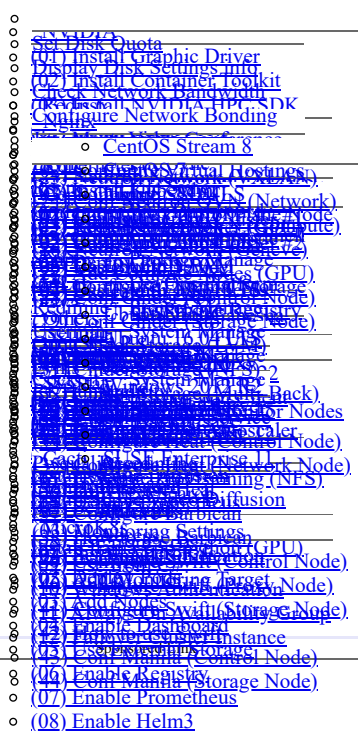
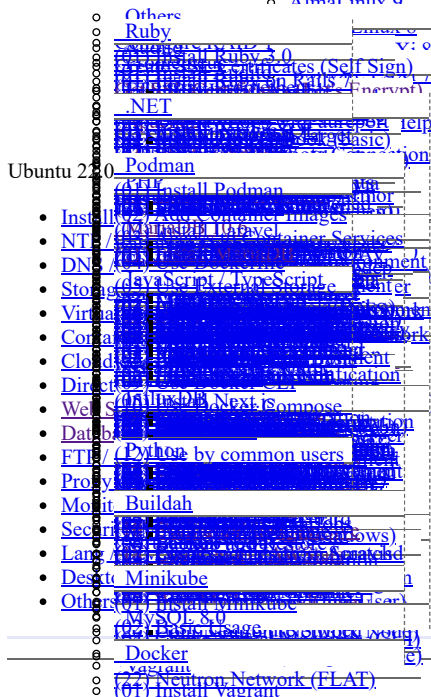


- Server World

[Privacy Policy](#)

[Support/Contact us](#)

33544 / 114453061



- CentOS 8
- CentOS 6
- CentOS 5
- Debian 10
- Debian 9
- Debian 8
- Debian 7
- Debian 6
- Fedora 39
- Fedora 38
- Fedora 37
- Fedora 36
- Fedora 35
- Fedora 34
  - o [Fedora 33](#)
  - o [Fedora 32](#)
  - o [Fedora 31 \(Local Device\)](#)
  - o [Fedora 30 \(Control Node\)](#)
  - o [Fedora 30 \(Network Node\)](#)
  - o [Fedora 29](#)
  - o [Fedora 28 Designate](#)
  - o [Fedora 28 \(Control Node\)](#)
  - o [Fedora 27](#)
  - o [Fedora 26 \(Network Node\)](#)
  - o [Fedora 26 Balancer Image](#)
  - o [Fedora 25](#)
  - o [Fedora 24 Octavia](#)
  - o [Fedora 23 Gnocchi](#)
  - o [Fedora 23 \(Network\)](#)
  - o [Fedora 22 Ceilometer \(Compute\)](#)
  - o [Fedora 22 Ceilometer \(Nova\)](#)
  - o [Fedora 21 Other IaaS](#)
  - o [Fedora 21 Ceilometer \(Glance\)](#)
  - o [Fedora 21 Ceilometer \(Cinder\)](#)
  - o [Fedora 21 Ceilometer \(Full OS List\)](#)
  - o [Fedora 20](#)
  - o [Fedora 19](#)
  - o [Fedora 18](#)
  - o [Fedora 17](#)
  - o [Fedora 16](#)
  - o [Fedora 15](#)
  - o [Fedora 14](#)
  - o [Fedora 13](#)
  - o [Fedora 12](#)
  - o [Fedora 11](#)
  - o [Fedora 10](#)
  - o [Fedora 9](#)
  - o [Fedora 8](#)
  - o [Fedora 7](#)
  - o [Fedora 6](#)
  - o [Fedora 5](#)
  - o [Fedora 4](#)
  - o [Fedora 3](#)
  - o [Fedora 2](#)
  - o [Fedora 1](#)
- OpenSUSE 42.1
- OpenSUSE 42.0
- OpenSUSE 41.1
- OpenSUSE 41.0
- OpenSUSE 40.2
- OpenSUSE 40.1
- OpenSUSE 40.0
- OpenSUSE 38.2
- OpenSUSE 38.1
- OpenSUSE 38.0
- OpenSUSE 36.2
- OpenSUSE 36.1
- OpenSUSE 36.0
- OpenSUSE 34.2
- OpenSUSE 34.1
- OpenSUSE 34.0
- OpenSUSE 32.2
- OpenSUSE 32.1
- OpenSUSE 32.0
- OpenSUSE 30.2
- OpenSUSE 30.1
- OpenSUSE 30.0
- OpenSUSE 28.2
- OpenSUSE 28.1
- OpenSUSE 28.0
- OpenSUSE 26.2
- OpenSUSE 26.1
- OpenSUSE 26.0
- OpenSUSE 24.2
- OpenSUSE 24.1
- OpenSUSE 24.0
- OpenSUSE 22.2
- OpenSUSE 22.1
- OpenSUSE 22.0
- OpenSUSE 20.2
- OpenSUSE 20.1
- OpenSUSE 20.0
- OpenSUSE 18.2
- OpenSUSE 18.1
- OpenSUSE 18.0
- OpenSUSE 16.2
- OpenSUSE 16.1
- OpenSUSE 16.0
- OpenSUSE 14.2
- OpenSUSE 14.1
- OpenSUSE 14.0
- OpenSUSE 12.2
- OpenSUSE 12.1
- OpenSUSE 12.0
- OpenSUSE 10.2
- OpenSUSE 10.1
- OpenSUSE 10.0
- OpenSUSE 8.2
- OpenSUSE 8.1
- OpenSUSE 8.0
- OpenSUSE 6.2
- OpenSUSE 6.1
- OpenSUSE 6.0
- OpenSUSE 4.2
- OpenSUSE 4.1
- OpenSUSE 4.0
- OpenSUSE 2.2
- OpenSUSE 2.1
- OpenSUSE 2.0
- OpenSUSE 1.2
- OpenSUSE 1.1
- OpenSUSE 1.0

Install MariaDB to configure Database Server.

[1] Install MariaDB.

```
root@www:~#
```

```
apt -y install mariadb-server
```

```
root@www:~#
```

[vi](#) /etc/mysql/mariadb.conf.d/50-server.cnf

```
# line 90 : confirm default charset
```

```
# if use 4 bytes UTF-8, specify [utf8mb4]
```

```
character-set-server = utf8mb4
```

```
collation-server      = utf8mb4_general_ci
```

root@www:~#

```
systemctl restart mariadb
```

[2] Initial Settings for MariaDB.

```
root@www:~#
```

## mysql secure installation

NOTE: RUNNING ALL PARTS OF THIS SCRIPT IS RECOMMENDED FOR ALL MariaDB  
SERVERS IN PRODUCTION USE! PLEASE READ EACH STEP CAREFULLY!

In order to log into MariaDB to secure it, we'll need the current password for the root user. If you've just installed MariaDB, and haven't set the root password yet, you should just press enter here.

```
Enter current password for root (enter for none):
OK, successfully used password, moving on...
```

Setting the root password or using the `unix_socket` ensures that nobody can log into the MariaDB root user without the proper authorisation.

You already have your root account protected, so you can safely answer 'n'.

```
# Switch to [unix socket] authentication or not
```

```
# [unix_socket] auth is enabled for root user by default even if you select [No]
Switch to unix_socket authentication [Y/n] n
... skipping.
```

You already have your root account protected, so you can safely answer 'n'.

```
# set MariaDB root password or not
# [unix_socket] authentication is enabled by default, but
# if you set root password, it's also possible to login with password authentication.
# if not set root password, only OS root user can login as MariaDB root user
Change the root password? [Y/n] n
... skipping.
```

By default, a MariaDB installation has an anonymous user, allowing anyone to log into MariaDB without having to have a user account created for them. This is intended only for testing, and to make the installation go a bit smoother. You should remove them before moving into a production environment.

```
# remove anonymous users
Remove anonymous users? [Y/n] y
... Success!
```

Normally, root should only be allowed to connect from 'localhost'. This ensures that someone cannot guess at the root password from the network.

```
# disallow root login remotely
Disallow root login remotely? [Y/n] y
... Success!
```

By default, MariaDB comes with a database named 'test' that anyone can access. This is also intended only for testing, and should be removed before moving into a production environment.

```
# remove test database
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
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!

```
# connect to MariaDB
```

```
root@www:~#
mysql
```

```
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 37
Server version: 10.6.7-MariaDB-2ubuntu1 Ubuntu 22.04
```

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

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

```
# [Unix_Socket] authentication is enabled by default
MariaDB [(none)]> show grants for root@localhost;
+-----+
| Grants for root@localhost |
+-----+
| GRANT ALL PRIVILEGES ON *.* TO `root`@`localhost` IDENTIFIED VIA mysql_native_password USING 'invalid' OR unix_socket W |
| GRANT PROXY ON ''@%' TO 'root'@'localhost' WITH GRANT OPTION |
+-----+
2 rows in set (0.000 sec)
```

```
# show user list
MariaDB [(none)]> select user,host,password from mysql.user;
+-----+-----+-----+
+-----+-----+-----+
```

```
| User      | Host      | Password |
+-----+
| mariadb.sys | localhost |          |
| root       | localhost | invalid  |
| mysql      | localhost | invalid  |
+-----+
3 rows in set (0.001 sec)
```

```
# show database list
```

```
MariaDB [(none)]> show databases;
```

```
+-----+
| Database |
+-----+
| information_schema |
| mysql            |
| performance_schema |
| sys              |
+-----+
4 rows in set (0.000 sec)
```

```
# create test database
```

```
MariaDB [(none)]> create database test_database;
```

```
Query OK, 1 row affected (0.000 sec)
```

```
# create test table on test database
```

```
MariaDB [(none)]> create table test_database.test_table (id int, name varchar(50), address varchar(50), primary key (id));
```

```
Query OK, 0 rows affected (0.108 sec)
```

```
# insert data to test table
```

```
MariaDB [(none)]> insert into test_database.test_table(id, name, address) values("001", "Ubuntu", "Hiroshima");
```

```
Query OK, 1 row affected (0.036 sec)
```

```
# show test table
```

```
MariaDB [(none)]> select * from test_database.test_table;
```

```
+-----+
| id | name  | address |
+-----+
| 1  | Ubuntu | Hiroshima |
+-----+
1 row in set (0.000 sec)
```

```
# delete test database
```

```
MariaDB [(none)]> drop database test_database;
```

```
Query OK, 1 row affected (0.111 sec)
```

```
MariaDB [(none)]> exit
```

```
Bye
```

[3] If you'd like to delete all data of MariaDB and initialize it, run like follows.

```
root@www:~#
systemctl stop mariadb
```

```
root@www:~#
rm -rf /var/lib/mysql/*
```

```
root@www:~#
mysql_install_db --datadir=/var/lib/mysql --user=mysql
```

```
root@www:~#
systemctl start mariadb
```

---

## M a t c h e d C o n t e n t

---

Ubuntu 22.04 : MariaDB 10.6

- [\(01\) Install MariaDB](#)
- [\(02\) MariaDB over SSL/TLS](#)
- [\(03\) MariaDB Backup](#)
- [\(04\) MariaDB Replication](#)
- [\(05\) MariaDB Galera Cluster](#)
- [\(06\) Install phpMyAdmin](#)

---

Sponsored Link

---

Copyright © 2007-2024 Server World All Rights Reserved.