-MM-yyyy  format | dd-MM-yyyy  format |
| gender | Gender of the policy insurer  Male or Female | Yes | string | 4 | 6 |
| Marital status | Marital Status of the policy insurer  Married or Unmarried | Yes | string | 7 | 10 |
| Address | Address of insurer | Yes | string | 1 | 50 |
| Nationality | Nationality of policy insurer | Yes | string | 1 | 15 |
| Nominee name | Name of Nominee | Yes | string | 1 | 35 |
| Mobile no | Mobile no of policy insurer | Yes | number | 10 | 10 |
| Age | Age of policy insurer | Yes | Number | 1 | 3 |
| segement | Segment of insurer Options: NRI, Corporate, Urban, Regular | Yes | String | 3 | 9 |
| custid | Unique id for customer | Yes | Number | 8 | 8 |
| tobacco | is Smoker  Yes OR No | Yes | string | 2 | 3 |

If the authorization was denied, the service will respond with an error:

{

“code”: 401,

“message”: “User not authorized”

"description: "Access Denied"

}

**Sample Response:**

[

{"code":200},

{

"policy\_no":100026,

"date\_of\_transaction":"2017-02-19",

"message":"SUCCESS",

"annual\_premium":12000

}

]

**Response parameters details:**

|  |  |  |
| --- | --- | --- |
| ***Http Status Code*** | ***Description*** | ***Schema*** |
| **200** | Transaction success | [{  code:  int  *Error Code*  },  {  policy\_no  String  *policy number*  annual\_premium  string *annual premium amount*  date\_of\_transaction  Date *Date of transaction*  message  string  *Success message*  } |
| **4xx/5xx** | Transaction failure | {  code:  integer (int32)  *Error code*  message:  string  *Error message*  } |

* 1. View Policy Details

This API returns the policy details for a given customer

**Request URL:**

Request URL to be formed as per below template. Access token is given when participant authenticate for the first time.

https://prudential.mybluemix.net/banking/icicibank/viewpolicydetails?client\_id=<participant\_id>&token=<access\_token>&custid=<customer\_identification number>

**Sample Request:**

<https://prudential.mybluemix.net/banking/icicibank/viewpolicydetails?client_id=ICICI.APPATHON@GMAIL.COM&token=656b872f26e4&custid=33335001>

**Description of Request parameters:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Description** | **Required** | **Data type** | **Min Length** | **Max Length** |
| Client\_id | Participant Email ID given at time of registration. | Yes | string | 10 | 50 |
| Token | Unique token to authenticate participant’s every request. | Yes | string | 12 | 12 |
| custid | Unique id for customer | Yes | string | 8 | 8 |

If the authorization was denied, the service will respond with an error:

{

“code”: 401,

“message”: “User not authorized”

"description: "Access Denied"

}

**Sample Response:**

[

{"code":200}, {"policy\_no":"100002","ulip\_policy":"Link","policy\_status":"IF","nav\_date":"2016-01 01","PremiumAmt":"10000","fund\_name":"ICICIPruMF","sum\_assured":"1000000","fund\_code":"IC20523","fund\_unit":"10000","amtdue":"500000","installmentsdue":"100000","fund\_value":"10000","mode\_of\_payment":"Linked\_Account","cust\_id":"33335002","fund\_nav":"46.23"}, {"policy\_no":"100003","ulip\_policy":"Link","policy\_status":"IF","nav\_date":"2016-0101","PremiumAmt":"10000","fund\_name":"ICICIPruMF","sum\_assured":"1000000","fund\_code":"IC20523","fund\_unit":"10000","amtdue":"500000","installmentsdue":"100000","fund\_value":"10000","mode\_of\_payment":"Linked\_Account","cust\_id":"33335002","fund\_nav":"46.23"}

]

**Response parameters details:**

|  |  |  |
| --- | --- | --- |
| ***Http Status Code*** | ***Description*** | ***Schema*** |
| **200** | Transaction success | [{  code:  int  *Error Code*  },  {  policy\_no  Number  *Policy number*  policy\_status String *Policy**Status*  nav\_date date  *Nav date*  ulip\_policy  String  *Ulip Policy*  PremiumAmt  Number  *Premium Amount*  fund\_name  String  *Fund name*  sum\_assured  Number *Sum Assured*  fund\_code String  *Fund Code*  fund\_unit  Number  *Fund Code*  amtdue  Number  *Amount Due*  installmentsdue  Number  *InstallmentDue*  fund\_value  Number  *Fund Value*  mode\_of\_payment  String  *Mode of payment*  fund\_nav  Number  *Fund nav*  cust\_id  Number  *Cust id*  } |
| **4xx/5xx** | Transaction failure | {  code:  integer (int32)  *Error code*  message:  string  *Error message*  } |

* 1. View Customer Details

This API returns customer details like segment, age, gender, marital status, Address, risk profile, premiums paid

**Request URL:**

Request URL to be formed as per below template. Access token is given when participant authenticate for the first time.

https://prudential.mybluemix.net/banking/icicibank/viewcustomerdetails?client\_id=<participant\_id>&token=<access\_token>&custid=<customer\_identification number>&policyno=< policyno >

**Sample Request:**

<https://prudential.mybluemix.net/banking/icicibank/viewcustomerdetails?client_id=ICICI.APPATHON@GMAIL.COM&token=656b872f26e4&custid=33335002&policyno=100001>

**Description of Request parameters:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Description** | **Required** | **Data type** | **Min Length** | **Max Length** |
| Client\_id | Participant Email ID given at time of registration. | Yes | string | 10 | 50 |
| Token | Unique token to authenticate participant’s every request. | Yes | string | 12 | 12 |
| custid | Unique id for customer | Yes | Number | 8 | 8 |
| policyno | Policy Number of customer | Yes | Alphanumric | 6 | 6 |

If the authorization was denied, the service will respond with an error:

{

“code”: 401,

“message”: “User not authorized”

"description: "Access Denied"

}

**Sample Response:**

[

{"code":200},

{

"PremiumPaid":"1","RiskProfile":"yes","Address":"mumbai","Gender":"male","MARITAL STATUS":"single","Age":"25","Segment":"NRI"

}

]

**Response parameters details:**

|  |  |  |
| --- | --- | --- |
| ***Http Status Code*** | ***Description*** | ***Schema*** |
| **200** | Transaction success | [{  code:  int  *Error Code*  },  {  PremiumAmt Number *PremiumAmt of Customer*  RiskProfile  String  *RiskProfile of Customer*  Address  String  *Adderss of Customer*  Gender  String  *Gender of Customer*  MARITAL STATUS  String  *marital status of customer*  Segment  String  *segement of customer*  Age  Number  *Age of customer*  } |
| **4xx/5xx** | Transaction failure | {  code:  integer (int32)  *Error code*  message:  string  *Error message*  } |

* 1. Customer Statement

This service can be used to get policy status, fund value, premium details and to generate policy statements (different type of charge and fund details) with given set of parameters. For getting the response output, Participants has to hit the URL with required parameter (as json object) using POST method style in a ajax call.

**Request URL:**

Request end point URL to access this service is as follows.

https://ipru.mybluemix.net/api/checkCustomerService

**Sample Request script:**

The below script should be used to hit a request with the required parameter as described in req1 below. The string name representing the request parameter is case sensitive and should be used as described below. The output will be a json object containing all the related outcomes in json format.

<script>

$(document).ready(function()

var req1={"policyNo":policyNo ,"mobno":mobNo ,"Email":Email ,

"Dob":Dob,"panNo":PanNo ,"clientId":clientId,"authToken":authToken}

$.ajax({

url: "https://prudentialnew.mybluemix.net/api/checkCustomerService",

crossDomain: true,

type:'POST',

data:JSON.stringify(req1),

contentType: 'application/json',

xhrFields: {

withCredentials: true

},

success: function(result){

var resultObject =JSON.parse(result);

var basicfields = resultObject[0].basicfields;

var basicfieldsObj = JSON.parse(basicfields)[0];

var prdftlbean = resultObject[0].prdftlbean;

var prdftlbeanObj = JSON.parse(prdftlbean)[0];

var prdallchargeslist = resultObject[0].prdallchargeslist;

var prdallchargeslistObj = JSON.parse(prdallchargeslist)[0] ;

var prdchargeslist1 = resultObject[0].prdchargeslist1;

var prdchargeslist1Obj = JSON.parse(prdchargeslist1);

var prdchargeslist2 = resultObject[0].prdchargeslist2;

var prdchargeslist2Obj = JSON.parse(prdchargeslist2);

var prdfunddetails1 = resultObject[0].prdfunddetails1;

var prdfunddetails1Obj = JSON.parse(prdfunddetails1);

var prdfunddetails2 = resultObject[0].prdfunddetails2;

var prdfunddetails2Obj = JSON.parse(prdfunddetails2);

var prdothercharges = resultObject[0].prdothercharges;

var prdotherchargesObj = JSON.parse(prdothercharges);

prdftlbeanObj.prdAllChargesList = prdallchargeslistObj;

prdftlbeanObj.prdOtherCharges = prdotherchargesObj;

var prdfunddetails = $.merge(prdfunddetails1Obj,prdfunddetails2Obj);

var prdchargeslist = $.merge(prdchargeslist1Obj,prdchargeslist2Obj);

prdftlbeanObj.prdFundDetails = prdfunddetails;

prdftlbeanObj.prdChargesList = prdchargeslist;

basicfieldsObj.prdFtlBean = prdftlbeanObj;

delete resultObject[0].basicfields;

delete resultObject[0].prdftlbean;

delete resultObject[0].prdallchargeslist;

delete resultObject[0].prdchargeslist1;

delete resultObject[0].prdchargeslist2;

delete resultObject[0].prdfunddetails1;

delete resultObject[0].prdfunddetails2;

delete resultObject[0].prdothercharges;

resultObject[0]["productValueStmt"] = basicfieldsObj;

var Resultset =JSON.stringify(resultObject[0]));

}})

});

</script>

**Description of Request parameters**:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Description** | **Required** | **Data Type** | **Min Length** | **Max Length** |
| Client Id | Participant Email ID given at time of registration. | Yes | String | NA | NA |
| Token | Unique token is to access this API. | Yes | String | NA | NA |
| Policy No | Policy No of the insured person | Yes | String | NA | NA |
| Mob No | Mobile No of the policy holder | Optional | String | NA | NA |
| Email Id | Email address of the policy holder | Optional | String | NA | NA |
| DOB | Date of birth of the policy holder | Optional | String | NA | NA |
| Pan No | Pan No of the policy holder | Optional | String | NA | NA |

**NOTE:** The DOB should be in format dd-MMM-yy (10-JAN-17).

1. If authorization will be failed, the service will respond with error msg:

{"errorMsg":"Client ID not validated.."}

1. If Input parameter (Apart from client Id and Token) will be null, the service will respond with error msg:

{"errorMsg":"Invalid Request, Missing Required parameter/s"}

1. If No Data found for given parameter, the service will respond with error msg:

{"errorMsg":"No Records Found for given parameter/s"}

**Sample Response:**

[{"contractNumber":"00000377","policyStatus":"MA","premiumStatus":"MA","billFrequency":"00","premiumPayingTerm":0,"premAmount":3175,"sumAssured":50000,"productValueStmt":{"REPORT\_TYPE":"PRODUCTSTATEMENT","SITE":"W","TIME\_STAMP":"Mar 17, 2017 6:55:59 PM","appReqId":"null","fromDate":"24-01-2002","toDate":"17-03-2017","emailSent":"N","eStatementPK":2011964,"lAResStatCode":"8","policymode":"A","Load\_Bal\_Flag":false,"Total\_MQ":0,"tryCount":0,"panDetailsNotAvl":false,"emailDetailsNotAvl":false,"stayInvestedFlag":true,"ipAddress":"0:0:0:0:0:0:0:1","BOPSFlag":true,"sessionDevice":"Session\_Desktop","prdFtlBean":{"websiteImgPath":"","helplineImgPath":"","emailImgPath":"","serviceImgPath":"","faxImgPath":"","ipruLogoImgPath":"D:/workspace/sellonline\_prod/IPruConfig/images/Csr/iprulogo.jpg","impInfoImgPath":"","regNoteImgPath":"","fundAllocated":"83790.0","address1":"B-401 MANSI VIHAR ","address2":"DATTA MANDIR ROAD ","address3":"NEXT TO COD GATE MALAD EAST ","address4":"MUMBAI ","pinCode":"400097 ","productValue":"258489.86","SEPARATE":"","address5":".. ","productName":"LifeTime ","unitAsPerPAS":"6235.07171","valueAsPerUnit":"41.4574","premAllocationCharges":"6210.0","premInclTopUp":"90000.0","UINCODE":"105L013V01","address7":" ","accountBranch":"--","accountMonth":"--","accountAmount":"+000000001483131.98","accumulationUnitPrice":"0062.03366","totalWithdrawals":"-000000000036810.80","totalFundValue":"000000000258489.84","totalFundsAllocated":"+000000000089999.98","totSwitchOut":"-000000001483131.98","totalPercentageAlloc":"100.00","totAmountSeggratedFunds":"000000000083790.00","totUnitsInvested":"00000006235.07171" }]

* 1. Annuity

This service can be used to get Annuity options chosen by the policy holder, Annuity payouts frequency, and verification needed for that chosen annuity type with given set of parameters. For getting the response output, Participants has to hit the URL with required parameter (as json object) using POST method style in a ajax call.

**Request URL:**

Request end point URL to access this service is as follows.

https://ipru.mybluemix.net/api/annuity

**Sample Request script:**

The below script should be used to hit a request with the required parameter as described in req2 below. The string name representing the request parameter is case sensitive and should be used as described below. The output will be a json object containing all the related outcomes in json format.

<script>

$(document).ready(function()

var req2 = {"policyNo":policyNo,"mobno":mobNo,"clientId":clientId,

" authToken “:authToken}

$.ajax({

url: ":https://prudentialnew.mybluemix.net/api/annuity",

crossDomain: true,

type:'POST',

data:JSON.stringify(req2),

contentType: 'application/json',

xhrFields: {

withCredentials: true

},

success: function(result){

var result = JSON.parse(result);

}})

};

</script>

**Description of Request parameters:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Description** | **Required** | **Data Type** | **Min Length** | **Max Length** |
| Client Id | Participant Email ID given at time of registration. | Yes | String | NA | NA |
| Token | Unique token is to access this API. | Yes | String | NA | NA |
| Policy No | Policy No of the insured person | Yes | String | NA | NA |
| Mob No | Mobile No of the policy holder | Optional | String | NA | NA |

1. If authorization will be failed, the service will respond with error msg:

{"errorMsg":"Client ID not validated.."}

1. If Input parameter (Apart from client Id and Token) will be null, the service will respond with error msg:

{"errorMsg":"Invalid Request, Missing required parameter/s"}

1. If No Data found for given parameter, the service will respond with error msg:

{"errorMsg":"No Records found for given parameter/s"}

**Sample Response:**

[{"contractNumber":"00000377","annuityoption":"Joint Life, Last Survivor without Return of Purchase Price", "annuityPayoutFrequency":"Monthly", "verification":"N"}]

* 1. CustomerData

This service can be used to get policy No, email Address and mobile No of the policy holder with given set of parameters. For getting the response output, Participants has to hit the URL with required parameter (as json object) using POST method style in a ajax call.

**Request URL:**

Request end point URL to access this service is as follows.

https://ipru.mybluemix.net/api/customerData

**Sample Request script:**

The below script should be used to hit a request with the required parameter as described in req3 below. The string name representing the request parameter is case sensitive and should be used as described below. The output will be a json object containing all the related outcomes in json format.

<script>

$(document).ready(function()

var req3 = {"policyNo":policyNo, "clientId":clientId, “authToken”:authToken}

$.ajax({

url: ":https://prudentialnew.mybluemix.net/api/customerData",

crossDomain: true,

type:'POST',

data:JSON.stringify(req3),

contentType: 'application/json',

xhrFields: {

withCredentials: true

},

success: function(result){

var result = JSON.parse(result);

}})

};

</script>

**Description of Request parameters:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Description** | **Required** | **Data Type** | **Min Length** | **Max Length** |
| Client Id | Participant Email ID given at time of registration. | Yes | String | NA | NA |
| Token | Unique token is to access this API. | Yes | String | NA | NA |
| Policy No | Policy No of the insured person | Yes | String | NA | NA |

1. If authorization will be failed, the service will respond with error message:

{"errorMsg":"Client ID not validated.."}

1. If Input parameter (Apart from client Id and Token) will be null, the service will respond with error message:

{"errorMsg":"Invalid Request, Missing required parameter/s"}

1. If No Data found for given parameter, the service will respond with error message:

{"errorMsg":"No Records found for given parameter/s"}

**Sample Response:**

[{"contractNumber":"00000377","prEmailAddress":"USER87@GMAIL.COM","custMobileNum":"8812345678"}]

* 1. RiskScore

This service can be used to get customer risk score, customer fraud history if exist, customer occupation, income and education with given set of parameters. For getting the response output, Participants has to hit the URL with required parameter (as json object) using POST method style in a ajax call.

**Request URL:**

Request end point URL to access this service is as follows.

https://ipru.mybluemix.net/api/riskScore

**Sample Request script:**

The below script should be used to hit a request with the required parameter as described in req4 below. The string name representing the request parameter is case sensitive and should be used as described below. The output will be a json object containing all the related outcomes in json format.

<script>

$(document).ready(function()

var req4 = ={"policyNo":policyNo ,"mobno":mobNo ,"Email":Email ,

"Dob":Dob,"clientId":clientId,"authToken":authToken}

$.ajax({

url: ":https://prudentialnew.mybluemix.net/api/riskScore",

crossDomain: true,

type:'POST',

data:JSON.stringify(req4),

contentType: 'application/json',

xhrFields: {

withCredentials: true

},

success: function(result){

var result = JSON.parse(result);

}})

};

</script>

**Description of Request parameters:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Description** | **Required** | **Data Type** | **Min Length** | **Max Length** |
| Client Id | Participant Email ID given at time of registration. | Yes | String | NA | NA |
| Token | Unique token is to access this API. | Yes | String | NA | NA |
| Policy No | Policy No of the insured person | Yes | String | NA | NA |
| Mob No | Mobile No of the policy holder | Optional | String | NA | NA |
| Email Id | Email address of the policy holder | Optional | String | NA | NA |
| DOB | Date of birth of the policy holder | Optional | String | NA | NA |

**NOTE:** The DOB should be in format dd-MMM-yy (10-JAN-17).

1. If authorization will be failed, the service will respond with error message:

{"errorMsg":"Client ID not validated.."}

1. If Input parameter (Apart from client Id and Token) will be null, the service will respond with error message:

{"errorMsg":"Invalid Request, Missing required parameter/s"}

1. If No Data found for given parameter, the service will respond with error message:

{"errorMsg":"No Records found for given parameter/s"}

**Sample Response:**

[{"fraudHistory":"No","custRiskScore":0,"laIncome":"1500000","laOccupation":"SERVICE","laEducation":"Others"}]

* 1. Plans

This service can be used to get customer/policy holder age, average sum assured of the all policy holder falling in the income bucket range(1-5 L, 5-10 L, above 10 L) of that policy holder and the shortfall amount of the mentioned policy holder with respect to the average sum assured with given set of parameters. For getting the response output, Participants has to hit the URL with required parameter (as json object) using POST method style in a ajax call.

**Request URL:**

Request end point URL to access this service is as follows.

https://ipru.mybluemix.net/api/plans

**Sample Request script:**

The below script should be used to hit a request with the required parameter as described in req5 below. The string name representing the request parameter is case sensitive and should be used as described below. The output will be a json object containing all the related outcomes in json format.

<script>

$(document).ready(function()

var req5 = {"policyNo":policyNo, "clientId":clientId, “authToken”:authToken}

$.ajax({

url: ":https://prudentialnew.mybluemix.net/api/plans",

crossDomain: true,

type:'POST',

data:JSON.stringify(req5),

contentType: 'application/json',

xhrFields: {

withCredentials: true

},

success: function(result){

var result = JSON.parse(result);

}})

};

</script>

**Description of Request parameters**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Description** | **Required** | **Data Type** | **Min Length** | **Max Length** |
| Client Id | Participant Email ID given at time of registration. | Yes | String | NA | NA |
| Token | Unique token is to access this API. | Yes | String | NA | NA |
| Policy No | Policy No of the insured person | Yes | String | NA | NA |

1. If authorization will be failed, the service will respond with error message:

{"errorMsg":"Client ID not validated.."}

1. If Input parameter (Apart from client Id and Token) will be null, the service will respond with error message:

{"errorMsg":"Invalid Request, Missing required parameter/s"}

1. If No Data found for given parameter, the service will respond with error message:

{"errorMsg":"No Records found for given parameter/s"}

**Sample Response:**

{“age\_inyrs”:24, “shortfall\_amt”:1407509.0, “avg\_sum\_assured”:1457509}

1. Error Code

|  |  |
| --- | --- |
| **Http Code** | **Description** |
| 400 | Bad request. If request parameter are not provided. |
| 401 | Not a valid participant\_id or token |
| 402 | The parameters were valid but the request failed while processing.  Error in processing |
| 404 | API service not available |
| 500 | Error in Service |
| 501 | Processing error – One or more of internal systems gave an error while processing the request  Database connectivity issues or timeouts |
| 502 | Unknown error |
| 503 | No Data Found |