

Configuration Serveur

Setup

LAMP:

We just have follow the tuto on digitalocean:

<https://www.digitalocean.com/community/tutorials/how-to-install-linux-apache-mariadb-php-lamp-stack-on-debian-10>.

(Your_domaine = lunar_dev)

For setup the website in Https : <https://certbot.eff.org/instructions?ws=apache> HYPERLINK
"<https://certbot.eff.org/instructions?ws=apache&os=debianbuster>"& HYPERLINK
"<https://certbot.eff.org/instructions?ws=apache&os=debianbuster>"os=debianbuster

Ip : 35.177.61.141

Domain name: lunar.dev.cld.education

Fail2ban:

We just have follow the tuto:

<https://www.digitalocean.com/community/tutorials/how-to-protect-an-apache-server-with-fail2ban-on-ubuntu-14-04>

Change hours

For setup the hours on Europe/Paris, we have follow the tuto:

<https://fr.linuxcapable.com/how-to-set-or-change-timezone-on-debian-11/>

More info for PHP

Delete a version: `sudo apt-get purge php<version>-common`

Show list for installed version: `apt list --installed | grep php`

Command

Start the serveur :

```
aws ec2 start-instances --instance-ids i-0b710768daac62bfe
```

useful command:

To start the Apache server: `sudo systemctl start apache2`

To stop the Apache server: `sudo systemctl stop apache2`

To stop and then start Apache: `sudo systemctl restart apache2`

To reload apache server to update the new configurations: `sudo systemctl reload apache2`

s

Logs: `tail -f /var/log/apache2/error.log`

Backup: `sudo cp .path .path.bak`

Create a PHP test file :

- `cd /var/www/lunar_dev/PW-LunarDev/Script`
- `sudo touch /info.php`
- `nano /info.php`
- `phpinfo();`

More info :

Path of the webSite file: `/var/www/lunar_dev`

GitHub

authentication:

Doc: <https://stackoverflow.com/questions/18935539/authenticate-with-github-using-a-token>

Generate a token : <https://docs.github.com/en/authentication/keeping-your-account-and-data-secure/creating-a-personal-access-token>

GitHub command:

Clone example: <https://> `HYPERLINK`

`"https://%3cMyToken%3e@github.com/NathanChauveau/PW-LunarDev.git"<`
`HYPERLINK "https://%3cMyToken%3e@github.com/NathanChauveau/PW-`

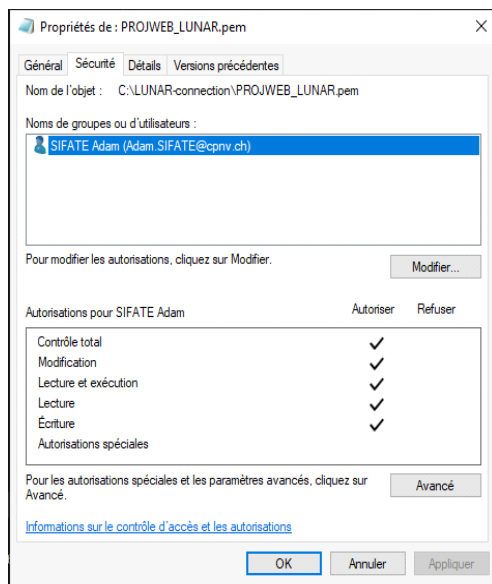
LunarDev.git" MyToken [HYPERLINK "https://3cMyToken3e@github.com/NathanChauveau/PW-LunarDev.git">](https://3cMyToken3e@github.com/NathanChauveau/PW-LunarDev.git)
HYPERLINK "https://3cMyToken3e@github.com/NathanChauveau/PW-LunarDev.git"@github.com/NathanChauveau/PW-LunarDev.git

SSH

When you have the connection key you must:

You need to be the only one who have right on the file

\PROJWEB_LUNAR.pem



The command to use is:

```
ssh admin@35.177.61.141 -i <filePath>\PROJWEB_LUNAR.pem
```

```
ssh admin@35.177.61.141 -i PROJWEB_LUNAR.pem
The authenticity of host '35.177.61.141 (35.177.61.141)' can't be established.
ECDSA key fingerprint is SHA256:doEkNC9wYpVjUFT8bytfxM7Xab/tMmcCQ0LisxZhqeE.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
```

If you have a result like this, you need to answer « yes »

Database

We are going to use MariaDB because we already have a tuto of the installation on the doc.

We have chosen HeidiSQL because we already knew this editor

Setup MariaDB:

Step 2 of : <https://www.digitalocean.com/community/tutorials/how-to-install-linux-apache-mariadb-php-lamp-stack-on-debian-10>

Password: Pa\$\$w0rd

Answer no to all other question

Database name: ProjWebLunar

User: admin

password: Pa\$\$w0rd

command to enter to access the database: mariadb -u admin -p

Setup HeidiSQL

To be connected to a database, we need to create one first. Next we need to import this database.

Create a database :

In the directory of the database code, we need to write the following command :
sudo mysql -u root -p ProjWebLunar < ProjWebLunar.sql

ProjWebLunar is the name of the database and ProjWebLunar.sql is the sql code

WARNING : for every command this is important to put a sudo first for become root

Other usefull command

SHOW DATABASES; show all the databases

USE ProjWebLunar; select the database projWebLunar

SHOW tables; show the table of the selected database

DESCRIBE nameOfTheTable; show the column and the type of the column

SELECT nameOfTheColumn FROM ProjWebLunar.nameOfTheTable; show the elements who are in the column