

# How to Install PHPMyAdmin on Linux?

written by sysadmin | 12 November 2025

By default, if you want to access the MariaDB database, then you have to access it using the CLI. However, this method is a bit difficult, especially for those who are not used to the CLI. So you need an application that can display the database in the GUI, and you can interact with the database using the application. One application that is often used is the PHPMyAdmin application.

## **Problem**

How to install PHPMyAdmin on Linux?

## **Solution**

phpMyAdmin is an open-source, free MySQL and MariaDB administration tool, and as of this writing (November 2025), this application has version 5.2.3. This application is a web application and is written using PHP. Before installing the PHPMyAdmin application, you must have installed the database on your Linux server, and you must have provided a password for the database. Here is how to install the PHPMyAdmin application on Linux, based on the distro:

### **Ubuntu/Debian**

```
sudo apt update
sudo apt install phpmyadmin php-mbstring php-zip php-gd php-json php-curl
```

### **RockyLinux/AlmaLinux/CentOS**

```
yum install httpd
yum install php-phpmysql
```

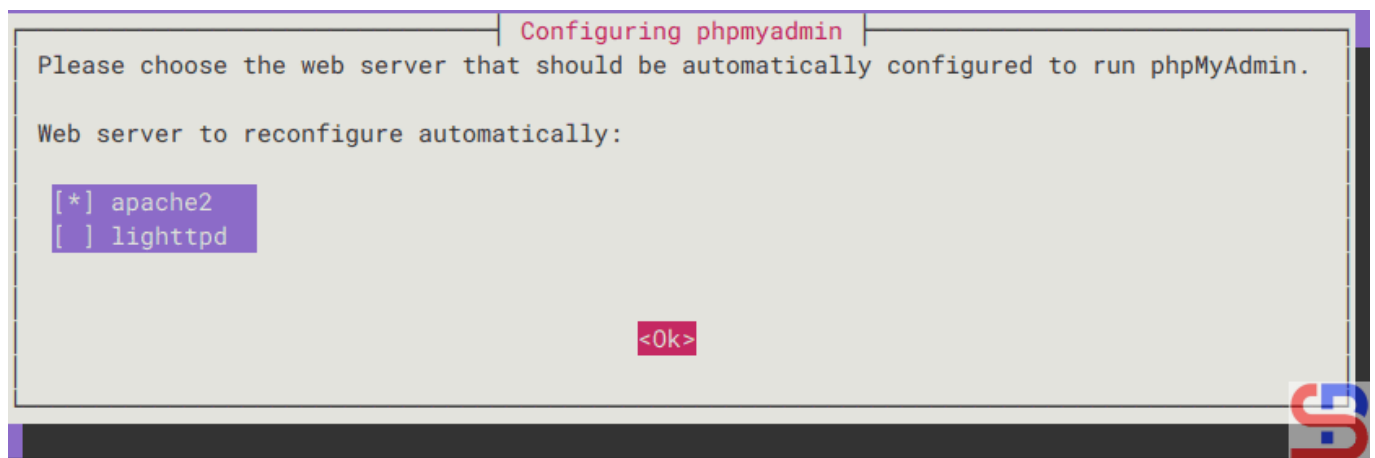
### **OpenSUSE**

```
sudo zypper install apache2
sudo zypper install php7 php7-mysql apache2-mod_php7 phpMyAdmin
```

This article will install PHPMyAdmin on **Ubuntu 24.04** and run the command below:

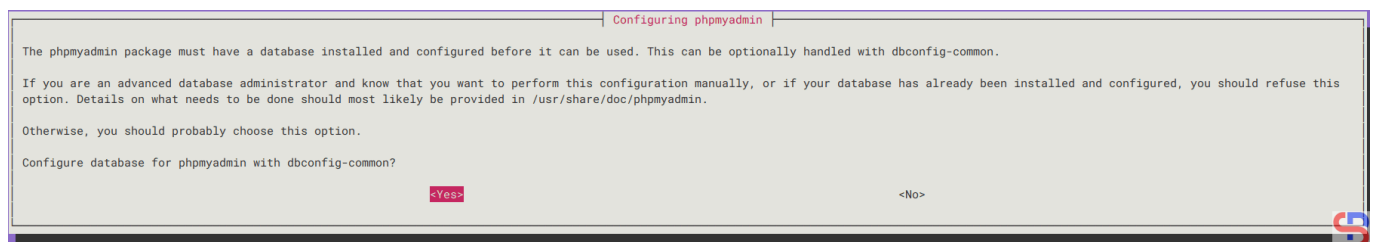
```
sudo apt update
sudo apt install phpmyadmin php-mbstring php-zip php-gd php-json php-curl
```

During installation, a pop-up will appear as below:



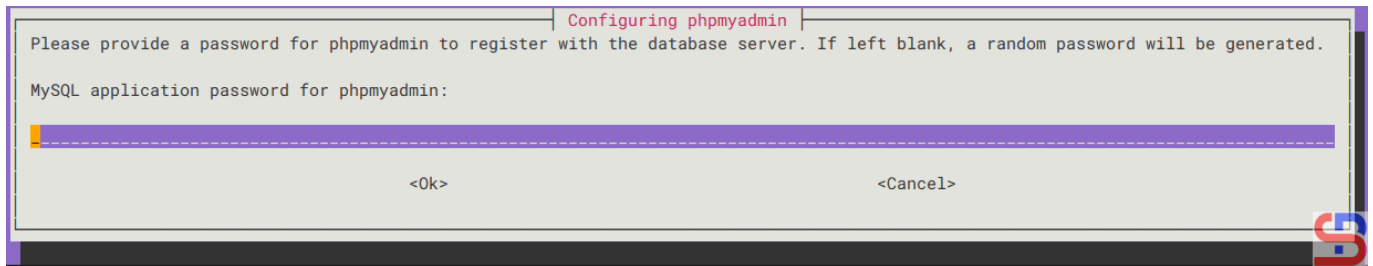
Select the web server

Select the web server used, and I use the Apache web server, and click **OK**. Then there will be another pop-up like below:



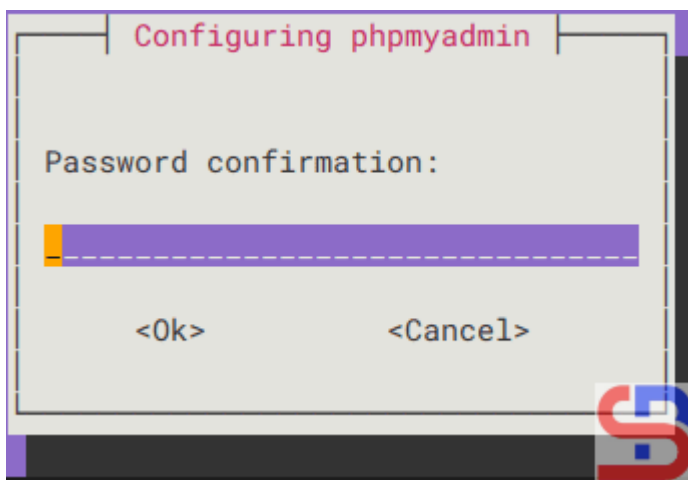
Configuring phpmyadmin

Choose **Yes**, and the installation will continue, but after that, you must enter the password for phpadmin as in the image below:



Enter the password

Enter your password, click **Ok**, and then there will be an email confirmation as in the image below:

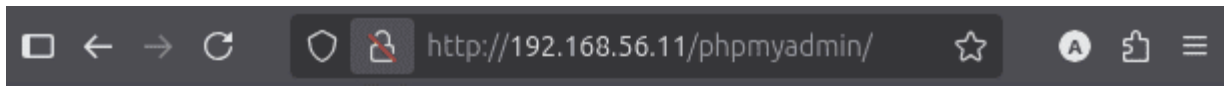


Password confirmation

Enter your password again, click **Ok**, and the installation process will continue. And you have to wait until the installation process is complete. After that, open your browser and type the URL below:

[http://your\\_ip\\_server/phpmyadmin](http://your_ip_server/phpmyadmin)

There should be a display like the image below:



**phpMyAdmin**  
Welcome to phpMyAdmin

**Language**

English

**Log in**

Username:

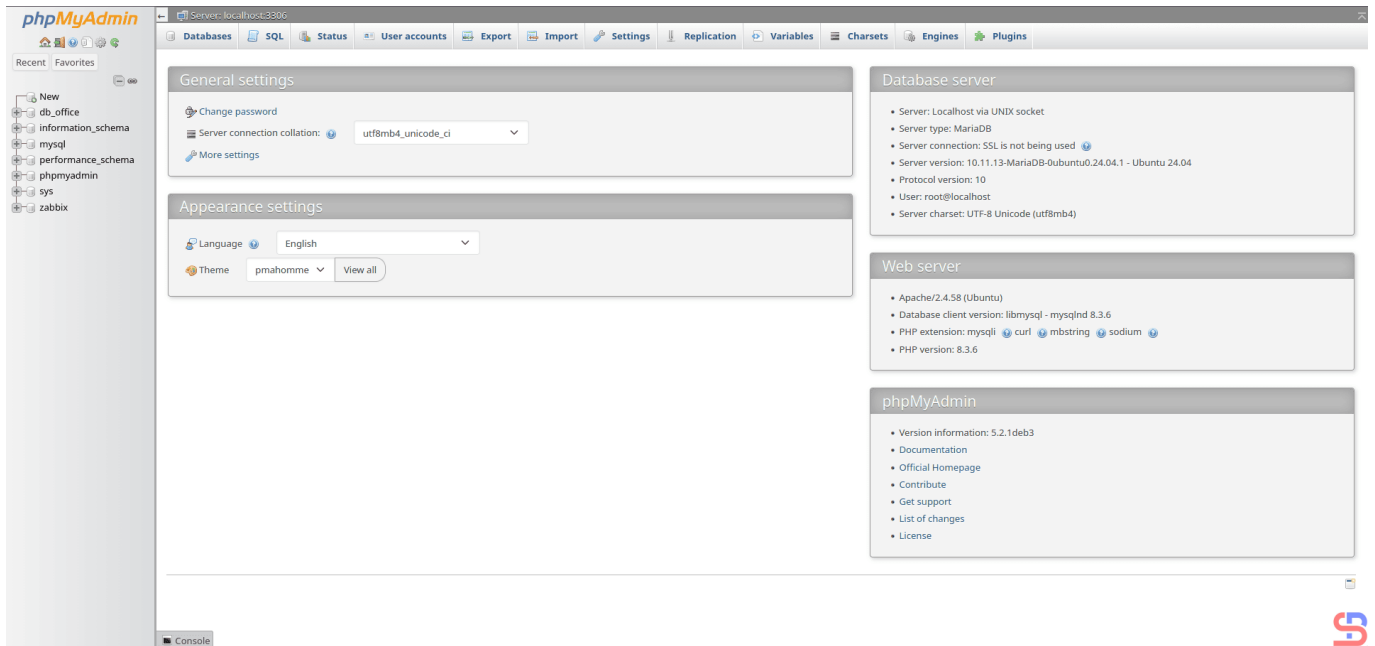
Password:

**Log in**



Enter username and password

If there is no display like the one above, it looks like you have to [open port 80](#) on your server. Enter your username and password in your MySQL/MariaDB Database, and if there are no errors, then there will be a display like in the image below:



Access to PHPMyAdmin

To see all the databases in your database, click **Database** as shown in the image below:



## Databases

**Create database**

Database name:  utf8mb4\_general\_ci ▼ **Create**

Check all  Drop

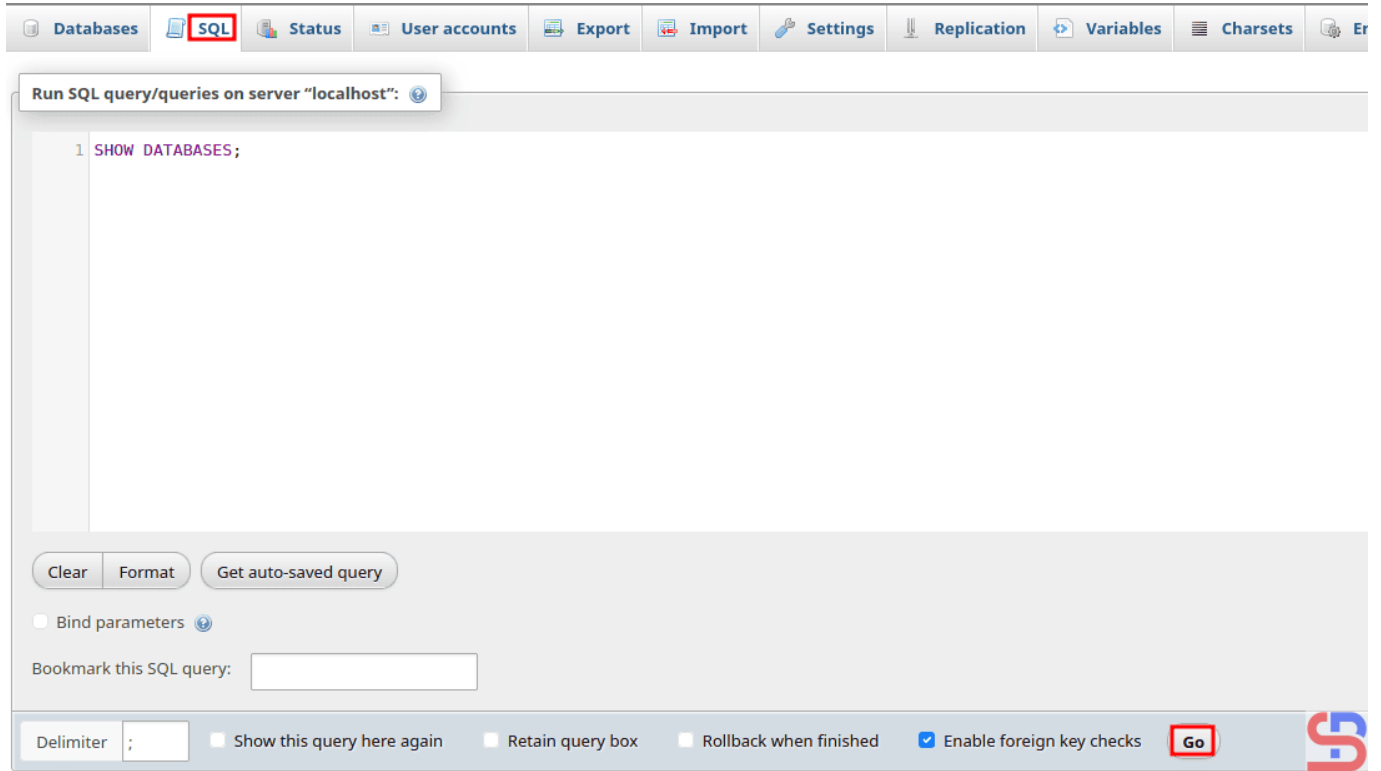
	Database ▲	Collation	Action
<input type="checkbox"/>	db_office	utf8mb4_general_ci	Check privileges
<input type="checkbox"/>	information_schema	utf8mb3_general_ci	Check privileges
<input type="checkbox"/>	mysql	utf8mb4_general_ci	Check privileges
<input type="checkbox"/>	performance_schema	utf8mb3_general_ci	Check privileges
<input type="checkbox"/>	phpmyadmin	utf8mb4_general_ci	Check privileges
<input type="checkbox"/>	sys	utf8mb3_general_ci	Check privileges
<input type="checkbox"/>	zabbix	utf8mb4_bin	Check privileges

**Total: 7**



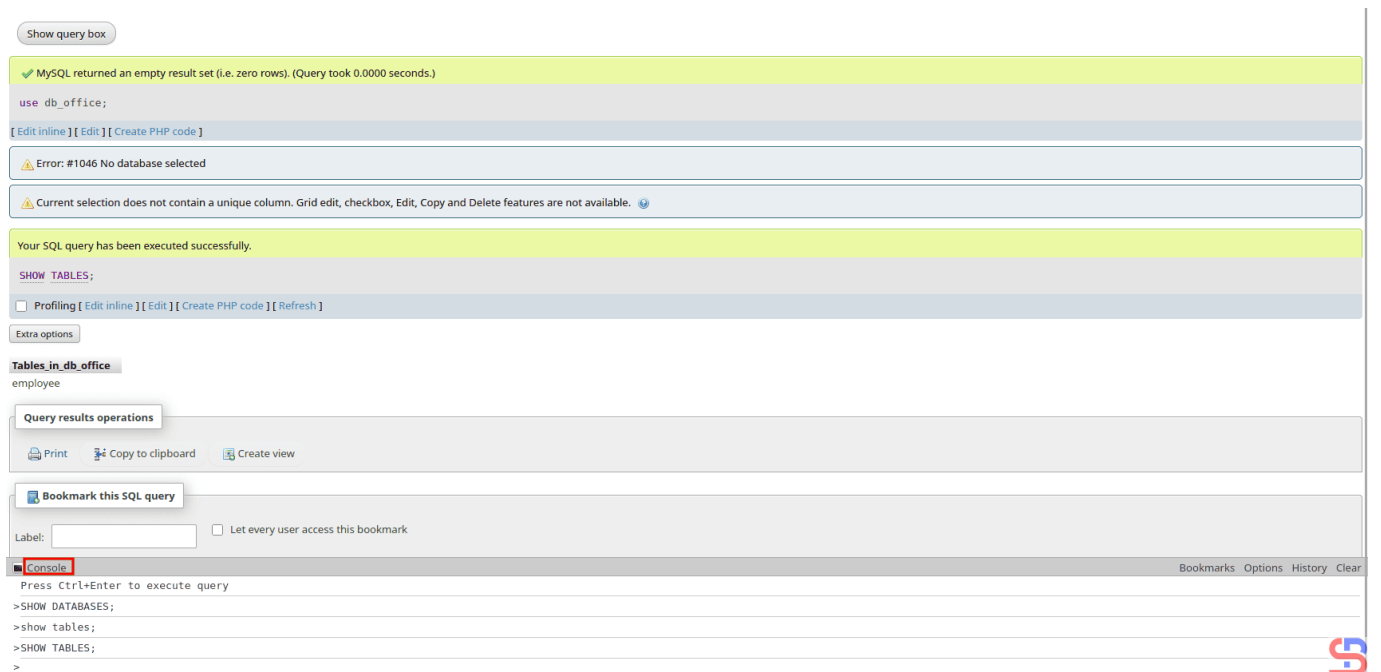
List all databases

You can also perform queries in the SQL section, as in the image below:



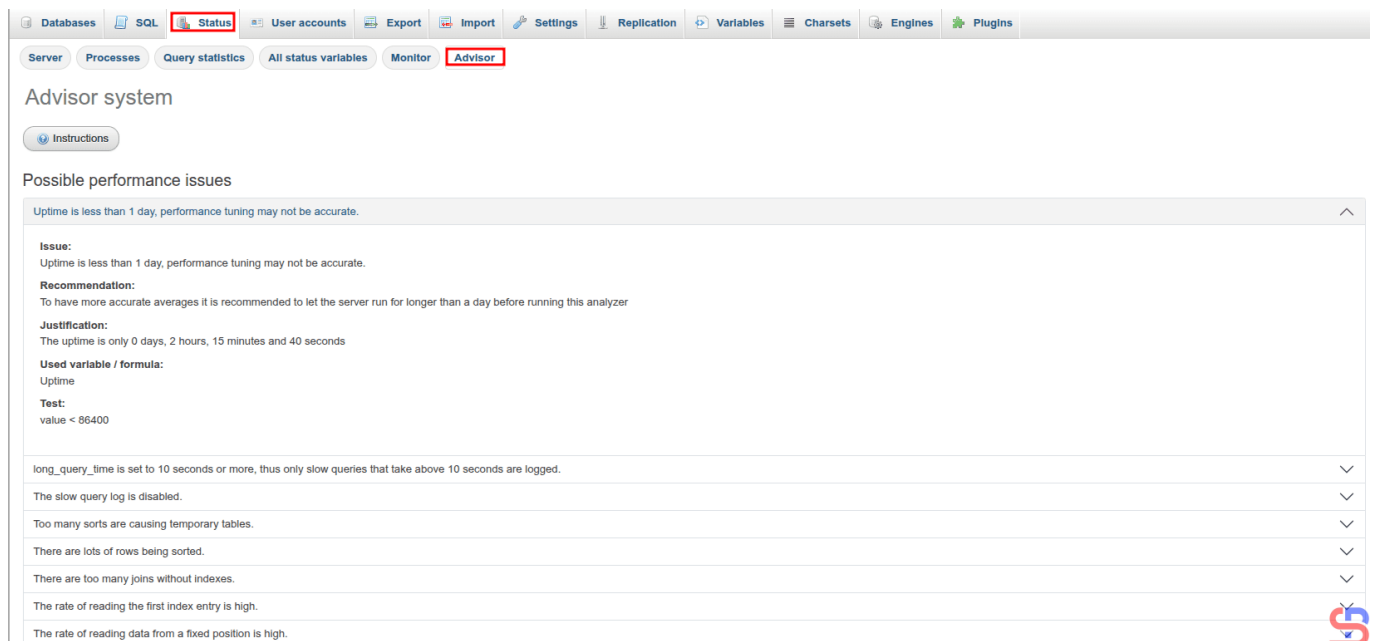
Execute query in PHPMyAdmin

And you can see the history of queries that you have done in PHPMyAdmin in the **console** section, as in the image below:



Show the history of the query in PHPMYAdmin

And in the console section, you can also perform queries by pressing **Ctrl+Enter** after you write the query. In fact, this application also provides an advisor feature to provide recommendations for your MariaDB database, as shown in the image below:



Recommendation for your database in phpMyAdmin

## Note

It is highly recommended to restrict access to the PHPMYAdmin application. Therefore, this application should only be allowed on certain IPs, for example, office IPs. And you can make these restrictions in the **/etc/apache2/conf-available/phpmyadmin.conf** file in the **/usr/share/phpmyadmin** section. For example, if you want only IP 192.168.56.1 to be able to access this application, then add the script below:

```
# Limit IP
Order Deny,Allow
Deny from All
Allow from sysadminpedia.com
Allow from 192.168.56.1
Allow from 127.0.0.1
```

```
<Directory /usr/share/phpmyadmin>
Options SymLinksIfOwnerMatch
DirectoryIndex index.php

# limit libapache2-mod-php to files and directories necessary by pma
<IfModule mod_php7.c>
    php_admin_value upload_tmp_dir /var/lib/phpmyadmin/tmp
    php_admin_value open_basedir /usr/share/phpmyadmin/:/usr/share/doc/phpmyadmin/:/etc/phpmyadmin/:/var/lib/phpmyadmin/:/usr/share/php/:/usr/share/javascript/
</IfModule>

# PHP 8+
<IfModule mod_php.c>
    php_admin_value upload_tmp_dir /var/lib/phpmyadmin/tmp
    php_admin_value open_basedir /usr/share/phpmyadmin/:/usr/share/doc/phpmyadmin/:/etc/phpmyadmin/:/var/lib/phpmyadmin/:/usr/share/php/:/usr/share/javascript/
</IfModule>

# Limit IP
Order Deny,Allow
Deny from All
Allow from sysadminpedia.com
Allow from 192.168.56.1
Allow from 127.0.0.1
</Directory>
```

## IP limitation in PHPMYAdmin

After that, restart your web server. Now you can't open the phpMyAdmin application except at the IP you have specified in the phpmyadmin.conf file

## References

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[digitalocean.com](https://digitalocean.com)  
[tutorialspoint.com](https://tutorialspoint.com)  
[synaptica.info](https://synaptica.info)  
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