ICICI Appathon

2017

API DOCUMENT

CONFIDENTIAL

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.

2. 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

3. 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".

4. 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.

5. 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

6. 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>

7. 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/participa ntmapping?client_id=<Participant ID>

Sample Request:

https://retailbanking.mybluemix.net/banking/icicibank/participa ntmapping?client_id=ICICI.APPATHON@GMAIL.COM

8. Retail Banking APIs
8.1.   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=<par ticipant_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
		}

8.2.   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=444777755550001

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
		 }

8.3.   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* }

8.4.   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	Yes	string	12	12

					16	16
	request.					
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`
		`}`

8.5. 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

17

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:

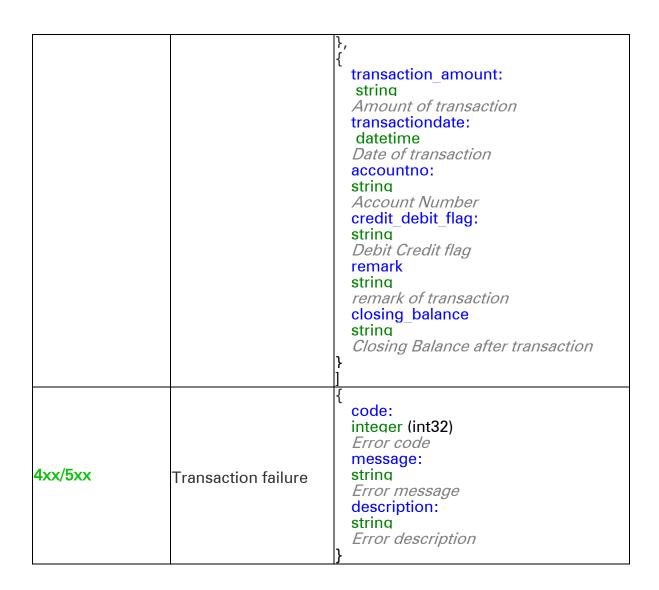| Name	Description	Required	Data type	Min Length	Max Length
Client_id	Participant Email ID given at time of registration.	Yes	string	10	50
Token	Unique token to authenticate participant's every request.	Yes	string	12	12
AccountNo	Unique bank account number of the participant	Yes	string	16	16
fromdate	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
		}

8.6.   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
		}

8.7. 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
		}

8.8.   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=<partici pant_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.AP PATHON@GMAIL.COM&token=656b872f26e4&srcAccount=4444777755550001&dest Account=4444777755550002&amt=200&payeeDesc=NA&payeeId=1&type_of_transa ction=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
		}

8.9.   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
		}

8.10. 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
		}

8.11. 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>&clientI d=<client_id>&authToken=<token>

Sample Request:

https://pocketsapi.mybluemix.net/rest/Loan/getLoanDetails?param=33335005&clientI d=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
		 }

8.12. 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
		 }

8.13. 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	Yes	string	12	12

				5	5
	request.				
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* }

8.14. 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* }

8.15. 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=<partici pant_id>&token=<access token>&custid=<customer id>

Sample Request:

https://debitcardapi.mybluemix.net/debit/icicibank/getDebitDetails?client_id=ICICI.AP PATHON@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
		}

8.16. 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=<partic ipant_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.A PPATHON@GMAIL.COM&token=656b872f26e4&custid=33335001&debit_card_no=34 77551166995001&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
		}

9. KYC APIs
9.1.   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

2) 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.

3) 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
		
		}

9.2.   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
		
		}

10. Billers APIs
10.1.   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* }

10.2.　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
		}

10.3. 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
		
		}

| | | {
code:
integer (int32)
Error code
message:
string
Error message
} |
|---|---|---|
| **4xx/5xx** | Transaction failure | |

10.4. 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>

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
		
		}

10.5. 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=<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
		}

11. UPI APIs
11.1.   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

					12	12
Token	Unique token is to access this API and is valid for 60 days from generation date.	Yes	string			
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* }

11.2.   Fetch VPA for your Account

Refer 8.2 – Bank Account Summary

11.3.   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",
"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
		}

11.4. 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* }

12.Pay with Points
12.1.   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:
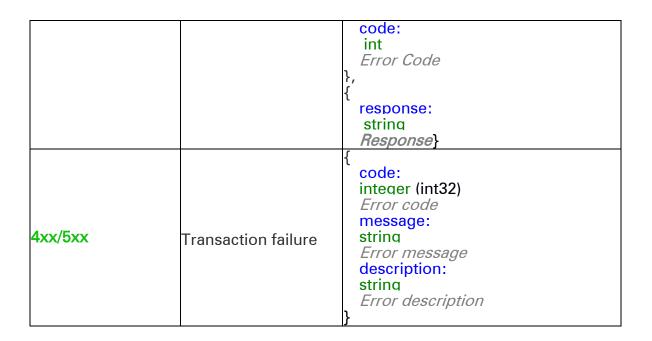
[{

"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
		}

12.2. 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
		}

12.3.　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
		}

13. Credit Cards APIs
13.1. 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

				4	4
CardNo	Last 4 digits of the Card No. The first 12 digits will be pre defined	Yes	String		
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
		}

13.2. 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.

Sample Request:

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
		`}`

13.3. 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:

```json
[
  {
    "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* }

13.4.   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=550000

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	New credit limit	Yes	String	5	5

Limit					

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* }

13.5. 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

				1	1
overseasFlag	Flag for activation/deactivation of Overseas use. (Y / N)	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
},
{
"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* }

13.6.   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

	}

14. Pockets Wallet Related APIs
14.1. 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

14.2. Wallet Creation & Linking

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

 ii.   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.

 iii.   If wallet already exists for the mobile number then same wallet will be linked else user will be redirected to wallet creation flow.

iv. When wallet is created successfully then a success or failure response will be sent to the return URL of merchant along with authorization code.

v. 112

vi. The merchant app will exchange the authorization code with an access token with a server-side POST request.

vii. 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>

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
		
		}

14.3. 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=<Lat itude>&longitude=<Longitude>&imei=<IMEI>&device_id=<Device_Id>&ip_addres s=<IP_Address>&os=<Operating_System>&clientID=<Client_Id>&authToken=<T oken>

Sample Request:

https://pocketsapi.mybluemix.net/rest/Wallet/getWalletBalance?id_type=token&id_val ue=d7e850825e754045955a&auth_type=TOKEN&auth_data=d7e850825e754045955a &latitude=73.8500124&longitude=19.11376955&imei=35550702720000&device_id=1 2345&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_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

				Android/ios/windows	Android/ios/windows
OS	Operating System of Mobile	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"},
{"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
		
		}

14.4. 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>&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_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
		
		}

14.5.   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=<Token>&id_value=<Id_Value>&auth_type=<Token>&auth_data=<Auth_Data>&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_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
		
		}

14.6. 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=<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_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
		
		}

15. Treasury
15.1. 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* }

15.2. 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

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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
		}

15.3. 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=<parti cipant 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.A PPATHON@GMAIL.COM&token=656b872f26e4&custid=33335001&dealno=1&from Date=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
		}

16. Corporate Banking APIs

16.1. 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_acco

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unt_summary?client_id=<participant_id>&token=<access
token>&corpid=<corporate identification>&userid=<User identification>

Sample Request:

https://corporateapiprojectwar.mybluemix.net/corporate_banking/mybank/corp_acco
unt_summary?client_id=ICICI.APPATHON@GMAIL.COM&token=656b872f26e4&corpi
d=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":"13131

3131310"},
{"balance":"6565656","currency":"USD","account_status":"Freeze","account_no":"131313
131311"},
{"balance":"7555111.0","currency":"GBP","account_status":"Active","account_no":"13131
3131314"}]

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
		}

16.2. 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
		}

16.3. 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:

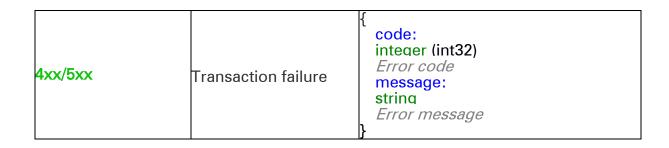| Name	Description	Required	Data type	Min Length	Max Length
Client_id	Participant Email ID given at time of registration.	Yes	string	10	50
Token	Unique token to authenticate participant's every request.	Yes	string	12	12
corpid	Corporate ID is the unique ID given to the corporate (Multiple Accounts can 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
		}

16.4. 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

				12	12
Token	Unique token to authenticate participant's every request.	Yes	string		
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
		}

16.5. 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_utiliza tion_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_utiliza tion_summary?client_id=ICICI.APPATHON@GMAIL.COM&token=656b872f26e4&rm mobile=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
		}

16.6. 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=7920202
020&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_trad
e_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
		}

16.7. 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
$)":"6000000","Transaction_Type":"SMI","Transaction_Count":"300","cust_id":"80808001
01"},
{"Transaction_Agg_Value(inequivalent$)":"500000000","Transaction_Type":"MDC","Tra
nsaction_Count":"500","cust_id":"8080800101"},

{"code":200},

{"Year":"Previous Financial Year Till Date 2016-3-01"}, {"Transaction_Agg_Value(in equivalent
$)":"4900000","Transaction_Type":"SMI","Transaction_Count":"250","cust_id":"80808001
01"},
{"Transaction_Agg_Value(inequivalent$)":"34444422","Transaction_Type":"MDC","Tran
saction_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_Ty
pe":"SMI","Transaction_Count":"22","cust_id":"3030300101"}

{"code":200},

{"Year":"Previous Financial Year Till Date   2016-3-01"},
{"Transaction_Agg_Value(inequivalent$)":"737383822","ucc":"767651","Transaction_Ty
pe":"MUB","Transaction_Count":"100","cust_id":"8080800101"},{"Transaction_Agg_Valu
e(inequivalent$)":"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
		}

16.8. 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":"808080
0101"},
{"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":"808080
0101"},
{"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
		}

16.9. 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

				8	8
corpid	Corporate ID is the unique ID given to the corporate (Multiple Accounts can be linked to the corporate ID)	Yes	Number		
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
		}

17. ICICI Securities APIs

17.1. 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>

Sample Request:

https://securities.mybluemix.net/banking/icici_securities/get_mf_details?client_id=ICICI.APPATHON@GMAIL.COM&token=656b872f26e4&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 }

17.2.   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

				12	12
Token	Unique token to authenticate participant's every request.	Yes	String		
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

				6	20
units	If customer is selling, mandatory to mention units	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 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
		
		}

17.3. 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>

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 }

17.4. 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
		
		}

17.5. 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
		
		}

17.6. 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
		
		}

17.7. 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:

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```
[
{"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"}
]
```
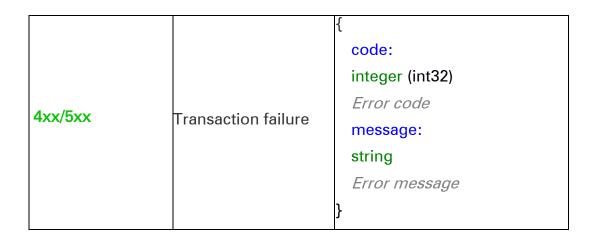
Response parameters details:

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* }

18. ICICI Lombard APIs

18.1. 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
		}

18.2. 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
		}

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18.3. 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/getQuick Quote?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/getQuic kQuote?client_id=ICICI.APPATHON@GMAIL.COM&token=656b872f26e4&custName= Rahul&mobileNo=1234567890&emailId=ICICI.APPATHON@GMAIL.COM&manufactur er=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
Manufactur er	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
		}

19. ICICI Prudential Life Insurance APIs
19.1. 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"

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}

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
		}

19.2.   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=<partici

pant_id>&token=<access token>&cust_id=<customer   identification
   number>&name=<name>&dob=<date
ofbirth>&age=<age>&gender=<gender>&marital_status=<maritalstatus>&nationa
lity=<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.AP
PATHON@GMAIL.COM&token=656b872f26e4&cust_id=33335002&name=Poonam&d
ob=30-08-
1991&age=10&gender=male&marital_status=married&nationality=indian&mobileno
=8097785368&address=mumbai&segment=NRI&nominee_name=gokul&tobacco=y
es

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	Yes	string	1	15

	insurer				
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
		}

19.3. 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","f
und_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","fu
nd_code":"IC20523","fund_unit":"10000","amtdue":"500000","installmentsdue":"100000
","fund_value":"10000","mode_of_payment":"Linked_Account","cust_id":"33335002","fu
nd_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
		
		}

19.4. 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
		}

19.5. 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.."}

2. 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"}

3. 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,"IAResStatCode":"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" }]

19.6. 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.."}

2. 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"}

3. 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"}]

19.7. 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

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.."}

2. 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"}

3. 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","custMobile Num":"8812345678"}]

19.8.   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.."}

2. 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"}

3. 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"}]

19.9. 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.."}

2. 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"}

3. 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}

20. 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