myCLOUD manual

What's myCLOUD?

myCLOUD is a service that gives you the opportunity to access your device from anywhere in the world via. secured https link with an internet connection or with a secured VPN connection.
myCLOUD works as a monthly subscription service.

Basically, myCLOUD has two versions (HTTPS secured link and myCLOUD VPN):

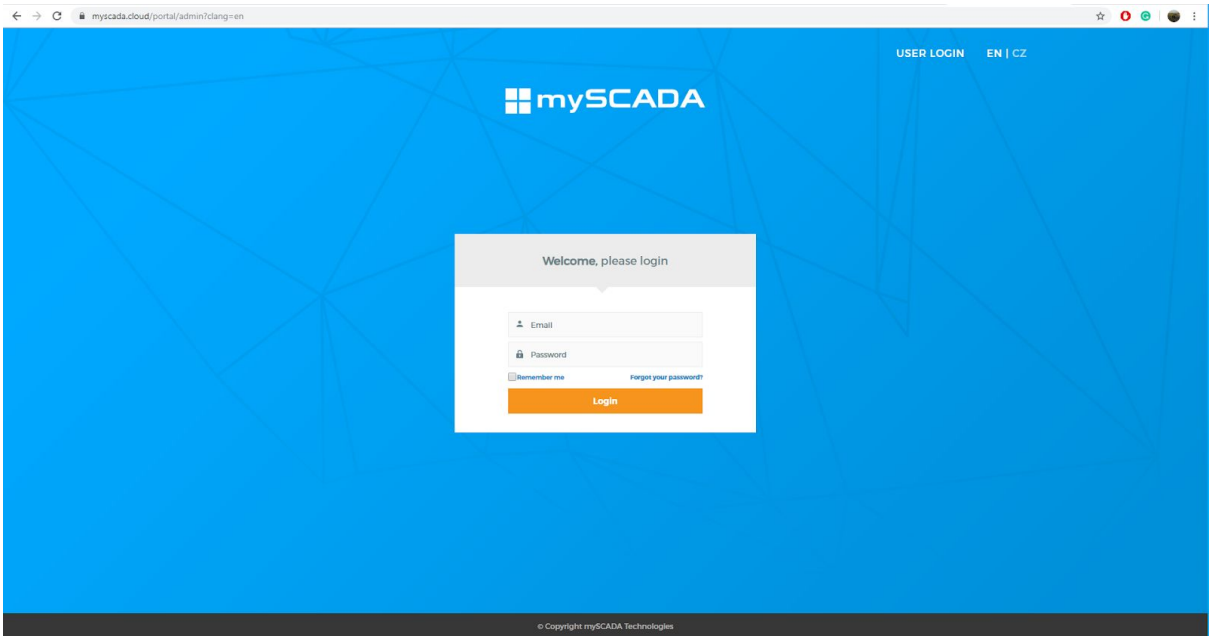
1. myCLOUD HTTPS version gives you access to any mySCADA device (myPANEL, myBOX,…)
   with a secure https link.
   You can control your technology, add users, check graphs, just do as you would normally do by directly taking look into mySCADA HMI.
   And also you can download the project into your device.

2. myCLOUD VPN provides you also access via. secured VPN connection not only to the HMI but also gives you access to the devices behind such as PLC.
   This second version is **only** available using **myBOX** product.
   Basically myBOX will work in this case as a "gateway" to the devices behind it.
   You can as example program PLC behind the box or watch IP cameras just like you would be on the same network (So you can also change project inside device).
   This version of myCLOUD requires you to install our .exe app which can be only installed at **Windows 10 64bit** or **Windows 7 64bit.**

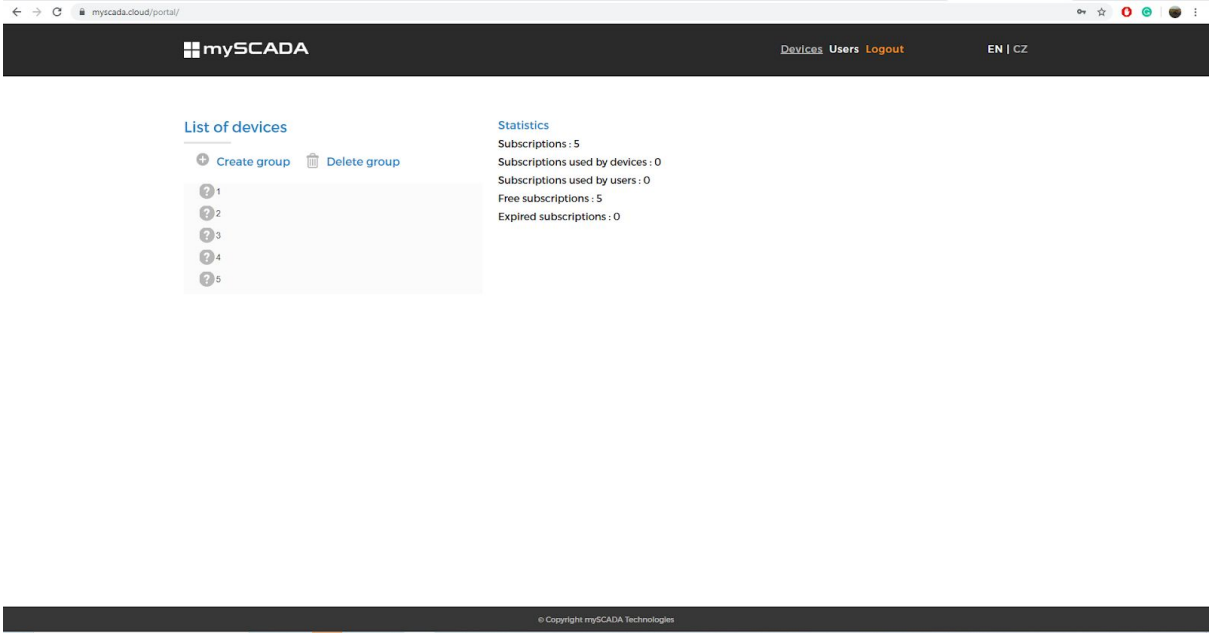
Another OS is not supported!

How to get myCLOUD working on your device?

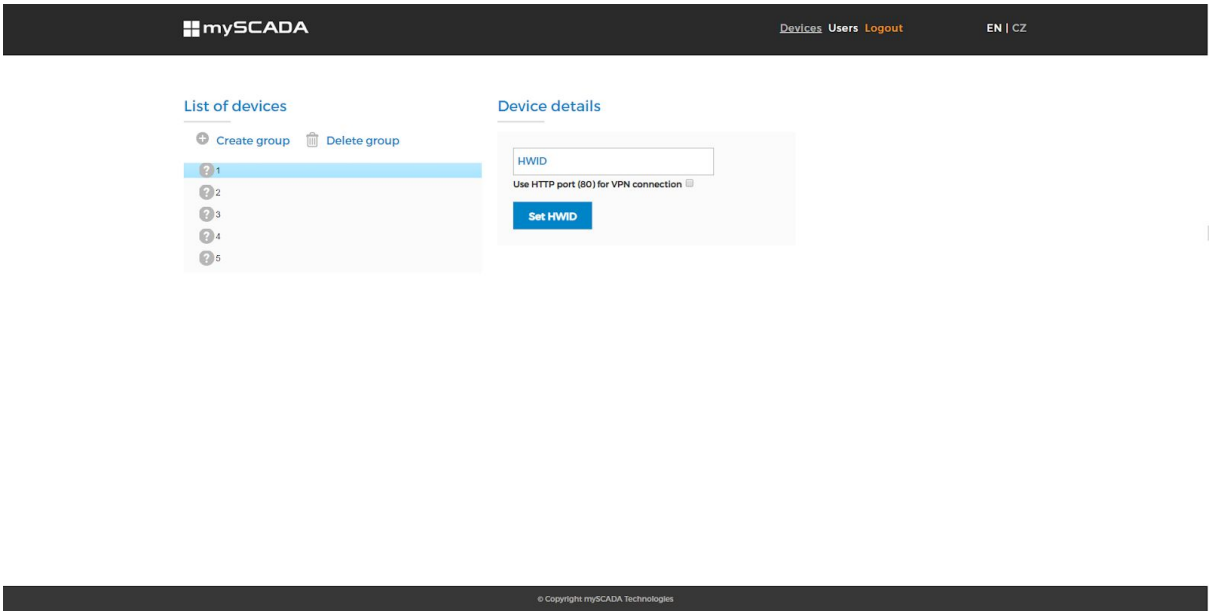
First, you need to purchase myCLOUD subscription on our website.
Which is simple as purchasing any other product, once purchase is completed you can access your myCLOUD account with the same account details as you have been using on our website.
Simply just head to:
https://myscada.cloud/portal/login



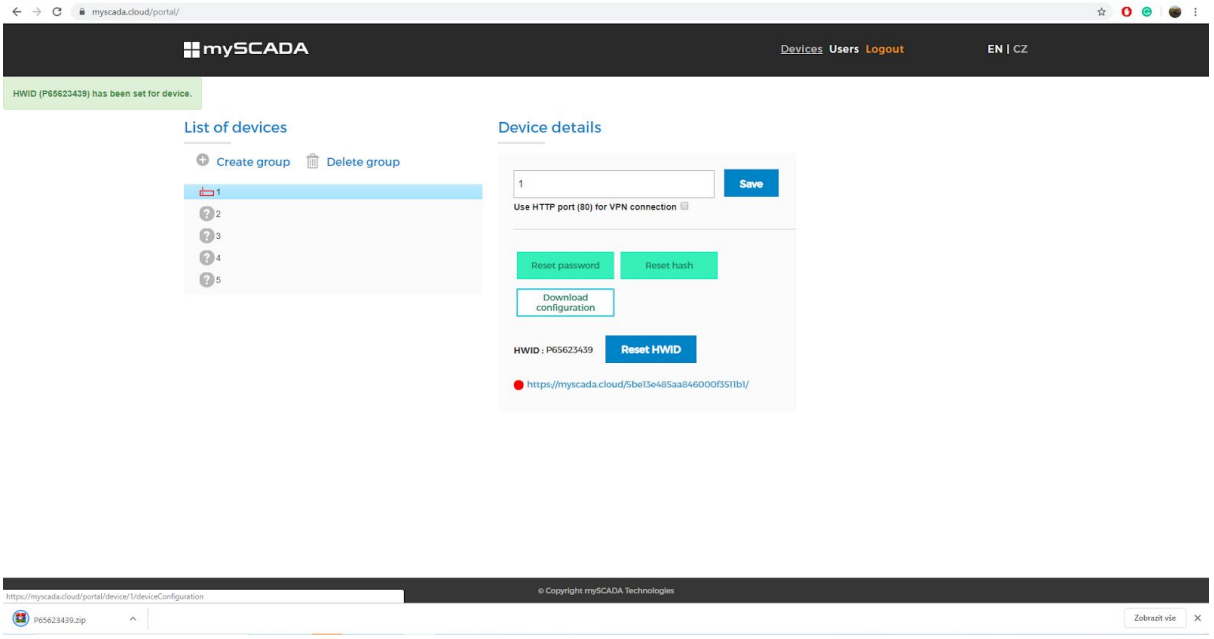
User which purchased a subscription is automatically assigned as an administrator (So that also means you **need** to click in right to corner “Admin Login” and can add users under his account which will have access to his myCLOUD devices and can log in then as a user.

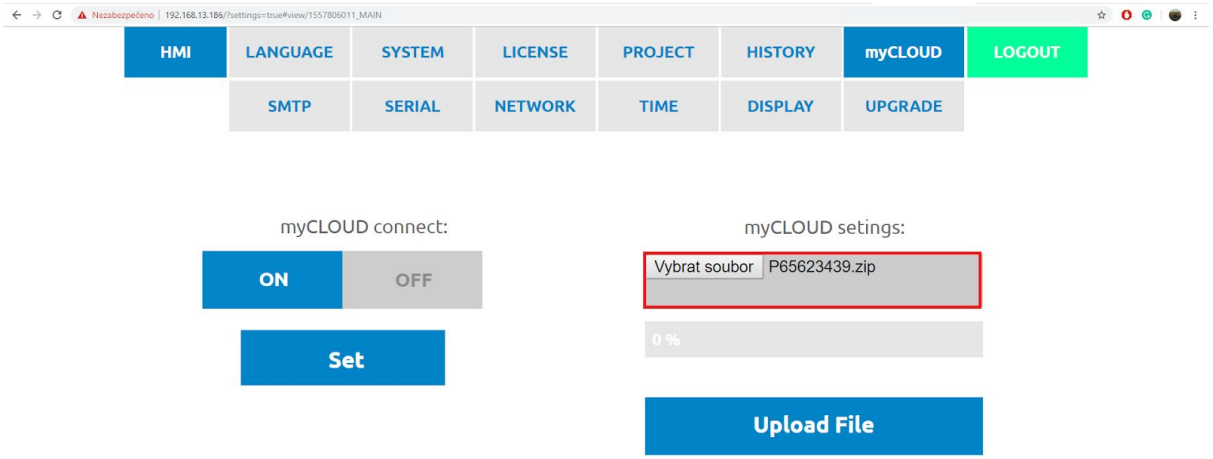


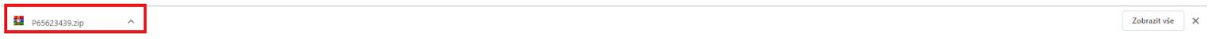
After you log-in you should see a free device which if you click on will ask you to put HW-ID inside, so simply just take HW-ID of your device from “licensing” tab and put HW-ID there and press “Set HW-ID”



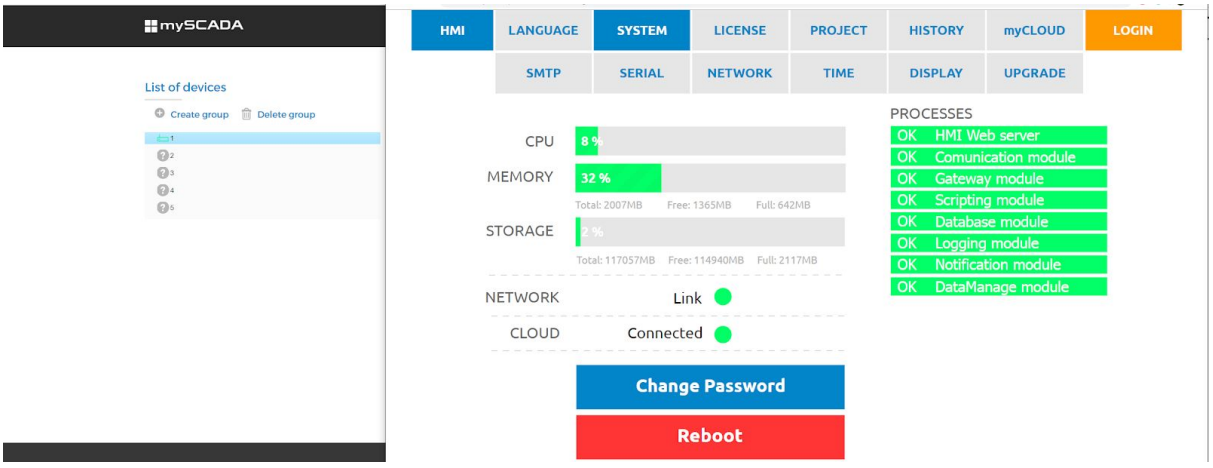
Then you will just simply download configuration and upload it into your device, reboot device and device should automatically connect after reboot if it has a stable internet connection.







And “myCLOUD” should turn green in the settings menu, also should turn green inside a webpage.
https://myscada.cloud/portal



If not, please check your router firewall settings, which could be that the connection is blocked by your firewall or by your provider firewall.

How to download project using myCLOUD?

There is a possibility to download project into device using myCLOUD.

Simply all you need is to have link which is generated on webpage.

Device set-up in myDESIGNER will look then:

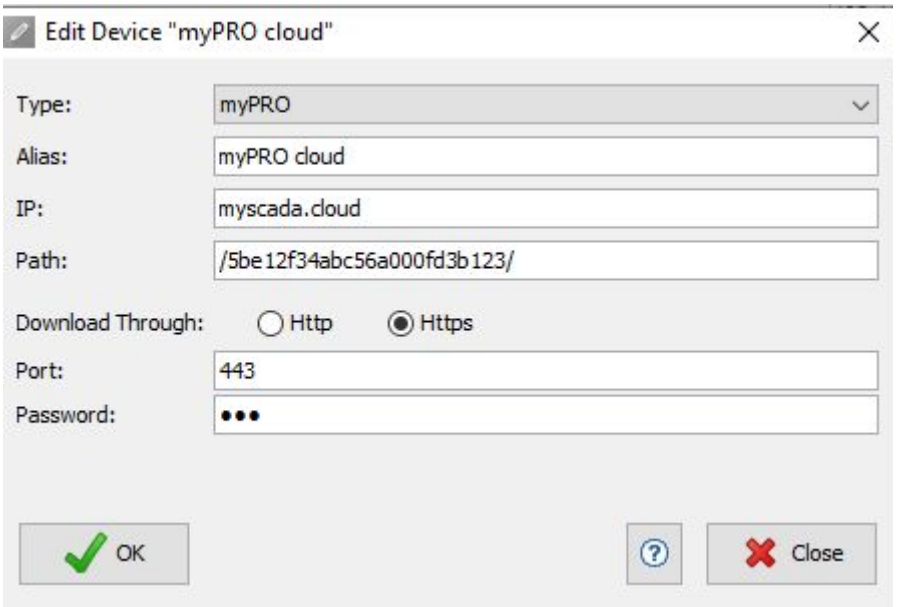
You have whole link now which will look similar to this:

https://myscada.cloud/5be12f34abc56a000fd3b123/

IP: **myscada.cloud**
Path: **/5be12f34abc56a000fd3b123/**
Download Through: It's up on your choice
Same for password and Port depends on your device set up, if you haven't made any changes keep is as default.

If the device is myBOX instead of password it will require **serial number**

Then you simply save connection and test it, should be successful if the connection is successful you can simply download project as you would do normally.

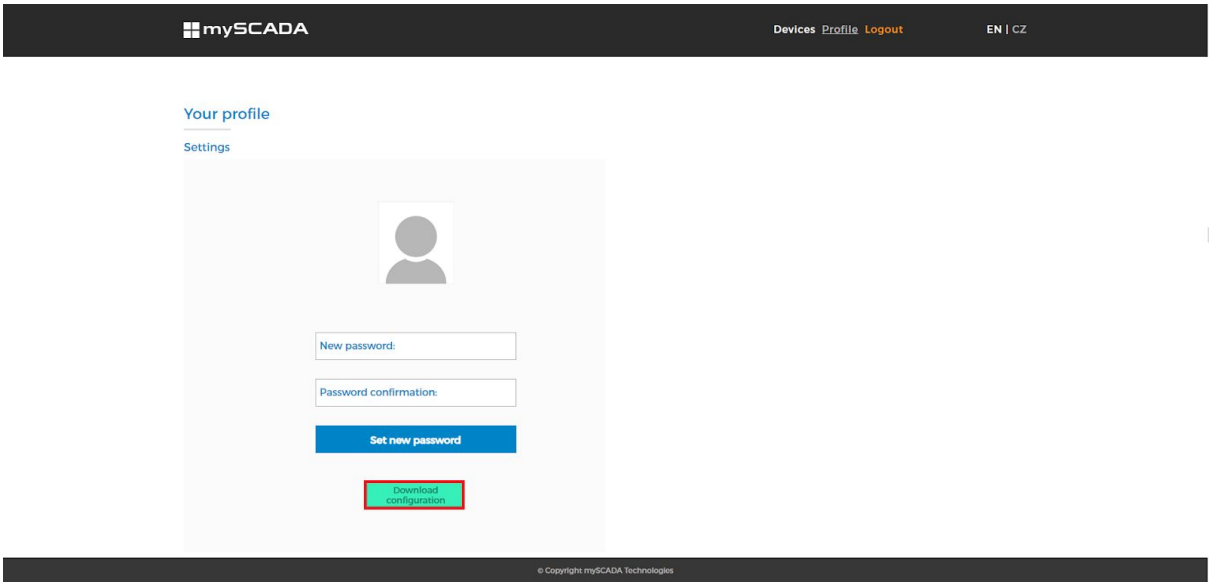


myCLOUD VPN

As we have mentioned before myCLOUD has basically two versions.
To get access behind the devices you need to create user inside the user's tab in

https://myscada.cloud/portal

VPN user **needs to have** **"an activated VPN user"** Which will allow him to connect with myCLOUD VPN.
User will receive all his details on email (User name + password) Then once he is created and has activated VPN user he can log in as **USER** in the portal.
User can set his own password then when he logs in and click on "profile"
Here he needs also to download his configuration which is **needed** later.



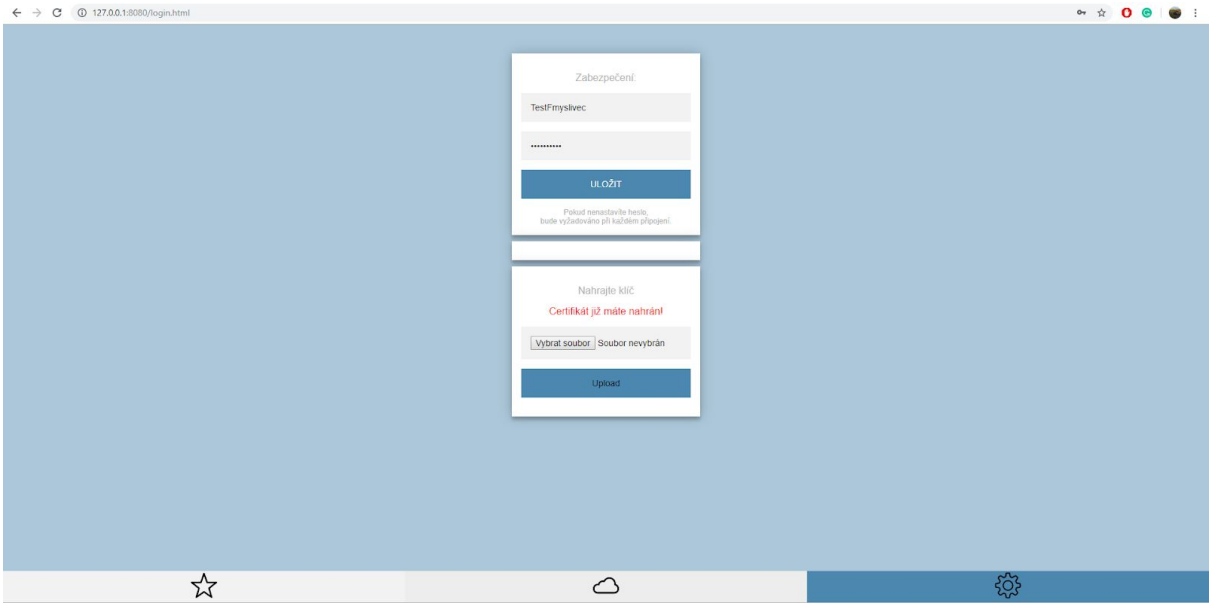
Once the user has everything he will just simply install myCLOUD app.
Which can be also installed together with myPRO or installed alone using myCLOUD.exe
The choice is upon you.

once you are done with installation please **reboot** your computer.

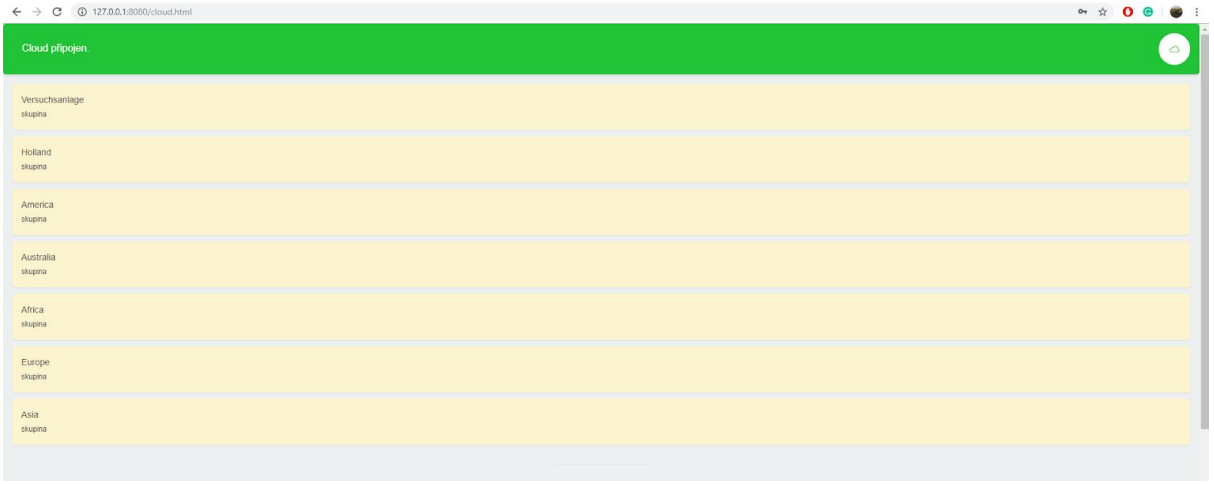
After reboot, you should find on your desktop myCLOUD if you click twice it opens up

Or you can access it directly inside your browser (Preferally Google Chrome) Typing this URL: **http://127.0.0.1:8080/cloud.html**

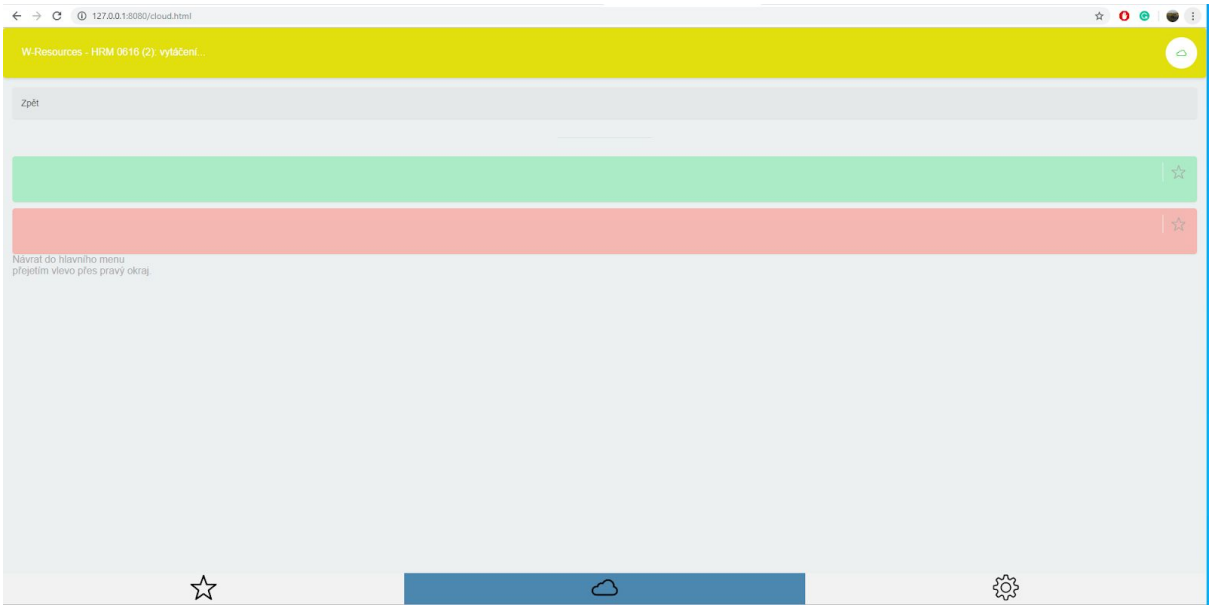
Here you just simply log in with account details that you/user received on his email and provide user configuration file which can be downloaded from the site at user section.



Once you are done devices should appear in the Devices tab.



You can simply dial the device by click once the dial is complete it says “connected” in the upper part of the page, then you are able to ping devices on the network behind myBOX.



Please remember this is only available using myBOX device it won't work with other mySCADA devices!

Note: **EACH** VPN user acts as a **"device"** so **each VPN user requires his own subscription.**

The first purchased subscription will give you basically **ONE spot to register the device and ONE FREE VPN user.**

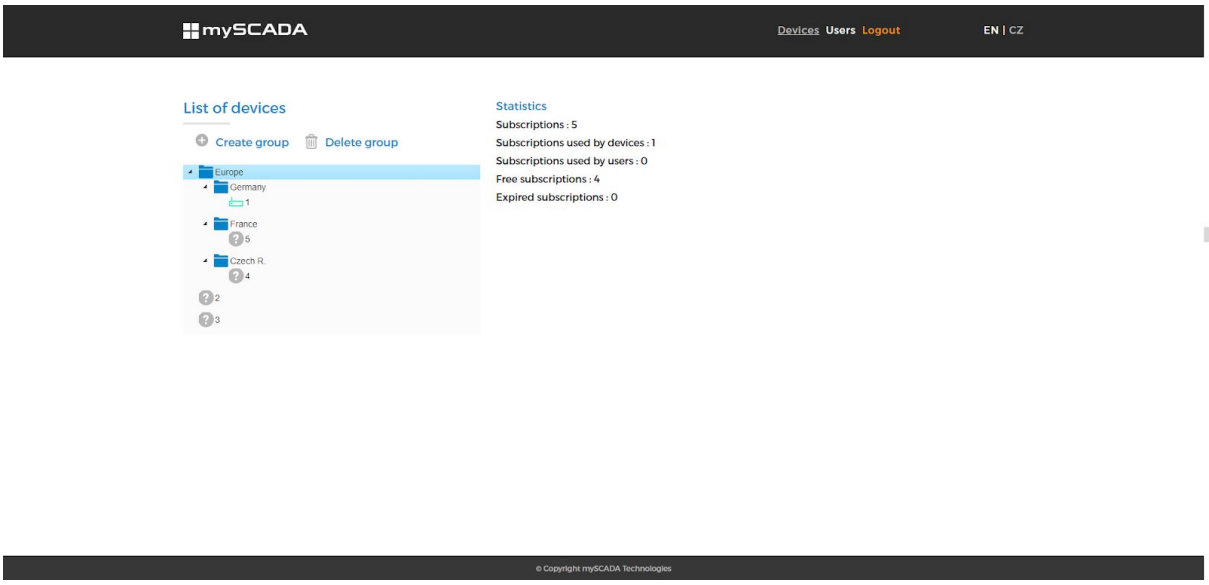
Then one subscription = ONE DEVICE or ONE VPN user (Not both at the same time).

If you are not getting success please check if your firewall isn't blocking the connection time to time happens that ports which are myCLOUD using are being blocked by a firewall of computer or by a firewall which is set by your provider or any IT company on your network.
For that, we have implemented a feature that will make myCLOUD running only true port 80 so you can unblock this port otherwise port which is being used by myCLOUD is generated automatically.

If you still have some issues please contact **support@myscada.org**

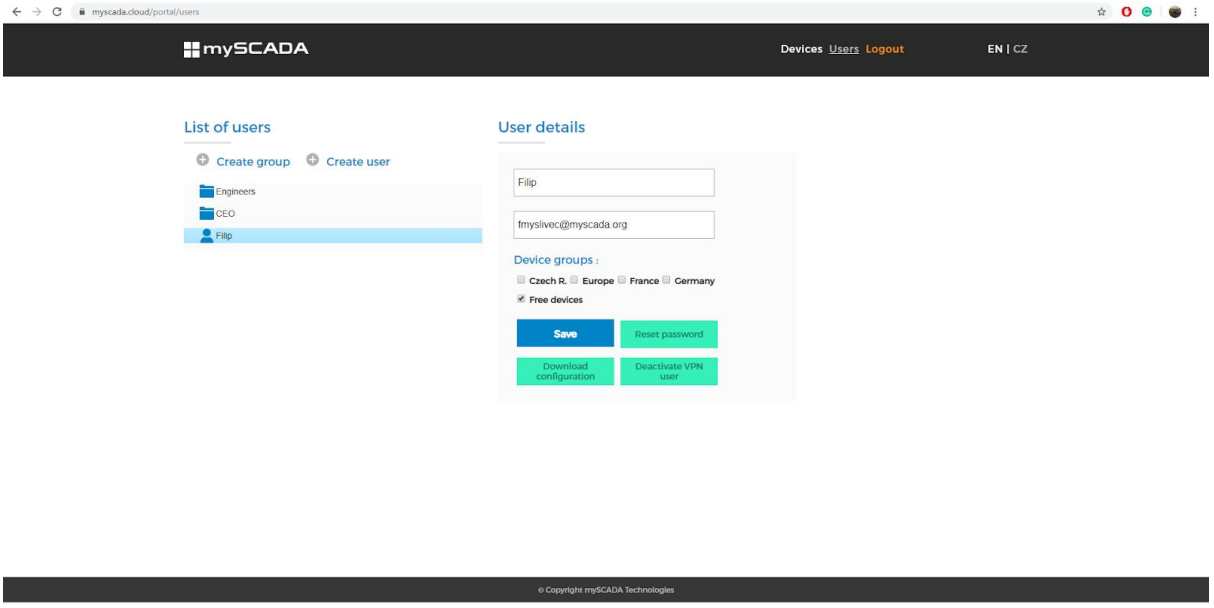
Sorting out your devices and users in groups and sub-groups

To make everything more clear for you and for users inside myCLOUD we have implemented groups and sub-groups. so simple you can create groups by clicking on “create group” or by right-clicking into devices section and it will give you “create group option”.
Each group can have a sub-group.



Once you are done with creating groups, you can simply left-click and drag the device icon on top of a group and it will automatically put the device under group or subgroup.
By right-clicking on the group you can rename the group.

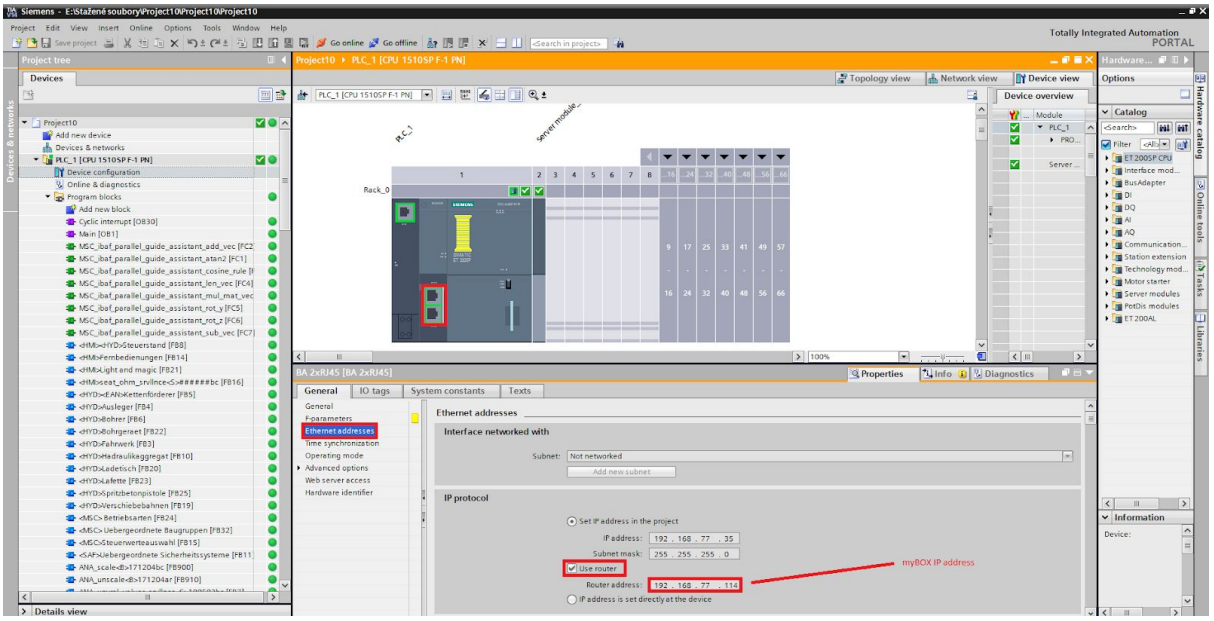
The same can be done with users. But each user can have limited access to groups.
Remember the only administrator can do this!



Connection with TIA portal to Siemens PLC behind the myBOX using myCLOUD VPN

Connection to Siemens PLC using the TIA portal requires additional settings that need to be done in PLC and checked in the project.

Setting up a TIA portal connection to Siemens PLC via. myBOX myCLOUD connection.



A project with checked “Use router” needs to be downloaded in PLC. The IP address of the router is the IP address of myBOX which you connect to via. myCLOUD. Then when you will want to download the project into PLC you need to select the VPN network interface to get a successful connection to PLC.

Connection with Rockwell studio to Rockwell PLC behind the myBOX using myCLOUD VPN

The mapping configuration of the PLC software must be done on a computer that:

• has the PLC software installed;
• is used to access remotely the Ewon.

Once configured, the PLC software knows it can use the remote connection instead of – or in addition to – the local connection. You can configure the mapping with the following procedure:

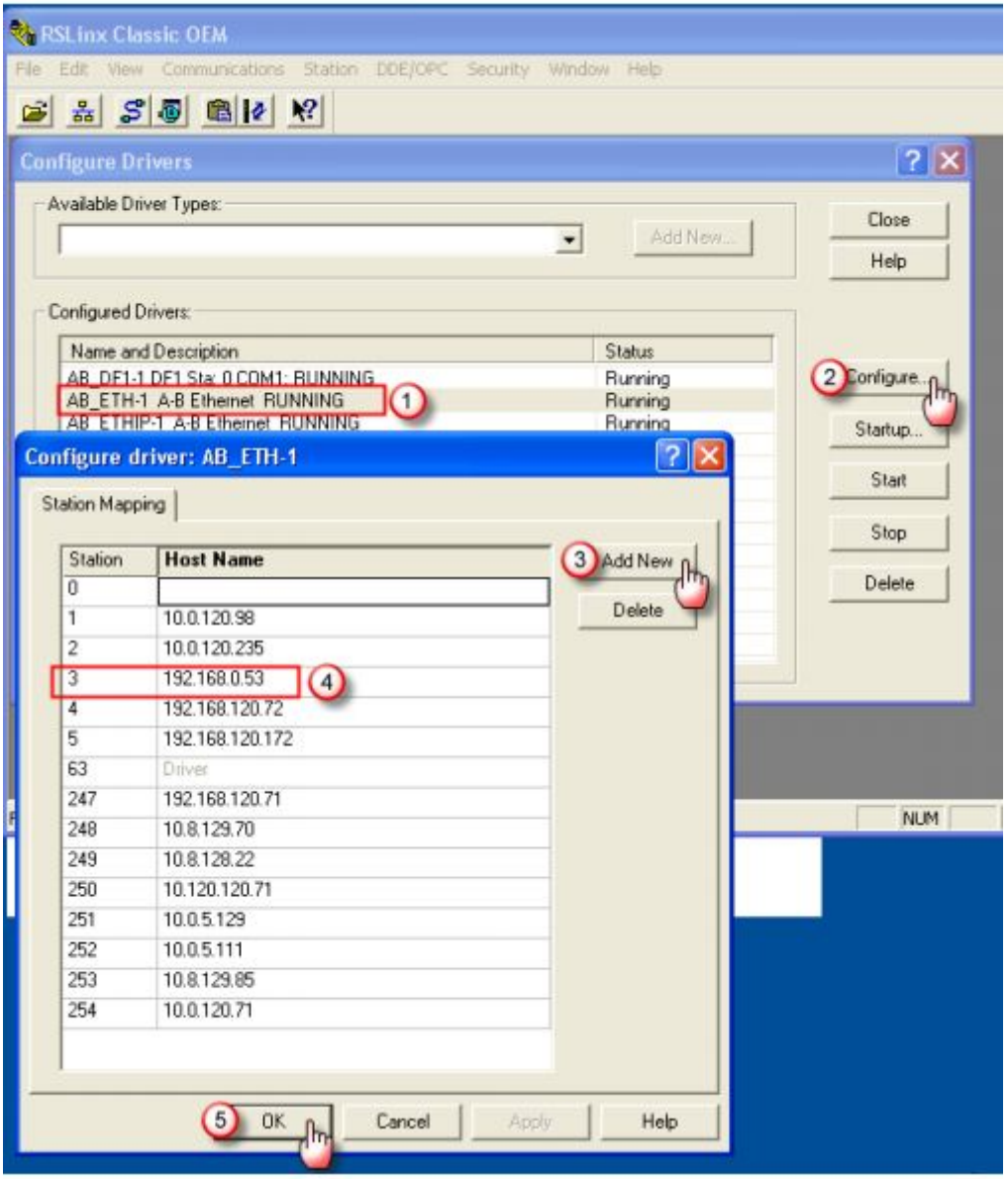
1. Start the **RSLinx** application.
2. Go to **Communications** > **Configure Drivers** from the menu options.

3. Select (or add) the **AB_ETH-1 (Ethernet Devices)** driver.
4. Click the **Configure** button.
5. Click the **Add New** button.

6. Add the IP address that represents the PLC in the Station Mapping table.
This IP address depends on the type of connection between the PLC and the Ewon:

Serial link: enter the LAN IP address of the Ewon (e.g.: in our case, it would be 192.168.0.53)

Ethernet link: enter the IP address of the PLC (e.g.: in our case, respectively 192.168.0.61 for the Logix series and 192.168.0.62 for the SLC500 series).



7. Click **OK** or **Close** to quit the Configure driver window.

8. Go to Communications > RSWho from the RSLinx® menu to check whether your new PLC appears in the list of connected devices.

Allow enough time for the Autobrowser function to find your new device.

You might need to expand manually the driver family that holds your new PLC (e.g.: in our case, it is the AB_ETH-1, Ethernet).