Adquio BACnet Exporter Manual

The Adquio BACnet Exporter is a device designed to work together with any of the controllers in the Adquio ecosystem, therefore, you can use it with an Adquio Mini, Lite, Microserver or an Adquio Server and even an Adquio Link.

As you already know if you have one of these devices in your hands, its connections are very basic, since it only has an Ethernet port and a power connector.

The Ethernet port has a triple purpose:
- On one hand, connect to the Adquio controller and extract all the necessary data from it to serve it via BACnet IP.
- On the other hand, precisely that, serving all the data through this very popular protocol.
- Finally, the web configuration interface is also useful. This interface, accessible through a browser, allows the user to select the variables they wish to share from among all those managed by the Adquio controller.

How do I connect it to the Adquio controller?

All Adquio controllers have two IP addresses configured by default on their Ethernet WAN port. One is received via DHCP from the client's network, or it is statically assigned by the user. Additionally, they have a fixed IP address on that same interface, which is always 172.20.20.1.

Therefore, by default, Adquio BACnet Exporter will always be configured to look for the controller at that address. For special cases, you can always change this IP address from the web interface.

Similarly, Adquio BACnet Exporter will be configured with a static IP address, 172.20.20.250. This will allow it to see the Adquio controllers within this range. However, it will also obtain an additional IP address from the client's network. This allows the device that needs to receive the data to also operate within the client's network range.

- If you are connecting it to an Adquio Lite or a Microserver, you can connect it to its LAN ports, so you won't need an external switch.
- For Adquio Mini and Adquio Server, you will need a switch that allows the connection between the devices and the client network.
- If you use Adquio Link, you will need to speak with our technicians to establish a secure connection between your Adquio Virtual controller and your Adquio BACnet Exporter.

The final step before attempting to connect the expansion is to create a user and password in Adquio so that Adquio BACnet Exporter can connect to it.

To do this you must go to the System and Device Server menu.

Servidor de dispositivos

Estado

Activado

Estado: Activado

Puerto TCP: 7900

El 'servidor de dispositivos' permite compartir los dispositos con otros Adquio. Para co

Control de acceso

Usuarios

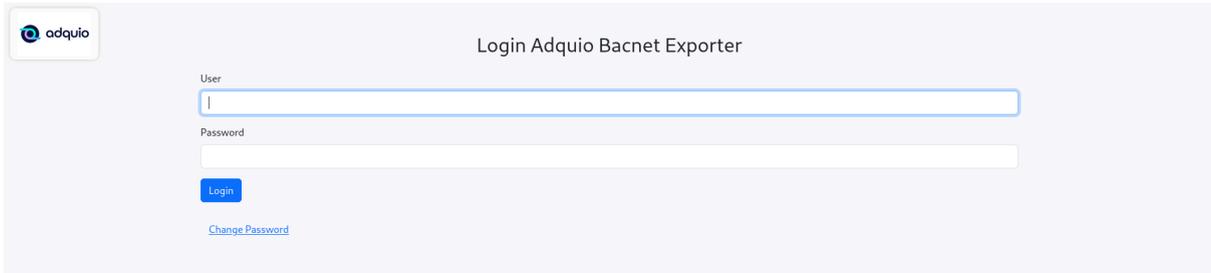| Usuario	Password
Adquio_WS	👁 Adqu10W5

Simply create a user named:`I accept_WS`and enter the password:`Adqu10W5`

With this, you can now access your wired expansion via a web browser at IP address 172.20.20.250. Remember to configure your computer to use an IP address within the same range to access it. You can also access the device via Wi-Fi at IP address 172.20.20.1. Its name will be**AdquioBacnetExporter**and the password:**oiuqda-0m3d.**

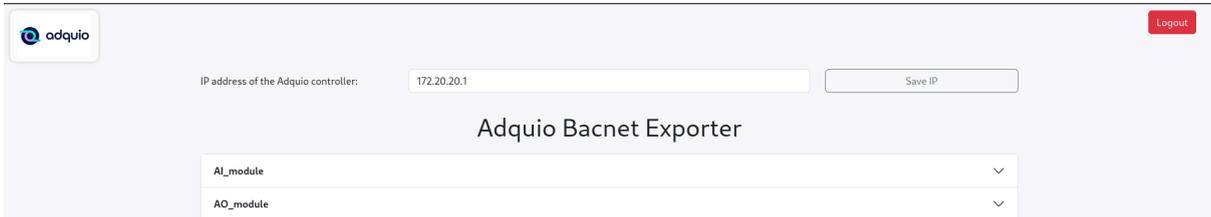# How to operate with Adquio BACnet Exporter?

Access to the interface

When you connect, this will be the first thing you see:

The default user is:**admin**and the password:**123456**

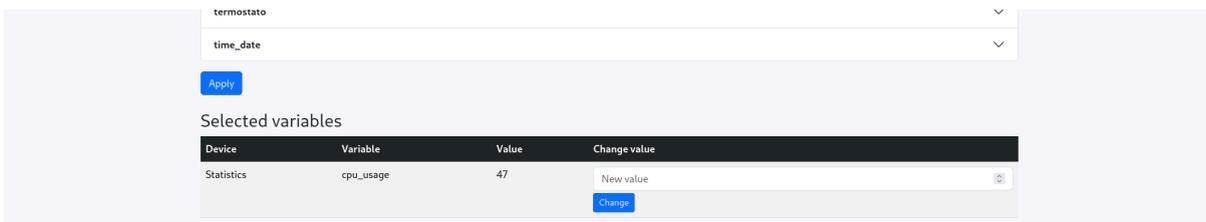## Configuration of variables to be exported.

Once the user is validated, you will enter the device and see a very simple interface.

- At the top, you have a field where you can enter the IP address of the Arquio controller that will act as the data provider. It should work by default without needing to be changed, as all Adquio devices have this IP address: Adquio Mini and Adquio Server on their single WAN port, and Adquio Lite on its LAN ports.
- Below you will see all the devices of the current controller you are connected to; clicking on the arrow at the bottom right will open it.

- Within each of these devices, you'll see content similar to this, where you can select the variables you need to export one by one. Alternatively, you can select them all in the upper left corner.

- Once you have finished your selection, click the "Apply" button in the bottom left corner of the device list. This will move all the selected devices to the bottom of the list. This action will then export that set of variables via BACnet.
- You'll see that each variable has a field where you can write. This field serves a dual purpose: you can check the current value of each variable being exported, and you can change that value to verify that communication with the controller is working correctly. Normally, you don't need to use this option.
- That's it! Your variables are now being exported. You can use a BACnet explorer to check and get the addresses. We recommend...Yabe (Yet Another BACnet Explorer)