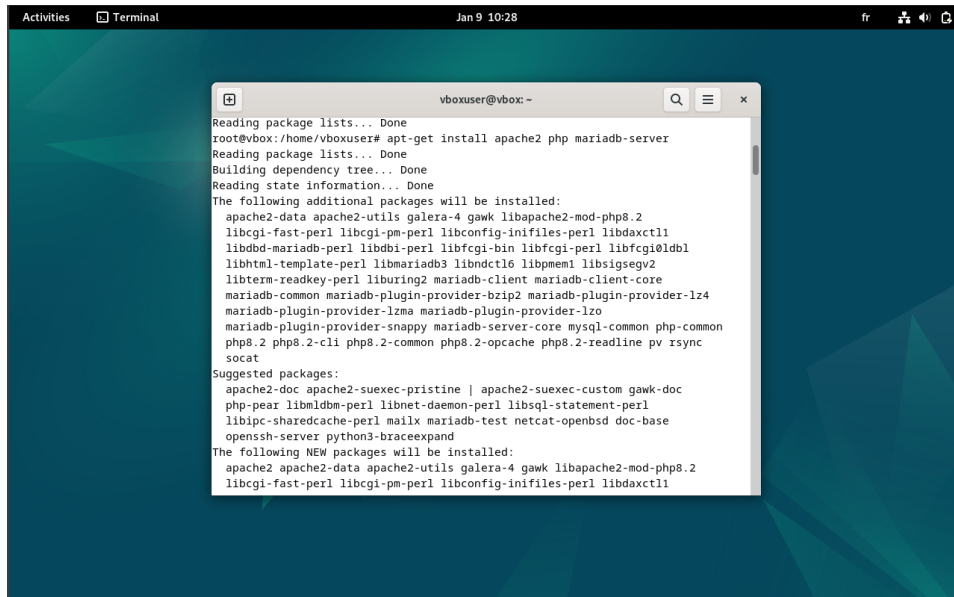


## Installation Serveur LAMP :

### Installation des paquets nécessaire au fonctionnement GLPI

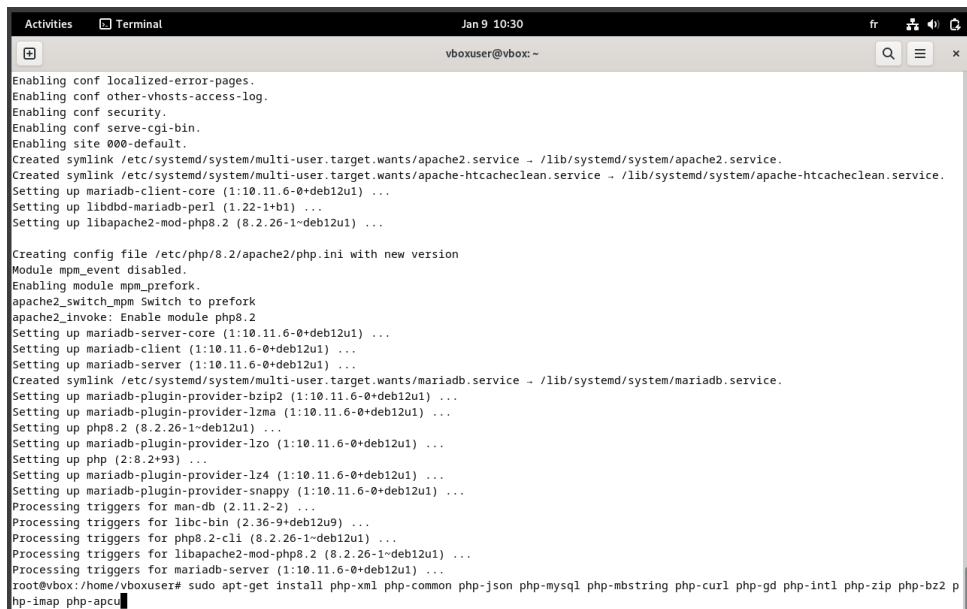
“sudo apt-get install apache2 php mariadb-server”



```
Activities Terminal Jan 9 10:28 fr
vboxuser@vbox: ~
Reading package lists... Done
root@vbox: /home/vboxuser# apt-get install apache2 php mariadb-server
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
  apache2-data apache2-utils galera-4 gawk libapache2-mod-php8.2
  libcgi-fast-perl libcgi-pm-perl libconfig-inifiles-perl libdaxctl1
  libdbd-mariadb-perl libdbi-perl libfcgi-bin libfcgi-perl libfcgi0ldbl
  libhtml-template-perl libmariadb3 libndctl6 libpmem1 libsigsegv2
  libterm-readkey-perl liburing2 mariadb-client mariadb-client-core
  mariadb-common mariadb-plugin-provider-bzip2 mariadb-plugin-provider-lz4
  mariadb-plugin-provider-lzma mariadb-plugin-provider-lzo
  mariadb-plugin-provider-snappy mariadb-server-core mysql-common php-common
  php8.2 php8.2-cl1 php8.2-common php8.2-opcache php8.2-readline pv rsync
  socat
Suggested packages:
  apache2-doc apache2-suexec-pristine | apache2-suexec-custom gawk-doc
  php-pear libltdb-perl libnet-daemon-perl libssl-statements-perl
  libipc-sharedcache-perl mailx mariadb-test netcat-openbsd doc-base
  openssh-server python3-braceexpand
The following NEW packages will be installed:
  apache2 apache2-data apache2-utils galera-4 gawk libapache2-mod-php8.2
  libcgi-fast-perl libcgi-pm-perl libconfig-inifiles-perl libdaxctl1
```

### Et les extension lié

“sudo apt-get install php-xml php-common php-json php-mysql php-mbstring php-curl php-gd php-intl php-zip php-bz2 php-imap php-apcu”



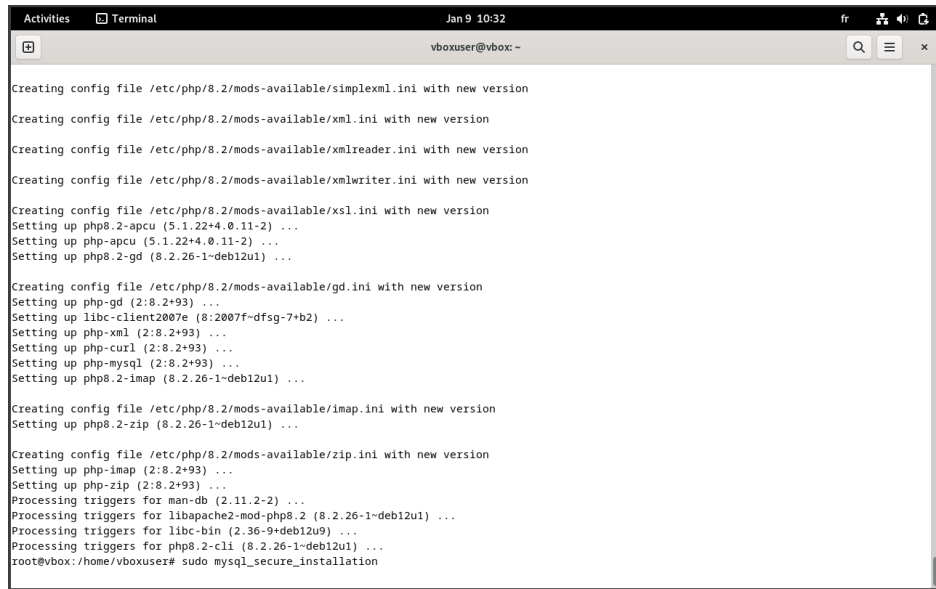
```
Activities Terminal Jan 9 10:30 fr
vboxuser@vbox: ~
Enabling conf localized-error-pages.
Enabling conf other-vhosts-access-log.
Enabling conf security.
Enabling conf serve-cgi-bin.
Enabling site 000-default.
Created symlink /etc/systemd/system/multi-user.target.wants/apache2.service - /lib/systemd/system/apache2.service.
Created symlink /etc/systemd/system/multi-user.target.wants/apache-htcacheclean.service - /lib/systemd/system/apache-htcacheclean.service.
Setting up mariadb-client-core (1:10.11.6-0+deb12u1) ...
Setting up libdbd-mariadb-perl (1.22-1+b1) ...
Setting up libapache2-mod-php8.2 (8.2.26-1-deb12u1) ...

Creating config file /etc/php/8.2/apache2/php.ini with new version
Module mpm_event disabled.
Enabling module mpm_prefork.
apache2_switch_mpm Switch to prefork
apache2_invoke: Enable module php8.2
Setting up mariadb-server-core (1:10.11.6-0+deb12u1) ...
Setting up mariadb-client (1:10.11.6-0+deb12u1) ...
Setting up mariadb-server (1:10.11.6-0+deb12u1) ...
Created symlink /etc/systemd/system/multi-user.target.wants/mariadb.service - /lib/systemd/system/mariadb.service.
Setting up mariadb-plugin-provider-bzip2 (1:10.11.6-0+deb12u1) ...
Setting up mariadb-plugin-provider-lzma (1:10.11.6-0+deb12u1) ...
Setting up php8.2 (8.2.26-1-deb12u1) ...
Setting up mariadb-plugin-provider-lzo (1:10.11.6-0+deb12u1) ...
Setting up php (2:8.2+93) ...
Setting up mariadb-plugin-provider-lz4 (1:10.11.6-0+deb12u1) ...
Setting up mariadb-plugin-provider-snappy (1:10.11.6-0+deb12u1) ...
Processing triggers for man-db (2.11.2-2) ...
Processing triggers for libc-bin (2.36-9+deb12u9) ...
Processing triggers for php8.2-cl1 (8.2.26-1-deb12u1) ...
Processing triggers for libapache2-mod-php8.2 (8.2.26-1-deb12u1) ...
Processing triggers for mariadb-server (1:10.11.6-0+deb12u1) ...
root@vbox: /home/vboxuser# sudo apt-get install php-xml php-common php-json php-mysql php-mbstring php-curl php-gd php-intl php-zip php-bz2 p
hp-imap php-apcu
```

## Mise en place de MariaDB :

### Installation de la base de données

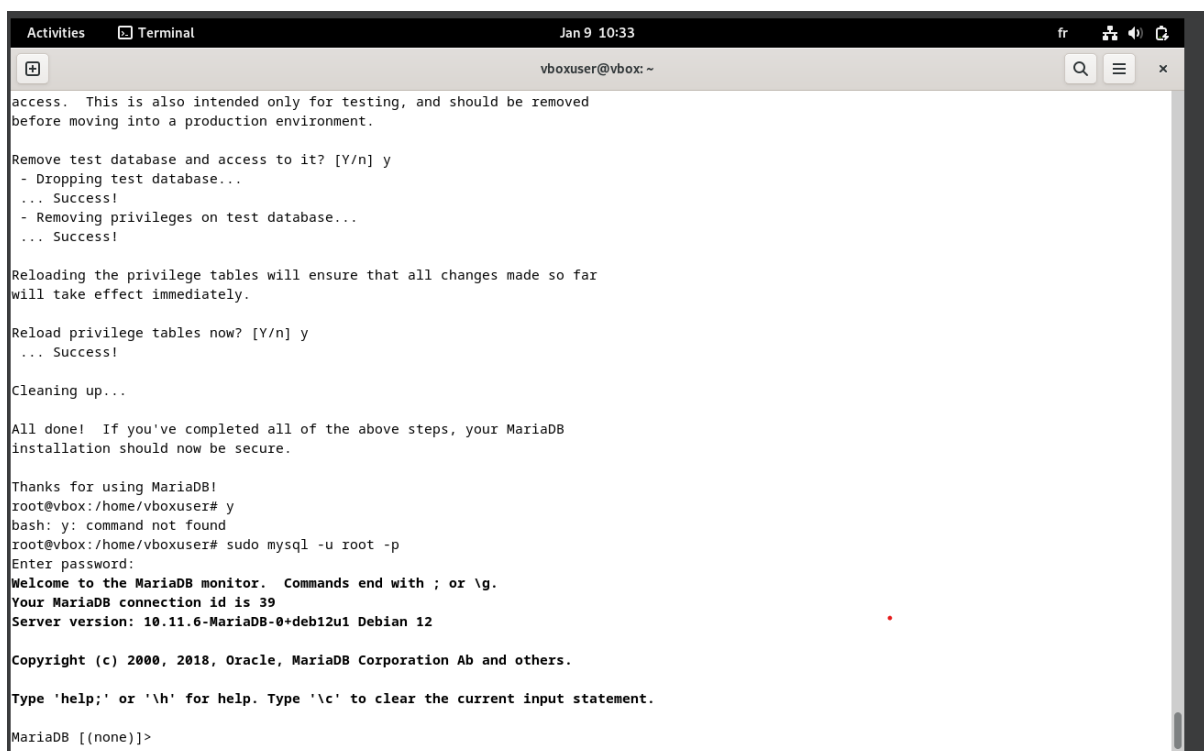
#### “sudo mysql\_secure\_installation”



```
Activities Terminal Jan 9 10:32
vboxuser@vbox: ~

Creating config file /etc/php/8.2/mods-available/simplexml.ini with new version
Creating config file /etc/php/8.2/mods-available/xml.ini with new version
Creating config file /etc/php/8.2/mods-available/xmlreader.ini with new version
Creating config file /etc/php/8.2/mods-available/xmlwriter.ini with new version
Creating config file /etc/php/8.2/mods-available/xsl.ini with new version
Setting up php8.2-apcu (5.1.22+4.0.11-2) ...
Setting up php8.2-apcu (5.1.22+4.0.11-2) ...
Setting up php8.2-gd (8.2.26-1-deb12u1) ...
Creating config file /etc/php/8.2/mods-available/gd.ini with new version
Setting up php-gd (2:8.2+93) ...
Setting up libc-client2007e (8:2007f~dfsg-7+b2) ...
Setting up php-xml (2:8.2+93) ...
Setting up php-curl (2:8.2+93) ...
Setting up php-mysql (2:8.2+93) ...
Setting up php8.2-imap (8.2.26-1-deb12u1) ...
Creating config file /etc/php/8.2/mods-available/imap.ini with new version
Setting up php8.2-zip (8.2.26-1-deb12u1) ...
Creating config file /etc/php/8.2/mods-available/zip.ini with new version
Setting up php-imap (2:8.2+93) ...
Setting up php-zip (2:8.2+93) ...
Processing triggers for man-db (2.11.2-2) ...
Processing triggers for libapache2-mod-php8.2 (8.2.26-1-deb12u1) ...
Processing triggers for libc-bin (2.36-9+deb12u9) ...
Processing triggers for php8.2-cli (8.2.26-1-deb12u1) ...
root@vbox: /home/vboxuser# sudo mysql_secure_installation
```

### Configuration de la Base de données :



```
Activities Terminal Jan 9 10:33
vboxuser@vbox: ~

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...
... Success!
- Removing privileges on test database...
... Success!

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
installation should now be secure.

Thanks for using MariaDB!
root@vbox: /home/vboxuser# y
bash: y: command not found
root@vbox: /home/vboxuser# sudo mysql -u root -p
Enter password:
Welcome to the MariaDB monitor. Commands end with ; or \g.
Your MariaDB connection id is 39
Server version: 10.11.6-MariaDB-0+deb12u1 Debian 12

Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

MariaDB [(none)]>
```

Création de la base de données GLPI et de l'utilisateur admin\_GLPI, avec le mots de pass 1234 :

```
CREATE DATABASE GLPI;
GRANT ALL PRIVILEGES ON GLPI.* TO admin_GLPI@localhost IDENTIFIED BY "1234";
FLUSH PRIVILEGES;
EXIT
```

```
root@vbox: /home/vboxuser# sudo mysql -u root -p
Enter password:
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 40
Server version: 10.11.6-MariaDB-0+deb12u1 Debian 12

Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

MariaDB [(none)]> CREATE DATABASE GLPI;
Query OK, 1 row affected (0.003 sec)

MariaDB [(none)]> GRANT ALL PRIVILEGES ON GLPI.* TO admin_GLPI@localhost IDENTIFIED BY "1234";
Query OK, 0 rows affected (0.004 sec)

MariaDB [(none)]> FLUSH PRIVILEGES;
Query OK, 0 rows affected (0.000 sec)

MariaDB [(none)]> EXIT
Bye
root@vbox: /home/vboxuser#
```

Installation GLPI :

cd /tmp

wget https://github.com/glpi-project/glpi/releases/download/10.0.10/glpi-10.0.10.tgz

```
Activities  Terminal  Jan 9 10:52  fr  [Icons]  [Search]  [Menu]  [Close]

vboxuser@vbox: ~

MariaDB [(none)]> FLUSH PRIVILEGES;
Query OK, 0 rows affected (0.000 sec)

MariaDB [(none)]> reset
->
-> Ctrl-C -- exit!
Aborted
root@vbox: /home/vboxuser# sudo mysql -u root -p
Enter password:
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 40
Server version: 10.11.6-MariaDB-0+deb12u1 Debian 12

Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

MariaDB [(none)]> CREATE DATABASE GLPI;
Query OK, 1 row affected (0.003 sec)

MariaDB [(none)]> GRANT ALL PRIVILEGES ON GLPI.* TO admin_GLPI@localhost IDENTIFIED BY "1234";
Query OK, 0 rows affected (0.004 sec)

MariaDB [(none)]> FLUSH PRIVILEGES;
Query OK, 0 rows affected (0.000 sec)

MariaDB [(none)]> EXIT
Bye
root@vbox: /home/vboxuser# cd /tmp
wget https://github.com/glpi-project/glpi/releases/download/10.0.10/glpi-10.0.10.tgz
--2025-01-09 10:51:51-- https://github.com/glpi-project/glpi/releases/download/10.0.10/glpi-10.0.10.tgz
Resolving github.com (github.com)... 140.82.121.4
Connecting to github.com (github.com)|140.82.121.4|:443... connected.
```

Décompression de l'archive .tgz :

sudo tar -xzf glpi-10.0.10.tgz -C /var/www/

```
Activities Terminal Jan 9 11:09 vboxuser@vbox: ~
MariaDB [(none)]> EXIT
Bye
root@vbox:/home/vboxuser# cd /tmp
wget https://github.com/glpi-project/glpi/releases/download/10.0.10/glpi-10.0.10.tgz
--2025-01-09 10:51:51-- https://github.com/glpi-project/glpi/releases/download/10.0.10/glpi-10.0.10.tgz
Resolving github.com (github.com)... 140.82.121.4
Connecting to github.com (github.com)[140.82.121.4]:443... connected.
HTTP request sent, awaiting response... 302 Found
Location: https://objects.githubusercontent.com/github-production-release-asset-2e65be/39182755/2799160e-e62f-47bd-8fe6-a8c50209f3ab?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=releaseassetproduction%2F20250109%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20250109T095152Z&X-Amz-Expires=300&X-Amz-Signature=f4a2c114f3936fd289e8a5775c3f8298bb0b084a8835c666498fbfda0fc08e9a&X-Amz-SignedHeaders=host&response-content-disposition=attachment%3B%20filename%3Dglpi-10.0.10.tgz&response-content-type=application%2Foctet-stream [following]
--2025-01-09 10:51:52-- https://objects.githubusercontent.com/github-production-release-asset-2e65be/39182755/2799160e-e62f-47bd-8fe6-a8c50209f3ab?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=releaseassetproduction%2F20250109%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20250109T095152Z&X-Amz-Expires=300&X-Amz-Signature=f4a2c114f3936fd289e8a5775c3f8298bb0b084a8835c666498fbfda0fc08e9a&X-Amz-SignedHeaders=host&response-content-disposition=attachment%3B%20filename%3Dglpi-10.0.10.tgz&response-content-type=application%2Foctet-stream
Resolving objects.githubusercontent.com (objects.githubusercontent.com)... 185.199.111.133, 185.199.108.133, 185.199.110.133, ...
Connecting to objects.githubusercontent.com (objects.githubusercontent.com)[185.199.111.133]:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 59092816 (56M) [application/octet-stream]
Saving to: 'glpi-10.0.10.tgz'

glpi-10.0.10.tgz          100%[=====>] 56.35M  26.5MB/s   in 2.1s

2025-01-09 10:51:54 (26.5 MB/s) - 'glpi-10.0.10.tgz' saved [59092816/59092816]

root@vbox:/tmp# sudo tar -xzf glpi-10.0.10.tgz -C /var/www/
glpi/
glpi/css_compiled/
glpi/css_compiled/css_install.min.css
glpi/css_compiled/css_palettes_aerialgreen.min.css
glpi/css_compiled/css_palettes_auror.min.css
glpi/css_compiled/css_palettes_auror_dark.min.css
glpi/css_compiled/css_palettes_autumn.min.css
```

Création de l'utilisateur www-data qui sera le propriétaire des fichiers du GLPI et User du serveur Apache :

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

```
root@vbox:/tmp# sudo chown www-data /var/www/glpi/ -R
```

Création du /etc/glpi, où les fichiers de configuration seront GLPI:

sudo mkdir /etc/glpi

sudo chown www-data /etc/glpi/

```
root@vbox:/tmp# sudo mkdir /etc/glpi
sudo chown www-data /etc/glpi/
```

Déplacer le fichier décompressé dans le répertoire :

```
root@vbox:/tmp# sudo mv /var/www/glpi/files /var/lib/glpi
```

Création du répertoire "/var/lib/glpi"

sudo mkdir /var/lib/glpi

sudo chown www-data /var/lib/glpi/

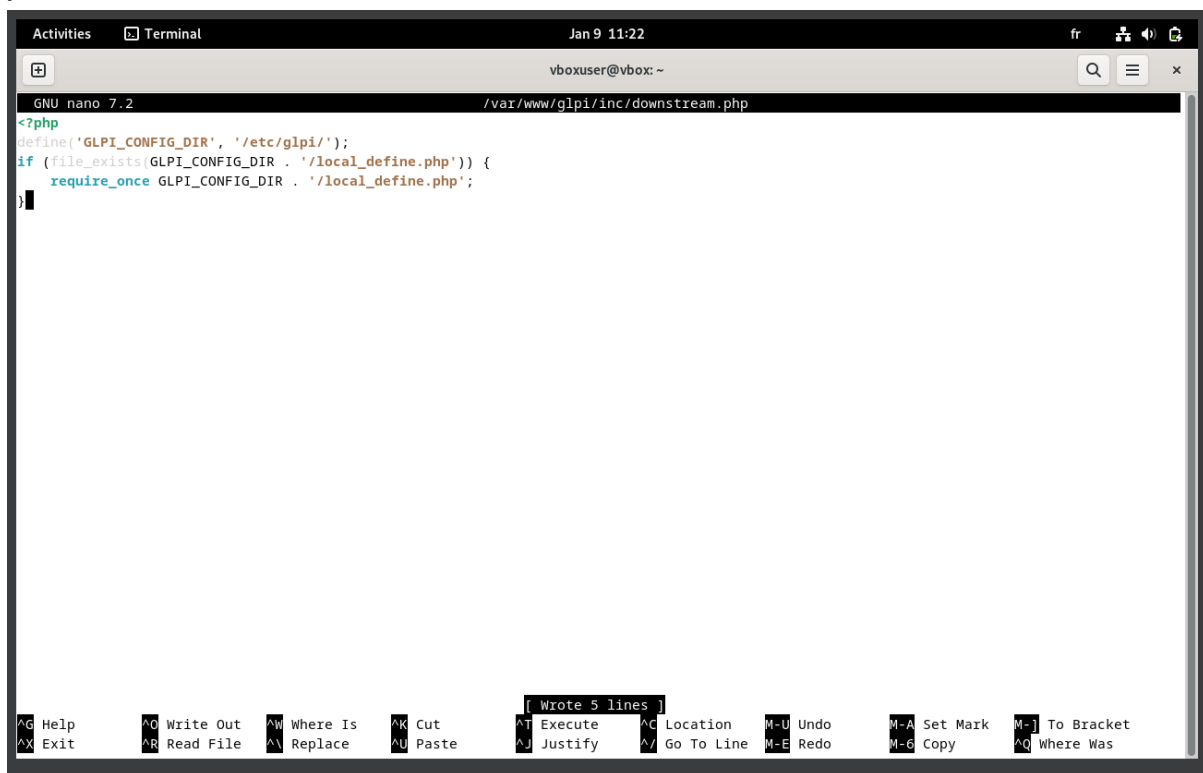
```
root@vbox:/tmp# sudo mkdir /var/lib/glpi
sudo chown www-data /var/lib/glpi/
```

```
sudo mv /var/www/glpi/files /var/lib/glpi
```

```
|root@vbox:/tmp# _sudo mv /var/www/glpi/files /var/lib/glpi
```

Création et configuration du premier Fichier de configuration :

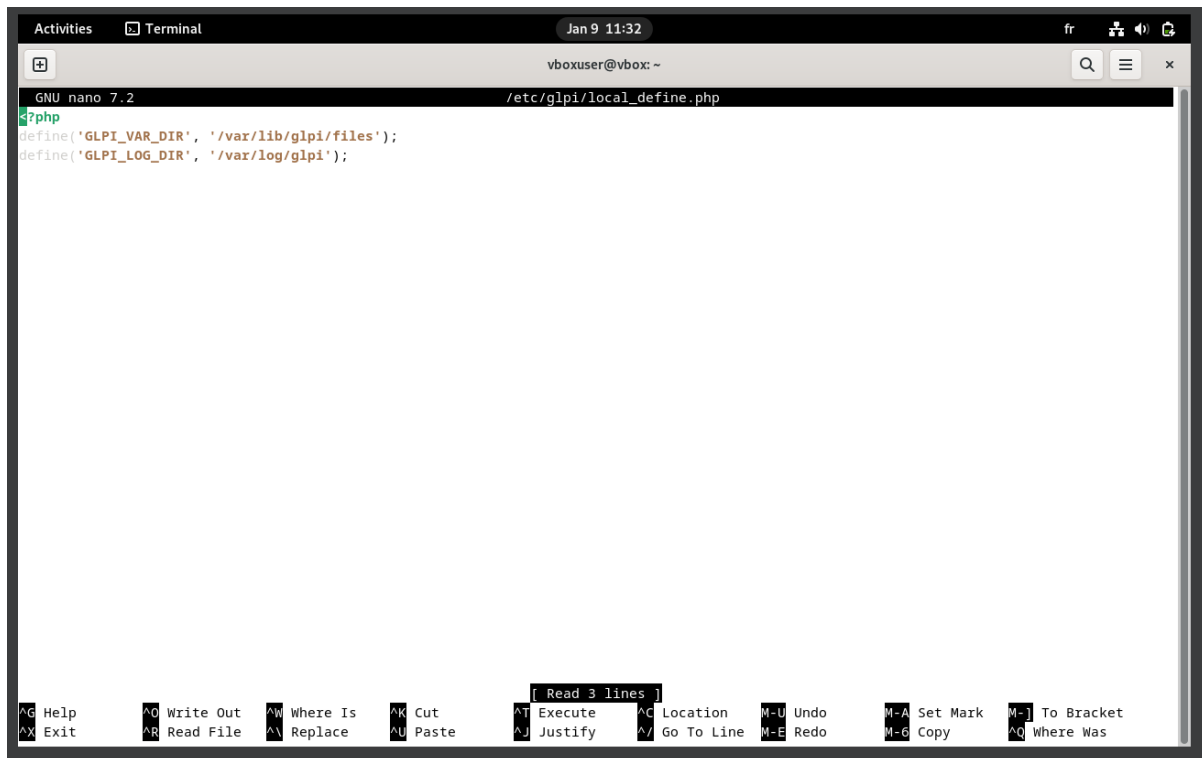
```
sudo nano /var/www/glpi/inc/downstream.php
<?php
define('GLPI_CONFIG_DIR', '/etc/glpi/');
if (file_exists(GLPI_CONFIG_DIR . '/local_define.php')) {
    require_once GLPI_CONFIG_DIR . '/local_define.php';
}
```



```
Activities Terminal Jan 9 11:22 fr vboxuser@vbox: ~
GNU nano 7.2 /var/www/glpi/inc/downstream.php
<?php
define('GLPI_CONFIG_DIR', '/etc/glpi/');
if (file_exists(GLPI_CONFIG_DIR . '/local_define.php')) {
    require_once GLPI_CONFIG_DIR . '/local_define.php';
}
[ Wrote 5 lines ]
^G Help ^O Write Out ^W Where Is ^K Cut ^T Execute ^C Location M-U Undo M-A Set Mark M-J To Bracket
^X Exit ^R Read File ^\ Replace ^U Paste ^J Justify ^_ Go To Line M-E Redo M-G Copy ^Q Where Was
```

Création et configuration du deuxieme Fichier de configuration :

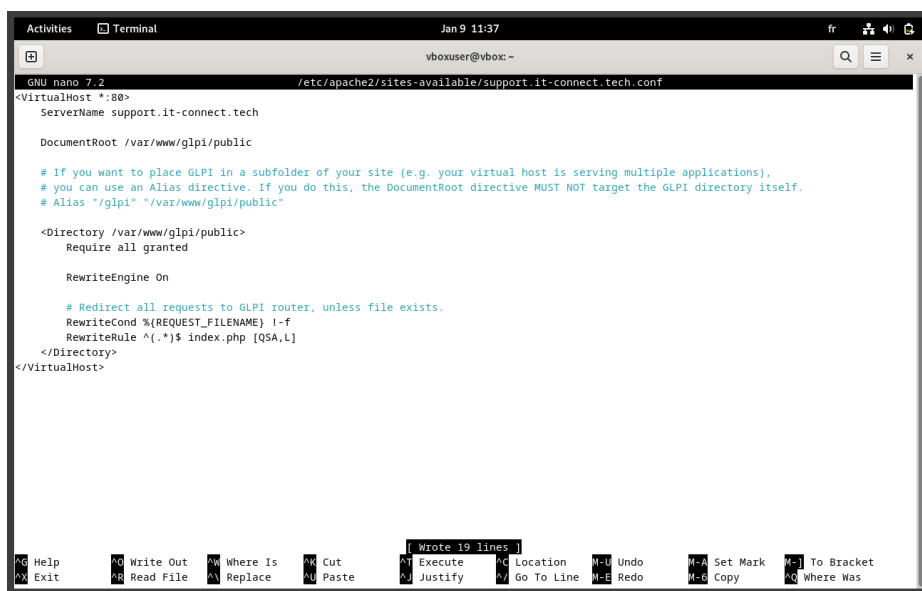
```
sudo nano /etc/glpi/local_define.php
```



```
GNU nano 7.2 /etc/glpi/local_define.php
<?php
define('GLPI_VAR_DIR', '/var/lib/glpi/files');
define('GLPI_LOG_DIR', '/var/log/glpi');
```

Configuration Apache2 :

`sudo nano /etc/apache2/sites-available/support.it-connect.tech.conf`



```
GNU nano 7.2 /etc/apache2/sites-available/support.it-connect.tech.conf
<VirtualHost *:80>
  ServerName support.it-connect.tech

  DocumentRoot /var/www/glpi/public

  # 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/public>
    Require all granted

    RewriteEngine On

    # Redirect all requests to GLPI router, unless file exists.
    RewriteCond %{REQUEST_FILENAME} !-f
    RewriteRule ^{.}$ index.php [QSA,L]
  </Directory>
</VirtualHost>
```

Puis, nous allons activer ce nouveau site dans Apache2 :

`sudo a2ensite support.it-connect.tech.conf`

```
root@vbox:/tmp# sudo a2ensite support.it-connect.tech.conf
Site support.it-connect.tech already enabled
```

Désactiver le site par défaut car il est inutile :

```
sudo a2dissite 000-default.conf
```

```
root@vbox:/tmp# sudo a2dissite 000-default.conf
Site 000-default disabled.
To activate the new configuration, you need to run:
    systemctl reload apache2
```

Nous allons aussi activer le module "rewrite" (pour les règles de réécriture) car on l'a utilisé dans le fichier de configuration du VirtualHost (RewriteCond / RewriteRule).

```
sudo a2enmod rewrite
```

```
root@vbox:/tmp# sudo a2enmod rewrite
Enabling module rewrite.
To activate the new configuration, you need to run:
    systemctl restart apache2
```

Il ne reste plus qu'à redémarrer le service Apache2 :

```
sudo systemctl restart apache2
```

```
root@vbox:/tmp# sudo systemctl restart apache2
```

Installation PHP :

```
sudo apt-get install php8.2-fpm
```

```
root@vbox:/tmp# apt-get install apache2
```

Désactivation des modules inutiles

```
sudo a2enmod proxy_fcgi setenvif
```

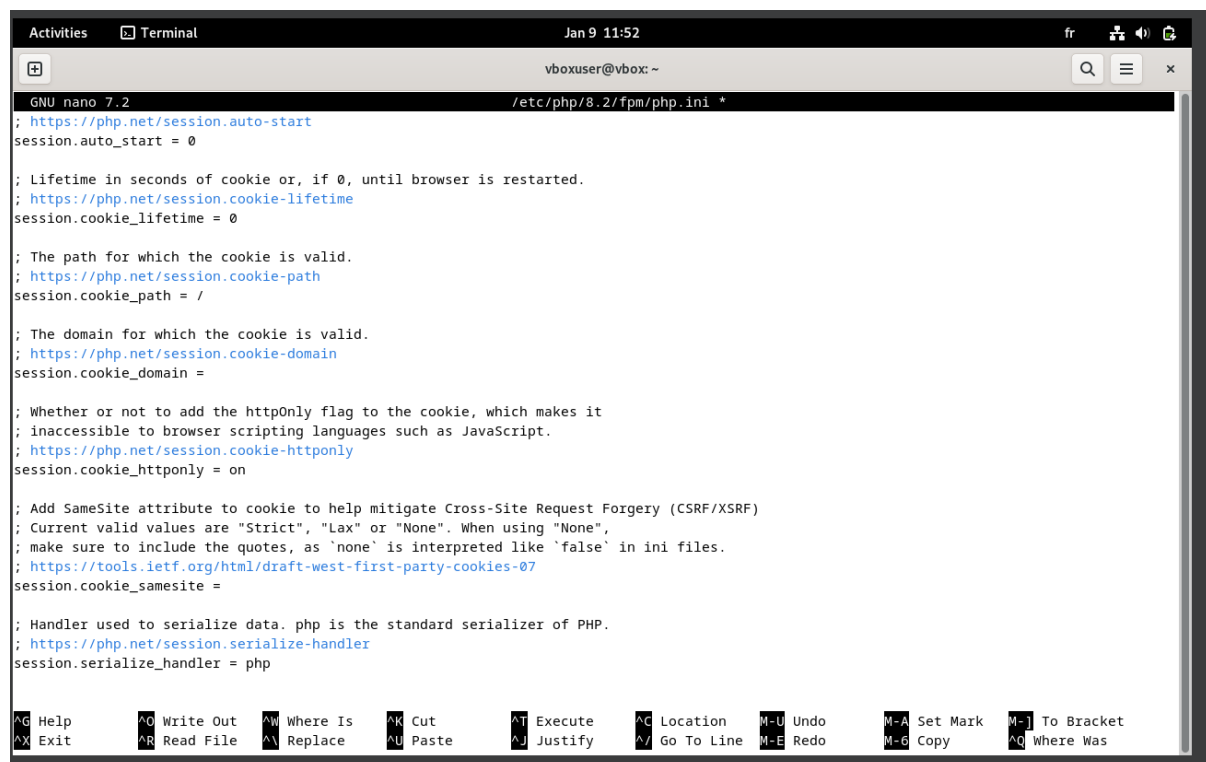
```
sudo a2enconf php8.2-fpm
```

```
sudo systemctl reload apache2
```

```
root@vbox:/tmp# sudo a2enmod proxy_fcgi setenvif
sudo a2enconf php8.2-fpm
sudo systemctl reload apache2
```

Configuration PHP-FPM pour Apache2,

```
sudo nano /etc/php/8.2/fpm/php.ini
```



```
GNU nano 7.2 /etc/php/8.2/fpm/php.ini *
; https://php.net/session.auto-start
session.auto_start = 0

; Lifetime in seconds of cookie or, if 0, until browser is restarted.
; https://php.net/session.cookie-lifetime
session.cookie_lifetime = 0

; The path for which the cookie is valid.
; https://php.net/session.cookie-path
session.cookie_path = /

; The domain for which the cookie is valid.
; https://php.net/session.cookie-domain
session.cookie_domain =

; Whether or not to add the httpOnly flag to the cookie, which makes it
; inaccessible to browser scripting languages such as JavaScript.
; https://php.net/session.cookie-httponly
session.cookie_httponly = on

; Add SameSite attribute to cookie to help mitigate Cross-Site Request Forgery (CSRF/XSRF)
; Current valid values are "Strict", "Lax" or "None". When using "None",
; make sure to include the quotes, as 'none' is interpreted like 'false' in ini files.
; https://tools.ietf.org/html/draft-west-first-party-cookies-07
session.cookie_samesite =

; Handler used to serialize data. php is the standard serializer of PHP.
; https://php.net/session.serialize-handler
session.serialize_handler = php

^G Help      ^O Write Out  ^W Where Is   ^K Cut        ^T Execute    ^C Location   ^U Undo       ^M Set Mark   ^_ To Bracket
^X Exit      ^R Read File  ^L Replace    ^U Paste      ^J Justify    ^_/ Go To Line  ^-E Redo      ^G Copy       ^Q Where Was
```

Redémarrage du service :

```
sudo systemctl restart php8.2-fpm.service
```

```
root@vbox:/tmp# sudo systemctl restart php8.2-fpm.service
```

Configuration de GLPI avec les informations précédemment définie



Activities Firefox ESR Jan 9 12:46 fr

Comment installer GLPI x New Tab x Setup GLPI x [RESOLU] Installation Le x l'accès en écriture à /var/ x

localhost/install/install.php 150%

# GLPI

## GLPI SETUP

### Étape 1

#### Configuration de la connexion à la base de données

Serveur SQL (MariaDB ou MySQL)

Utilisateur SQL

Mot de passe SQL

Continuer >

Activities Firefox ESR Jan 9 12:49 fr

Comment installer GLPI x New Tab x Setup GLPI x [RESOLU] Installation Le x l'accès en écriture à /var/ x

localhost/install/install.php 150%

### Étape 2

#### Test de connexion à la base de données

✓ Connexion à la base de données réussie

Veuillez sélectionner une base de données :

Créer une nouvelle base ou utiliser une base existante :

☐

☒ GLPI

Continuer >

localhost