

MariaDB 10.3

Installation from Debian 10 repositories

```
# apt update
# apt install mariadb-server
# mysql_secure_installation
```

Enter a root password.

- [How To Install MariaDB on Debian 9](#)
- [How To Install MariaDB on Debian 11](#)
- [How to Transfer All MySQL Databases From Old to New Server](#)

phpMyAdmin

- [phpMyAdmin](#)

```
# apt update
```

```
# apt install phpmyadmin php-mbstring php-gettext
# phpenmod mbstring
# systemctl restart apache2
```

Select Yes when asked whether to use dbconfig-common to set up the database.

- [How To Install and Secure phpMyAdmin on Debian 9](#)

Adjusting User Authentication and Privileges

```
# mariadb -u root -p
MariaDB [(none)]> CREATE USER 'user'@'localhost' IDENTIFIED BY 'password';
MariaDB [(none)]> GRANT ALL PRIVILEGES ON *.* TO 'user'@'localhost' WITH
GRANT OPTION;
MariaDB [(none)]> exit
```

Securing Your phpMyAdmin Instance

Edit /etc/apache2/conf-available/phpmyadmin.conf:

```
Alias /phpmyadmin /usr/share/phpmyadmin
<Directory /usr/share/phpmyadmin>
    Options FollowSymLinks
```

```
DirectoryIndex index.php

# Allow user to access without password
Include conf-available/user-access.conf

<IfModule mod_php5.c>
  <IfModule mod_mime.c>
    AddType application/x-httpd-php .php
  </IfModule>
  <FilesMatch ".+\.php$" >
    SetHandler application/x-httpd-php
  </FilesMatch>

  php_flag magic_quotes_gpc Off
  php_flag track_vars On
  php_flag register_globals Off
  php_admin_flag allow_url_fopen Off
  php_value include_path .
  php_admin_value upload_tmp_dir /var/lib/phpmyadmin/tmp
  php_admin_value open_basedir
/usr/share/phpmyadmin/:/etc/phpmyadmin/:/var/lib/phpmyadmin/:/usr/share/php/
php-gettext/:/usr/share/javascript/:/usr/share/php/tcpdf/
  </IfModule>
</Directory>
```

conf-available/user-access.conf contains:

```
# Allow user to access without password
Require ip www.xx.yyy.zzz
```

Settings

- Modify the following in /etc/mysql/mariadb.conf.d/50-server.conf

```
# * Query Cache Configuration
query_cache_limit = 64M
query_cache_size = 256M
# * InnoDB
innodb_buffer_pool_size = 1024M
# * Aria
aria_pagecache_buffer_size = 256M
```

- On my Debian 9 server with MariaDB 10.1 I had occasional db crashes with *** buffer overflow detected ***, so I added a CRON job to restart MariaDB once a week.

Trouble shooting

- [Install MariaDB 10.4 on Debian 10](#)

- [How To Install MariaDB 10.4 on Debian 10](#)
- [Possible to make MySQL use more than one core?](#)
- [How to Optimize MySQL Queries for Speed and Performance](#)
- [InnoDB variables and status explained](#)

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