

# 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.

Lien pour télécharger la VM valable 30 jours (25.05.23)

<https://www.swisstransfer.com/d/d19a3aa5-0a4f-48df-a644-38c02535a2c1>

## *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
- 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

Logan Nguyen

### *Droit admin utilisateur*

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

### *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 = mysql_connect("localhost", "logan", "logan123", "colocations");
$query = "SELECT * FROM goods";
$result = mysql_query($connect, $query);
if(mysql_num_rows($result) > 0)
{
    $table = '
    <table border=1>
        <tr>
            <th>title</th>
            <th>picture</th>
            <th>kindOfGood</th>
            <th>town</th>
            <th>address</th>
            <th>DESCRIPTION</th>
            <th>numberOfPieces</th>
            <th>active</th>
        </tr>
    ';
    while($row = mysql_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>