

MySQL

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Upgrade MySQL version on Debian 7/8

1. Download the MySQL APT repository config tool (you can see more details and the latest version of the tool here: <http://dev.mysql.com/downloads/repo/apt/>)

```
wget https://dev.mysql.com/get/mysql-apt-config_0.8.9-1_all.deb
```

2. Install the MySQL APT repository config tool

```
dpkg -i mysql-apt-config_0.8.9-1_all.deb
```

You will be asked to select product and version that you want to install. In the first step, select Server and next select either mysql-5.6 or mysql-5.7. Then click Apply.

3. Update APT

```
apt-get update
```

4. Install the server

```
apt-get install mysql-server
```

5. Set the data directory in /etc/mysql/mysql.conf.d/mysqld.cnf, restart the server and run the table upgrade utility

```
/etc/init.d/mysql restart  
mysql_upgrade -u<user> -p
```

Links

- [Download MySQL APT Repository](#)
- [How to install MySQL server 5.6 or 5.7](#)
- [Replacing a Native Distribution of MySQL Using the MySQL APT Repository](#)

Install MariaDB on Debian 7/8

1. Uninstall mysql with

```
sudo apt-get remove --purge mysql\*
```

2. Install APT repository sources

```
sudo apt-get install software-properties-common
sudo apt-key adv --recv-keys --keyserver keyserver.ubuntu.com
0xcbc082a1bb943db
sudo add-apt-repository 'deb [arch=amd64,i386,ppc64el]
http://www.ftp.saix.net/DB/mariadb/repo/10.1/debian jessie main'
```

3. Install MariaDB server

```
sudo apt-get update
sudo apt-get install mariadb-server
```

4. Install phpmyadmin and php5-mysql which got uninstalled when uninstalling mysql

```
apt-get install phpmyadmin
```

5. Modify configuration file /etc/mysql/my.cnf and set path to data directory
6. Restart server and run mysql-upgrade

```
/etc/init.d/mysql restart
mysql-upgrade
```

7. login to the server (command line or phpmyadmin) and set the password of user debian-sys-maint to the one stored in /etc/mysql/debian.cnf
8. Install MySQLTuner

```
wget https://github.com/major/MySQLTuner-perl/tarball/master
tar xf master
cd major-MySQLTuner-perl-993bc18/
./mysqltuner.pl
```

Links

- [Changes & Improvements in MariaDB 10.1](#)
- [Installing MariaDB .deb Files](#)
- [15 Useful MySQL/MariaDB Performance Tuning and Optimization Tips](#)
- [How to remove MySQL completely with config and library files?](#)
- [How to Install MariaDB 10 on Debian and Ubuntu](#)

- [Installing MariaDB 10.1 in Debian Jessie and Running Various MariaDB Queries](#)
- [10.4 Connection Character Sets and Collations](#)
- [10.5 Configuring Application Character Set and Collation](#)
- [15.1 Setting the Storage Engine](#)
- [Setting Character Sets and Collations](#)
- [SET NAMES](#)
- [MariaDB default character set and collation should be UTF-8](#)
- [MariaDB server version not returned correctly in libraries/joomla/database/driver/mysqli.php](#)

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