



# Access an Ezlo hub remotely and control devices

These instructions will guide you through the steps needed to create an account and users, assign it to the gateway, and then access it using WebSockets. To make things easier I will share below PostMan cURL request you can easily import.

Use the following documents to poll and control a MiOS unit remotely:

[MMS API Public v.1.7.1](#)

[MMS Phone App Specs v.3.1.1](#)

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## Onboard a hub (connect it to the internet)

The following requests assume your client application is in the same location as the hub, and is connected to the Access Point of the hub. They don't apply when an ethernet or mobile connection is used to connect to the hub.

### Get a list of networks that the hub sees:

```
curl --location --request GET 'http://192.168.4.1:54540/wifi/networks'
```

### Get the status of the wifi network:

```
url --location --request GET 'http://192.168.4.1:54540/wifi/status'
```

### Connect to a wifi network:

```
curl --location --request POST 'http://192.168.4.1:54540/wifi/network/connect' \
--header 'Content-Type: application/javascript' \
--data-raw '{
"ssid": "NETWORK_SSID",
"passkey": "WIFIPASS"
}'
```

### Close WiFi ap:

```
curl --location --request POST 'http://192.168.4.1:54540/wifi/network/close'
```

### Restart gateway:

```
curl --location --request POST 'http://192.168.4.1/restart'
```

## Cloud account creation and authorization

### Create an account

Use the following request to create an account:

```
curl --location --request POST
'https://vera-us-oem-autha.mios.com/autha/auth/username?Username=test69212&Email=test69212@yopmail.com&Password=Ezlo@2021&PK\_Oem=1&AppKey=APPKEY\_ID'
```

APPKEY\_ID - you need to request the app key as detailed above.

It will return the Identity and Identity Signature you must use to authenticate. Identity can be decoded using base64 and you can find a JSON that contains the details for the account and the username that was created.

[illegible]

```
"PK_Phone_User": 3266492
}
```

Decoding the Identity gives you a JSON with the following info:

```
{
  "Expires":1623328498,"Generated":1623242098,"Permissions":[{"PK_Permission":1,"Mode":1},{"PK_Permission":2,"Mode":1}, {"PK_Permission":3,"Mode":1}, {"PK_Permission":4,"Mode":1}, {"PK_Permission":6,"Mode":1}, {"PK_Permission":9,"Mode":1}, {"PK_Permission":14,"Mode":1}, {"PK_Permission":15,"Mode":1}, {"PK_Permission":17,"Mode":1}, {"PK_Permission":18,"Mode":1}, {"PK_Permission":19,"Mode":1}, {"PK_Permission":20,"Mode":1}, {"PK_Permission":21,"Mode":1}, {"PK_Permission":22,"Mode":1}, {"PK_Permission":23,"Mode":1}, {"PK_Permission":25,"Mode":1}, {"PK_Permission":26,"Mode":1}, {"PK_Permission":27,"Mode":1}, {"PK_Permission":28,"Mode":1}, {"PK_Permission":29,"Mode":1}, {"PK_Permission":30,"Mode":1}, {"PK_Permission":41,"Mode":1}, {"PK_Permission":42,"Mode":1}, {"PK_Permission":43,"Mode":1}, {"PK_Permission":52,"Mode":1}, {"PK_Permission":62,"Mode":1}, {"PK_Permission":72,"Mode":1}, {"PK_Permission":82,"Mode":1}, {"PK_Permission":92,"Mode":1}, {"PK_Permission":102,"Mode":1}, {"PK_Permission":112,"Mode":1}, {"PK_Permission":122,"Mode":1}, {"PK_Permission":132,"Mode":1}, {"PK_Permission":142,"Mode":1}, {"PK_Permission":152,"Mode":1}, {"PK_Permission":162,"Mode":1}, {"PK_Permission":172,"Mode":1}, {"PK_Permission":182,"Mode":1}, {"PK_Permission":192,"Mode":1}, {"PK_Permission":202,"Mode":1}, {"PK_Permission":212,"Mode":1}, {"PK_Permission":222,"Mode":1}, {"PK_Permission":232,"Mode":1}, {"PK_Permission":242,"Mode":1}, {"PK_Permission":252,"Mode":1}, {"PK_Permission":262,"Mode":1}, {"PK_Permission":272,"Mode":1}, {"PK_Permission":282,"Mode":1}, {"PK_Permission":292,"Mode":1}, {"PK_Permission":302,"Mode":1}, {"PK_Permission":312,"Mode":1}, {"PK_Permission":322,"Mode":1}, {"PK_Permission":332,"Mode":1}, {"PK_Permission":342,"Mode":1}, {"PK_Permission":482,"Mode":1}, {"PK_Permission":492,"Mode":1}, {"PK_Permission":562,"Mode":1}, {"PK_Permission":582,"Mode":1}, {"PK_Permission":685,"Mode":1}, {"PK_Permission":705,"Mode":1}, {"PK_Permission":731,"Mode":1}, {"PK_Permission":1596,"Mode":1}, {"PK_Permission":1606,"Mode":1}, {"PK_Permission":1616,"Mode":1}, {"PK_Permission":1626,"Mode":1}, {"PK_Permission":1648,"Mode":1}, {"PK_Permission":1653,"Mode":1}, {"Arguments":["9","10","11","12","13"]}, {"PK_Account":1225482,"PK_AccountType":5,"PK_AccountChild":0,"PK_Account_Parent":2375,"PK_App":482,"PK_Oem":1,"PK_Oem_User":"","PK_PermissionRole":10,"PK_User":2879682,"PK_Server_Auth":40,"PK_Server_Account":5,"PK_Server_Event":13,"Server_Auth":"vera-us-oem-storage25.mios.com","Seq":5617744,"Username":"test69212"}
}
```

You will need to pass `Identity` and `IdentitySignature` as headers with every cloud request to maintain the authorization. This signature is valid for 24h so you will need to regenerate it when it expires.

## Assign an account

Use the API below to assign an account. You will need the serial number and MAC address of the gateway:

```
curl --location --request PUT
```

"https://vera-us-oem-account11.mios.com/account/installation/installation/0/device/SERIAL?MacAddress=AB:CD:EF:12:34:56" \

```
--header 'MMSAuth:
```

[illegible]

[illegible]

**Serial** - Your gateway's 8 digit identification code:

- VeraEdge - 40xxxxxx
- VeraPlus - 50xxxxxx
- VeraSecure - 55xxxxxx
- EzloAtom - 70xxxxxx
- EzloPlus - 90xxxxxx
- EzloSecure - 92xxxxxx

**MAC** - the MAC address listed on the label of your unit.

## Authenticate using credentials

```
curl --location --request GET
```

'https://vera-us-oem-autha.mios.com/autha/auth/username/test4521?'



SHA1Password=13067a93aa3dba3ce29b61a95852326b8d4f08c2&PK\_Oem=1&AppKey=APP  
KEY\_ID'

Try to use [www.sha1-online.com](http://www.sha1-online.com) to generate the SHA1Password. Make sure to not add any characters except the **usernamepasswordsalt**

The salt is: oZ7QE6LcLJp6fiWzdqZc

The example above will generate sha1 for **test69212Ezlo@2021oZ7QE6LcLJp6fiWzdqZc** which is **13067a93aa3dba3ce29b61a95852326b8d4f08c2**

## Retrieve account information

[illegible]

```
Mjg1MjI4MiwiUEtfU2VydmVyX0F1dGgiOjQwLjJQs19TZXJ2ZXJfQWwNjb3VudCI6NSwiUEtfU2VydmVyX0V2ZW50Ijo1MywiU2VydmVyX0F1dGgiOiJ2ZXJhLXVzZW9lbS1zdG9yYWdlMjUubWlvcy5jb20iLCJTZXEiOjksNjgzMjYsIlVzZXJ1YyW1IjojdGVzdDQ1MjEifQ==\' \n--header \'MMSAuthSig: eQjpFGE5bTiiBcd+Im5g\n/m8yLUMTRyFj9R0TAQ7pWyyKDYmWFi3JcT2AlAQgJ1vkDFDdP2h7xpUsNVuM0Pia0kBpmKTb4d48N3/jrHAX9IZyg\nn1eDyaUc4euVVX\n/7Ya5d5E8aCq8C+nyYrHdDnFyQQnWy0UVmIZr4HD6OYz7z1YI0wpWRa7EJ7nUJObFA0feW+5hWZia+INhTDYpM+\nm4JKatZWpGMY+lh0KOk8mlolwMF8a+U\n/G5kgphX88jflU1JSW2pHlscIzZ0JFEfM50ymLbSwTqK6FqpLwdi15dSutkviBNk6F4kkksGribdDtUPhWQLBXC1x29G\n4NKL7snGQ==\'
```

## Change account details

To edit account information you need to push a JSON file with the changes, as per the MMS API documentation.

```
curl --location -g --request PUT
'https://vera-us-oem-account11.mios.com/account/account/account/1207762?json={%0A%09%22PK_Account_Parent%22:%20202375,%0A%09%22PK_Account_Parent2%22:%20201,%0A%09%22PK_AccountType%22:%20205,%0A%09%22PK_Oem%22:%20201,%0A%09%22Billing%22:%2020{%0A%09%09%22FirstName%22:%202022John%22,%0A%09%09%22LastName%22:%202022Doe%22,%0A%09%09%22Company%22:%202022Acme%22,%0A%09%09%22Address1%22:%202022123%20Main%20St%22,%0A%09%09%22Address2%22:%20202222,%0A%09%09%22City%22:%202022Suite%20100%22,%0A%09%09%22State%22:%202022New%20York%22,%0A%09%09%22PostalCode%22:%202022NY%22,%0A%09%09%22PK_Country%22:%202010%0A%09},%0A%09%22Server_Event%22:%202022vera-us-oem-event11.mios.com%22,%0A%09%22Server_Event_Alt%22:%202022vera-us-oem-event12.mios.com%22,%0A%09%22Server_Account%22:%202022vera-us-oem-account11.mios.com%22,%0A%09%22Server_Account_Alt%22:%202022veraus-oem-account12.mios.com%22,%0A%09%22Blocked%22:%20200,%0A%09%22Mailing%22:%2020{%0A%09%09%22Address1%22:%202022Bulevardul%20Poitiers,%2028%22,%0A%09%09%22City%22:%202022Ia%C8%99i%22,%0A%09%09%22State%22:%202022Jude%C8%9Bul%20Ia%C8%99i%22%0A%09},%0A%09%22Phone%22:%2020{%0A%09%09%22PK_Phone%22:%203221312%0A%09}}%0A%09}'
```

[illegible]

JQS19QZXJtaXNzaW9uljoYNTlsk1vZGUiOjF9LHsiUetfUGVybWlzc2lvbi6MjYyLCJNb2RlljoxfSx7IIBLX1Blcm1pc3Npb24iOiJ3MiwiTW9kZSI6MX0seyJQS19QZXJtaXNzaW9uljoyODIsIk1vZGUiOjF9LHsiUetfUGVybWlzc2lvbi6MjkyLCJNb2RlljoxfSx7IIBLX1Blcm1pc3Npb24iOjMwMiwiTW9kZSI6MX0seyJQS19QZXJtaXNzaW9uljozMtIsIk1vZGUiOjF9LHsiUetfUGVybWlzc2lvbi6MzlyLCJNb2RlljoxfSx7IIBLX1Blcm1pc3Npb24iOjMzMiwTW9kZSI6MX0seyJQS19QZXJtaXNzaW9uljozNDIsIk1vZGUiOjF9LHsiUetfUGVybWlzc2lvbi6NDgyLCJNb2RlljoxfSx7IIBLX1Blcm1pc3Npb24iOjQ5MiwiTW9kZSI6MX0seyJQS19QZXJtaXNzaW9uljo1NjIsIk1vZGUiOjF9LHsiUetfUGVybWlzc2lvbi6NTgyLCJNb2RlljoxfSx7IIBLX1Blcm1pc3Npb24iOjY4MiwiTW9kZSI6MX0seyJQS19QZXJtaXNzaW9uljo2ODUsIk1vZGUiOjF9LHsiUetfUGVybWlzc2lvbi6NZAlCLCNB2RlljoxfSx7IIBLX1Blcm1pc3Npb24iOjczMswTW9kZSI6MX0seyJQS19QZXJtaXNzaW9uljoXNtk2LCJNb2RlljoxfSx7IIBLX1Blcm1pc3Npb24iOjE2MDYslk1vZGUiOjF9LHsiUetfUGVybWlzc2lvbi6MTYxNiwiTW9kZSI6MX0seyJQS19QZXJtaXNzaW9uljoXnj12LCJNb2RlljoxfSx7IIBLX1Blcm1pc3Npb24iOjE2MzmUsIk1vZGUiOjF9LHsiUetfUGVybWlzc2lvbi6MTYzNiwiTW9kZSI6MX0seyJQS19QZXJtaXNzaW9uljoXnjQ4LCJNb2RlljoxfSx7IIBLX1Blcm1pc3Npb24iOjE2NTMsIk1vZGUiOjEsIkFyZ3VtZW50cy6lIs5LDEwLDEExLDEyLDEzXSJ9XSwiUetfQWNjb3VudCI6MTlwNzc2MiwiUetfQWNjb3VudFR5cGUiOjUsIlBLX0FjY291bnRDdGlSc2CI6MCwiUetfQWNjb3VudF9QYXJlbnciOiJlc2NzUslBLX0FjY291bnRfUGFyZW50Mil6MSwiUetfQWNjb3VudF9QYXJlbnczIjowLCJQS19BY2NvdW50X1BhcmludDQiOjAsIlBLX0FwcCI6MCwiUetfT2VtIjoxLCJQS19PZW1fVXNCil6iIsIlBLX1Blcm1pc3Npb25Sb2xlIjoxMCwiUetfVXNCil6Mjg1MjI4MiwiUetfU2VydmVyX0F1dGgiOjQwLCJQS19TZXRjZ2XJfQWNjb3VudCI6NSwiUetfU2VydmVyX0V2ZW50IjoxMTwyU2VydmVyX0F1dGgiOiJ2ZXJhLVxzVzW9Ibs1zdG9yYWdlImJyUubWlvcy5jb20iLCJTZXEEiOjkxNjgzMjYsilVzZXJuYWI1IjojdGVzdDQ1MjEifQ=='\n

--header 'MMSAuthSig: eQjpFGE5bTiiBcd+lm5g\n/m8yLUMTRyFj9R0TAQ7pWyYKDYmWfi3Jct2AIAqGJ1vkDFDDp2h7xpUsNVUm0Pia0kBpmKTb4d48N3/jrHAx9IZyg n1eDyaUc4euVVX/7Ya5d5E8aCq8C+nyYrHdDnFyQqnWy0UVmIzr4HD6OYz7z1YI0wpWRa7EJ7nUJOBFa0feW+5h WZia+INhTDYPm+m4JKatZWpGMylh0KOOk8mlolwMF8a+U/G5kgphX88jflU1JSW2pHlscLZZoJFEfm50ymLbSwTqk 6FqpLwdi15dSutkVIBnk6F4kkksGribDtUPhWQLBXC1x29G4NKL7snGQ=='

## Retrieve a list of users on an account

To get a list of users on an account, use:

[illegible]



[illegible]

## Retrieve a list of devices (hubs) on an account

To get a list of devices (hubs) which have been added to an account:

```
--location --request GET 'https://vera-us-oem-account11.mios.com/account/account/account/1207762/devices' \
--header 'MMSAuth:
eyJFeHBpcmVzljoxNjIzMjMyOTUxLChJZW5lcmF0ZWFQOiE2MjMxNDY1NTESIBlcm1pc3Npb25zljpbeyJQS19QZXJtaXNzaW9uljoxLCJNb2RlljoxfSx7IIeBLX1Blcm1pc3Npb24iOjIsIk1vZGUiOiF9LHsiUEtfUGVyblWlc2lvbiil6MywiTW9kZSI6MX0seyJQS19QZXJtaXNzaW9uljo0LCJNb2RlljoxfSx7IIeBLX1Blcm1pc3Npb24iOjYslk1vZGUiOiF9LHsiUEtfUGVyblWlc2lvbiil6OSwiTW9kZSI6MX0seyJQS19QZXJtaXNzaW9uljoxNCwiTW9kZSI6MX0seyJQS19QZXJtaXNzaW9uljoxNSwiTW9kZSI6MX0seyJQS19QZXJtaXNzaW9uljoxNywiTW9kZSI6MX0seyJQS19QZXJtaXNzaW9uljoxOCwiTW9kZSI6MX0seyJQS19QZXJtaXNzaW9uljoxOSwiTW9kZSI6MX0seyJQS19QZXJtaXNzaW9uljoyMCwiTW9kZSI6MX0seyJQS19QZXJtaXNzaW9uljoyMSwiTW9kZSI6MX0seyJQS19QZXJtaXNzaW9uljoyMiwiTW9kZSI6MX0seyJQS19QZXJtaXNzaW9uljoyNiwiTW9kZSI6MX0seyJQS19QZXJtaXNzaW9uljoyNywiTW9kZSI6MX0seyJQS19QZXJtaXNzaW9uljoyOCwiTW9kZSI6MX0seyJQS19QZXJtaXNzaW9uljoyOSwiTW9kZSI6MX0seyJQS19QZXJtaXNzaW9uljoyMCwiTW9kZSI6MX0seyJQS19QZXJtaXNzaW9uljo0MSwiTW9kZSI6MX0seyJQS19QZXJtaXNzaW9uljo0MiwiTW9kZSI6MX0seyJQS19QZXJtaXNzaW9uljo0MywiTW9kZSI6MX0seyJQS19QZXJtaXNzaW9uljo1MiwiTW9kZSI6MX0seyJQS19QZXJtaXNzaW9uljo2MiwiTW9kZSI6MX0seyJQS19QZXJtaXNzaW9uljo3MiwiTW9kZSI6MX0seyJQS19QZXJtaXNzaW9uljo4MiwiTW9kZSI6MX0seyJQS19QZXJtaXNzaW9uljo5MiwiTW9kZSI6MX0seyJQS19QZXJtaXNzaW9uljoxMDIsIk1vZGUiOiF9LHsiUEtfUGVyblWlc2lvbiil6MTeyLCJNb2RlljoxfSx7IIeBLX1Blcm1pc3Npb24iOjEyMiwiTW9kZSI6MX0seyJQS19QZXJtaXNzaW9uljoxMzIsIk1vZGUiOiF9LHsiUEtfUGVyblWlc2lvbiil6MTQyLCJNb2RlljoxfSx7IIeBLX1Blcm1pc3Npb24iOjE1MiwiTW9kZSI6MX0seyJQS19QZXJtaXNzaW9uljoxNjIsIk1vZGUiOiF9LHsiUEtfUGVyblWlc2lvbiil6MTcyLCJNb2RlljoxfSx7IIeBLX1Blcm1pc3Npb24iOjE4MiwiTW9kZSI6MX0seyJQS19QZXJtaXNzaW9uljoxOTIsIk1vZGUiOiF9LHsiUEtfUGVyblWlc2lvbiil6MjYyLCJNb2RlljoxfSx7IIeBLX1Blcm1pc3Npb24iOjI3MiwiTW9kZSI6MX0seyJQS19QZXJtaXNzaW9uljoyODIsIk1vZGUiOiF9LHsiUEtfUGVyblWlc2lvbiil6MjkyLCJNb2RlljoxfSx7IIeBLX1Blcm1pc3Npb24iOjIMwMiwiTW9kZSI6MX0seyJQS19QZXJtaXNzaW9uljoyMTIsIk1vZGUiOiF9L
```

```
HsiUEtfUGVybWlzc2lvbil6MzlyLCJNb2RlljoxfSx7IIBLX1Blcm1pc3Npb24iOjMzMiwTW9kZSI6MX0seyJQS19QZXJtaXNzaW9uljozNDIsIk1vZGUiOjF9LHsiUEtfUGVybWlzc2lvbil6NDgyLCJNb2RlljoxfSx7IIBLX1Blcm1pc3Npb24iOjQ5MiwiTW9kZSI6MX0seyJQS19QZXJtaXNzaW9uljo1NjlsIk1vZGUiOjF9LHsiUEtfUGVybWlzc2lvbil6NTgyLCJNb2RlljoxfSx7IIBLX1Blcm1pc3Npb24iOjY4MiwTW9kZSI6MX0seyJQS19QZXJtaXNzaW9uljo2ODUsIk1vZGUiOjF9LHsiUEtfUGVybWlzc2lvbil6NzA1LCJNb2RlljoxfSx7IIBLX1Blcm1pc3Npb24iOjczMswiTW9kZSI6MX0seyJQS19QZXJtaXNzaW9uljo1xNtk2LCJNb2RlljoxfSx7IIBLX1Blcm1pc3Npb24iOjE2MDYsIk1vZGUiOjF9LHsiUEtfUGVybWlzc2lvbil6MTYxNiwiTW9kZSI6MX0seyJQS19QZXJtaXNzaW9uljo1xNtk2LCJNb2RlljoxfSx7IIBLX1Blcm1pc3Npb24iOjE2MzUsIk1vZGUiOjF9LHsiUEtfUGVybWlzc2lvbil6MTYzNiwiTW9kZSI6MX0seyJQS19QZXJtaXNzaW9uljo1xNtk2LCJNb2RlljoxfSx7IIBLX1Blcm1pc3Npb24iOjE2NTMsIk1vZGUiOjEsIkFyZ3VtZW50cyUl6Il5LEdEwLDEeLDEyLDEeXSJ9XSuiUEtfQWNjb3VudCI6MTlwNzc2MiwUEtfQWNjb3VudFR5cGUiOiJlILBLX0FjY291bnRDAdGlScZCl6MCwiUEtfQWNjb3VudF9QYXJlbncQiOiJlZnZUslILBLX0FjY291bnRfUGFyZW50Mil6MSwiUEtfQWNjb3VudF9QYXJlbncQljojwLCJQS19BY2NvdW50X1BhcnVudDQiOiJAsIlBLX0FwcCI6MCwiUEtfT2VtljoxLCJQS19PZW1fVXNlcil6Il5lILBLX1Blcm1pc3Npb25Sb2xlJjoxMCwiUEtfVXNlcil6Mjg1Mjl4MiwUEtfU2VydmVyX0F1dGgiOiJwLmVudCJQS19TZXXJfQWNjb3VudCI6NSwiUEtfU2VydmVyX0V2ZW50ljo1MywiU2VydmVyX0F1dGgiOiJ2ZXJhLXVzLW9lbS1zdG9yYWdlImJlUubWlvcy5jb20iLCJTZEiOiJkxNjgzMjYsIlVzZXJuYW1lIjoiaGVzdDQ1MjEifQ=='\n\n--header 'MMSAuthSig: eQjpFGE5bTiiBcd+lm5g\n/m8yiLUMTRyFj9R0TAQP7pWyYKDYMWfi3JcT2AlAQgJ1vkDFdP2h7xpUsNVuM0PIa0kBpmKTb4d48N3/jrHAx9IZyg\nn1eDyaUc4euVVX/7Ya5d5E8aCq8C+nyYrHdDnFyQQnWy0UVmlZr4HD6OYz7z1YI0wpWRa7EJ7nUJOBFa0feW+5h\nWZIA+INhTDYPm+m4JKatZWPGMY+lhOKOk8mlolwMF8a+U\n/G5kgphX88jflU1JSW2pHlscIzzOJFEfm50ymLbSwTqK6FqpLwdi15dSutkvIBnk6F4kkksGribDtUPhQLBXC1x29G\n4NKL7snGQ=='
```

## Retrieve hub information

To get info for a particular hub:

[illegible]

JNb2RlljoxfSx7IIBLX1Blcm1pc3Npb24iOjMwMiwiTW9kZSI6MX0seyJQS19QZXJtaXNzaW9uljozMtIsIk1vZGUiOjF9LHsiUEtfUGVybWlzc2l2bWl6MzlyLCJNb2RlljoxfSx7IIBLX1Blcm1pc3Npb24iOjMzMzMiwiTW9kZSI6MX0seyJQS19QZXJtaXNzaW9uljo1NjIsIk1vZGUiOjF9LHsiUEtfUGVybWlzc2l2bWl6NDgyLCJNb2RlljoxfSx7IIBLX1Blcm1pc3Npb24iOjQ5MiwiTW9kZSI6MX0seyJQS19QZXJtaXNzaW9uljo2ODUsIk1vZGUiOjF9LHsiUEtfUGVybWlzc2l2bWl6NzA1LCJNb2RlljoxfSx7IIBLX1Blcm1pc3Npb24iOjczMSwiTW9kZSI6MX0seyJQS19QZXJtaXNzaW9uljo3NTk2LCJNb2RlljoxfSx7IIBLX1Blcm1pc3Npb24iOjE2MDYsIk1vZGUiOjF9LHsiUEtfUGVybWlzc2l2bWl6MTYxNiwiTW9kZSI6MX0seyJQS19QZXJtaXNzaW9uljo4Nj12LCJNb2RlljoxfSx7IIBLX1Blcm1pc3Npb24iOjE2MzUsIk1vZGUiOjF9LHsiUEtfUGVybWlzc2l2bWl6MTYzNiwiTW9kZSI6MX0seyJQS19QZXJtaXNzaW9uljo5NjQ4LCJNb2RlljoxfSx7IIBLX1Blcm1pc3Npb24iOjE2NTMsIk1vZGUiOjEsIkFyZ3VtZW50cyI6IsLDEwLDEeLDEyLDEeXSJ9XSwiUEtfQWNjb3VudCI6MTlwNzc2MiwiUEtfQWNjb3VudFR5cGUiOjUsIIBLX0FjY291bnRDdGlsZCI6MCwiUEtfQWNjb3VudF9QYXJlbnQiOjIsNzUsIIBLX0FjY291bnRfUGFyZW50Mil6MSwiUEtfQWNjb3VudF9QYXJlbnQzIjowLCJQS19BY2NvdW50X1BhcmVudDQiOjAsIIBLX0FwcCI6MCwiUEtfT2VtIjoxLCJQS19PZW1fVXNlciI6IsIIBLX1Blcm1pc3Npb25Sb2xlljoxMCwiUEtfVXNlciI6Mjg1MjI4MiwiUEtfU2VydmVyX0F1dGgiOjQwLCJQS19TZXJ2ZXJfQWNjb3VudCI6NSwiUEtfU2VydmVyX0V2ZW50Ijow1MywiU2VydmVyX0F1dGgiOiJ2ZXJhLXVzLW91bS1zdG9yYWdlMjUubWlvcyIjY20iLCJ2ZXEiOjksNjgzMjYsIlVzZXJ1YyW1IjojdGVzdDQ1MjEifQ=='\n\n--header 'MMSAuthSig: eQjpFGE5bTiiBcd+Im5g\n/m8yLUMTRyFj9R0TAQ7pWyyKDYMWfI3JcT2AlAQgJ1vkDFdDp2h7xpUsNVuM0Pia0kBpmKTb4d48N3/jrHAX9IZyg\nn1eDyaUc4euVVX/7Ya5d5E8aCq8C+nyYrHdDnFyQqNWy0UVmIzR4HD6OYz7z1YI0wpWRa7EJ7nUJOBFa0feW+5h\nWZia+INhTDYPm+m4JKatZWpGMY+lh0KOk8mlolwMF8a+U\n/G5kgphX88jflU1JSW2pHlscIzZ0JFEfM50ymLbSwTqK6FqplWd15dSutkvIBNk6F4kkksGribdDtUPhWQLBXC1x29G\n4NKL7snGQ=='

Replace SERIAL with the serial number of the unit.

## Use the WebSocket protocol to connect to a relay server (NMA) and authorization

You can find all the info in the 'Connect to an Ezlo gateway' pdf document I've shared with you in the past. However, once you get the device details above and you know which NMA server to connect to, you can use the request below:

```
{ "method": "loginUserMios", "id": " _ID_", "params": { "MMSAuth":
"eyJFeHBpcmVzljoxNjJzMjMyOTUxLzJHZWV5cmlF0ZWQioE2MjMxNDY1NTEsIlBlcm1pc3Npb25zljpbeyJQS19QZX
JtaXNzaW9uljoxLzJNb2RlIjoxfSx7IIBLX1Blcm1pc3Npb24iOiJslk1vZGUiOiF9LHsiUEtfUGVybWlzc2l2bvil6MywiTW9KZ
Sl6MX0seyJQS19QZXJtaXNzaW9uljo0LzJNb2RlIjoxfSx7IIBLX1Blcm1pc3Npb24iOiJYslk1vZGUiOiF9LHsiUEtfUGVyb
Wlzc2l2bvil6OSwiTW9kZSI6MX0seyJQS19QZXJtaXNzaW9uljoxNCwiTW9kZSI6MX0seyJQS19QZXJtaXNzaW9uljox
NSwiTW9kZSI6MX0seyJQS19QZXJtaXNzaW9uljoxNywiTW9kZSI6MX0seyJQS19QZXJtaXNzaW9uljoxOCwiTW9kZ
Sl6MX0seyJQS19QZXJtaXNzaW9uljoxOSwiTW9kZSI6MX0seyJQS19QZXJtaXNzaW9uljoyMCwiTW9kZSI6MX0sey
JQS19QZXJtaXNzaW9uljoyMSwiTW9kZSI6MX0seyJQS19QZXJtaXNzaW9uljoyMiwiTW9kZSI6MX0seyJQS19QZXJ
taXNzaW9uljoyMywiTW9kZSI6MX0seyJQS19QZXJtaXNzaW9uljoyNSwiTW9kZSI6MX0seyJQS19QZXJtaXNzaW9ul
joyNiwiTW9kZSI6MX0seyJQS19QZXJtaXNzaW9uljoyNywiTW9kZSI6MX0seyJQS19QZXJtaXNzaW9uljoyOCwiTW9
kZSI6MX0seyJQS19QZXJtaXNzaW9uljoyOSwiTW9kZSI6MX0seyJQS19QZXJtaXNzaW9uljozMCwiTW9kZSI6MX0s
eyJQS19QZXJtaXNzaW9uljo0MSwiTW9kZSI6MX0seyJQS19QZXJtaXNzaW9uljo0MiwiTW9kZSI6MX0seyJQS19QZ
XJtaXNzaW9uljo0MywiTW9kZSI6MX0seyJQS19QZXJtaXNzaW9uljo1MiwiTW9kZSI6MX0seyJQS19QZXJtaXNzaW
9uljo2MiwiTW9kZSI6MX0seyJQS19QZXJtaXNzaW9uljo3MiwiTW9kZSI6MX0seyJQS19QZXJtaXNzaW9uljo4MiwiT
W9kZSI6MX0seyJQS19QZXJtaXNzaW9uljo5MiwiTW9kZSI6MX0seyJQS19QZXJtaXNzaW9uljoxMDIsIk1vZGUiOiF9
LHsiUEtfUGVybWlzc2l2bvil6MTeyLzJNb2RlIjoxfSx7IIBLX1Blcm1pc3Npb24iOiEYMiwiTW9kZSI6MX0seyJQS19QZXJt
aXNzaW9uljoxMzIsIk1vZGUiOiF9LHsiUEtfUGVybWlzc2l2bvil6MTQyLzJNb2RlIjoxfSx7IIBLX1Blcm1pc3Npb24iOiE1Mi
wiTW9kZSI6MX0seyJQS19QZXJtaXNzaW9uljoxNjIsIk1vZGUiOiF9LHsiUEtfUGVybWlzc2l2bvil6MTcyLzJNb2RlIjoxfSx
7IIBLX1Blcm1pc3Npb24iOiE4MiwiTW9kZSI6MX0seyJQS19QZXJtaXNzaW9uljoxOTIsIk1vZGUiOiF9LHsiUEtfUGVyb
```





Replace SERIAL with the serial number of the unit.

Send command register through web socket with serial selected above.

## Control an Ezlo hub

All of the information needed is described in the online API: <https://api.ezlo.com/>

Include/Exclude a device: <https://developer.mios.com/api/hub/plugins/zwave/public-scripts/>

Get device details: <https://developer.mios.com/api/hub/devices/api/hub-devices-list/>

Get item details: <https://developer.mios.com/api/hub/items/api/>