**Common URL:** Address:PortNumber/IDigi

**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, //this should be used as transactedbyroleid

        "blockID": 0,

        "email": "",

        "mobileNumber": "",

        "communityID": 0,

        "userName": "Idigitronics",

        "ID": 1, //this should be used as transactedbyid

        "customerID": 0,

        "pendingCommandType": 0,

        "pendingTransactionID": 0

    }

}

b. For Admin:

**Request:**

{

"userID" : "kvkadmin",

"password" : "Admin",

}

**Response:**

{

    "result": "Success",

    "Message": "Successfully Logged In",

    "userDetails": {

        "roleID": 2, //this should be used as transactedbyroleid

        "blockID": 1,

        "email": "vimal\_smyle2006@yahoo.com",

        "mobileNumber": "8498890001",

        "communityID": 1,

        "userName": "Kvk",

        "ID": 2, //this should be used as transactedbyid

        "customerID": 0,

        "communityName": "Idigi",

        "pendingCommandType": 0,

        "pendingTransactionID": 0,

        "blockName": "idigiblock"

    }

}

c. For Customer:

**Request:**

{

"userID" : "IDIGI1",

"password" : "Admin",

}

**Response:**

{

    "result": "Success",

    "Message": "Successfully Logged In",

    "userDetails": {

        "roleID": 3, //this should be used as transactedbyroleid

        "blockID": 1,

        "email": "kvk9889@gmail.com",

        "mobileNumber": "8498890000",

        "communityID": 1,

        "userName": "Vimal Kumar",

        "ID": 3, //this should be used as transactedbyid

        "customerID": 1,

        "CustomerUniqueID": "IDIGI1",

        "communityName": "Idigi",

        "pendingTransactionID": 0,

        "blockName": "idigiblock"

    }

}

**2.Input Data from Mobile**

**url:** common URL/datafrommobile/{device\_eui}

**Method:** Post

**Request: (confirm with Amar)**

// water 2233

{

"type": 1,

"sync\_time": "00:00:05",

"sync\_interval": 1440,

"pre\_post\_paid": 1,

"bat\_volt": 90,

"valve\_configuration": 1,

"valve\_live\_status": 1,

"credit": 0,

"tariff": 20.00,

"emergency\_credit": 40.00,

"min\_elapsed\_after\_valve\_trip": 10,

"reading": 30,

"status": {

"door\_open": 0,

"magnetic": 0,

"schedule\_disconnect": 0,

"rtc\_fault": 0,

"low\_bat": 0,

"low\_bal": 0,

"nfc\_tamper: 0

}

}

// gas 1122

{

"type": 2,

"sync\_time": "00:00:05",

"sync\_interval": 1440,

"pre\_post\_paid": 0,

"bat\_volt": 90,

"valve\_configuration": 1,

"valve\_live\_status": 1,

"credit": 300,

"tariff": 10.00,

"emergency\_credit": 20.00,

"min\_elapsed\_after\_valve\_trip": 10,

"reading": 10,

"status": {

"door\_open": 0,

"magnetic": 0,

"schedule\_disconnect": 0,

"rtc\_fault": 0,

"low\_bat": 0,

"low\_bal": 0,

"nfc\_tamper: 0

}

}

**Response:**

{

"result": "Success",

"Message": "Data Inserted Successfully"

}

**3.to Generate transaction id for topup**

**url:** common URL/topup/

**Method:** Post

**Request:**

{

"source" : "mobile",

"CustomerUniqueID" : "IDIGI1",

"customerMeterID" : 1,

"miuID" : "70b3d5f830004fb5",

"amount" : 300,

"modeOfPayment" : "cash",

"transactedByID" : 1, // this should be ID sent at the time of login

"transactedByRoleID" : 1 // this should be roleID sent at the time of login

}

**Response:**

{

"result": "Success",

"Message" : "Topup Request Submitted Successfully"

}

**4.Input Data after recharge**

**url:** common URL/datafrommobile/recharge/{device\_eui}

**Method:** Post

**Request: (confirm with Amar)**

// water 2233

{

“transaction\_id” = 1234,

“cmd\_status” = 0,

"type": 1,

"sync\_time": "00:00:05",

"sync\_interval": 1440,

"pre\_post\_paid": 1,

"bat\_volt": 90,

"valve\_configuration": 1,

"valve\_live\_status": 1,

"credit": 0,

"tariff": 20.00,

"emergency\_credit": 40.00,

"min\_elapsed\_after\_valve\_trip": 10,

"reading": 30,

"status": {

"door\_open": 0,

"magnetic": 0,

"schedule\_disconnect": 0,

"rtc\_fault": 0,

"low\_bat": 0,

"low\_bal": 0,

"nfc\_tamper: 0

}

}

// gas 1122

{

“transaction\_id” = 1234,

“cmd\_status” = 0,

"type": 2,

"sync\_time": "00:00:05",

"sync\_interval": 1440,

"pre\_post\_paid": 0,

"bat\_volt": 90,

"valve\_configuration": 1,

"valve\_live\_status": 1,

"credit": 300,

"tariff": 10.00,

"emergency\_credit": 20.00,

"min\_elapsed\_after\_valve\_trip": 10,

"reading": 10,

"status": {

"door\_open": 0,

"magnetic": 0,

"schedule\_disconnect": 0,

"rtc\_fault": 0,

"low\_bat": 0,

"low\_bal": 0,

"nfc\_tamper: 0

}

}

**Response:**

{

"result": "Success",

"Message": "Data Inserted Successfully"

}

**5.Device Validation**

**url:** common URL/customer/{miuID}

**Method:** GET

**Response:**

{

"result": "Success",

"Message": "Customer Details Retrieved Successfully",

"customerDetails": {

"customerID": 20,

"communityName": "Ashok Lakeside",

"blockName": "A Block",

"houseNumber": "A-901",

"CustomerUniqueID": "ASBL10005",

"firstName": "Mrs. Shiva Vimala",

"lastName": "Block1",

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

"mobileNumber": "9573991386",

"date": "2023/03/09 17:29:13",

"requestID": 0,

"action": **false**,

"meterDetails": {

"customerMeterID": 39,

"miuID": "506f980000000b2e",

"meterSerialNumber": "20004666",

"meterType": "Water",

"meterSize": 25.0,

"meterSizeID": 0,

"payType": "Postpaid",

"tariffID": 0,

"tariffName": “tarrif”,

"gatewayID": 0,

"gatewayName": "ASBLTowerB",

"location": "Hall2",

"thresholdMaximum": 5000.0,

"thresholdMinimum": 10.0,

"availableBalance": "---"

}

}

}

**Response:** In case device is not registered

{

"result": "Failure",

"Message": "MIUID is not registered with any Customer"

}