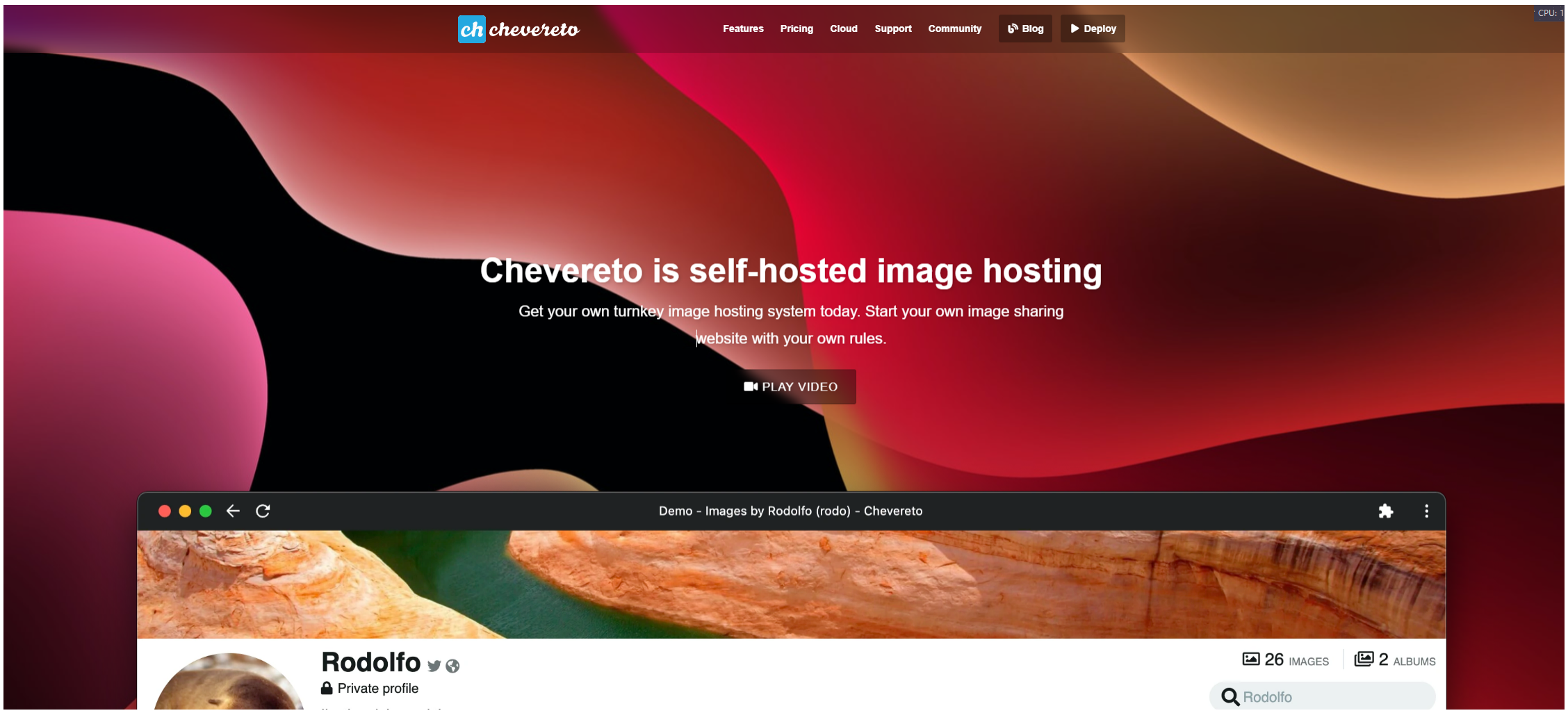
Chevereto Installation Manual

1. Introduction

`Chevereto` is self-hosted image hosting, which means you can build a personal image sharing website with your own rules.

if you like more details about `chevereto`, go to official website: https://chevereto.com/?lang=en



`Chevereto` has many advantages, such as easy to construction, user-friendly configuration and powerful functions.

Thus we choose to use this framework as our cartoon converter platform.

Now I would like to tell how to use `chevereto` and build you own website.

2. Configure Environment

Configuration Environment List:

- Synology System
- PHP7.4 & phpMyAdmin
- MariaDB 10 or MySQL 5.7
- Apache HTTP Server 2.4

Of course, you can configure these packages in linux, here I use Synology as an example.

Here I want to explain the purpose of these packages:

- What is `PHP7.4` used for ?
  - `PHP7.4` is used to parse `php` code, and Chevereto is written in `php`. The `php` language could dynamically generates web pages, that is, the effects we see on websites are generated by `php`.
  - If you want to know more about `PHP7.4`, please go to the website: https://www.php.net/

- What are `MariaDB` or `MySQL` used for ?
  - Whatever `MariaDB` or `MySQL`, there are all the database systems. Chevereto needs the database to store some important information, such as the data or user, the data of pictures and so on. Besides, `MariaDB` is a branch of `MySQL`, which means the operation of these two database systems are almost the same.
  - If you want to know more about `MariaDB or MySQL`, please go to the website: https://mariadb.org/

- What is `phpMyAdmin` used for ?
  - `PhpMyAdmin` is a web page for database visual management. generally, we will use terminal and input command to operate on the database. Now with the help of `phpMyAdmin`, we can just click some buttons in web page to complete all the changes to the database.
  - If you want to know more about `phpMyAdmin`, please go to the website: https://www.phpmyadmin.net/

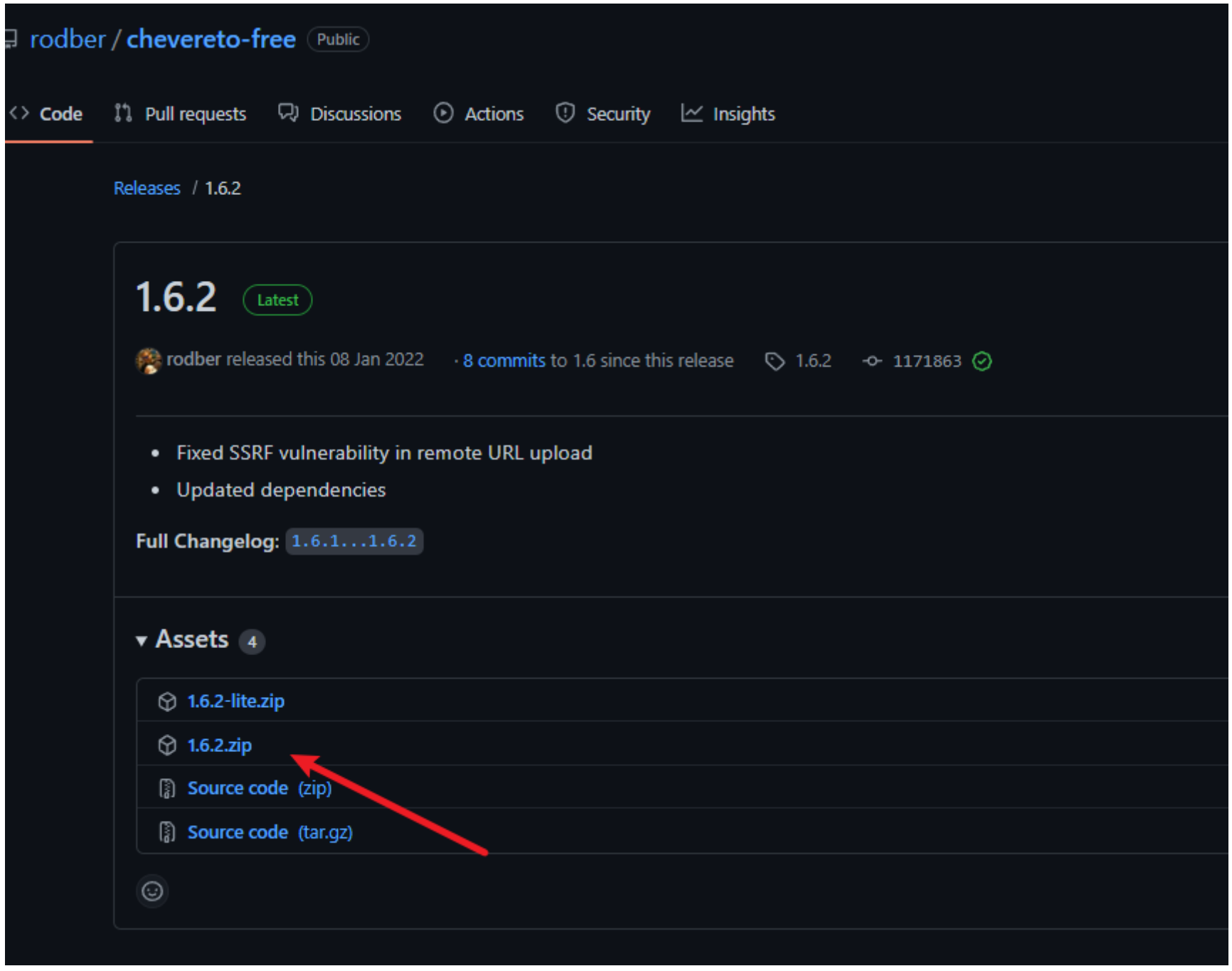
- What is `Apache HTTP Server` used for ?
  - The `Apache HTTP Server` is the most popular web server on the Internet. Web Server can handle the user requests, which simply means that when a user visits our server, web server will find a way to return our pre-deployed web pages to the user.
  - If you want to know more about `Apache HTTP Server`, please go to the website: https://httpd.apache.org/

2.1 Download `zip` file of `chevereto` from github

`Chevereto` provide free version, and github page is: https://github.com/rodber/chevereto-free

if you want to download directly, you can go to page: https://github.com/rodber/chevereto-free/releases/tag/1.6.2

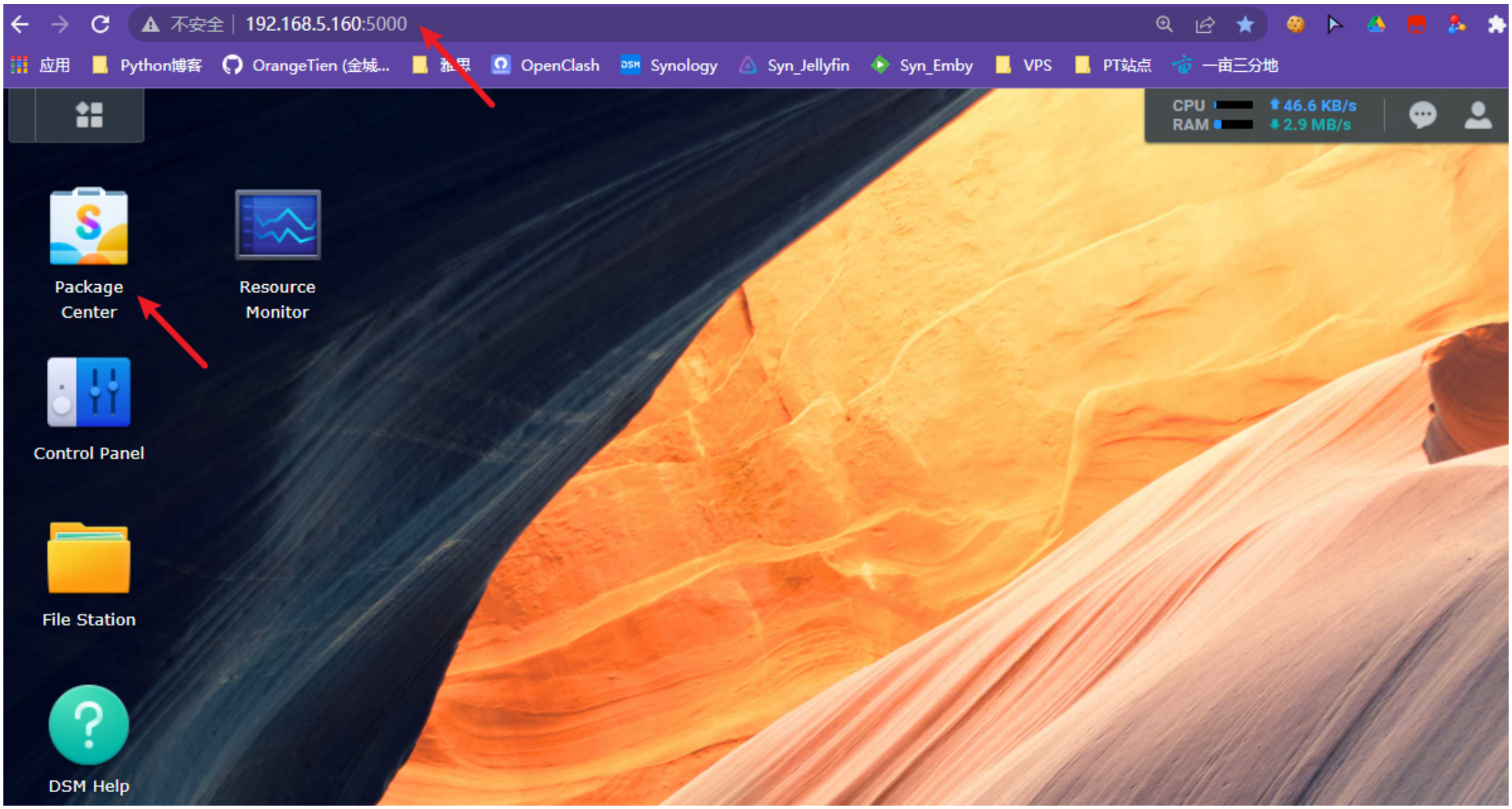
and I recommend you download version 6.2



2.2 Install `PHP7.4` & `phpMyAdmin`

Making sure that you have the Synology system, or else you have to use many complex command in linux to install these tools.

Now open your `Package Center`

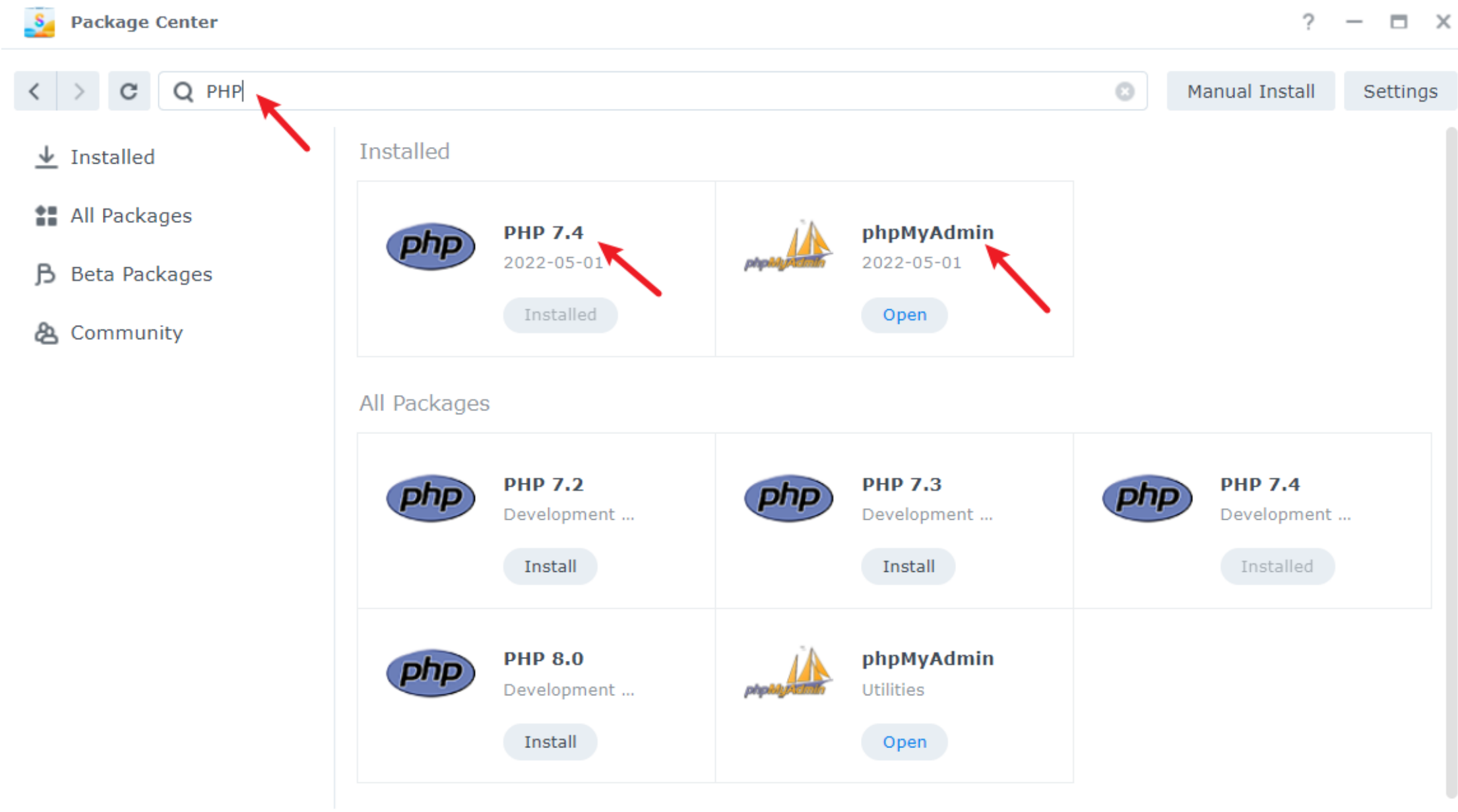


Typing `PHP` to search the packages

As you can see, there are variety of `PHP` version you can install, here you would better to choose version 7.4

Just like what I did, install `PHP7.4` and `phpMyAdmin`

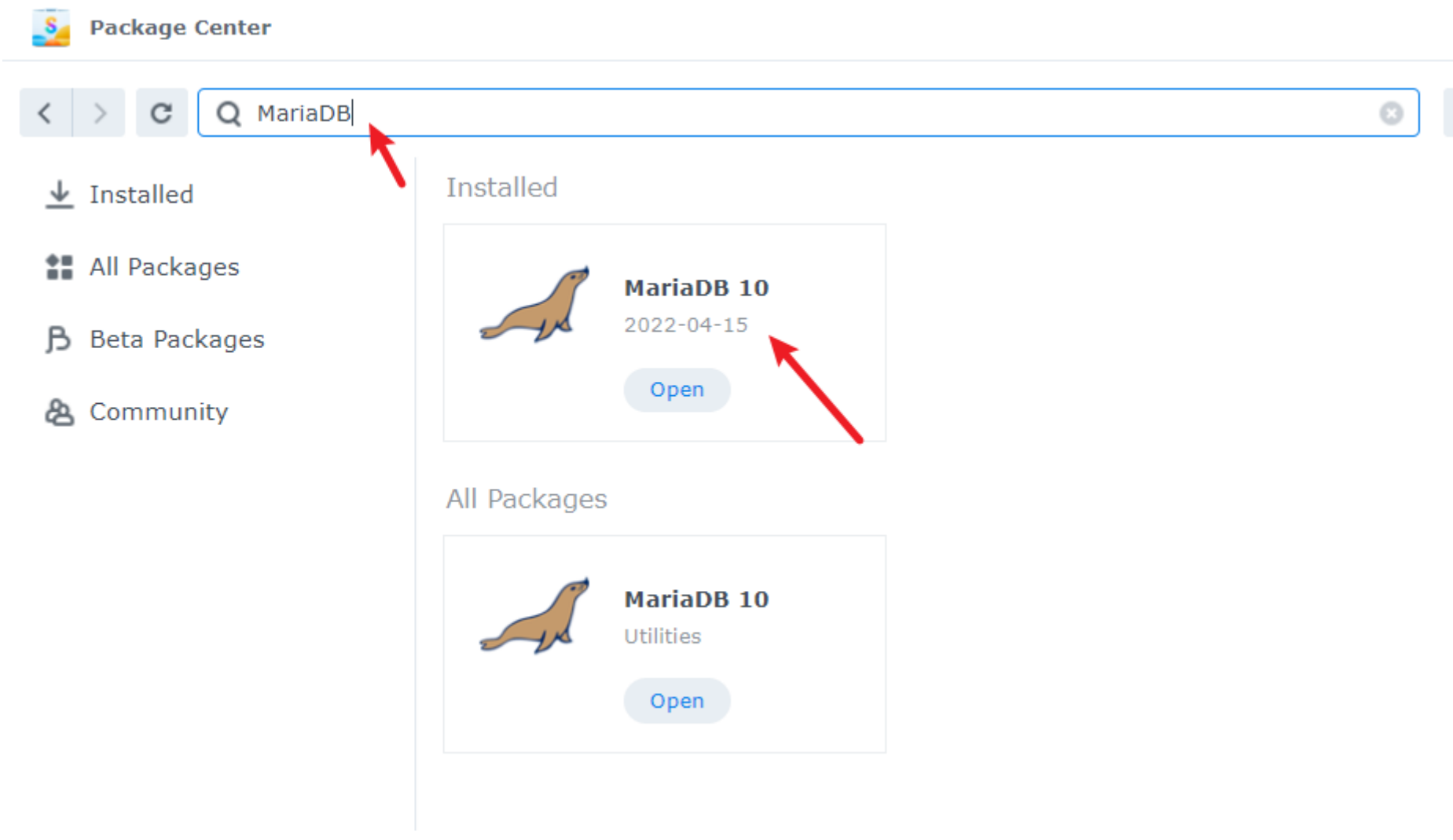
You don't need to do anything during the installation process, just wait for it to quietly install.



2.3 Install Database System - `MariaDB`

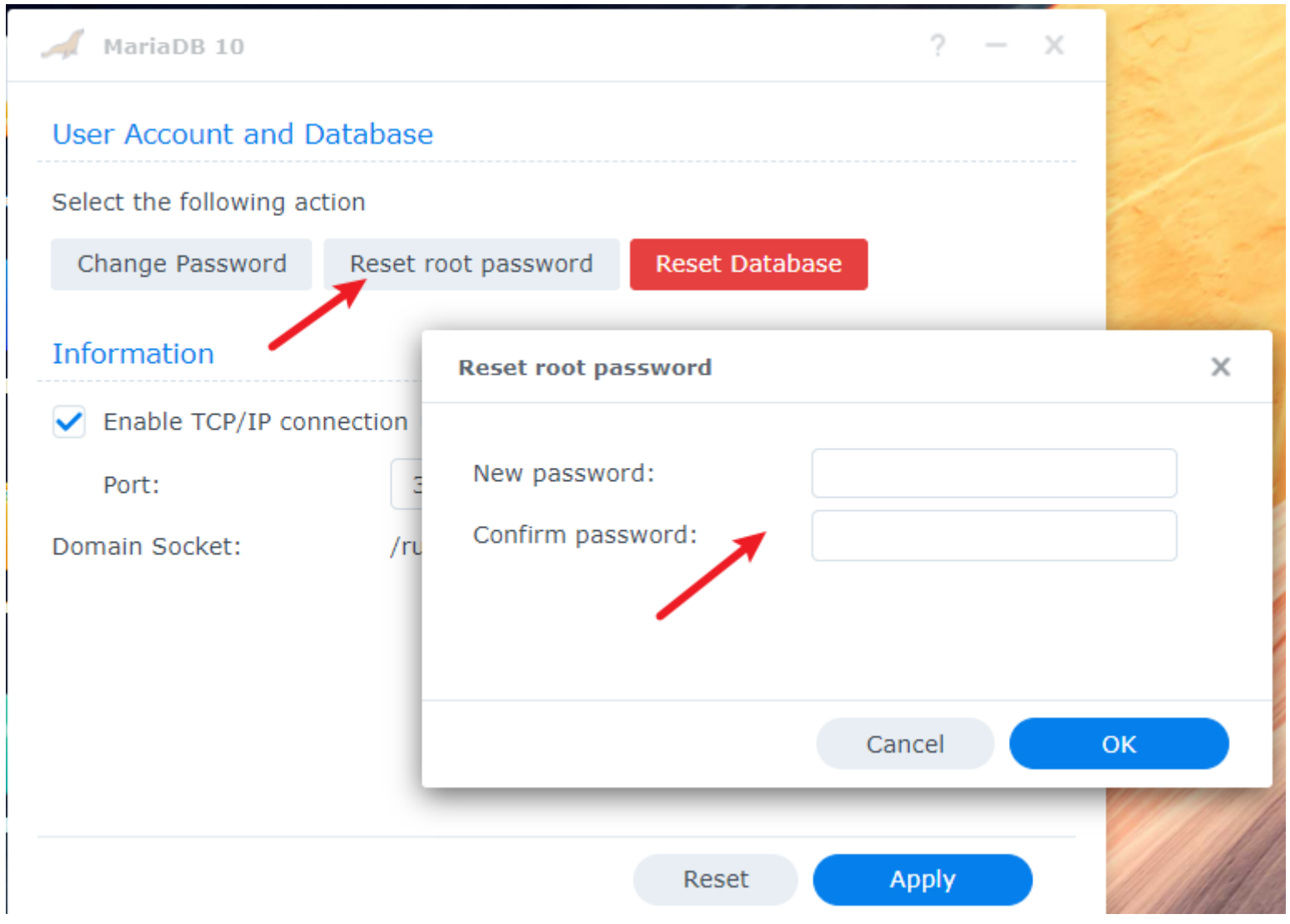
Same to the last step, typing `MariaDB` in search button and install.

You would be asked to set a original password for root user during the installtion.



If u forgot your password, never mind, open the `MariaDB`

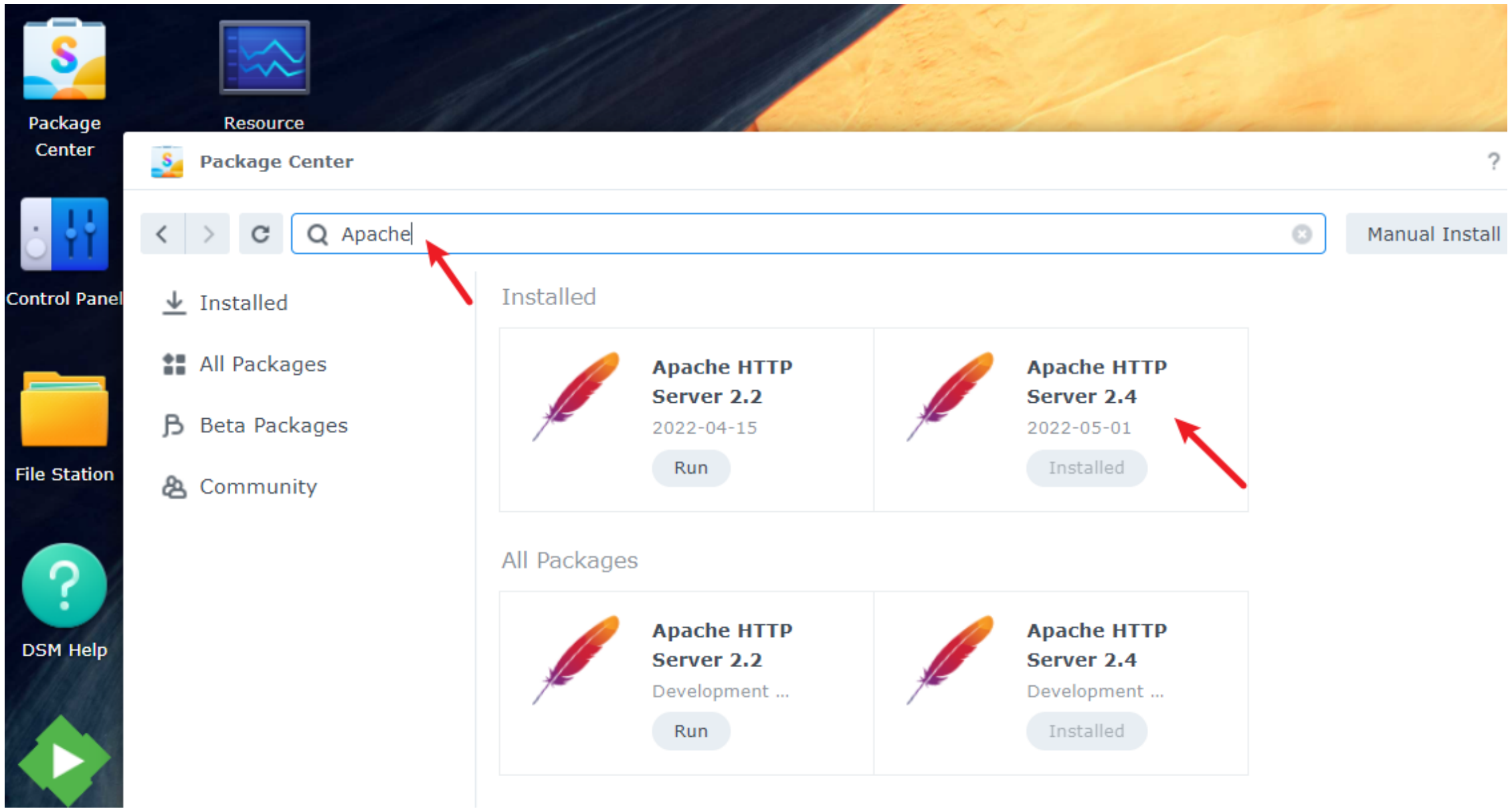
Click `Reset root Password` to solve problem.



2.4 Install `Apache HTTP Server`

Same Operating, Search `Apache` in button

you will see two version of `Apache HTTP Server`, here we recommend you to install version 2.4

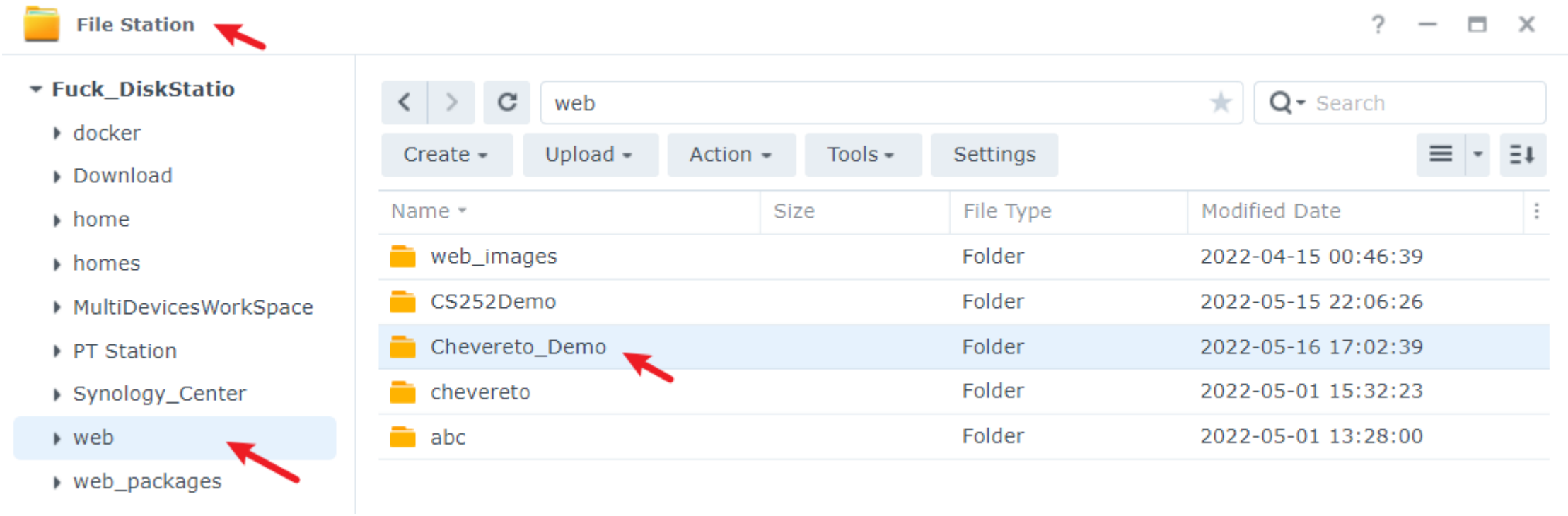


Congratulations, you now have all the necessary environments installed.

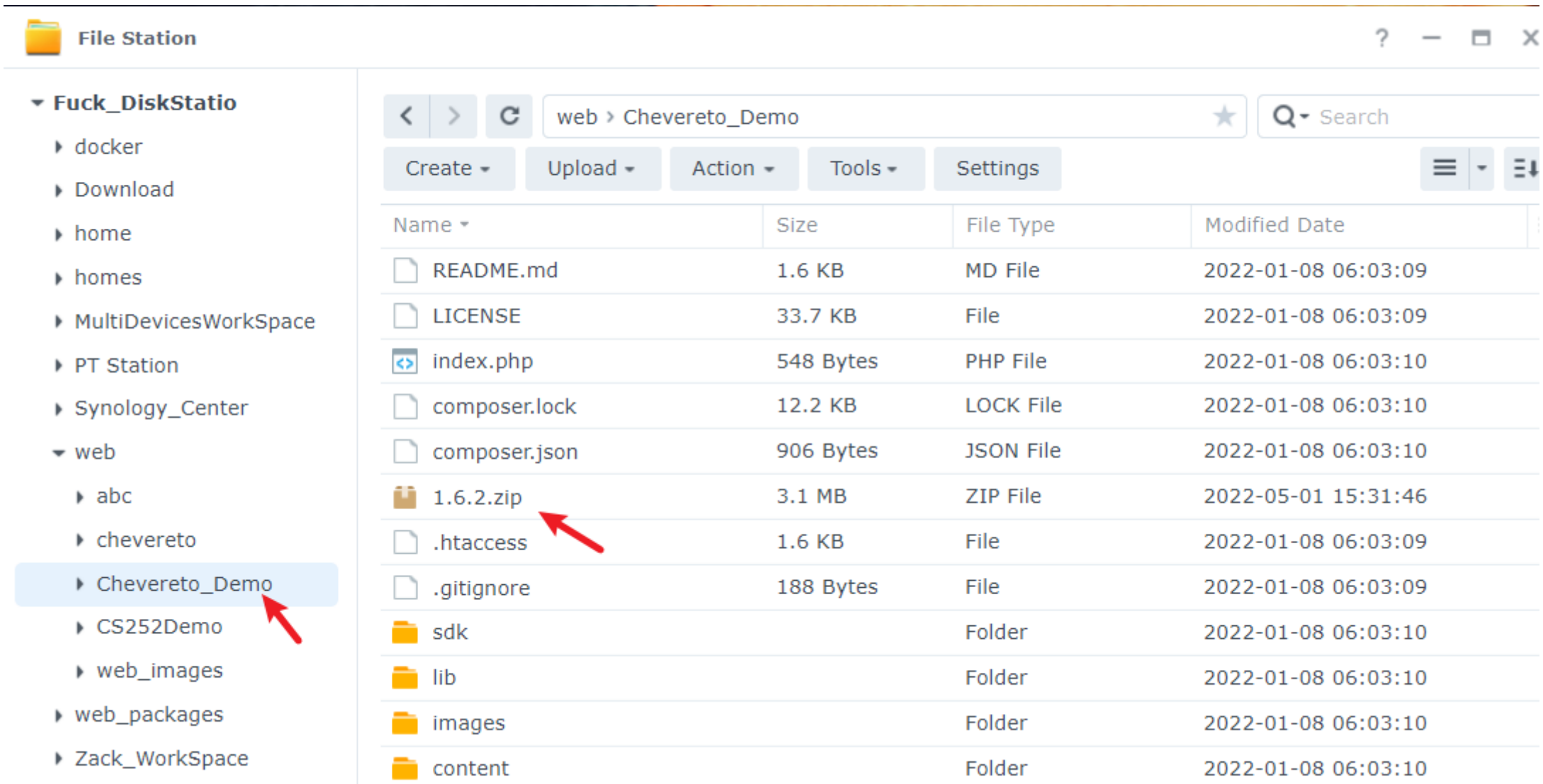
3. Install Chevereto

3.1 Upload Code of Chevereto

Now Open `File Station`, Go to folder `Web` and create a new folder `Chevereto_Demo`

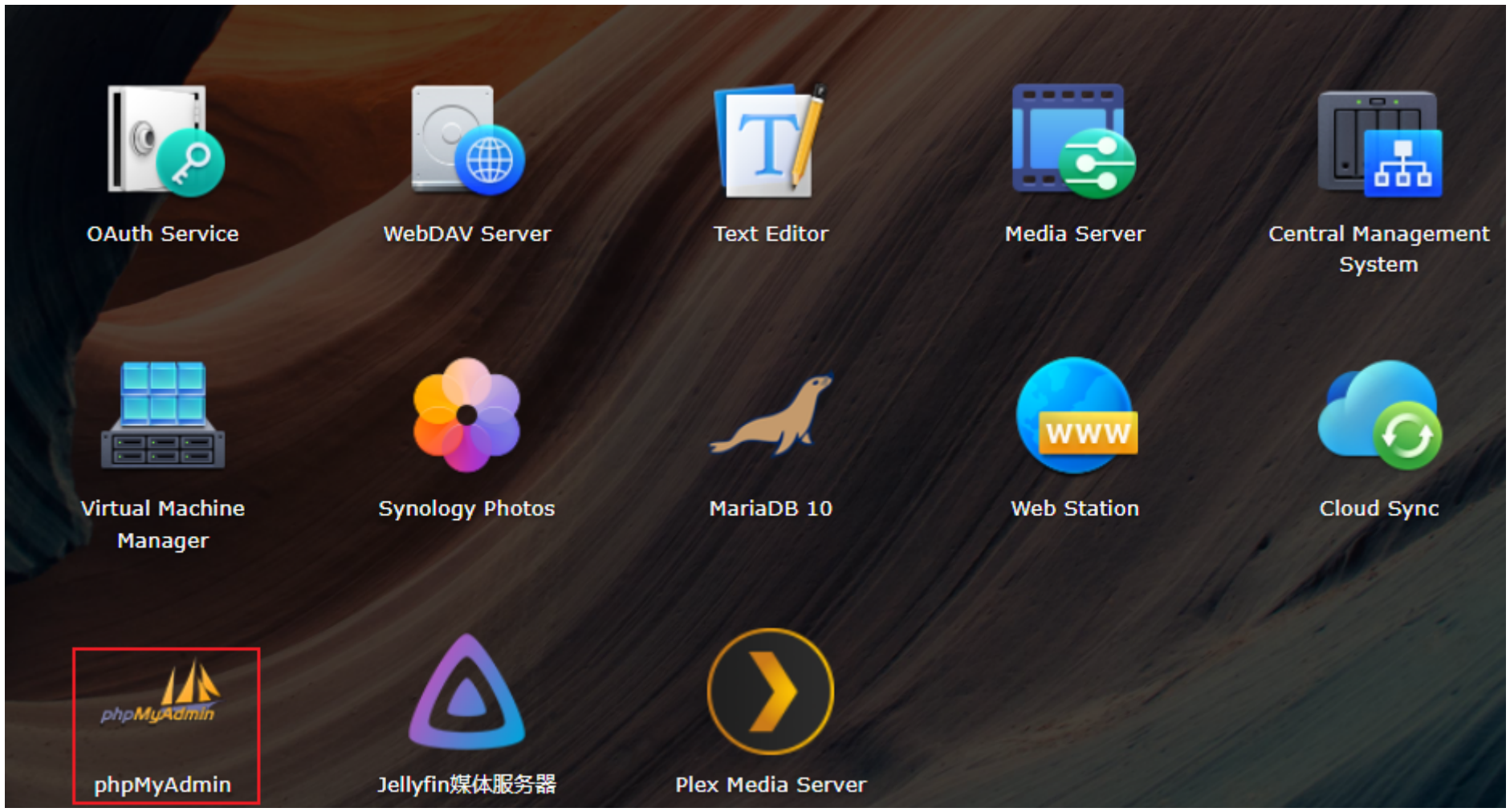


Upload the zip file download from github, and unzip the zip file, you can see a lot of files occurs in this folder.

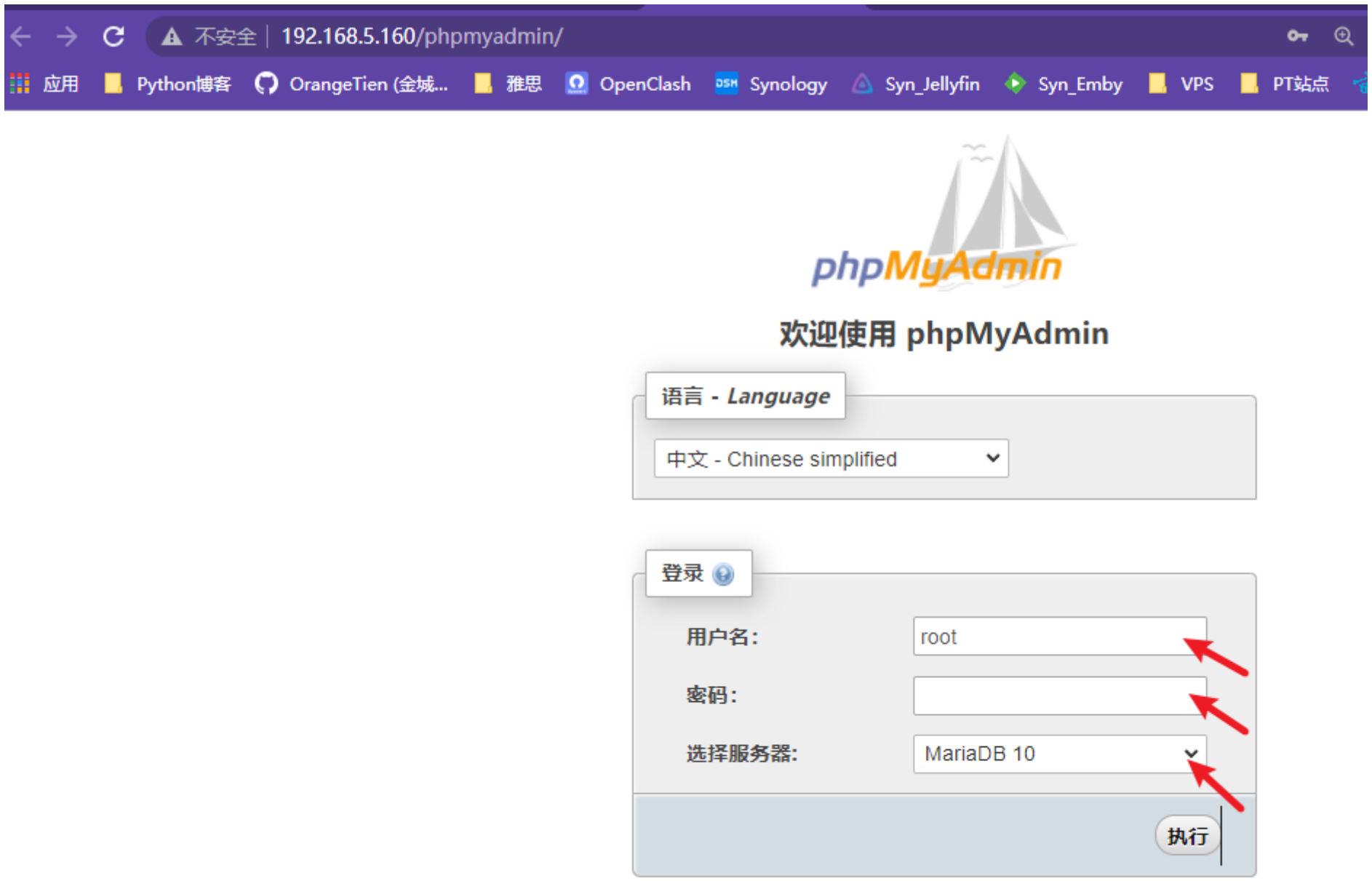


3.2 Configure phpMyAdmin

Now find `phpMyAdmin` in your Synology system and open



Input your password(set in the above step) and login in.



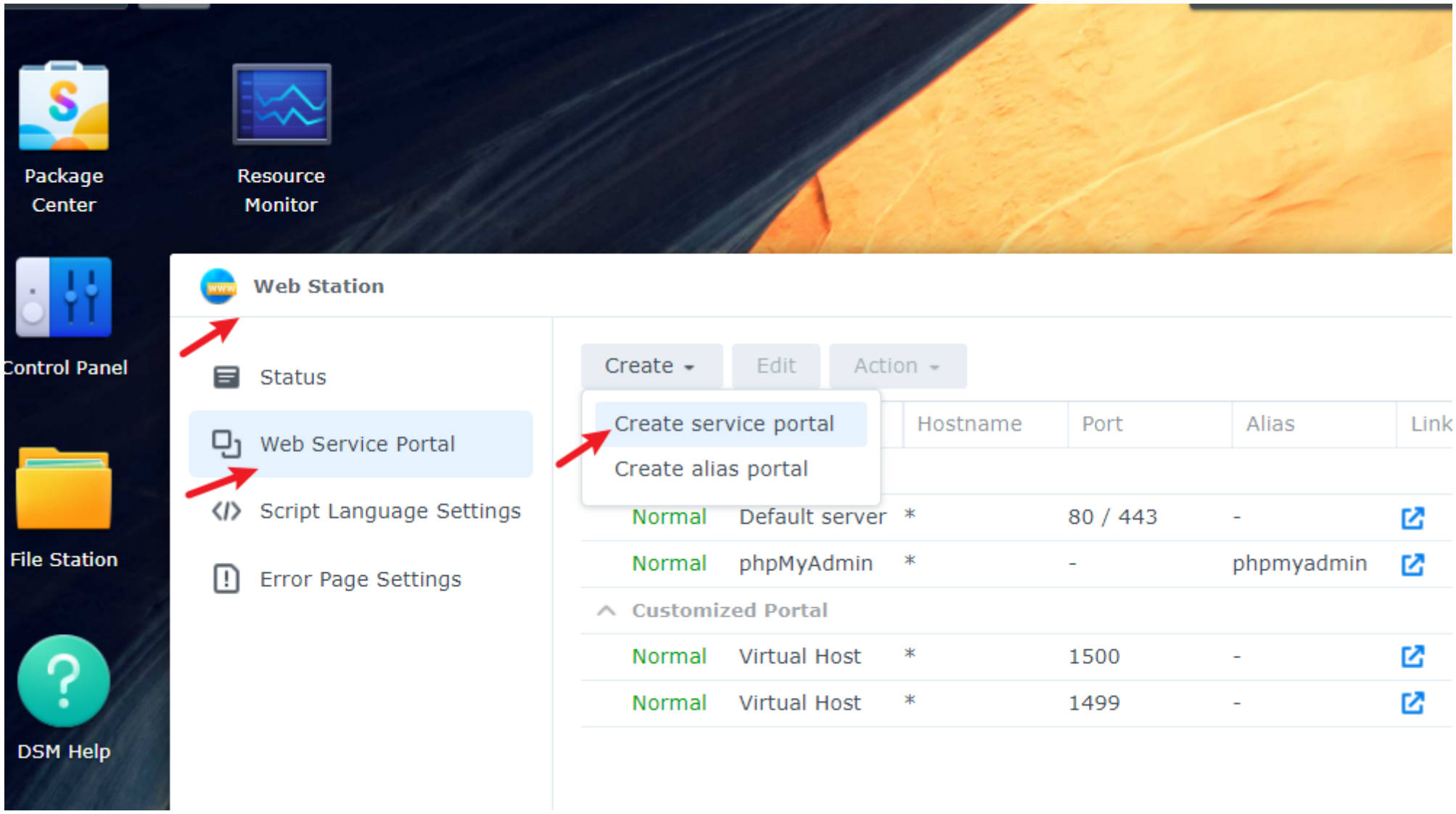
Now Create a new database called `Chevereto_Demo`

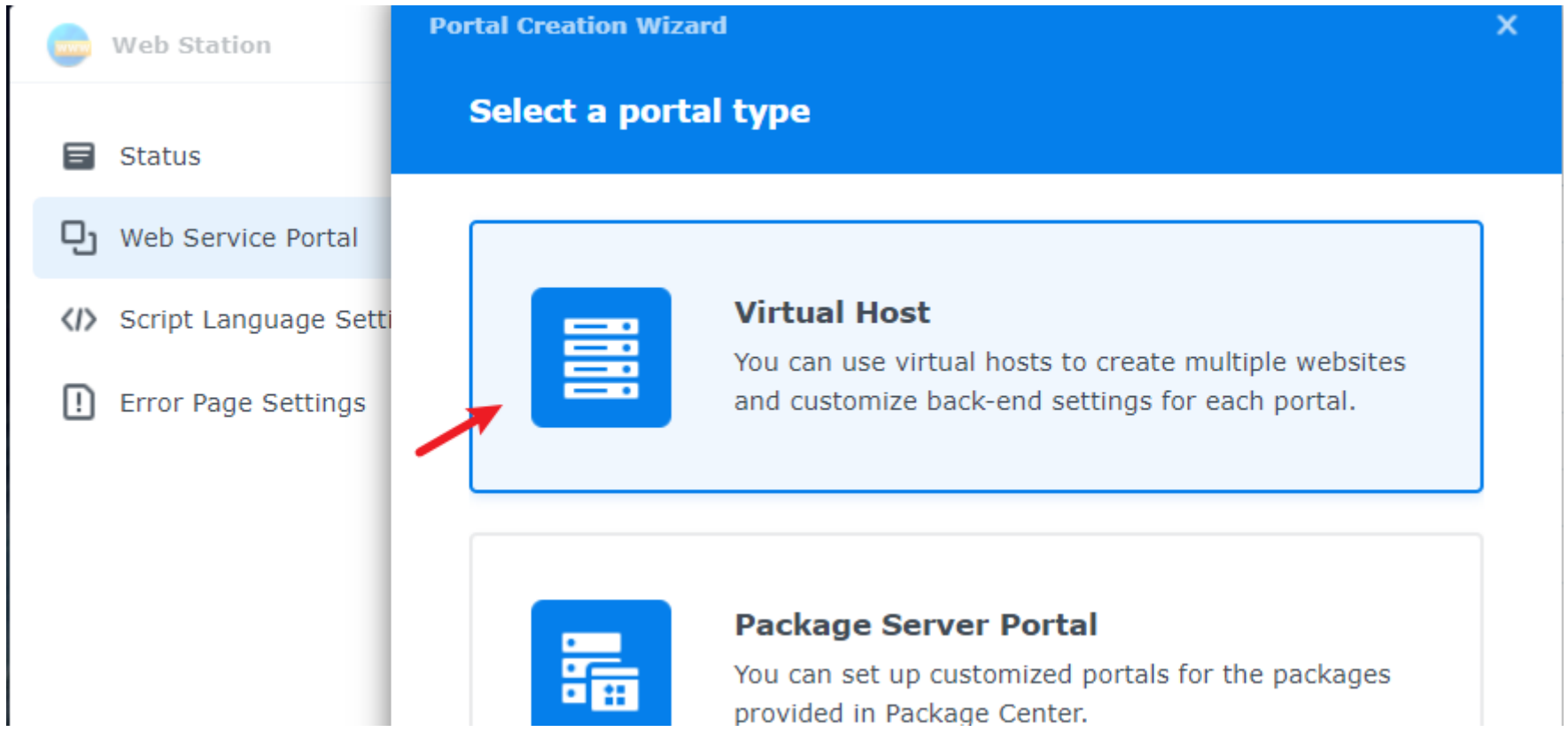
3.3 Create a virtual host

Now return to your Synology system, and open `web station`

Choose `Web Service Portal` and `Create service portal`

Then choose `virtual host`





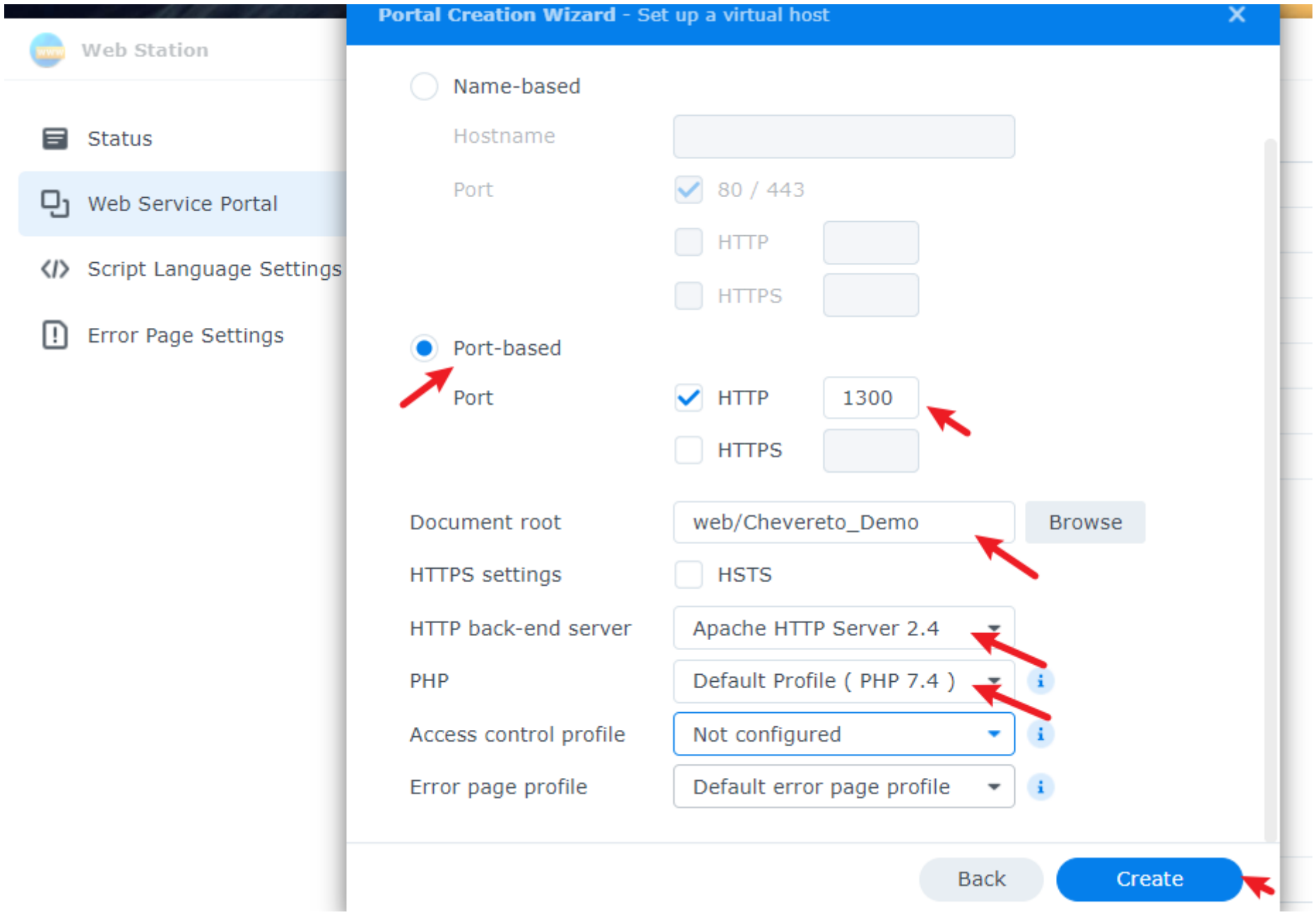
Now choose `Port-based`, you can select any free port, here I use 1300 as the port number.

Then `Document root` choose where the chevereto locates(see above step).

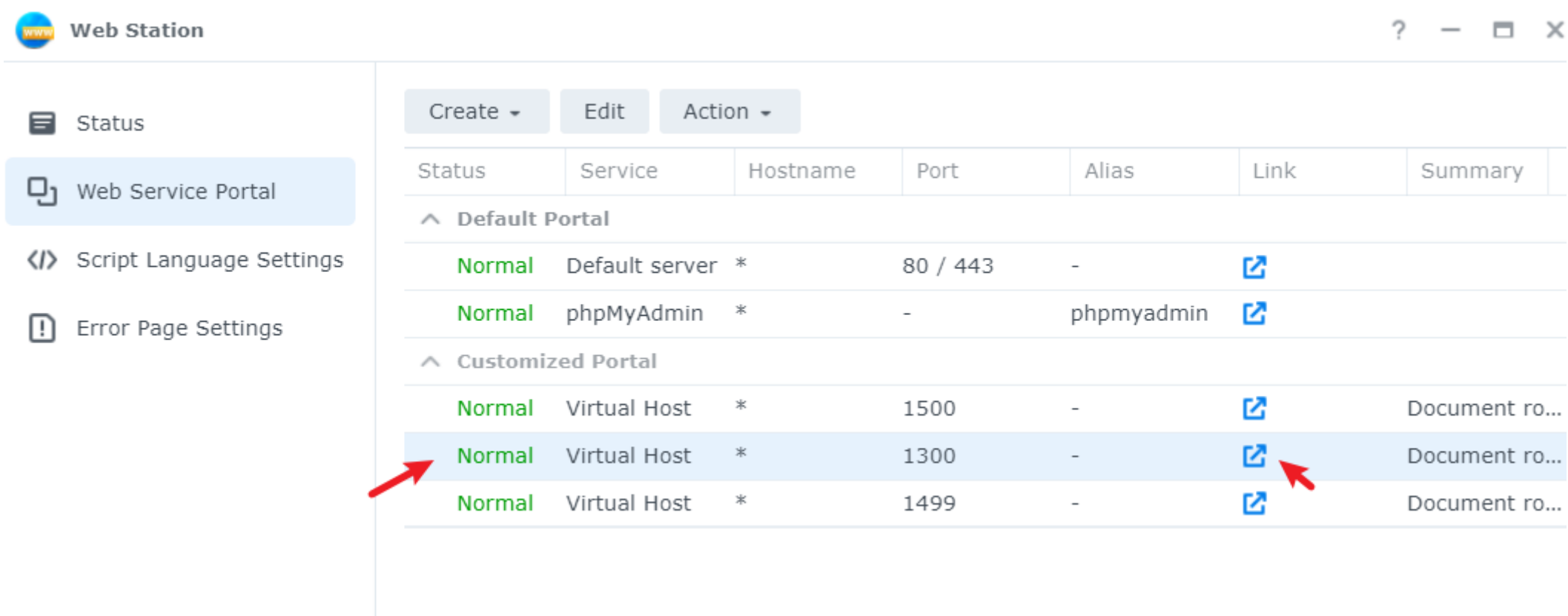
The `HTTP back-end server` choose `Apache HTTP Server 2.4`.

The `PHP` choose the `Default Profile`.

Other options keep default.



Now the Virtual Server has been created, you can click icon of Link to go to the website.

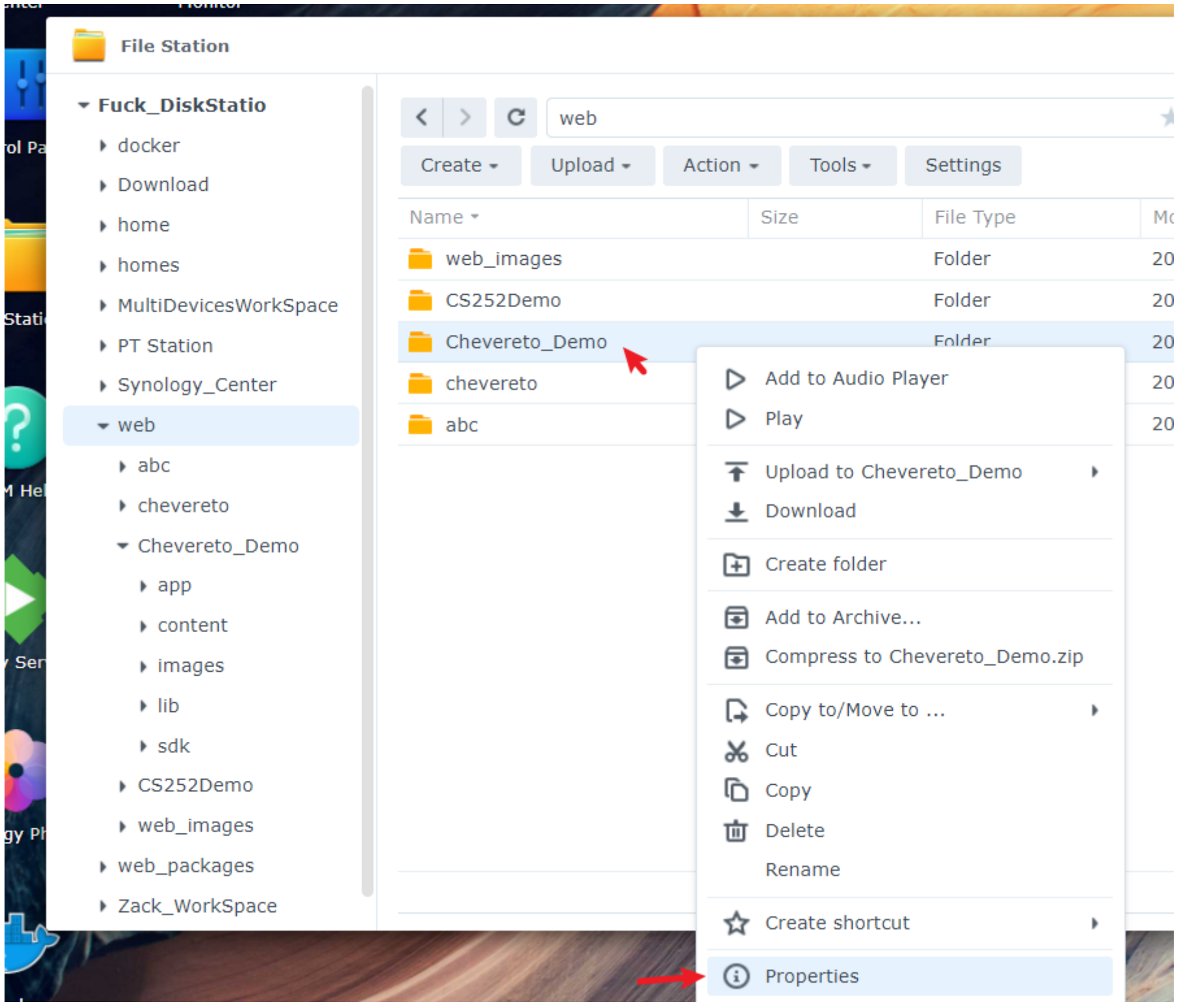


3.4 Configure Chevereto

After click the icon, you will go to the web page of chevereto, and you find errors from chevereto.

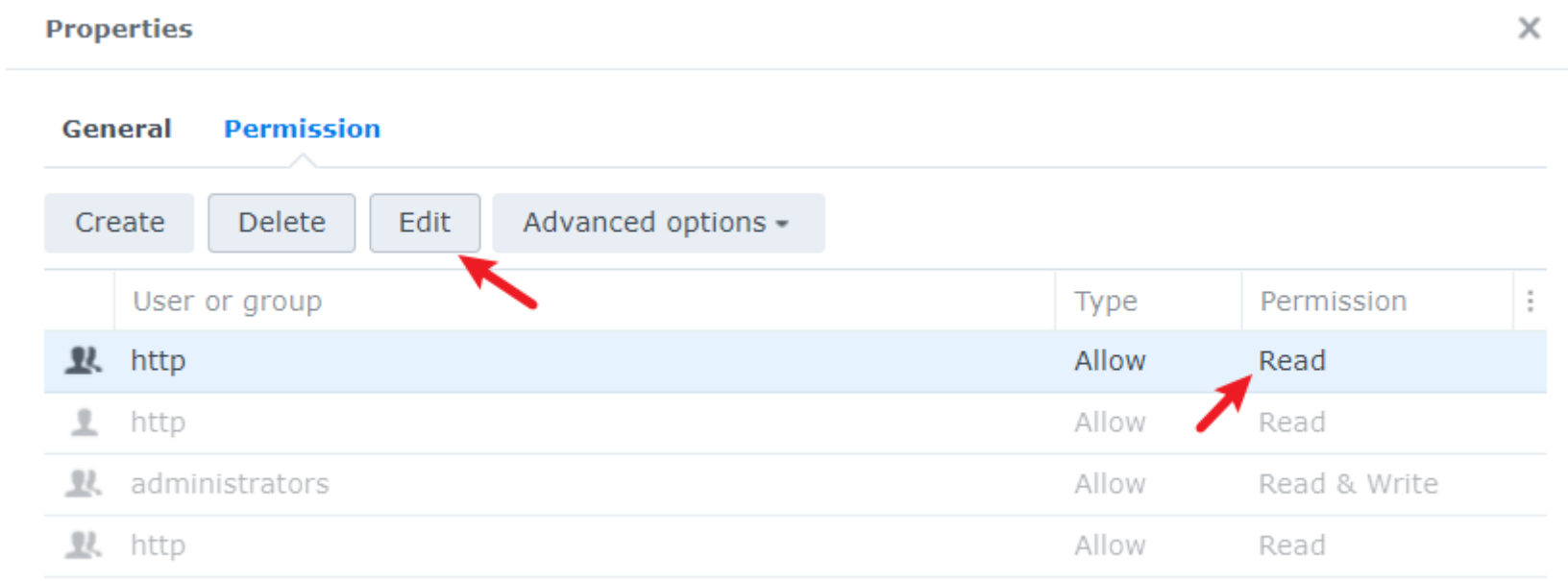
To Solve this problem, you need change the permission of `http` user.

Go to the location of chevereto and open its `Properties`

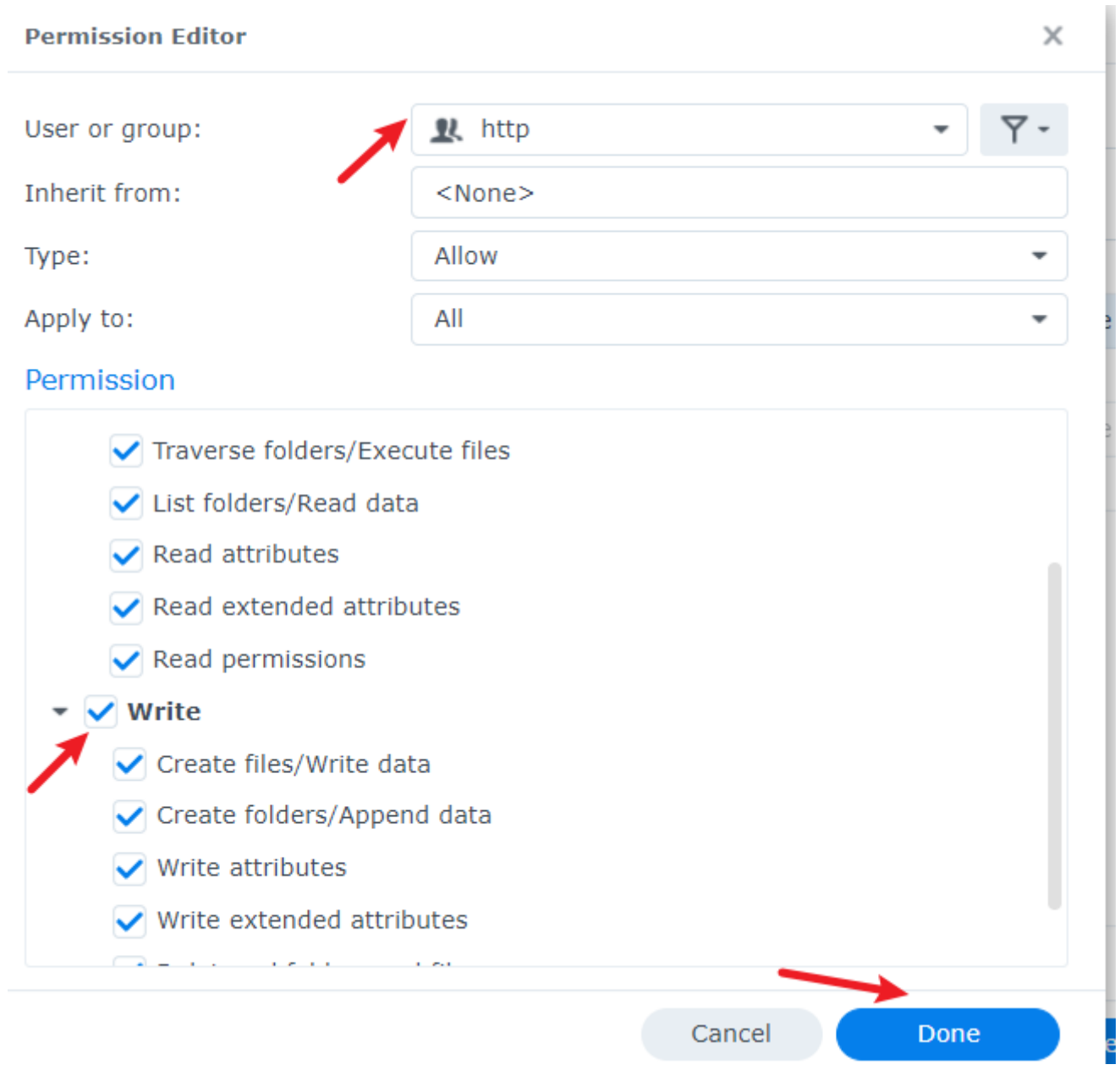


You find the use `http` only have the `Read` permission, so you need to give him `Write` permission

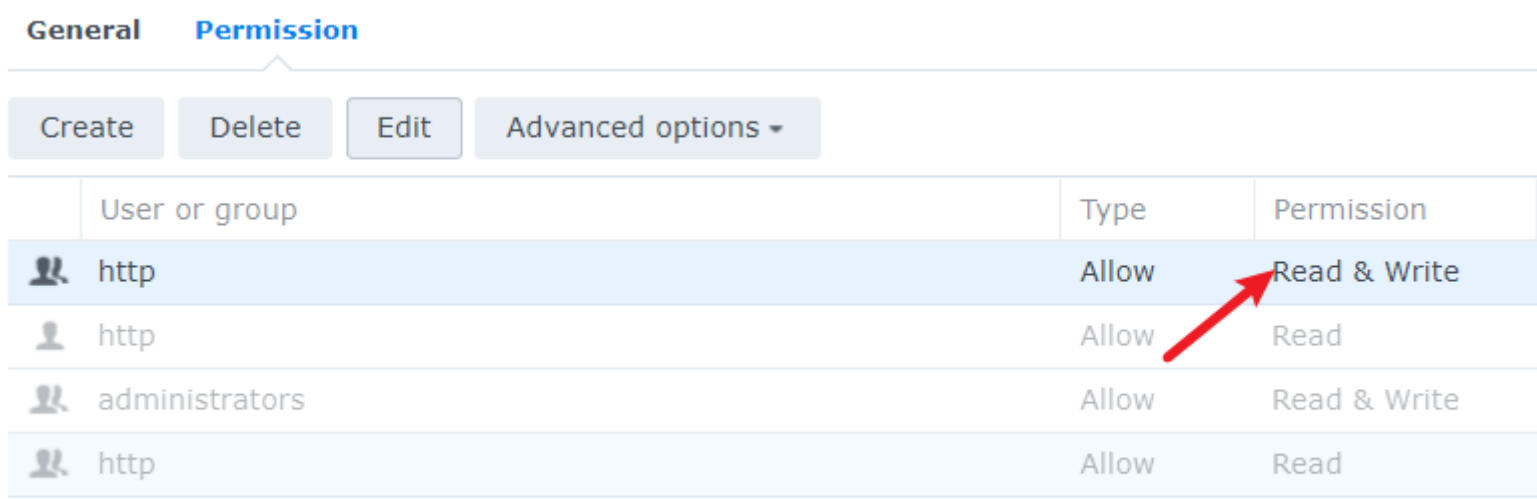
Click `Edit`



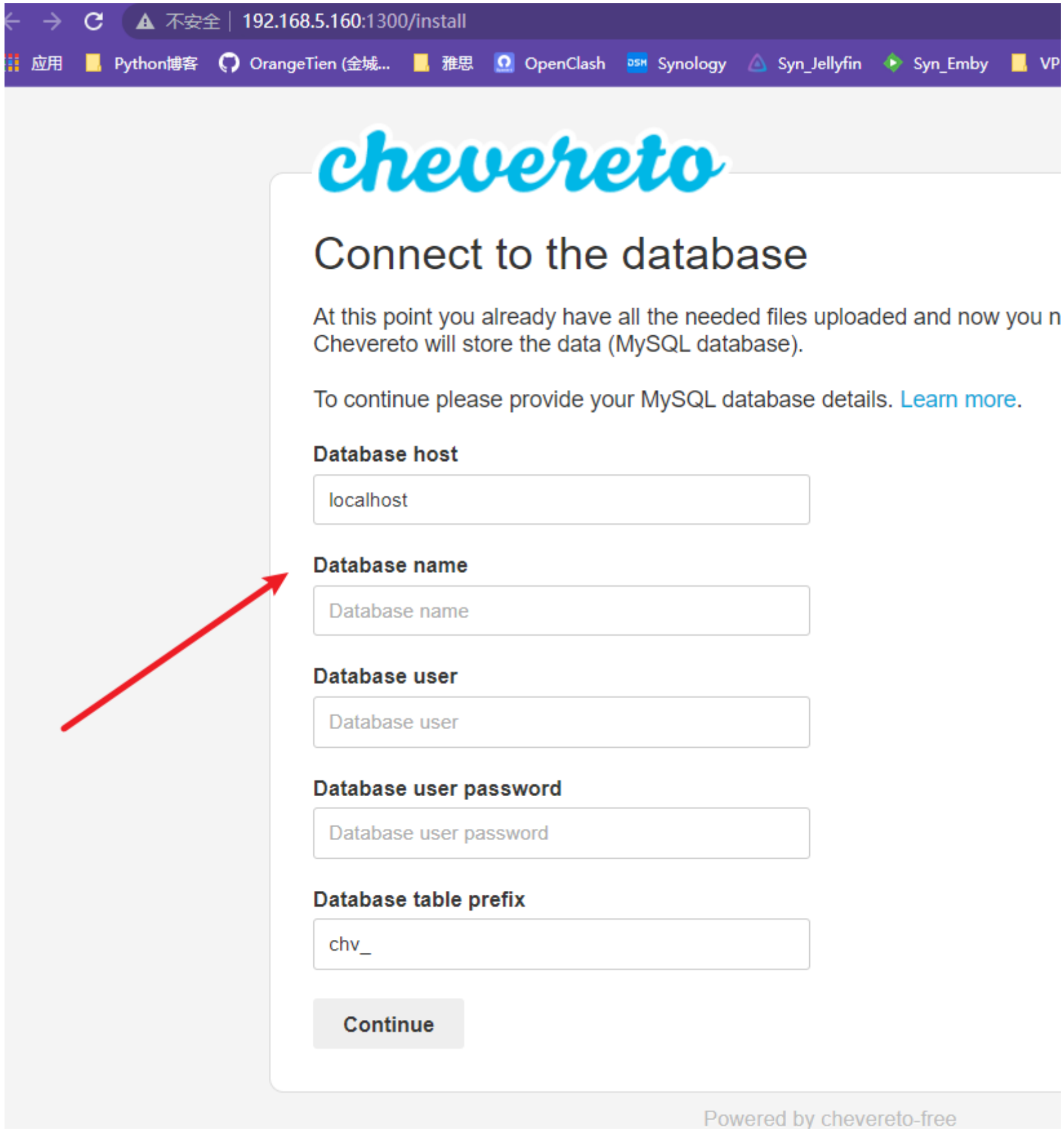
Choose the `Write` permission



Permission changed.



Refresh pages just now, you find page changed.



and then finish the form.

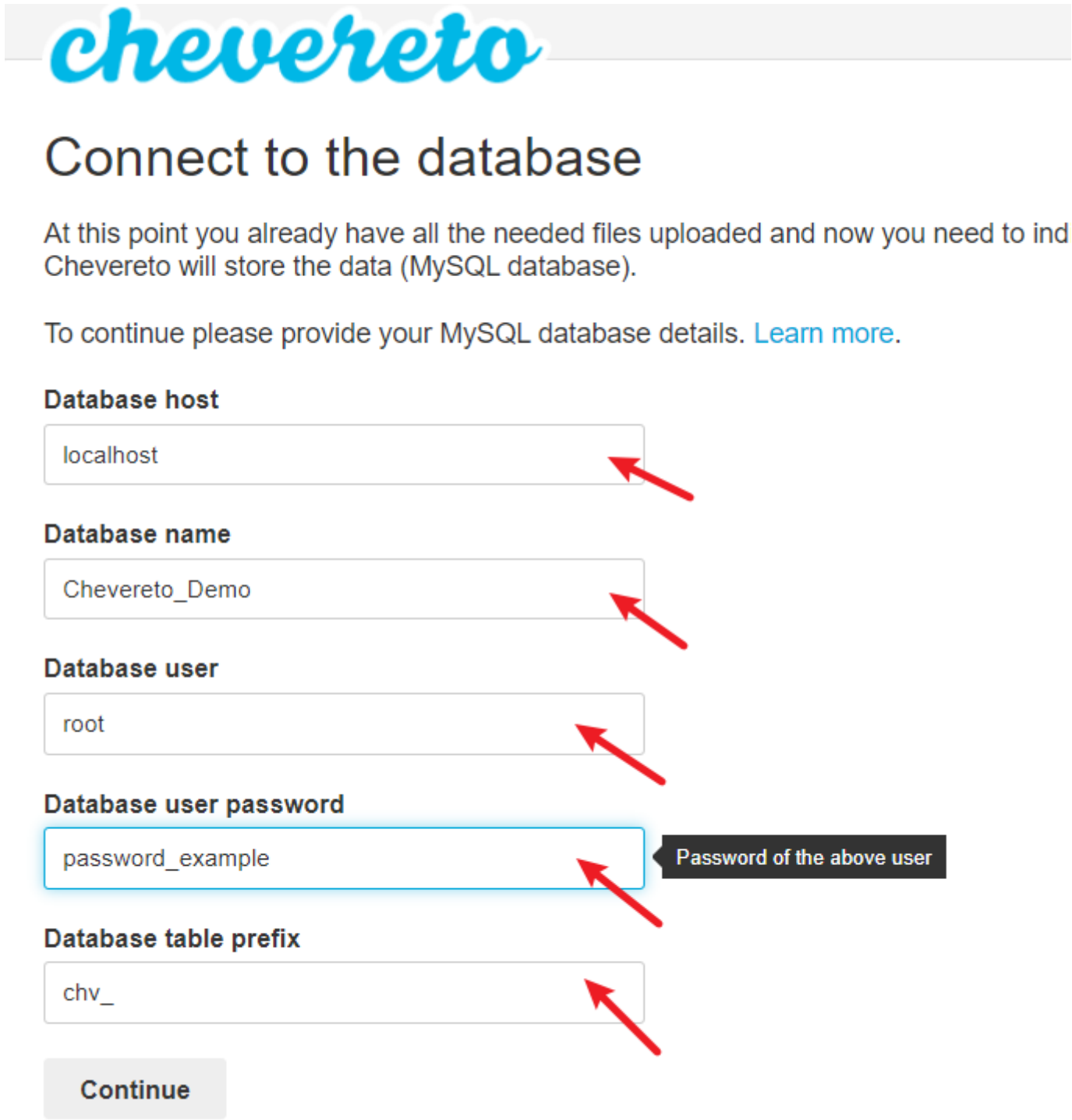
Database host you can keep default.

Database name is the name we set in the step of `configure phpMyAdmin`, here I use `Chevereto_Demo`

Database user is the `root`

Database password is the password we set in the step of `Intall MariaDB`

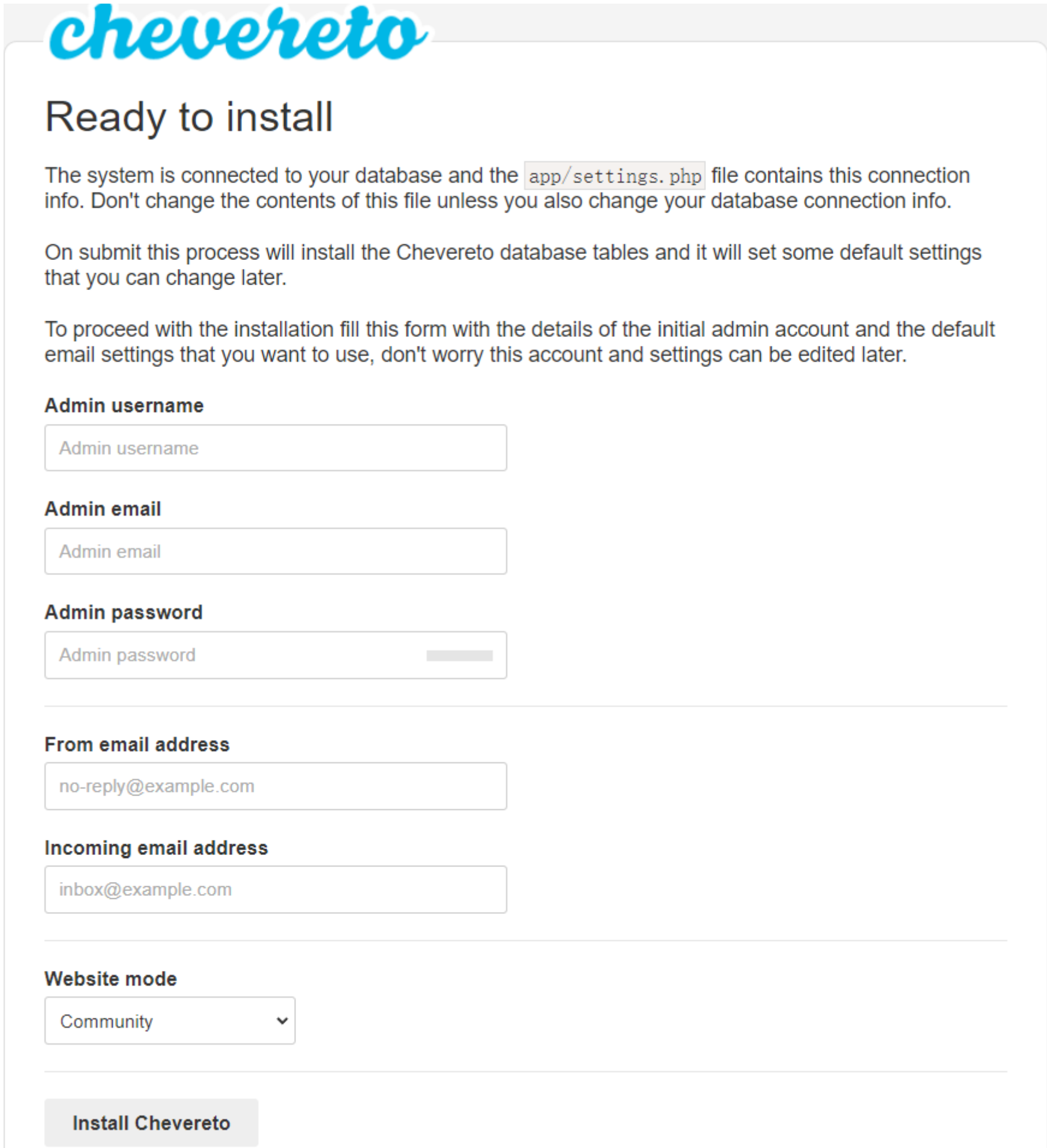
Other Optional keep default and click `contiune`



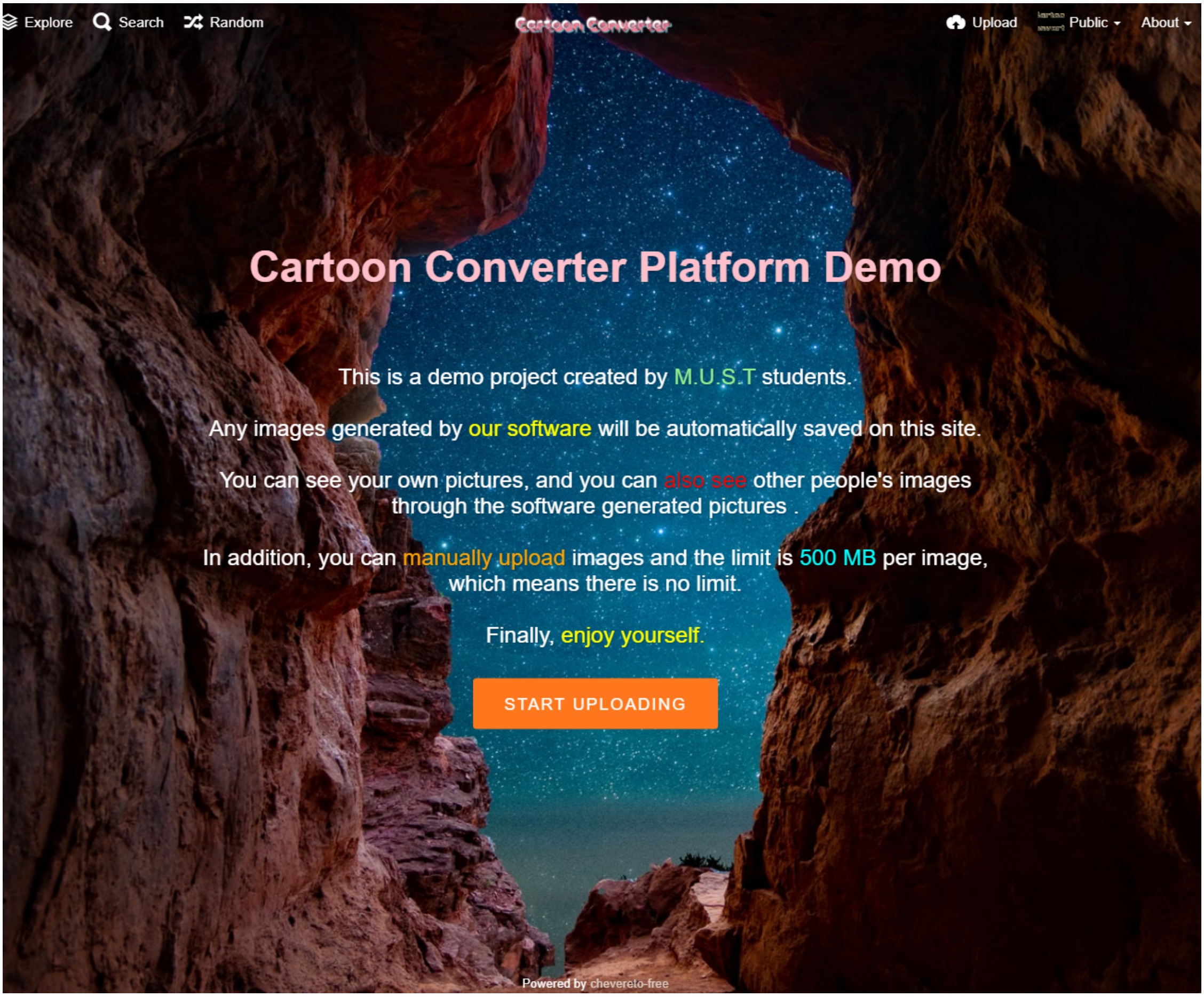
At the final Step, you only need to fill in some information.

Follow your heart to fill in the form.

Finished all blank, you can `Install Chevereto` Now.



Waiting for while, Refresh the page.

The Chevereto has been installed.

At last, you can customize the content of the home page.