



EZYREC+ API

Integrate with our EZYREC+
A recurring tool to manage your subscription-based business

**APPROVALS**

	Person Incharge	Role	Approved On
1.	Premkumar	Head of Technology	
2.	Sukhbir	Head of Operations	
3.	Baskar	CEO	

VERSION HISTORY:

Ver	Name	Purpose	Released On
1.0	Draft	Draft	21-Jan-2020
1.1	Initial Release		24-Jan-2020

**SERVICE DESCRIPTION:**

	Service Name	Operation
1.	CREATE_CUST	Create the customer
2.	READ_CUST	Read the customer information
3.	UPDATE_CUST	Update the customer information
4.	CREATE_PLAN	Create the payment plan
5.	READ_PLAN	Read the payment plan
6.	UPDATE_PLAN	Update the payment plan
7.	ADD_CARD	Add a card
8.	READ_CARD	Read added card
9.	ADD_SUBSCRIPTION	Add a subscription for the customer
10.	READ_SUBSCRIPTION	Read all subscriptions under the customer
11.	HOLD_SUBSCRIPTION	Hold a subscription
12.	RESUME_SUBSCRIPTION	Resume/Unhold a subscription
13.	READ_INVOICE	Read all the invoices
14.	READ_TRANSACTIONS	Read all the transactions
15.	READ_FORECAST	Read all the upcoming transactions
16.	RETRY_TRANSACTION	Retry a failed transaction
17.	PRE_AUTH_SMS	Send a pre-auth SMS to add card.

URL:

	Environment	URL
1.	Staging	https://ezyrecapi.mobiversa.com/api/recplus
2.	Live	----TO BE SHARED LATER-----

HEADERS:

	Name	Description	Type	Mandatory
1.	mobiApiKey	API Key provided by Mobiversa upon successful approval of Merchant application	VARCHAR (100)	v
2.	username	username provided by Mobiversa upon successful approval of Merchant Application	VARCHAR (100)	v



1. CREATE CUST

REQUEST

```
{
  service:"CREATE_CUST",
  CustomerId:"K9961402",
  CustomerName:"MOHAMMED NOORUL ILAHI",
  PhoneNumber:"01133570750",
  Email:"mohammed@mobiversa.com",
  Address:"mobiversa sdn bhd, damansara heights, kuala lumpur, malaysia"
}
```

	Name	Description	Type	Mandatory
1.	Address	Address of the customer.	VARCHAR (100)	X
2.	CustomerId	Customer ID should be the identifier for a customer. It can be anything like NRIC, Passport, Membership ID etc.	VARCHAR (50)	√
3.	CustomerName	Name of the customer	VARCHAR (50)	√
4.	Email	Email to which the customer wish to receive receipts from Mobiversa	VARCHAR (50)	√
5.	State	State which the customer address belongs to (Refer to Appendix)	INT	X
6.	PostalCode	Postal Code of the customer address belongs to.	VARCHAR (10)	X
7.	Country	Country to which the customer belongs. (Refer to Appendix)	INT	X
8.	PhoneNumber	Phone number to which the customer wish to receive messages from Mobiversa	VARCHAR (50)	√
9.	Service	Name of the function/Web Service	VARCHAR (20)	√

RESPONSE

```
{
  "responseCode": "0000",
  "responseMessage": "SUCCESSFUL",
  "responseDescription": "Customer data inserted successfully",
  "responseData": {
    "Id": 117,
    "CustomerId": "K9961402",
    "CustomerName": "MOHAMMED NOORUL ILAHI",
    "CreatedOn": "2020-01-17T17:25:02.1682018+08:00",
    "Active": "1",
    "PhoneNumber": "01133570750",
    "Email": "mohammed@mobiversa.com",
    "Address": "mobiversa sdn bhd, damansara heights, kuala lumpur, malaysia",
    "State": 0,
    "PostalCode": "",
    "Country": 0
  }
}
```

	Name	Description	Type	Mandatory
1.	responseCode	Response code for the API call 0000- Successful, 0001- Failure	VARCHAR (4)	√



2.	responseMessage	Response Message for the API call. SUCCESSFUL/FAILURE	VARCHAR (10)	√
3.	responseDescription	Full response message for the API call. It will carry the reason of failure, successful count etc.	VARCHAR (100)	√
4.	responseData	Data received	CLASS	√ Success X Failure
responseData class have the following data				
4a.	Active	Status of the customer.	INT	√ Success X Failure
4b.	Address	Address of the customer.	VARCHAR (100)	√ Success X Failure
4c.	Country	Country to which the customer belongs. (Refer to Appendix)	INT	√ Success X Failure
4d.	CreatedOn	Created time of the customer	DATETIME	√ Success X Failure
4e.	CustomerId	Customer ID should be the identifier for a customer. It can be anything like NRIC, Passport, Membership ID etc.	VARCHAR (50)	√ Success X Failure
4f.	CustomerName	Name of the customer	VARCHAR (50)	√ Success X Failure
4g.	Email	Email to which the customer wish to receive receipts from Mobiversa	VARCHAR (50)	√ Success X Failure
4h.	ID	Unique ID to perform CRUD operations in future	INT	√ Success X Failure
4i.	PhoneNumber	Phone number to which the customer wish to receive messages from Mobiversa	VARCHAR (50)	√ Success X Failure
4j.	PostalCode	Postal Code of the customer address belongs to.	VARCHAR (10)	√ Success X Failure
4k.	State	State which the customer address belongs to (Refer to Appendix)	INT	√ Success X Failure

2. READ_CUST

REQUEST

	Name	Description	Type	Mandatory
1.	Service	Name of the function/Web Service	VARCHAR (20)	√
<pre>{ service:"READ_CUST" }</pre>				

RESPONSE

	Name	Description	Type	Mandatory
1.	responseCode	Response code for the API call 0000- Successful, 0001- Failure	VARCHAR (4)	√
2.	responseMessage	Response Message for the API call. SUCCESSFUL/FAILURE	VARCHAR (10)	√
3.	responseDescription	Full response message for the API call. It will carry the reason of failure, successful count etc.	VARCHAR (100)	√



4.	responseData	Data received	CLASS	√ Success X Failure
responseData class have the following data				
4a.	customerList	List Of customers	ARRAY	√ Success X Failure
4a.1	ID	Unique ID to perform CRUD operations in future	INT	√ Success X Failure
4a.2	CustomerId	Customer ID should be the identifier for a customer. It can be anything like NRIC, Passport, Membership ID etc.	VARCHAR (50)	√ Success X Failure
4a.3	CustomerName	Name of the customer	VARCHAR (50)	√ Success X Failure
4a.4	CreatedOn	Created time of the customer	DATETIME	√ Success X Failure
4a.5	Active	Status of the customer.	INT	√ Success X Failure
4a.6	PhoneNumber	Phone number to which the customer wish to receive messages from Mobiversa	VARCHAR (50)	√ Success X Failure
4a.7	Email	Email to which the customer wish to receive receipts from Mobiversa	VARCHAR (50)	√ Success X Failure
4a.8	SMSSentDate	Pre-Auth SMS sent date.	DATETIME	√ Success X Failure
4a.9	Address	Address of the customer.	VARCHAR (100)	√ Success X Failure
4a.10	State	State which the customer address belongs to (Refer to Appendix)	INT	√ Success X Failure
4a.11	StateName	Name of state	VARCHAR (50)	√ Success X Failure
4a.12	PostalCode	Postal Code of the customer address belongs to.	VARCHAR (10)	√ Success X Failure
4a.13	Country	Country to which the customer belongs. (Refer to Appendix)	INT	√ Success X Failure
4a.14	CountryName	Name of country	VARCHAR (50)	√ Success X Failure

```
{
  "responseCode": "0000",
  "responseMessage": "SUCCESSFUL",
  "responseDescription": "1 CUSTOMER FOUND",
  "responseData": {
    "customerList": [
      {
        "Id": 118,
        "CustomerId": "K9961403",
        "CustomerName": "MOHAMMED NOORUL ILAHI",
        "CreatedOn": "2020-01-17T00:00:00",
        "Active": "1",
        "PhoneNumber": "01133570750",
        "Email": "mohammed@mobiversa.com",
        "SMSSentDate": "0001-01-01T00:00:00",
        "Address": "",
        "State": 0,
      }
    ]
  }
}
```



```
        "StateName": "",
        "PostalCode": "",
        "Country": 0,
        "CountryName": ""
    }
}
}
```

3. UPDATE_CUST

REQUEST

```
{
  service:"UPDATE_CUST",
  Id: 118,
  CustomerId:"K9961403",
  CustomerName:"MOHAMMED NOORUL ILAHI",
  PhoneNumber:"01133570750",
  Email:"mohammed@mobiversa.com",
  Address:"Menara Shell, KL Sentral",
  Status:"1",
}
```

	Name	Description	Type	Mandatory
1.	Address	Address of the customer.	VARCHAR (100)	X
2.	CustomerId	Customer ID should be the identifier for a customer. It can be anything like NRIC, Passport, Membership ID etc.	VARCHAR (50)	√
3.	CustomerName	Name of the customer	VARCHAR (50)	√
4.	Email	Email to which the customer wish to receive receipts from Mobiversa	VARCHAR (50)	√
5.	State	State which the customer address belongs to (Refer to Appendix)	INT	X
6.	PostalCode	Postal Code of the customer address belongs to.	VARCHAR (10)	X
7.	Country	Country to which the customer belongs. (Refer to Appendix)	INT	X
8.	PhoneNumber	Phone number to which the customer wish to receive messages from Mobiversa	VARCHAR (50)	√
9.	Service	Name of the function/Web Service	VARCHAR (20)	√
10.	Status	1- Active, 0- Inactive	INT	√
11.	ID	Unique ID to perform CRUD operations in future (received for the CREATE_CUST service response)	INT	√

RESPONSE:

```
{
  "responseCode": "0000",
  "responseMessage": "SUCCESSFUL",
  "responseDescription": "CUSTOMER DATA UPDATED SUCCESSFULLY",
}
```



```

"responseData": {
  "Id": 118,
  "CustomerId": "K9961403",
  "CustomerName": "MOHAMMED NOORUL ILAHI",
  "CreatedOn": "2020-01-17T17:53:44.5932018+08:00",
  "Active": "1",
  "PhoneNumber": "01133570750",
  "Email": "mohammed@mobiversa.com",
  "Address": "Menara Shell, KL Sentral",
  "State": 0,
  "PostalCode": "",
  "Country": 0
}
}

```

	Name	Description	Type	Mandatory
1.	responseCode	Response code for the API call 0000- Successful, 0001- Failure	VARCHAR (4)	√
2.	responseMessage	Response Message for the API call. SUCCESSFUL/FAILURE	VARCHAR (10)	√
3.	responseDescription	Full response message for the API call. It will carry the reason of failure, successful count etc.	VARCHAR (100)	√
4.	responseData	Data received	CLASS	√ Success X Failure
responseData class have the following data				
4a.	Active	Status of the customer.	INT	√ Success X Failure
4b.	Address	Address of the customer.	VARCHAR (100)	√ Success X Failure
4c.	Country	Country to which the customer belongs. (Refer to Appendix)	INT	√ Success X Failure
4d.	CreatedOn	Created time of the customer	DATETIME	√ Success X Failure
4e.	CustomerId	Customer ID should be the identifier for a customer. It can be anything like NRIC, Passport, Membership ID etc.	VARCHAR (50)	√ Success X Failure
4f.	CustomerName	Name of the customer	VARCHAR (50)	√ Success X Failure
4g.	Email	Email to which the customer wish to receive receipts from Mobiversa	VARCHAR (50)	√ Success X Failure
4h.	ID	Unique ID to perform CRUD operations in future	INT	√ Success X Failure
4i.	PhoneNumber	Phone number to which the customer wish to receive messages from Mobiversa	VARCHAR (50)	√ Success X Failure
4j.	PostalCode	Postal Code of the customer address belongs to.	VARCHAR (10)	√ Success X Failure
4k.	State	State which the customer address belongs to (Refer to Appendix)	INT	√ Success X Failure



4. CREATE PLAN

REQUEST

```
{
  service:"CREATE_PLAN",
  Amount: 11.80,
  Frequency:1,
  NameOfThePlan:"APIREC",
  NoOfPayments:"6",
  Description:"This plan is to test EZYREC+ API",
}
```

	Name	Description	Type	Mandatory
1.	Amount	Amount to be charged	DECIMAL	√
2.	NoOfPayments	Number of payments/Number of times the card should be charged under this plan	INT	√
3.	Frequency	Frequency in which the Payment plan should run. (Refer to Appendix)	INT	√
4.	NameOfThePlan	Name of the plan	VARCHAR (50)	√
5.	Service	Name of the function/Web Service	VARCHAR (20)	√
6.	Description	A description/note about the payment plan	VARCHAR (200)	X

RESPONSE:

```
{
  "responseCode": "0000",
  "responseMessage": "SUCCESSFUL",
  "responseDescription": "PAYMENT PLAN CREATED SUCCESSFULLY",
  "responseData": {
    "Id": 75,
    "NameOfThePlan": "APIREC",
    "CreatedOn": "2020-01-17T18:18:16.3732018+08:00",
    "Status": "1",
    "Amount": 11.8,
    "Frequency": 1,
    "Description": "This plan is to test EZYREC+ API",
    "NoOfPayments": 6
  }
}
```

	Name	Description	Type	Mandatory
1.	responseCode	Response code for the API call 0000- Successful, 0001- Failure	VARCHAR (4)	√
2.	responseMessage	Response Message for the API call. SUCCESSFUL/FAILURE	VARCHAR (10)	√
3.	responseDescription	Full response message for the API call. It will carry the reason of failure, successful count etc.	VARCHAR (100)	√
4.	responseData	Data received	CLASS	√ Success X Failure
responseData class have the following data				
4a.	Status	Status of the plan.	INT	√ Success



				X Failure
4b.	NameOfThePlan	Name of the plan.	VARCHAR (100)	√ Success X Failure
4c.	CreatedOn	Created time of the plan	DATETIME	√ Success X Failure
4d.	ID	Unique ID to perform CRUD operations in future	INT	√ Success X Failure
4e.	Amount	Amount to be charged	DECIMAL	√ Success X Failure
4f.	Frequency	Frequency in which the Payment plan should run. (Refer to Appendix)	INT	√ Success X Failure
4g.	Description	A description/note about the payment plan	VARCHAR (200)	√ Success X Failure
4h.	NoOfPayment	Number of payments/Number of times the card should be charged under this plan	INT	√ Success X Failure

5. READ PLAN

REQUEST

```
{
  service:"READ_PLAN"
}
```

	Name	Description	Type	Mandatory
1.	Service	Name of the function/Web Service	VARCHAR (20)	√

RESPONSE

```
{
  "responseCode": "0000",
  "responseMessage": "SUCCESSFUL",
  "responseDescription": "PAYMENT PLAN LIST RETRIEVED SUCCESSFULLY",
  "responseData": {
    "planList": [
      {
        "Id": 14,
        "NameOfThePlan": "abc",
        "CreatedOn": "2019-07-22T00:00:00",
        "UpdatedOn": "2019-08-27T00:00:00",
        "Status": "1",
        "Amount": 100.00,
        "Frequency": 1,
        "FrequencyName": "1/Daily",
        "Description": "",
        "NoOfPayments": 36,
        "DisplayFrequency": "Daily"
      }
    ]
  }
}
```

	Name	Description	Type	Mandatory
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1.	responseCode	Response code for the API call 0000- Successful, 0001- Failure	VARCHAR (4)	√
2.	responseMessage	Response Message for the API call. SUCCESSFUL/FAILURE	VARCHAR (10)	√
3.	responseDescription	Full response message for the API call. It will carry the reason of failure, successful count etc.	VARCHAR (100)	√
4.	responseData	Data received	CLASS	√ Success X Failure
responseData class have the following data				
4a.	planList	List Of customers	ARRAY	√ Success X Failure
4a.1	NameOfThePlan	Name of the plan.	VARCHAR (100)	√ Success X Failure
4a.2	CreatedOn	Created time of the plan	DATETIME	√ Success X Failure
4a.3	ID	Unique ID to perform CRUD operations in future	INT	√ Success X Failure
4a.4	Amount	Amount to be charged	DECIMAL	√ Success X Failure
4a.5	Frequency	Frequency in which the Payment plan should run. (Refer to Appendix)	INT	√ Success X Failure
4a.6	Description	A description/note about the payment plan	VARCHAR (200)	√ Success X Failure
4a.7	NoOfPayments	Number of payments/Number of times the card should be charged under this plan	INT	√ Success X Failure
4a.8	displayFrequency	Frequency name	VARCHAR (50)	√ Success X Failure
4a.9	UpdatedOn	Update time of the plan	DATETIME	√ Success X Failure
4a.10	Status	Status of the plan.	INT	√ Success X Failure

6. UPDATE PLAN

REQUEST

```
{
  service: "UPDATE_PLAN",
  NameOfThePlan: "APIREC+",
  Description: "This plan is to test EZYREC+ API",
  Status: "1",
  ID: 74
}
```

	Name	Description	Type	Mandatory
1.	Status	Status of the plan 1- Active 0- Inactive	INT	√
2.	NameOfThePlan	Name of the plan	VARCHAR (50)	√
3.	Service	Name of the function/Web Service	VARCHAR (20)	√



4.	Description	A description/note about the payment plan	VARCHAR (200)	X
5.	ID	Unique ID to perform CRUD operations in future (Received during payment plan creation)	INT	√

RESPONSE

```
{
  "responseCode": "0000",
  "responseMessage": "SUCCESSFUL",
  "responseDescription": "PAYMENT PLAN DATA UPDATED SUCCESSFULLY",
  "responseData": {
    "Id": 74,
    "UpdatedOn": "2020-01-20T10:39:43.343601+08:00",
    "Status": "1",
    "Description": "This plan is to test EZYREC+ API",
    "NameOfThePlan": "APIREC+"
  }
}
```

	Name	Description	Type	Mandatory
1.	responseCode	Response code for the API call 0000- Successful, 0001- Failure	VARCHAR (4)	√
2.	responseMessage	Response Message for the API call. SUCCESSFUL/FAILURE	VARCHAR (10)	√
3.	responseDescription	Full response message for the API call. It will carry the reason of failure, successful count etc.	VARCHAR (100)	√
4.	responseData	Data received	CLASS	√ Success X Failure
responseData class have the following data				
4a.	Status	Status of the plan.	INT	√ Success X Failure
4b.	NameOfThePlan	Name of the plan.	VARCHAR (100)	√ Success X Failure
4c.	UpdatedOn	Created time of the plan	DATETIME	√ Success X Failure
4d.	ID	Unique ID to perform CRUD operations in future	INT	√ Success X Failure
4e.	Description	A description/note about the payment plan	VARCHAR (200)	√ Success X Failure

7. ADD CARD**REQUEST**

```
{
  service:"ADD_CARD",
  CustomerId:"118",
  CardNumber:"5541221145872998",
  CardHolderName:"Mobiversa",
  ExpiryDateYear: 2021,
  ExpiryDateMonth: 02
}
```



}

	Name	Description	Type	Mandatory
1.	Status	Status of the plan 2- Active 1- Inactive	INT	√
2.	NameOfThePlan	Name of the plan	VARCHAR (50)	√
3.	Service	Name of the function/Web Service	VARCHAR (20)	√
4.	Description	A description/note about the payment plan	VARCHAR (200)	X
5.	ID	Unique ID to perform CRUD operations in future (Received during payment plan creation)	INT	√

RESPONSE:

```
{
  "responseCode": "0000",
  "responseMessage": "SUCCESSFUL",
  "responseDescription": "CARD ADDED SUCCESSFULLY",
  "responseData": {
    "customerId": "0",
    "maskedPan": "491891ffffff5005",
    "expDate": {
      "expDateMonth": "12",
      "expDateYear": "2020",
      "expDate": "2012"
    },
    "cardHolderName": "Mobiversa",
    "cardId": "0",
    "cardBrand": "",
    "bankName": "CITIC BANK INTERNATIONAL, LTD.",
    "cardType": "credit"
  }
}
```

	Name	Description	Type	Mandatory
1.	responseCode	Response code for the API call 0000- Successful, 0001- Failure	VARCHAR (4)	√
2.	responseMessage	Response Message for the API call. SUCCESSFUL/FAILURE	VARCHAR (10)	√
3.	responseDescription	Full response message for the API call. It will carry the reason of failure, successful count etc.	VARCHAR (100)	√
4.	responseData	Data received	CLASS	√ Success X Failure
responseData class have the following data				
4a.	bankName	Name of the card issuing bank.	VARCHAR (100)	√ Success X Failure
4b.	cardBrand	Name of the Card Brand.	VARCHAR (100)	√ Success X Failure
4c.	cardHolderName	Card Holder Name	VARCHAR (100)	√ Success X Failure



4d.	cardId	Unique ID to perform CRUD operations in future	INT	√ Success X Failure
4e.	cardType	Type of card (credit/debit)	VARCHAR (20)	√ Success X Failure
4f.	customerId	Customer ID	INT	√ Success X Failure
4g.	expDate	Expiry date of the card	VARCHAR (10)	√ Success X Failure
4h.	maskedPan	Masked card number	VARCHAR (20)	√ Success X Failure

8. READ CARD

REQUEST

```
{
  service:"READ_CARD",
  CustomerId:"31"
}
```

	Name	Description	Type	Mandatory
1.	Service	Name of the function/Web Service	VARCHAR (20)	√
2.	CustomerID	Unique ID to perform CRUD operations in future (Received during customer creation)	INT	√

RESPONSE:

```
{
  "responseCode": "0000",
  "responseMessage": "SUCCESSFUL",
  "responseDescription": "CARD LIST RETRIEVED SUCCESSFULLY",
  "responseData": {
    "cardList": [
      {
        "Id": 18,
        "SourceName": "EZYREC+ API",
        "CustomerId": 31,
        "PhoneNumber": "0199880838",
        "AddedOn": "2019-07-24T00:00:00",
        "MaskedCard": "5509 XXXX XXXX 0259",
        "CardHolderName": "Anson Leo...",
        "CardBrand": "mastercard",
        "ExpiryDate": "05/2020",
        "CardType": "debit",
        "noOfSubscriptionUnderThisCard": 1
      }
    ]
  }
}
```

	Name	Description	Type	Mandatory
1.	responseCode	Response code for the API call 0000- Successful, 0001- Failure	VARCHAR (4)	√



2.	responseMessage	Response Message for the API call. SUCCESSFUL/FAILURE	VARCHAR (10)	√
3.	responseDescription	Full response message for the API call. It will carry the reason of failure, successful count etc.	VARCHAR (100)	√
4.	responseData	Data received	CLASS	√ Success X Failure
responseData class have the following data				
4a.	cardList	List Of cards	ARRAY	√ Success X Failure
4a.1	ID	Unique ID to perform CRUD operations in future	INT	√ Success X Failure
4a.2	sourceName	Source from which the card has been added (EZYREC+, EZYREC+ API, Pre-Auth Link)	VARCHAR (30)	√ Success X Failure
4a.3	customerId	Unique ID to perform CRUD operations in future (Received during customer addition)	INT	√ Success X Failure
4a.4	phoneNumber	Phone Number of the customer	VARCHAR (100)	√ Success X Failure
4a.5	AddedOn	Card Added On	DATETIME	√ Success X Failure
4a.6	maskedCard	Masked card number	VARCHAR (20)	√ Success X Failure
4a.7	cardHolderName	Name Of the card holder	VARCHAR (20)	√ Success X Failure
4a.8	cardBrand	Name of the Card Brand.	VARCHAR (100)	√ Success X Failure
4a.9	expiryDate	Expiry date of the card	VARCHAR (20)	√ Success X Failure
4a.10	cardType	Type of card (credit/debit)	VARCHAR (20)	√ Success X Failure
4a.11	noOfSubscriptionUnderThisCard	Number of subscriptions mapped under this card	INT	√ Success X Failure

9. ADD SUBSCRIPTION

REQUEST

```
{
  service:"ADD_SUBSCRIPTION",
  CustomerId:"31",
  PaymentPlan:"62",
  StartDate:"2020-01-20",
  CardId:"18",
  Reference:"RECPLUS API TEST SUBSCRIPTION"
}
```

	Name	Description	Type	Mandatory
1.	Service	Name of the function/Web Service	VARCHAR (20)	√
2.	CustomerID	Unique ID to perform CRUD operations in future (Received during customer creation)	INT	√



3	PaymentPlan	Unique ID to perform CRUD operations in future (Received during payment plan creation)	INT	√
4.	StartDate	Subscription Start Date	DATETIME	√
5.	CardID	Unique ID to perform CRUD operations in future (Received during card addition)	INT	√
6.	Reference	Reference for the subscription	VARCHAR (100)	X

RESPONSE:

```
{
  "responseCode": "0000",
  "responseMessage": "SUCCESSFUL",
  "responseDescription": "PAYMENT PLAN CREATED SUCCESSFULLY",
  "responseData": {
    "ID": 29,
    "CreatedOn": "2020-01-20T14:49:05.763601+08:00",
    "CustomerID": "31",
    "PaymentPlan": 62,
    "CardID": 18,
    "DynamicPlanStartDate": "20/1/2020 12:00:00 AM",
    "Reference": ""
  }
}
```

	Name	Description	Type	Mandatory
1.	responseCode	Response code for the API call 0000- Successful, 0001- Failure	VARCHAR (4)	√
2.	responseMessage	Response Message for the API call. SUCCESSFUL/FAILURE	VARCHAR (10)	√
3.	responseDescription	Full response message for the API call. It will carry the reason of failure, successful count etc.	VARCHAR (100)	√
4.	responseData	Data received	CLASS	√ Success X Failure
responseData class have the following data				
4a.	ID	Unique ID to perform CRUD operations in future	INT	√ Success X Failure
4b.	CreatedOn	Created Date of the subscription	DATETIME	√ Success X Failure
4c.	CustomerID	Customer ID	INT	√ Success X Failure
4d.	PaymentPlan	Payment Plan ID	INT	√ Success X Failure
4e.	CardID	Card ID	INT	√ Success X Failure
4f.	DynamicPlanStartDate	Start Date of the subscription	DATETIME	√ Success X Failure
4h.	Reference	Reference for the subscription	VARCHAR (20)	√ Success X Failure



10. READ SUBSCRIPTION

REQUEST

```
{
  service: "READ_SUBSCRIPTION",
  CustomerId:"31"
}
```

	Name	Description	Type	Mandatory
1.	Service	Name of the function/Web Service	VARCHAR (20)	√
2.	CustomerID	Unique ID to perform CRUD operations in future (Received during customer creation)	INT	√

RESPONSE

```
{
  "responseCode": "0000",
  "responseMessage": "SUCCESSFUL",
  "responseDescription": "SUBSCRIPTION LIST RETRIEVED SUCCESSFULLY",
  "responseData": {
    "subscriptionList": [
      {
        "ID": 21,
        "CreatedOn": "2019-10-07T18:04:56",
        "CustomerID": "31",
        "PaymentPlan": 62,
        "CardID": 18,
        "Active": "0",
        "DynamicPlanStartDate": "2019-12-10T00:00:00",
        "Reference": "",
        "LastHoldDate": "2020-01-08T15:48:44",
        "LastResumeDate": "0001-01-01T00:00:00",
        "HoldReason": "the end of subscription",
        "InvoiceCount": 0,
        "CustomerName": "Anson",
        "CardHolderName": "Anson Leong",
        "CardBrand": "mastercard",
        "MaskedCard": "5509 XXXX XXXX 0259",
        "NameOfThePlan": "002",
        "Amount": 150.00,
        "FrequencyName": "Half-Yearly"
      }
    ]
  }
}
```

	Name	Description	Type	Mandatory
1.	responseCode	Response code for the API call 0000- Successful, 0001- Failure	VARCHAR (4)	√
2.	responseMessage	Response Message for the API call. SUCCESSFUL/FAILURE	VARCHAR (10)	√
3.	responseDescription	Full response message for the API call. It will carry the reason of failure, successful count	VARCHAR (100)	√



4.	responseData	Data received	CLASS	√ Success X Failure
responseData class have the following data				
4a.	subscriptionList	List of Subscriptions	ARRAY	√ Success X Failure
4a.1	ID	Unique ID to perform CRUD operations in future	INT	√ Success X Failure
4a.2	CreatedOn	Created time of the subscription	DATETIME	√ Success X Failure
4a.3	CustomerID	Customer ID	INT	√ Success X Failure
4a.4	PaymentPlan	Payment Plan ID	INT	√ Success X Failure
4a.5	CardID	Card ID	INT	√ Success X Failure
4a.6	Active	Status of the plan	INT	√ Success X Failure
4a.7	DynamicPlanStartDate	Start date of the subscription	VARCHAR (20)	√ Success X Failure
4a.8	Reference	Reference of the subscription	VARCHAR (100)	√ Success X Failure
4a.9	LastHoldDate	Last Hold Date of the subscription	VARCHAR (20)	√ Success X Failure
4a.10	LastResumeDate	Last resume date of the subscription	VARCHAR (20)	√ Success X Failure
4a.11	HoldReason	Hold Reason	INT	√ Success X Failure
4a.12	InvoiceCount	Number of invoices	INT	√ Success X Failure
4a.13	CustomerName	Name of the customer	VARCHAR (100)	√ Success X Failure
4a.14	CardHolderName	Card Holder Name	VARCHAR (100)	√ Success X Failure
4a.15	CardBrand	Card brand of the card mapped to this subscription	VARCHAR (40)	√ Success X Failure
4a.16	MaskedCard	Masked Card	VARCHAR (20)	√ Success X Failure
4a.17	NameOfThePlan	Name of the plan	VARCHAR (40)	√ Success X Failure
4a.18	Amount	Amount of the plan	DECIMAL	√ Success X Failure
4a.19	FrequencyName	Frequency of charging	VARCHAR (20)	√ Success X Failure

11. HOLD_SUBSCRIPTION

REQUEST

```
{
  service: "HOLD_SUBSCRIPTION",
  SubscriptionId:"21",
  HoldReason:"Customer Terminated"
}
```



	Name	Description	Type	Mandatory
1.	Service	Name of the function/Web Service	VARCHAR (20)	√
2.	SubscriptionID	Unique ID to perform CRUD operations in future (Received during subscription creation)	INT	√
3.	HoldReason	Reason for Hold	VARCHAR (200)	X

RESPONSE:

```
{
  "responseCode": "0000",
  "responseMessage": "SUCCESSFUL",
  "responseDescription": "HOLD SUBSCRIPTION SUCCESSFUL",
  "responseData": ""
}
```

1.	responseCode	Response code for the API call 0000- Successful, 0001- Failure	VARCHAR (4)	√
2.	responseMessage	Response Message for the API call. SUCCESSFUL/FAILURE	VARCHAR (10)	√
3.	responseDescription	Full response message for the API call. It will carry the reason of failure, successful count etc.	VARCHAR (100)	√
4.	responseData	Data received	CLASS	√ Success X Failure

12. RESUME SUBSCRIPTION**REQUEST**

```
{
  service: "RESUME_SUBSCRIPTION",
  SubscriptionId:"21"
}
```

	Name	Description	Type	Mandatory
1.	Service	Name of the function/Web Service	VARCHAR (20)	√
2.	SubscriptionID	Unique ID to perform CRUD operations in future (Received during subscription creation)	INT	√

RESPONSE:

```
{
  "responseCode": "0000",
  "responseMessage": "SUCCESSFUL",
  "responseDescription": "RESUME SUBSCRIPTION SUCCESSFUL",
  "responseData": ""
}
```

1.	responseCode	Response code for the API call 0000- Successful, 0001- Failure	VARCHAR (4)	√
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2.	responseMessage	Response Message for the API call. SUCCESSFUL/FAILURE	VARCHAR (10)	√
3.	responseDescription	Full response message for the API call. It will carry the reason of failure, successful count etc.	VARCHAR (100)	√
4.	responseData	Data received	CLASS	√ Success X Failure

13. READ INVOICE

REQUEST

```
{
  service: "READ_INVOICE"
}
```

	Name	Description	Type	Mandatory
1.	Service	Name of the function/Web Service	VARCHAR (20)	√

RESPONSE:

```
{
  "responseCode": "0000",
  "responseMessage": "SUCCESSFUL",
  "responseDescription": "INVOICE LIST RETRIEVED SUCCESSFULLY",
  "responseData": {
    "invoiceList": [
      {
        "Id": 4,
        "InvoiceName": "August/2019/1/4",
        "CustomerId": 1,
        "MerchantCustomerId": "MYMV0027",
        "CustomerName": "MOHAMMED",
        "Amount": 125.00,
        "Email": "asyraf@mobiversa.com",
        "PhoneNumber": "0122908627",
        "MaskedCard": "4862 XXXX XXXX 3952",
        "CardHolderName": "ASYRAF",
        "InvoiceDate": "2019-10-23T00:00:00",
        "InvoiceMonth": 6,
        "InvoiceYear": 2019,
        "Paid": "0",
        "PaidManually": "0",
        "SuccessfulPaymentDate": "2019-08-23T00:00:00",
        "TransactionID": "1907250714995320000012000000000790",
        "LastTryDate": "2019-11-22T00:00:00",
        "TodayRetries": 0,
        "AllRetries": 9
      }
    ]
  }
}
```

	Name	Description	Type	Mandatory
1.	responseCode	Response code for the API call 0000- Successful, 0001- Failure	VARCHAR (4)	√



2.	responseMessage	Response Message for the API call. SUCCESSFUL/FAILURE	VARCHAR (10)	√
3.	responseDescription	Full response message for the API call. It will carry the reason of failure, successful count etc.	VARCHAR (100)	√
4.	responseData	Data received	CLASS	√ Success X Failure
responseData class have the following data				
4a.	invoiceList	List of Invoices	ARRAY	√ Success X Failure
4a.1	ID	Unique ID to perform CRUD operations in future	INT	√ Success X Failure
4a.2	InvoiceName	Name of the invoice	VARCHAR (100)	√ Success X Failure
4a.3	CustomerID	Customer ID	INT	√ Success X Failure
4a.4	MerchantCustomerID	Merchant's customer ID	VARCHAR (100)	√ Success X Failure
4a.5	CustomerName	Customer Name	VARCHAR (100)	√ Success X Failure
4a.6	Amount	Amount to be paid	DECIMAL	√ Success X Failure
4a.7	Email	Email of the customer	VARCHAR (100)	√ Success X Failure
4a.8	PhoneNumber	Phone number of the customer	VARCHAR (100)	√ Success X Failure
4a.9	MaskedCard	Masked Card	VARCHAR (20)	√ Success X Failure
4a.10	CardHolderName	Card Holder Name	VARCHAR (100)	√ Success X Failure
4a.11	InvoiceDate	Invoice Date	DATETIME	√ Success X Failure
4a.12	InvoiceMonth	Invoice Month	INT	√ Success X Failure
4a.13	InvoiceYear	Invoice Year	INT	√ Success X Failure
4a.14	Paid	Paid Status 1- Paid, 0- Unpaid	INT	√ Success X Failure
4a.15	SuccessfulPaymentDate	Masked Card	DATETIME	√ Success X Failure
4a.16	TransactionID	Transaction ID	VARCHAR (40)	√ Success X Failure
4a.17	LastTryDate	Last Tried date	DATETIME	√ Success X Failure
4a.18	TodayRetries	Number of retries today	INT	√ Success X Failure
4a.19	AllRetries	Number of retries overall	INT	√ Success X Failure

14. READ TRANSACTIONS

REQUEST



```
{
  service: "READ_TRANSACTIONS",
  InvoiceId: "1"
}
```

	Name	Description	Type	Mandatory
1.	Service	Name of the function/Web Service	VARCHAR (20)	√
2.	InvoiceID	Invoice ID for which the transactions to be retrieved	INT	√

RESPONSE:

```
{
  "responseCode": "0000",
  "responseMessage": "SUCCESSFUL",
  "responseDescription": "TRANSACTION LIST RETRIEVED SUCCESSFULLY",
  "responseData": {
    "transactionList": [
      {
        "Id": 1,
        "TransactionDate": "2019-07-04T00:00:00",
        "Amount": 50.00,
        "TransactionID": "190704071310932000001200000000731",
        "RRN": "",
        "Trace": "000731",
        "Date": "04-Jul-2019",
        "Time": "13:47",
        "ApproveCode": "000016",
        "CardNo": "XXXX 7B43",
        "TC": "32000001000731",
        "BatchNo": "7",
        "CardHolderName": "mohammed",
        "TransactionType": "SALE",
        "InvoiceName": "Jun/2019/1/1",
        "CustomerID": "1",
        "MobileNo": "01133570750",
        "Email": "prem Kumar1@mobiversa.com",
        "InvoiceID": "1"
      }
    ]
  }
}
```

	Name	Description	Type	Mandatory
1.	responseCode	Response code 0000- Successful, 0001- Failure	VARCHAR (4)	√
2.	responseMessage	Response Message for the API call. SUCCESSFUL/FAILURE	VARCHAR (10)	√
3.	responseDescription	Full response message for the API call. It will carry the reason of failure, successful count etc.	VARCHAR (100)	√
4.	responseData	Data received	CLASS	√ Success X Failure

responseData class have the following data



4a.	transactionList	List of Transactions	ARRAY	√ Success X Failure
4a.1	ID	Unique ID to perform CRUD operations in future	INT	√ Success X Failure
4a.2	CustomerID	Name of the invoice	VARCHAR (100)	√ Success X Failure
4a.3	TransactionDate	Customer ID	INT	√ Success X Failure
4a.4	Amount	Merchant's customer ID	VARCHAR (100)	√ Success X Failure
4a.5	CustomerName	Customer Name	VARCHAR (100)	√ Success X Failure
4a.6	Amount	Amount to be paid	DECIMAL	√ Success X Failure
4a.7	TransactionID	Email of the customer	VARCHAR (100)	√ Success X Failure
4a.8	RRN	RRN of transaction	VARCHAR (20)	√ Success X Failure
4a.9	Trace	Trace of transaction	VARCHAR (100)	√ Success X Failure
4a.10	Date	Date of transaction	DATETIME	√ Success X Failure
4a.11	Time	Time of transaction	VARCHAR (20)	√ Success X Failure
4a.12	ApproveCode	Approve Code	VARCHAR (20)	√ Success X Failure
4a.13	CardNo	Card no used for transaction	VARCHAR (20)	√ Success X Failure
4a.14	TC	TC of transaction	VARCHAR (20)	√ Success X Failure
4a.15	BatchNo	Batch no of settlement	INT	√ Success X Failure
4a.16	CardHolderName	Card Holder Name	VARCHAR (100)	√ Success X Failure
4a.17	TransactionType	Number of retries today	VARCHAR (20)	√ Success X Failure
4a.18	InvoiceName	Invoice Name	VARCHAR (50)	
4a.19	MobileNo	Phone number of the customer	VARCHAR (100)	
4a.20	Email	Email of the customer	VARCHAR (100)	
4a.21	InvoiceID	Invoice ID for the transaction	INT	

15. READ_FORECAST

REQUEST

```
{
  service: "READ_FORECAST"
}
```

	Name	Description	Type	Mandatory
1.	Service	Name of the function/Web Service	VARCHAR (20)	√
2.	Limit	Number of forecast transactions	INT	X



	(Default to 100)		
--	------------------	--	--

RESPONSE:

```
{
  "responseCode": "0000",
  "responseMessage": "SUCCESSFUL",
  "responseDescription": "FORECAST LIST RETRIEVED SUCCESSFULLY",
  "responseData": {
    "forecastList": [
      {
        "UniqueID": 0,
        "next": "2020-01-20T00:00:00",
        "week": "WEEK3",
        "CustomerName": "Aminah",
        "CustomerId": "abc123",
        "Email": "1sukhbirsingh@gmail.com",
        "PhoneNumber": "0163902108",
        "NameOfThePlan": "monthly renewal ",
        "Amount": 90.00,
        "Frequency": "Daily"
      },
      {
        "UniqueID": 1,
        "next": "2020-01-21T00:00:00",
        "week": "WEEK3",
        "CustomerName": "Aminah",
        "CustomerId": "abc123",
        "Email": "1sukhbirsingh@gmail.com",
        "PhoneNumber": "0163902108",
        "NameOfThePlan": "monthly renewal ",
        "Amount": 90.00,
        "Frequency": "Daily"
      }
    ]
  }
}
```

	Name	Description	Type	Mandatory
1.	responseCode	Response code for the API call 0000- Successful, 0001- Failure	VARCHAR (4)	√
2.	responseMessage	Response Message for the API call. SUCCESSFUL/FAILURE	VARCHAR (10)	√
3.	responseDescription	Full response message for the API call. It will carry the reason of failure, successful count etc.	VARCHAR (100)	√
4.	responseData	Data received	CLASS	√ Success X Failure
responseData class have the following data				
4a.	forecastList	List of Forecast	ARRAY	√ Success X Failure
4a.1	UniqueID	Unique ID to perform CRUD operations in future	INT	√ Success X Failure
4a.2	Next	Payment Date	DATETIME	√ Success X Failure



4a.3	Week	Week number of upcoming payment	VARCHAR (10)	√ Success X Failure
4a.4	CustomerName	Name of the customer	VARCHAR (100)	√ Success X Failure
4a.5	CustomerID	Customer ID	VARCHAR (50)	√ Success X Failure
4a.6	Email	Email of the customer	VARCHAR (100)	√ Success X Failure
4a.7	PhoneNumber	Phone number of the customer	VARCHAR (100)	√ Success X Failure
4a.8	NameOfThePlan	Name of the plan, customer subscribed with	VARCHAR (100)	√ Success X Failure
4a.9	Amount	Amount to be paid	DECIMAL	√ Success X Failure
4a.10	Frequency	Frequency of this subscription	VARCHAR (20)	√ Success X Failure

16. RETRY TRANSACTION

REQUEST

```
{
  service: "RETRY_TRANSACTION",
  InvoiceID: 1
}
```

	Name	Description	Type	Mandatory
1.	Service	Name of the function/Web Service	VARCHAR (20)	√
2.	InvoiceID	Invoice ID to retry	INT	√

RESPONSE:

```
{
  "responseCode": "0000",
  "responseMessage": "SUCCESSFUL",
  "responseDescription": "PAYMENT SUCCESSFUL",
  "responseData": {
    "customerId": 1,
    "cardNo": "XXXX 0007",
    "Amount": 50.0,
    "cardHolderName": "mohammed noorul ilahi",
    "Tips": "0.0",
    "Rrn": "000000000014",
    "Aid": "",
    "Trace": "000829",
    "Date": "24-Jan-2020",
    "Time": "15:38",
    "approveCode": "000014",
    "Tc": "32000001000829",
    "trxId": "2001240115285320000012000000000829",
    "invoiceId": "October/2019/1/1",
    "txnType": "EZYREC+ SALE",
    "batchNo": "7"
  }
}
```



1.	responseCode	Response code for the API call 0000- Successful, 0001- Failure	VARCHAR (4)	√
2.	responseMessage	Response Message for the API call. SUCCESSFUL/FAILURE	VARCHAR (10)	√
3.	responseDescription	Full response message for the API call. It will carry the reason of failure, successful count etc.	VARCHAR (100)	√
4.	responseData	Data received	CLASS	√ Success X Failure

17. PRE AUTH SMS

REQUEST

```
{
  service: "PRE_AUTH_SMS",
  CustomerId: 1
}
```

	Name	Description	Type	Mandatory
1.	Service	Name of the function/Web Service	VARCHAR (20)	√
2.	CustomerId	Customer ID to send Pre-Auth SMS	INT	√

RESPONSE:

```
{
  "responseCode": "0000",
  "responseMessage": "SUCCESSFUL",
  "responseDescription": "PRE-AUTH SMS SENT SUCCESSFULLY",
  "responseData": {
    "InvoiceId": "You will be charged at MOBIVERSA for RM1.00 on 18-Jun-2019 16:57.
Click to Confirm payment",
    "Opt": "http://demo.ezywire.com/mo/?sl=zR59E0F834Dgs",
    "CustomerID": "1"
  }
}
```

1.	responseCode	Response code for the API call 0000- Successful, 0001- Failure	VARCHAR (4)	√
2.	responseMessage	Response Message for the API call. SUCCESSFUL/FAILURE	VARCHAR (10)	√
3.	responseDescription	Full response message for the API call. It will carry the reason of failure, successful count etc.	VARCHAR (100)	√
4.	responseData	Data received	CLASS	√ Success X Failure
responseData class have the following data				
4a.	InvoiceID	Content of the SMS sent to the customer	VARCHAR (200)	√ Success X Failure
4b.	Opt	Unique pre-auth link sent to the customer via SMS	VARCHAR (200)	√ Success X Failure
4c.	CustomerID	Customer ID	INT	√ Success X Failure



APPENDIX



COUNTRY.xlsx



FREQUENCY.xlsx



STATE.xlsx