**PAYGTL\_LORA\_BLE**

**Common URL:** Address:PortNumber/PAYGTL\_LORA\_BLE

**url:** common URL/

**Method:**

**Request:**

**Response:**

**1. Login**

**url:** common URL/login

**Method:** Post

a. For SuperAdmin:

**Request:**

{

"userID":"Superadmin",

"password":"Admin"

}

**Response:**

{

    "result": "Success",

    "Message": "Successfully Logged In",

    "userDetails": {

        "roleID": 1,

        "blockID": 0,

        "communityID": 0,

        "userName": "Hanbit",

        "ID": 1,

        "customerID": 0

    }

}

b. For Admin:

**Request:**

{

"userID":"Admin",

"password":"Admin"

}

**Response:**

{

    "result": "Success",

    "Message": "Successfully Logged In",

    "userDetails": {

        "roleID": 2,

        "blockID": 1,

        "communityID": 1,

        "userName": "Kvk",

        "ID": 2,

        "customerID": 0

    }

}

c. For Customer:

**Request:**

{

"userID":"Vimal",

"password":"Admin"

}

**Response:**

{

    "result": "Success",

    "Message": "Successfully Logged In",

    "userDetails": {

        "roleID": 3,

        "blockID": 1,

        "communityID": 1,

        "userName": "Vimal Kumar",

        "ID": 3,

        "customerID": 2,

        "pendingCommandID": 6,

        "pendingTransactionID": 3

    }

}

d. For SuperAdminSupervisor:

**Request:**

{

"userID":"Superadminsupervisor",

"password":"Admin"

}

**Response:**

{

    "result": "Success",

    "Message": "Successfully Logged In",

    "userDetails": {

        "roleID": 4,

        "blockID": 0,

        "communityID": 0,

        "userName": "HanbitSuperadminsupervisor",

        "customerID": 0

    }

}

c. For Adminsupervisor:

**Request:**

{

"userID":"Adminsupervisor",

"password":"Admin"

}

**Response:**

{

    "result": "Success",

    "Message": "Successfully Logged In",

    "userDetails": {

        "roleID": 5,

        "blockID": 1,

        "communityID": 1,

        "userName": "KvkAdminsupervisor",

        "customerID": 0

    }

}

**2. Community**

**a.** to retrieve the list of communities

**url:** common URL/community/{roleid}/{id}

**Method:** GET

**Response:**

{

    "communityID": 0,

    "data": [

        {

            "communityName": "TestCommunity",

            "email": "testcommunity@gmail.com",

            "mobileNumber": "9876543210",

            "address": "Bangalore",

            "communityID": 1

        },

        {

            "communityName": "TestCommunity1",

            "email": "testcommunity1@gmail.com",

            "mobileNumber": "9876543211",

            "address": "Hyderabaaaaad",

            "communityID": 2

        },

        {

            "communityName": "TestCommunity2",

            "email": "testcommunity2@gmail.com",

            "mobileNumber": "1234567890",

            "address": "Secunderabad",

            "communityID": 3

        }

    ]

}

**b.** to add community

**url:** common URL/community/add

**Method:** POST

**Request:**

{

"communityName": "TestCommunity1",

"email": "testcommunity1@gmail.com",

"mobileNumber": "9876543211",

"address": "Hyderabad"

}

**Response:**

{

    "result": "Success"

}

**c.** toedit Community details

**url:** common URL/community/edit/{communityid}

**Method:** POST

**Request:**

{

"communityName": "TestCommunity1",

"email": "testcommunity1@gmail.com",

"mobileNumber": "9876543211",

"address": "Hyderabaaad"

}

**Response:**

{

    "result": "Success"

}

**3. Block**

a. to retrieve list of blocks

**url:** common URL/block/{roleid}/{id}

**Method:** GET

**Response:**

{

    "data": [

        {

            "communityName": "TestCommunity",

            "blockName": "DemoBlock",

            "Location": "Bangalore",

            "email": "Demoblock@gmail.com",

            "mobile": "9876543210",

            "blockID": 1

        },

        {

            "communityName": "TestCommunity1",

            "blockName": "Demoblock1",

            "Location": "Hyderabad",

            "email": "Demoblock1@gmail.com",

            "mobile": "9876543211",

            "blockID": 3

        },

        {

            "communityName": "TestCommunity",

            "blockName": "Demoblock2",

            "Location": "Mumbai",

            "email": "Demoblock2@gmail.com",

            "mobile": "9876543212",

            "blockID": 4

        },

        {

            "communityName": "TestCommunity1",

            "blockName": "Demoblock3",

            "Location": "Warangal",

            "email": "Demoblock3@gmail.com",

            "mobile": "9876543213",

            "blockID": 5

        },

        {

            "communityName": "TestCommunity1",

            "blockName": "Demoblock5",

            "Location": "Secunderabad",

            "email": "bhrt@gmail.com",

            "mobile": "9000941923",

            "blockID": 8

        },

        {

            "communityName": "TestCommunity2",

            "blockName": "Demoblock6",

            "Location": "Maredpally",

            "email": "Demoblock6@gmail.com",

            "mobile": "2345678901",

            "blockID": 9

        }

    ],

    "blockID": 0

}

b. to add a block

**url:** common URL/block/add

**Method:** POST

**Request:**

{

"blockName": "Demoblock1",

"location": "Hyderabad",

"mobileNumber": "9876543211",

"email": "Demoblock1@gmail.com",

"communityID": 2

}

**Response:**

{

    "result": "Success"

}

c. to edit a block

**url:** common URL/block/edit/{id}

**Method:** POST

**Request:**

{

"blockName": "Demoblock1",

"location": "Hyderabaaaaad",

"mobileNumber": "9876543211",

"email": "Demoblock1@gmail.com"

}

**Response:**

{

    "result": "Success"

}

d. to delete a block

**url:** common URL/block/delete/{id}

**Method:** POST

**Response:**

{

    "result": "Success"

}

**3. Customer**

a. to retrieve list of Customers

**url:** common URL/customer/{roleid}/{id}

**Method:** GET

**Response:**

{

    "customerID": 0,

    "requestID": 0,

    "data": [

        {

            "customerID": 1,

            "communityName": "TestCommunity",

            "blockName": "DemoBlock",

            "houseNumber": "101",

            "firstName": "Vimal",

            "lastName": "Kumar",

            "email": "kvk9889@gmail.com",

            "mobileNumber": "8498890000",

            "date": "2020-04-05 01:58:12",

            "createdByUserName": "Kvk",

            "createdByRoleDescription": "Admin",

            "requestID": 0

        },

        {

            "customerID": 2,

            "communityName": "TestCommunity1",

            "blockName": "Demoblock1",

            "houseNumber": "301",

            "firstName": "Vml",

            "lastName": "Kvk",

            "email": "vml@gmail.com",

            "mobileNumber": "9999999999",

            "date": "2020-04-06 15:33:17",

            "createdByUserName": "Kvk",

            "createdByRoleDescription": "Admin",

            "requestID": 0

        },

        {

            "customerID": 4,

            "communityName": "TestCommunity1",

            "blockName": "Demoblock1",

            "houseNumber": "302",

            "firstName": "Bharatttttt",

            "lastName": "sriram",

            "email": "bharat@gmail.com",

            "mobileNumber": "7777777777",

            "date": "2020-04-09 19:58:42",

            "createdByUserName": "Hanbit",

            "createdByRoleDescription": "Super Admin",

            "requestID": 0

        },

        {

            "customerID": 5,

            "communityName": "TestCommunity1",

            "blockName": "Demoblock3",

            "houseNumber": "501",

            "firstName": "Demo",

            "lastName": "Customer",

            "email": "democustomer@gmail.com",

            "mobileNumber": "6666666666",

            "date": "2020-04-06 22:39:04",

            "createdByUserName": "Demoblock3",

            "createdByRoleDescription": "Admin",

            "requestID": 0

        }

    ]

}

b.to add a customer

**url:** common URL/customer/add

**Method:** POST

**Request:**

{

"communityID": 2,

"blockID": 5,

"houseNumber": "502",

"firstName": "Demo502",

"lastName": "Customer502",

"email": "democustomer502@gmail.com",

"mobileNumber": "9876598765",

"meterID": "5002",

"tariffID" : 2,

"meterSerialNumber":"6789",

"defaultReading":"0",

"CRNNumber":"han202009",

"createdByID": 1,

"loggedInRoleID" : 1,

"loggedInUserID" : "Superadmin"

}

**Response:**

{

    "result": "Success"

}

c.to edit a customer

**url:** common URL/customer/edit/{customerid}

**Method:** POST

**Request:**

{

"communityID": 2,

"blockID": 5,

"houseNumber": "501",

"firstName": "Demo",

"lastName": "Customer",

"email": "democustomer@gmail.com",

"mobileNumber": "6666666666",

"meterID": "5001",

"meterSerialNumber":"5678",

"defaultReading":"100"

}

**Response:**

{

    "result": "Success"

}

d. to delete a customer

**url:** common URL/customer/delete/{customerid}

**Method:** POST

**Response:**

{

    "result": "Success"

}

**4. Tariff**

a. to retrieve list of Tariffs

**url:** common URL/tariff

**Method:** GET

**Response:**

{

    "tariffID": 0,

    "data": [

        {

            "tariffID": 1,

            "tariff": "30.0",

            "emergencyCredit": "10.0",

            "alarmCredit": "15.0",

            "fixedCharges": "25.0",

            "RegisteredDate": "2020-04-04 23:06:14"

        },

        {

            "tariffID": 2,

            "tariff": "40.0",

            "emergencyCredit": "20.0",

            "alarmCredit": "10.0",

            "fixedCharges": "10.0",

            "RegisteredDate": "2020-04-07 00:13:09"

        }

    ]

}

b. to add a Tariff

**url:** common URL/tariff/add

**Method:** POST

**Request:**

{

"tariff": 40,

"emergencyCredit": 20,

"alarmCredit": 10,

"fixedCharges": 10

}

**Response:**

{

    "result": "Success"

}

**5. Alert**

a. to retrieve list of alerts

**url:** common URL/alert

**Method:** GET

**Response:**

b. to add an alert

**url:** common URL/alert/add

**Method:** POST

**Request:**

{

"noAMRInterval": 1442,

"lowBatteryVoltage": 3.30,

"timeOut": 330,

"communityID": 1

}

**Response:**

{

    "result": "Success"

}

c.to edit an alert

**url:** common URL/alert/edit

**Method:** POST

**Request:**

{

"noAMRInterval": 1442,

"lowBatteryVoltage": 3.35,

"timeOut": 330,

"communityID": 1

}

**Response:**

{

    "result": "Success"

}

**6. User**

a. to retrieve list of all users

**url:** common URL/user/{roleid}/{id}

**Method:** GET

**Response:**

{

    "ID": 0,

    "data": [

        {

            "ID": 1,

            "userID": "Superadmin",

            "userName": "Hanbit",

            "role": "Super Admin"

        },

        {

            "ID": 4,

            "userID": "Superadminsupervisor",

            "userName": "HanbitSuperadminsupervisor",

            "role": "SuperAdminSupervisor",

            "createdByUserName": "Hanbit",

            "createdByRoleDescription": "Super Admin"

        },

        {

            "ID": 2,

            "userID": "Admin",

            "userName": "Kvk",

            "role": "Admin",

            "createdByUserName": "Hanbit",

            "createdByRoleDescription": "Super Admin",

            "communityName": "TestCommunity",

            "blockName": "DemoBlock"

        },

        {

            "ID": 3,

            "userID": "Vimal",

            "userName": "Vimal Kumar",

            "role": "User",

            "createdByUserName": "Kvk",

            "createdByRoleDescription": "Admin",

            "communityName": "TestCommunity",

            "blockName": "DemoBlock"

        },

        {

            "ID": 5,

            "userID": "Adminsupervisor",

            "userName": "KvkAdminsupervisor",

            "role": "AdminSupervisor",

            "createdByUserName": "Hanbit",

            "createdByRoleDescription": "Super Admin",

            "communityName": "TestCommunity",

            "blockName": "DemoBlock"

        },

        {

            "ID": 6,

            "userID": "Admin1",

            "userName": "Demoblock3",

            "role": "Admin",

            "createdByUserName": "Hanbit",

            "createdByRoleDescription": "Super Admin",

            "communityName": "TestCommunity1",

            "blockName": "Demoblock3"

        }

    ]

}

b. to add a user

**url:** common URL/user/add

**Method:** POST

**Request:**

{

"communityID": 2,

"blockID": 3,

"userID": "Demoblock1",

"userName": "Sri babu",

"userPassword": "Admin",

"confirmPassword": "Admin",

"roleID": 5,

"loggedInRoleID" : 1, // you need to send the ‘ID’ from the login response json

"loggedInUserID" : "Superadmin" // UserID(loginID) should be sent here.

}

**Response:**

{

    "result": "Success"

}

c. to change password

**url:** common URL/changepassword/{userID}

**Method:** POST

**Request:**

{

"oldPassword": "Admin",

"newPassword": "Admin1"

}

**Response:**

{

    "result": "Success"

}

**7. Dropdowns**

a. to retrieve list of Communites

**url:** common URL/communities/{roleID}/{id}

**Method:** GET

**Response:**

{

    "dropDownCommunities": {

        "1": "TestCommunity",

        "2": "TestCommunity1",

        "3": "TestCommunity2"

    }

}

b. to retrieve list of blocks of a particular community

**url:** common URL/blocks/{roleID}/{id}/{communityID}

**Method:** GET

**Response:**

{

    "dropDownBlocks": {

        "3": "Demoblock1",

        "5": "Demoblock3",

        "8": "Demoblock5"

    }

}

c. to retrieve list of HouseNos/Customers of a particular Block

**url:** common URL/customers/{roleID}/{id}/{blockID}

**Method:** GET

**Response:**

{

    "dropDownHouses": {

        "1": "101",

        "6": "102"

    }

}

d. to retrieve topupdetails for topup page

**url:** common URL/topupdetails/{customerID}

**Method:** GET

**Response:**

{

    "topupdetails": {

        "meterID": "70b3d5f830004f56",

        "currentBalance": 30.0,

        "IoTTimeStamp": "2020-04-20 13:34:40",

        "tariffName": "Tariff1",

        "emergencyCredit": 10.0,

        "alarmCredit": 15.0,

        "tariff": 30.0,

        "tariffID": 1

    }

}

**8. Approval**

**url:** common URL/customerupdatesrequest/{blockid}

**Method:** GET

**Response:**

{

    "customerID": 0,

    "createdByID": 0,

    "createdByRoleID": 0,

    "requestID": 0,

    "data": [

        {

            "customerID": 0,

            "houseNumber": "302",

            "firstName": "Bharatttttt",

            "email": "bharat@gmail.com",

            "mobileNumber": "7777777777",

            "createdByID": 0,

            "createdByRoleID": 0,

            "userID": "bhrtsrm",

            "requestID": 2

        }

    ]

}

b. to approve/reject customer request

**url:** common URL/approverequest/{requestID}/{action}

**Method:** POST

**Response:**

{

    "result": "Success"

}

**9. UserConsumptionReports**

**url:** common URL/userconsumptionreports

**Method:** POST

**Request:**

{

"communityID" : 1,

"blockID" : 1,

"customerID" : 1,

"fromDate" : "2020-04-10",

"toDate" : "2020-04-13"

}

**Response:**

{

    "reading": 0.0,

    "balance": 0.0,

    "battery": 0.0,

    "tariff": 0.0,

    "alarmCredit": 0.0,

    "emergencyCredit": 0.0,

    "data": [

        {

            "meterID": "70b3d5f830004f56",

            "reading": 0.0,

            "balance": 0.0,

            "battery": 3.59,

            "tariff": 0.0,

            "alarmCredit": 0.0,

            "emergencyCredit": 0.0,

            "dateTime": "2020-04-10 20:50:11"

        },

        {

            "meterID": "70b3d5f830004f56",

            "reading": 0.0,

            "balance": 0.0,

            "battery": 3.59,

            "tariff": 0.0,

            "alarmCredit": 0.0,

            "emergencyCredit": 0.0,

            "dateTime": "2020-04-13 13:50:11"

        },

        {

            "meterID": "70b3d5f830004f56",

            "reading": 0.0,

            "balance": 0.0,

            "battery": 3.59,

            "tariff": 0.0,

            "alarmCredit": 0.0,

            "emergencyCredit": 0.0,

            "dateTime": "2020-04-13 13:52:11"

        },

        {

            "meterID": "70b3d5f830004f56",

            "reading": 0.0,

            "balance": 0.0,

            "battery": 3.59,

            "tariff": 0.0,

            "alarmCredit": 0.0,

            "emergencyCredit": 0.0,

            "dateTime": "2020-04-13 14:00:11"

        }

    ]

}

**10. Configuration**

a. to retrieve the list of configurations

**url:** common URL/configuration/{roleid}/{id}

**Method:** GET

**Response:**

{

    "data": [

        {

            "meterID": "70b3d5f83000157a",

            "commandType": "Set Default Read",

            "modifiedDate": "2020-04-15 17:50:05",

            "status": "Passed",

            "transactionID": 2

        },

        {

            "meterID": "70b3d5f83000157a",

            "commandType": "Set Default Read",

            "modifiedDate": "2020-04-15 16:48:38",

            "status": "Passed",

            "transactionID": 1

        }

    ],

    "transactionID": 0

}

b. to add a configuration

**url:** common URL/configuration/add

**Method:** POST

**Request:**

{

"communityID" : 2,

"blockID" : 3,

"customerID" : 2,

"houseNumber": "301",

"meterID": "70b3d5f83000157a",

"commandType" : 6,

"tariff": 50

}

**Response:**

{

    "result": "Success"

}

**11. Dashboard**

a. to retrieve the list of dashboard

**url:** common URL/dashboard/{roleid}/{id}

**Method:** GET

**Response:**

{

    "reading": 0.0,

    "balance": 0.0,

    "emergencyCredit": 0.0,

    "tariff": 0.0,

    "data": [

        {

            "communityName": "TestCommunity",

            "blockName": "DemoBlock",

            "HouseNumber": "101",

            "meterID": "70b3d5f830004f56",

            "reading": 0.0,

            "balance": 0.0,

            "emergencyCredit": 0.0,

            "battery": "3.59",

            "valveStatus": "Closed",

            "tariff": 0.0,

            "tamperStatus": "NO",

            "timeStamp": "2020-04-17 02:51:29",

            "dateColor": "GREEN",

            "batteryColor": "GREEN"

        },

        {

            "communityName": "TestCommunity",

            "blockName": "DemoBlock",

            "HouseNumber": "102",

            "meterID": "70b3d5f830000a68",

            "reading": 4.0,

            "balance": 1250.0,

            "emergencyCredit": 0.0,

            "battery": "2.18",

            "valveStatus": "Closed",

            "tariff": 10.0,

            "tamperStatus": "NO",

            "timeStamp": "2020-04-16 16:42:38",

            "dateColor": "GREEN",

            "batteryColor": "RED"

        },

        {

            "communityName": "TestCommunity1",

            "blockName": "Demoblock1",

            "HouseNumber": "301",

            "meterID": "70b3d5f83000157a",

            "reading": 164.0,

            "balance": 900.0,

            "emergencyCredit": 0.0,

            "battery": "2.18",

            "valveStatus": "Closed",

            "tariff": 1000.0,

            "tamperStatus": "NO",

            "timeStamp": "2020-04-16 10:36:55",

            "dateColor": "RED",

            "batteryColor": "RED"

        }

    ]

}

**12. Financial Reports**

**url:** common URL/financialreports/{roleid}/{id}

**Method:** POST

**Request:**

{

"communityID" : 0,

"blockID" : 0,

"customerID" : 0,

"year" : 2020,

"month": 4

}

**Response:**

{

    "totalAmount": 0,

    "totalAmountForSelectedPeriod": 2750,

    "totalUnits": 0,

    "totalUnitsForSelectedPeriod": 636,

    "data": [

        {

            "communityName": "TestCommunity",

            "blockName": "DemoBlock",

            "houseNumber": "101",

            "meterID": "70b3d5f830004f56",

            "totalAmount": 0,

            "totalAmountForSelectedPeriod": 0,

            "totalUnits": 0,

            "totalUnitsForSelectedPeriod": 0

        },

        {

            "communityName": "TestCommunity1",

            "blockName": "Demoblock1",

            "houseNumber": "301",

            "meterID": "70b3d5f83000157a",

            "totalAmount": 1600,

            "totalAmountForSelectedPeriod": 0,

            "totalUnits": 636,

            "totalUnitsForSelectedPeriod": 0

        },

        {

            "communityName": "TestCommunity1",

            "blockName": "Demoblock1",

            "houseNumber": "302",

            "meterID": "3002",

            "totalAmount": 0,

            "totalAmountForSelectedPeriod": 0,

            "totalUnits": 0,

            "totalUnitsForSelectedPeriod": 0

        },

        {

            "communityName": "TestCommunity1",

            "blockName": "Demoblock3",

            "houseNumber": "501",

            "meterID": "5001",

            "totalAmount": 0,

            "totalAmountForSelectedPeriod": 0,

            "totalUnits": 0,

            "totalUnitsForSelectedPeriod": 0

        },

        {

            "communityName": "TestCommunity",

            "blockName": "DemoBlock",

            "houseNumber": "102",

            "meterID": "70b3d5f830000a68",

            "totalAmount": 1150,

            "totalAmountForSelectedPeriod": 0,

            "totalUnits": 0,

            "totalUnitsForSelectedPeriod": 0

        },

        {

            "communityName": "TestCommunity1",

            "blockName": "Demoblock3",

            "houseNumber": "502",

            "meterID": "5002",

            "totalAmount": 0,

            "totalAmountForSelectedPeriod": 2750,

            "totalUnits": 0,

            "totalUnitsForSelectedPeriod": 636

        }

    ]

}

**13. TopupSummary**

**url:** common URL/topupsummary

**Method:** POST

**Request:**

{

"communityID" : 1,

"blockID" : 1,

"customerID" : 6,

"fromDate" : "2020-04-10",

"toDate" : "2020-04-18"

}

**Response:**

{

    "transactionID": 0,

    "rechargeAmount": 0,

    "data": [

        {

            "houseNumber": "102",

            "meterID": "70b3d5f830000a68",

            "firstName": "Amanora",

            "lastName": "testing",

            "transactionID": 5,

            "rechargeAmount": 400,

            "status": "Passed",

            "modeOfPayment": "cash",

            "transactedByUserName": "Hanbit",

            "transactedByRoleDescription": "Super Admin",

            "dateTime": "2020-04-16 16:05:14"

        },

        {

            "houseNumber": "102",

            "meterID": "70b3d5f830000a68",

            "firstName": "Amanora",

            "lastName": "testing",

            "transactionID": 6,

            "rechargeAmount": 400,

            "status": "Passed",

            "modeOfPayment": "cash",

            "transactedByUserName": "Hanbit",

            "transactedByRoleDescription": "Super Admin",

            "dateTime": "2020-04-16 16:21:48"

        },

        {

            "houseNumber": "102",

            "meterID": "70b3d5f830000a68",

            "firstName": "Amanora",

            "lastName": "testing",

            "transactionID": 7,

            "rechargeAmount": 350,

            "status": "Passed",

            "modeOfPayment": "cash",

            "transactedByUserName": "Hanbit",

            "transactedByRoleDescription": "Super Admin",

            "dateTime": "2020-04-16 16:35:59"

        }

    ]

}

**14. Alarms**

**url:** common URL/alarm

**Method:** GET

**Response:**

{

    "difference": 0,

    "data": [

        {

            "communityName": "TestCommunity",

            "blockName": "DemoBlock",

            "houseNumber": "101",

            "meterID": "70b3d5f830004f56",

            "dateTime": "2020-04-17 02:51:29",

            "tamper": "---",

            "batteryVoltage": "---",

            "difference": 5940

        },

        {

            "communityName": "TestCommunity1",

            "blockName": "Demoblock1",

            "houseNumber": "301",

            "meterID": "70b3d5f83000157a",

            "dateTime": "2020-04-16 10:36:55",

            "tamper": "---",

            "batteryVoltage": "2.18",

            "difference": 4512

        },

        {

            "communityName": "TestCommunity",

            "blockName": "DemoBlock",

            "houseNumber": "102",

            "meterID": "70b3d5f830000a68",

            "dateTime": "2020-04-16 16:42:38",

            "tamper": "---",

            "batteryVoltage": "2.18",

            "difference": 3313

        }

    ]

}

**15. Topup**

**url:** common URL/topup

**Method:** POST

**Request:**

{

"source" : "web",

"customerID" : 6,

"meterID": "70b3d5f830000a68",

"amount": 150,

"modeOfPayment" : "Cash",

"cardNumber" : "4639 XXXX XXXX 4955",

"cardType" : "VISA",

"transactedByID" : 1,

"transactedByRoleID" : 1

}

**Response:**

{

    "result": "Success"

}