

# Initialisation Infra

Ce document est pour la configuration initial, les commandes et configuration de la VM.

Dans l'annexe vous trouverez les liens utiles pour cet VM.

## *Configuration d'installation*

- Img iso = debian-11.7.0-arm64-netinst.iso
- Nom machine = ProjWebBDD-JAL
- Domain = *vide*
- MdP root = CPNV
- User = Logan
- MdP User = Logan123
- Utiliser le disc entier
- Partition des disques = tout en une seule partition
- Debian mirror = [deb.debian.org](http://deb.debian.org)
- Mandataire http = vide

## *Base de données*

- User = logan
- MdP = logan123

## *Fichier config*

- Nano /etc/hosts → 127.0.1.1      colocation (pour assigner le fqdn)
- Nano /etc/apt/sources.list → deb <http://ftp.ch.debian.org/debian> sid main  
(copier et coller le lien dans le fichier pour télécharger les bonnes versions d'apache2, php et mariadb)

## *Initialisation serveur*

- sudo apt install ufw
- sudo ufw allow openssh
- sudo ufw enable

## *Droit admin utilisateur*

- Apt install sudo (en root)
- Usermod -aG sudo logan

Logan Nguyen

### *Installation apache2*

- `sudo apt update`
- `sudo apt install apache2`
- `sudo ufw allow in "WWW Full"`

### *installation et setup mariadb*

- `sudo apt install mariadb-server`
- `sudo mysql_secure_installation`

### *installation php*

- `sudo apt install php libapache2-mod-php php-mysql`

### *Mise en place du virtual host*

- `sudo mkdir /var/www/colocation`
- `sudo chown -R $USER:$USER /var/www/colocation`
- `sudo nano /etc/apache2/sites-available/colocation.conf`
- `sudo a2ensite colocation`
- `sudo a2dissite 000-default`
- `sudo apache2ctl configtest`
- `sudo systemctl reload apache2`

### *Connexion au serveur*

Machine personnel = Mac air m2

- Terminal ➔ `sudo nano /etc/hosts` ➔ 172.16.31.135      colocation

### *Test process php*

- `nano /var/www/colocation/info.php`

### *Test BDD*

- `sudo mariadb`
- `CREATE DATABASE example_database;`
- `CREATE USER 'logan'@'%' IDENTIFIED BY 'logan123';`
- `GRANT ALL ON example_database.* TO 'logan'@'%';`
- `FLUSH PRIVILEGES;`
- `CREATE TABLE example_database.todo_list (`  
item\_id INT AUTO\_INCREMENT,

```
content VARCHAR(255),  
PRIMARY KEY(item_id)  
);
```

- INSERT INTO example\_database.todo\_list (content) VALUES ("My first important item");
- SELECT \* FROM example\_database.todo\_list;
- nano /var/www/colocation/todo\_list.php

#### Installation de git et clonage du dépôt colocation

- sudo apt install git
- Crée directory dans /var/www/colocation/projTest pour test le avec snow
  - Git init
- Sudo git clone https://github.com/CPNV-PROJWEB-BDD/Colocation.git
- Crée directory dans /var/www/colocation/projWebBDD
- Sudo git clone -b develop <https://github.com/CPNV-PROJWEB-BDD/Colocation.git>
  - Git init

#### Injection base de donnée

- Sudo mariadb
- Source  
/var/www/colocation/projWebBDD/Colocation/scriptbdd/scriptProjetWebBDD.sql
- Source /var/www/colocation/projWebBDD/Colocation/scriptbdd/insertionDonne.sql
- GRANT ALL ON colocations\* TO 'logan'@'%';
- FLUSH PRIVILEGES;

#### Test BDD colocation

- sudo nano /var/www/colocation/projWebBDD/BDD-goods-test.php

```
#!/php
$connect = mysqli_connect("localhost", "logan", "logan123", "colocations");
$query = "SELECT * FROM goods";
$result = mysqli_query($connect, $query);
if(mysqli_num_rows($result) > 0)
{
    $table = '
    <table border=1>
        <tr>
            <th>title</th>
            <th>picture</th>
            <th>kindOfGood</th>
            <th>town</th>
            <th>addresse</th>
            <th>DESCRIPTION</th>
            <th>numberOfPieces</th>
            <th>active</th>
        </tr>
';
    while($row = mysqli_fetch_array($result))
    {
        $table .= '
        <tr>
            <td>' . $row["title"] . '</td>
            <td>' . $row["picture"] . '</td>
            <td>' . $row["kindOfGood"] . '</td>
            <td>' . $row["town"] . '</td>
            <td>' . $row["address"] . '</td>
            <td>' . $row["description"] . '</td>
            <td>' . $row["numberOfPieces"] . '</td>
            <td>' . $row["active"] . '</td>
        </tr>
';
    }
    $table .= '</table>';
    echo $table;
}
```

- sudo nano /var/www/colocation/projWebBDD/BDD- members.php
- sudo nano /var/www/colocation/projWebBDD/BDD-goods-membersHasGoods.php

annexes

<https://www.digitalocean.com/community/tutorials/how-to-install-linux-apache-mariadb-php-lamp-stack-on-debian-11>

<https://www.delftstack.com/howto/php/create-table-php/>

<https://packages.debian.org/sid/arm64/apache2/download>

<https://www.debian.org/distrib/netinst>