

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

From:

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Last update: **2022/09/25 16:14**