

Installation de GLPI sur Debian 13

- 1) Vérifier les mises à jour et mettre à jour le système
`sudo apt-get update && sudo apt-get upgrade`
- 2) Installer les paquets mariadb, php et apache2 pour une base de LAMP
`sudo apt-get install apache2 php8.4-fpm mariadb-server`
- 3) Installation d'extensions pour le bon fonctionnement de GLPI
`sudo apt install php8.4- {curl,gd,intl,mysql,zip,bcmath,mbstring,xml,bz2}`
- 4) Préparation de la base de donnée pour GLPI
`sudo mariadb-secure installation`

```
adm_fb@SRV-GLPI11:~$ sudo mariadb-secure-installation
NOTE: MariaDB is secure by default in Debian. Running this script is
useless at best, and misleading at worst. This script will be
removed in a future MariaDB release in Debian. Please read
mariadb-server.RELEASE.Debian for details.

Enter root user password or leave blank:

Enter current password for root (enter for none):
OK, successfully used password, moving on...

Setting the root password or using the unix_socket ensures that nobody
can log into the MariaDB root user without the proper authorisation.

You already have your root account protected, so you can safely answer 'n'.

Switch to unix_socket authentication [Y/n] n
... skipping.

You already have your root account protected, so you can safely answer 'n'.

Change the root password? [Y/n] y
New password:
Re-enter new password:
Password updated successfully!
Reloading privilege tables..
... Success!

By default, a MariaDB installation has an anonymous user, allowing anyone
to log into MariaDB without having to have a user account created for
them. This is intended only for testing, and to make the installation
go a bit smoother. You should remove them before moving into a
production environment.

Remove anonymous users? [Y/n] y
SQL executed without errors!
The operation might have been successful, or it might have not done anything.

Normally, root should only be allowed to connect from 'localhost'. This
ensures that someone cannot guess at the root password from the network.

Disallow root login remotely? [Y/n] y
SQL executed without errors!
The operation might have been successful, or it might have not done anything.

By default, MariaDB comes with a database named 'test' that anyone can
access. This is also intended only for testing, and should be removed
before moving into a production environment.

Remove test database and access to it? [Y/n] y
- Dropping test database...
SQL executed without errors!
The operation might have been successful, or it might have not done anything.
- Removing privileges on test database...
SQL executed without errors!
The operation might have been successful, or it might have not done anything.

Reloading the privilege tables will ensure that all changes made so far
will take effect immediately.

Reload privilege tables now? [Y/n] y
... Success!

Cleaning up ...

All done! If you've completed all of the above steps, your MariaDB
```

Connexion à la base de données

Sudo mysql -u root p

- 5) Création de la base de données

```
CREATE DATABASE db25_glpi ;  
GRANT ALL PRIVILEGES ON db25_glpi.* TO glpi_adm@localhost IDENTIFIED BY  
"password";  
FLUSH PRIVILEGES;  
EXIT
```

- 6) Téléchargement de GLPI

```
cd /tmp  
wget https://github.com/glpi-project/glpi/releases/download/11.0.4/glpi-  
11.0.4.tgz
```

- 7) Décompression de l'archive GLPI

```
sudo tar -xvzf glpi-11.0.4.tgz -C /var/www/
```

- 8) Définition de l'utilisateur propriétaire des fichiers de GLPI

```
sudo chown www-data /var/www/glpi/ -R
```

- 9) Création du répertoire des fichiers de configurations de GLPI et définition des droits

```
sudo mkdir /etc/glpi  
sudo chown www-data /etc/glpi/
```

- 10) Déplacer les fichiers de configurations vers ce nouveau dossier

```
sudo mv /var/www/glpi/config /etc/glpi
```

- 11) Refaire les mêmes étapes pour le dossier /var/lib/glpi

```
sudo mkdir /var/lib/glpi  
sudo chown www-data /var/lib/glpi/  
sudo mv /var/www/glpi/files /var/lib/glpi
```

- 12) Création d'un répertoire pour les fichiers de log

```
sudo mkdir /var/log/glpi  
sudo chown www-data /var/log/glpi
```

13) Création des fichiers de configuration pour GLPI

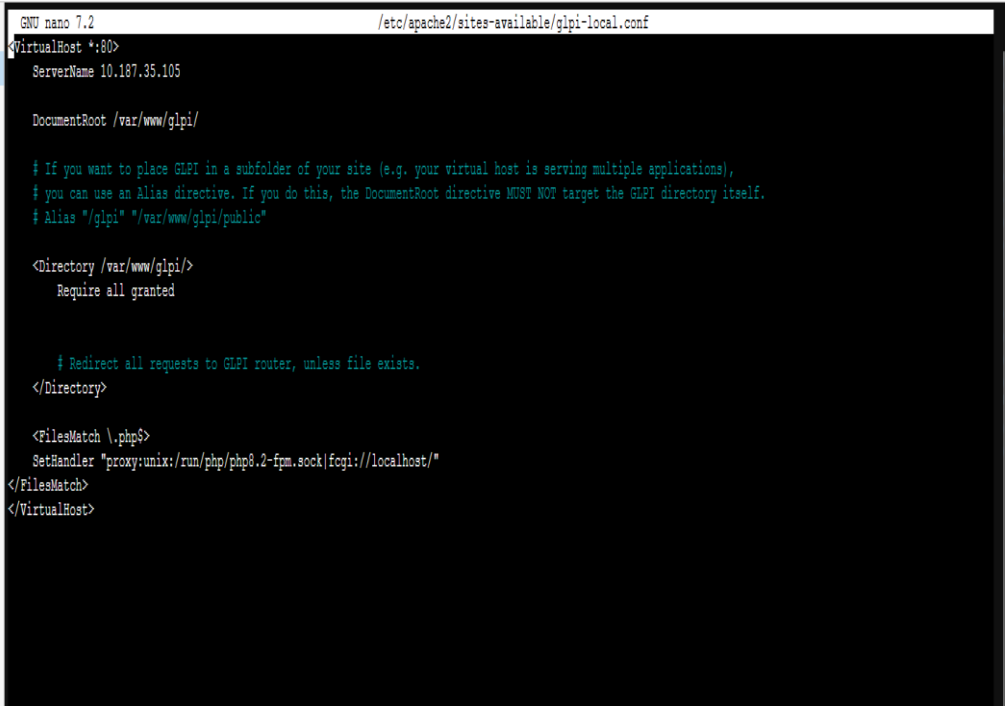
```
<?php
define('GLPI_CONFIG_DIR', '/etc/glpi/');
if (file_exists(GLPI_CONFIG_DIR . '/local_define.php')) {
    require_once GLPI_CONFIG_DIR . '/local_define.php';
}
```

sudo nano /etc/glpi/local_define.php

```
<?php
define('GLPI_VAR_DIR', '/var/lib/glpi/files');
define('GLPI_LOG_DIR', '/var/log/glpi');
```

14) Configuration de apache2 pour GLPI

Création d'un fichier de configuration pour GLPI



```
GNU nano 7.2 /etc/apache2/sites-available/glpi-local.conf
<VirtualHost *:80>
    ServerName 10.187.35.105

    DocumentRoot /var/www/glpi/

    # If you want to place GLPI in a subfolder of your site (e.g. your virtual host is serving multiple applications),
    # you can use an Alias directive. If you do this, the DocumentRoot directive MUST NOT target the GLPI directory itself.
    # Alias "/glpi" "/var/www/glpi/public"

    <Directory /var/www/glpi/>
        Require all granted

    # Redirect all requests to GLPI router, unless file exists.
    </Directory>

    <FilesMatch \.php$>
        SetHandler "proxy:unix:/run/php/php8.2-fpm.sock|fcgi://localhost/"
    </FilesMatch>
</VirtualHost>
```

15) Activation du site, désactivation du site par défaut, activation du module rewrite et redémarrage de apache2

```
sudo a2ensite gitlab.local.conf
sudo a2enmod rewrite
sudo systemctl restart apache2
```

16) Activation de module dans apache2

```
sudo a2enmod proxy_fcgi setenvif  
sudo a2enconf php8.4-fpm  
sudo systemctl reload apache2
```

17) Modifier le fichier /etc/php/8.4/fpm/php.ini en activant l'option
session.cookie_httponly

```
session.cookie_httponly = on
```

18) Appliquer les modifications en redémarrant PHP-FPM

```
sudo systemctl restart php8.4-fpm.service
```

19) Modification du virtualhost pour pointer vers le socket PHP-FPM

```
<FilesMatch \.php$>  
SetHandler "proxy:unix:/run/php/php8.4-fpm.sock|fcgi://localhost/"  
</FilesMatch>
```

20) Redémarrer apache2 pour enregistrer les modifications

```
sudo systemctl restart apache2
```