Setting up the device

Make sure that the GNSS antenna is mounted with a good 360° view to the sky and in such a way that it will not move while active. Plug-in the USB-C power supply to start operation.

Under no circumstances should the GNSS antenna be re-positioned while the device is powered. If you need to change the antenna location, unplug the device power, change the antenna position and then, with the antenna tightly fixed, power on the device again.

Wi-Fi Connection and Internet Setup

Connect to the Device's Wi-Fi:

1. Find and connect to the ESP32_XXXXXX (where XXXXXX is a unique number) device's Wi-Fi network on your phone, PC, or Mac. Open a browser and navigate to http://192.168.4.1. (not https://) where you should be greeted by the configuration page:

Enable the WiFi module by clicking on the switch marked **"1"** in the screenshoot above. This will un-blur the WiFi configuration under **"2".**

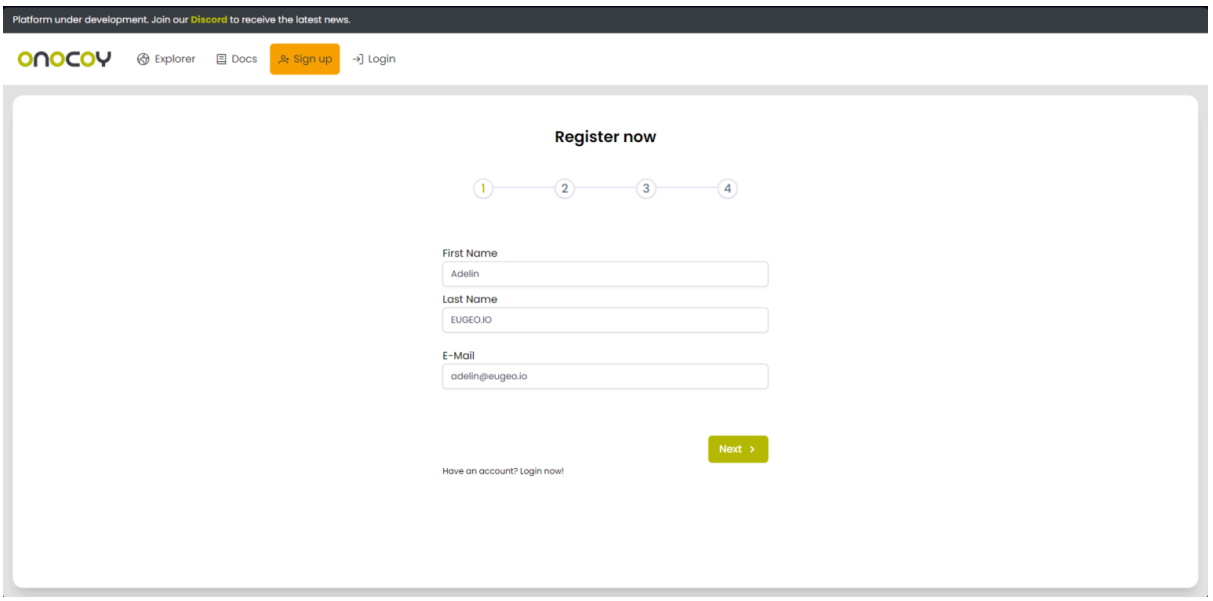
Enter your Wi-Fi SSID and password to connect the device to your home network and then press "send" button marked **"3".**

The device will reboot, and the status LED will eventually indicate the Wi-Fi connection (blue double blink).

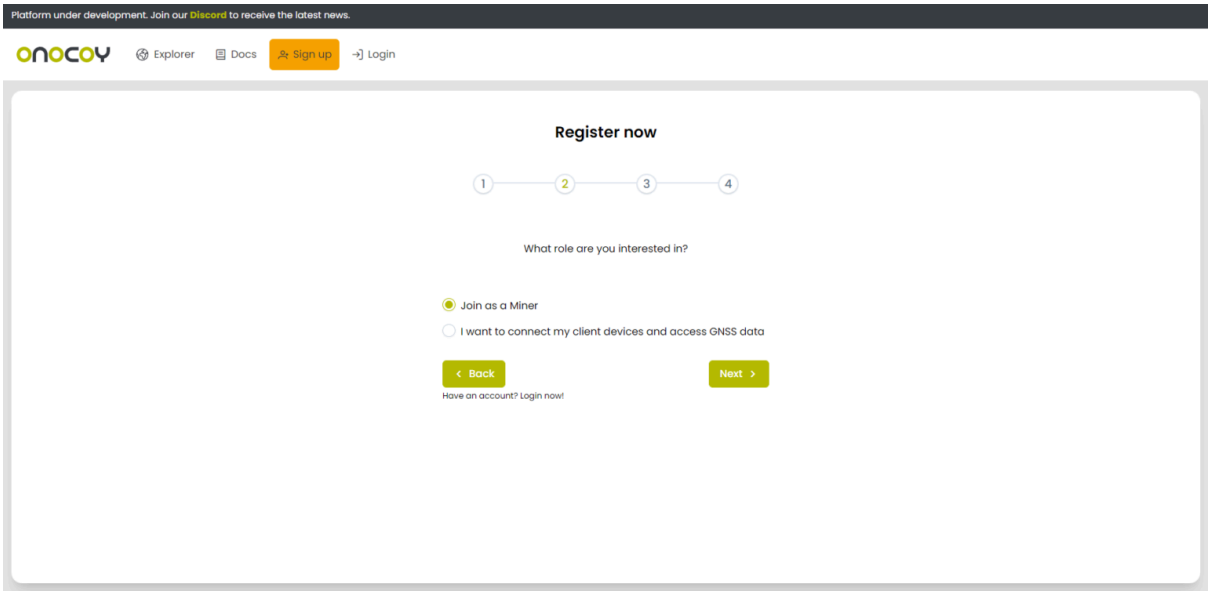
Register/login on console.onocoy.com/explorer

If we don't already have an account created select the **"Sign Up"** button and follow these steps:

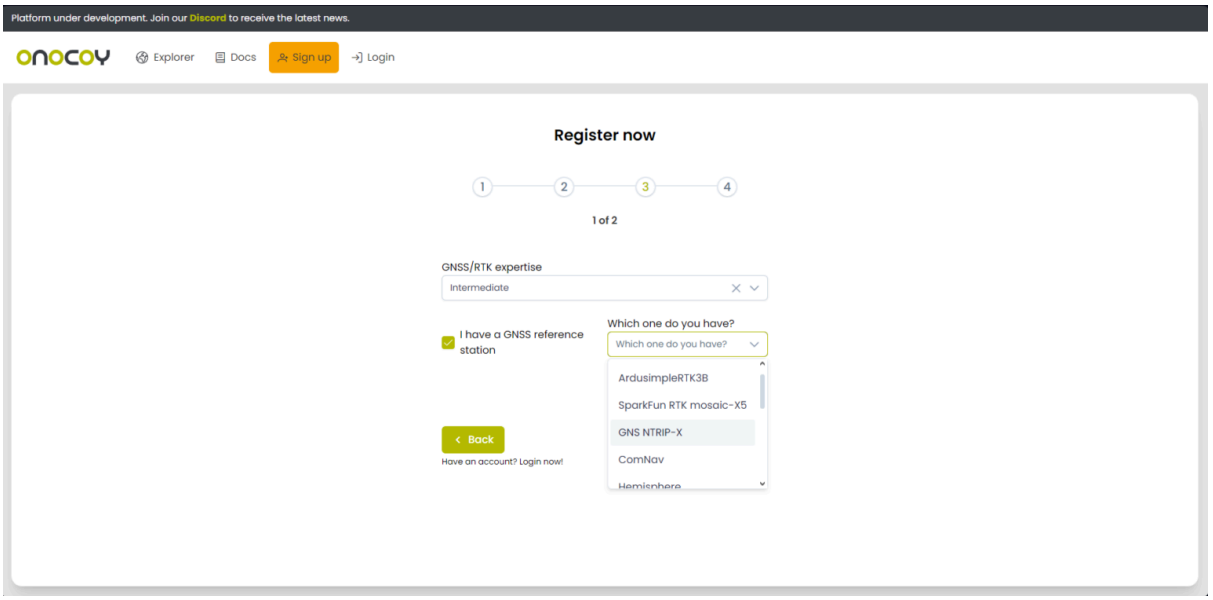
Step 1. Fill in the First Name, Last Name and e-mail address fields



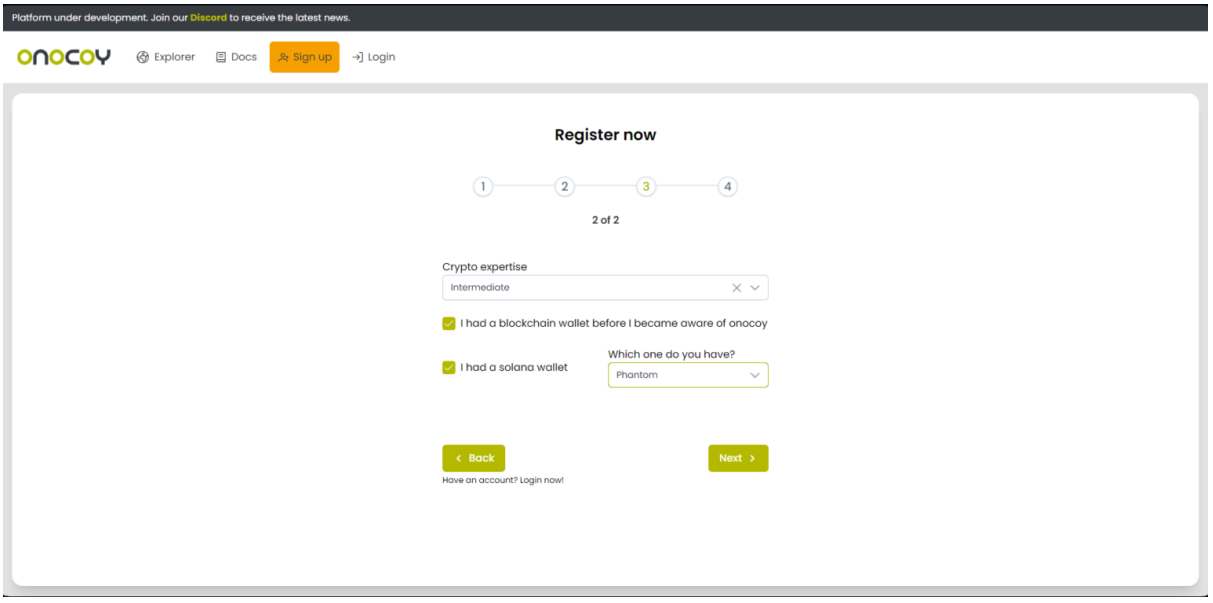
Step 2. Select the **“Join as a Miner”** role



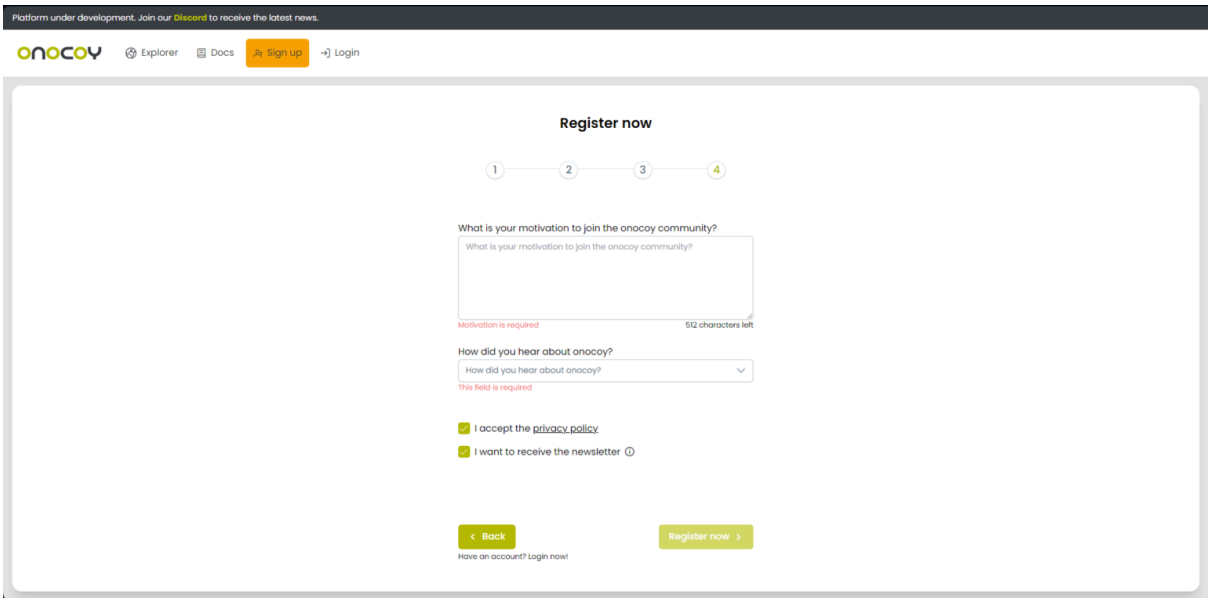
Step 3.1. Select one of the options in the **“GNSS/RTK expertise”** field and check the **“I have a GNSS reference station”** checkbox. Search the attached list for the OTHER. Type your station name…



Step 3.2. Select one of the options in the **“Crypto expertise”** field. We recommend installing the solana Phantom wallet (browser extension) to receive the reward for mining.



Step 4 Answer the 2 questions and check the box (mandatory) **“I accept the privacy policy”**. Then click the **“Register now”** button

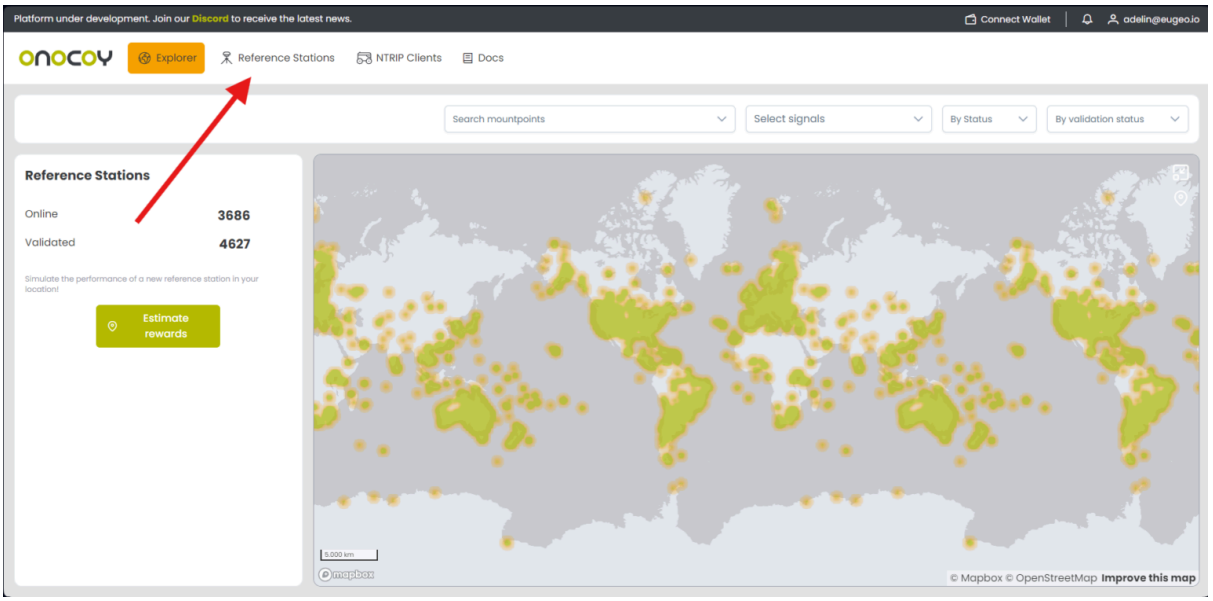


After completing these steps we just need to confirm our e-mail address.

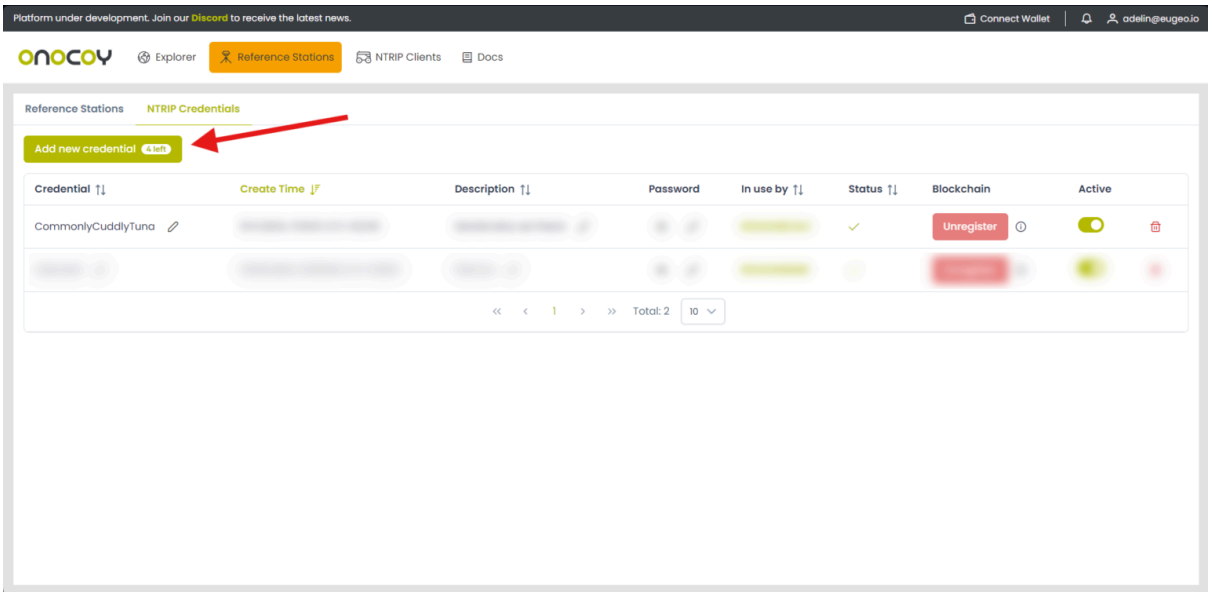
If you already have an account created, ignore these steps and log in directly.

Adding the device in onocoy explorer

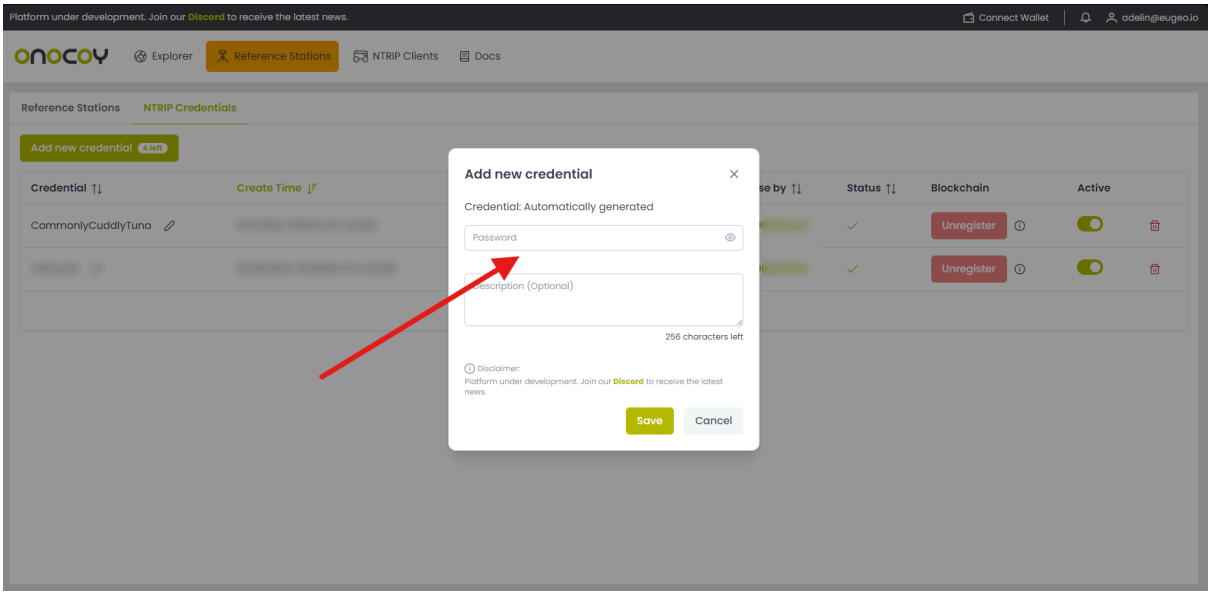
Go to the **“Reference Stations”** button, then **“NTRIP Credentials”** to add a new miner. Up to 3 miners can be added per new account. If you want to add to many it is necessary to send e-mail to info@onocoy.com



The device name/credential will be generated automatically, you only need to set a password and a description (optional) to easily identify the device.

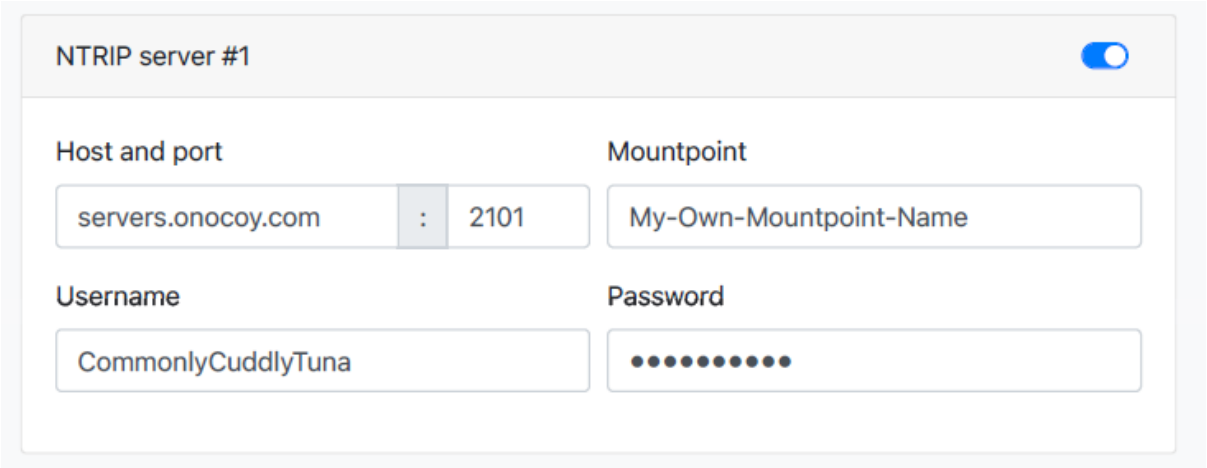


Before proceeding to the next step you should note down the device name and password as they are necessary for the configuration of the miner.



Configuring the NTRIP Client – Onocoy

After connecting the Wi-Fi network and securing the device, the NTRIP client needs to be configured to connect to an NTRIP server of your choice.
Enable the NTRIP client module by clicking on the switch in the upper right corner of the NTRIP client pane which will unblur the configuration area:



Enter the host name or IP address of the NTRIP server of your choice and change the port number if necessary, the standard port 2101 is pre-selected.
For onocoy: servers.onocoy.com

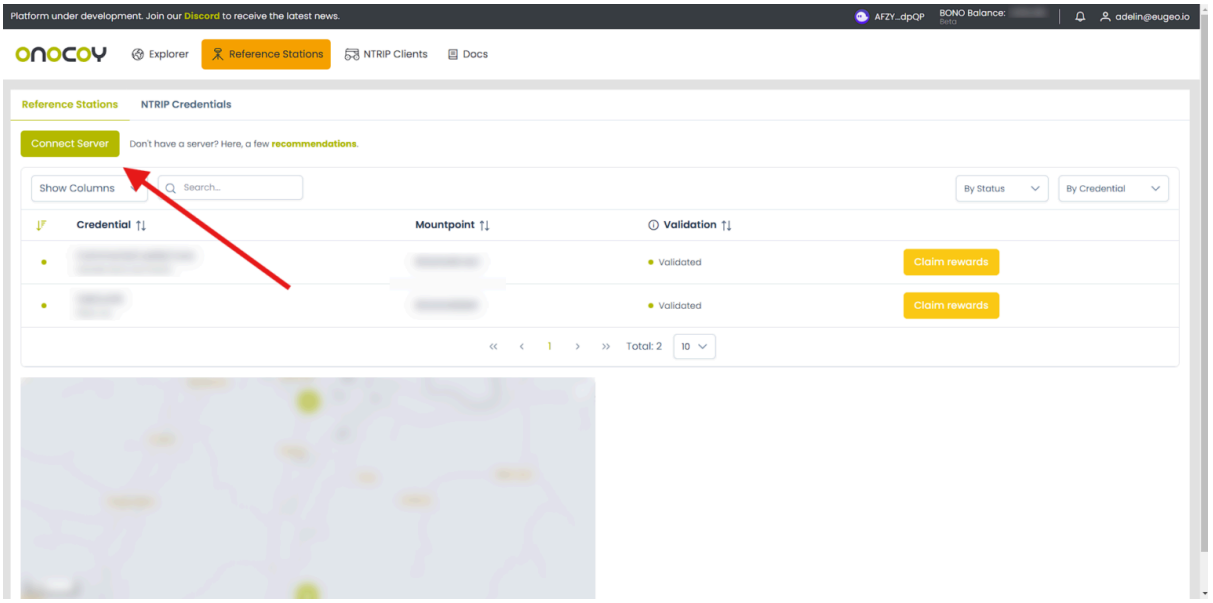
Enter the Mountpoint, Username and Password as supplied by the NTRIP server administrator and click the 'Submit' Button to activate the changes.

Mountpoint and Username are your credential name!
Dont use your account name as username

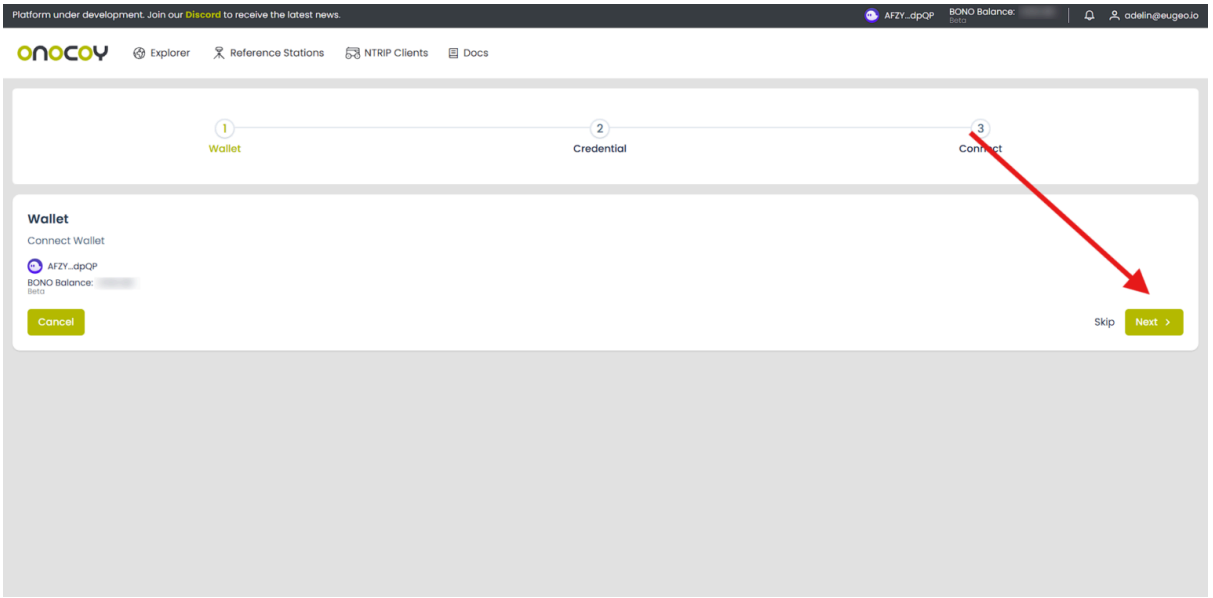
Final setup:

After completing the steps explained above, we have installed the Solana Phantom wallet (extension in the browser) we just need to add the miner in the console.

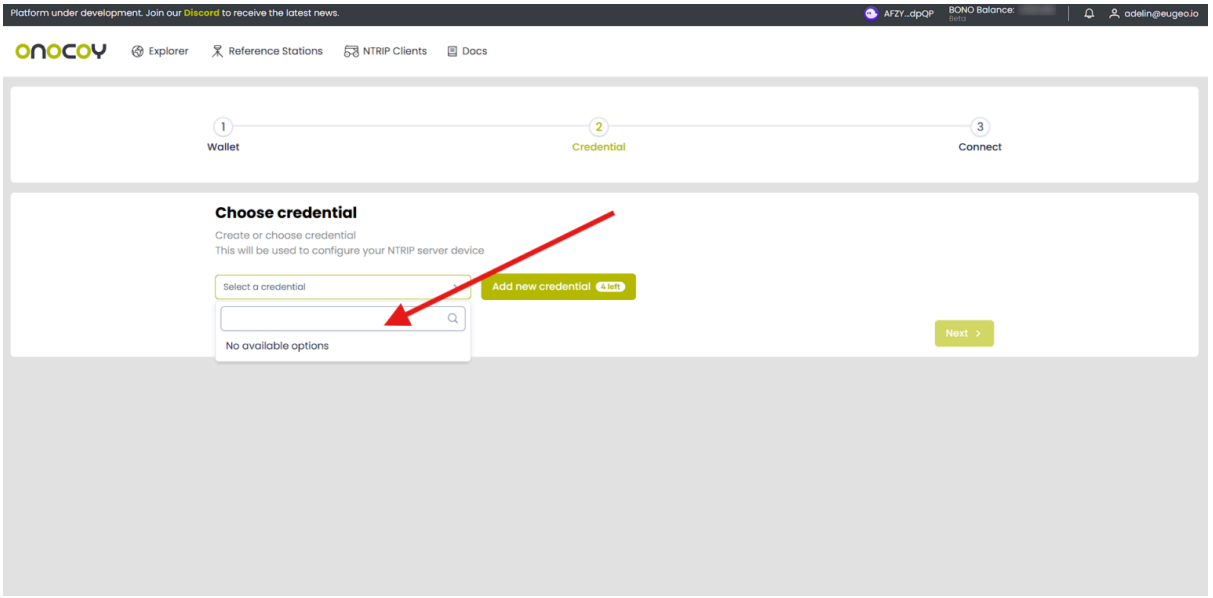
We will go to the Reference Stations section again, then click the “Connect Server” button.



If the wallet is connected to the account it should be visible in this step. Press the **“Next”** button to proceed to the next step **“Credentials”**



In the following we will select our device from the list and press the **“Next”** button.



Finally, the last step (3) is where our device is displayed, connects to the blockchain and starts mining.