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](https://certbot.eff.org/instructions?ws=apache&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:**

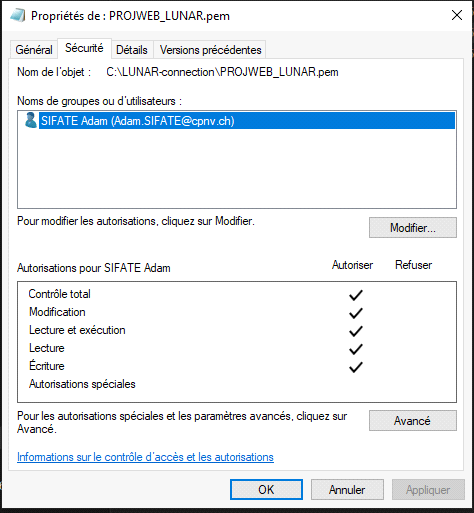
Clone example: [https:// HYPERLINK "https://%3cMyToken%3e@github.com/NathanChauveau/PW-LunarDev.git"< HYPERLINK "https://%3cMyToken%3e@github.com/NathanChauveau/PW-LunarDev.git"MyToken HYPERLINK "https://%3cMyToken%3e@github.com/NathanChauveau/PW-LunarDev.git"> HYPERLINK "https://%3cMyToken%3e@github.com/NathanChauveau/PW-LunarDev.git"@github.com/NathanChauveau/PW-LunarDev.git](https://%3cMyToken%3e@github.com/NathanChauveau/PW-LunarDev.git)

# SSH

When you have the connection key you must:

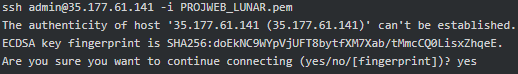
You need to be the only one who have right on the file

\PROJWEB\_LUNAR.pem



The command to use is:

ssh admin@35.177.61.141 -i <filePath>\PROJWEB\_LUNAR.pem



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 mysqul -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