

```

newhost:~ # sudo zypper install mariadb mariadb-tools
Loading repository data...
Reading installed packages...
'mariadb' is already installed.
No update candidate for 'mariadb-10.11.9-150600.4.6.1.x86_64'. The highest available version is already installed.
Resolving package dependencies...

The following 3 NEW packages are going to be installed:
  mariadb-tools perl-DBD-mysql perl-DBI

3 new packages to install.
Overall download size: 7.1 MiB. Already cached: 0 B. After the operation, additional 48.9 MiB will be used.

Backend: classic_rpmtrans
Continue? [y/n/v/? ...? shows all options] (y): y
Retrieving: perl-DBI-1.642-3.9.1.x86_64 (Main Repository) ..... [done (740.5 KiB/s)]
Retrieving: perl-DBI-1.642-3.9.1.x86_64.rpm ..... [done (769.9 KiB/s)]
Retrieving: perl-DBD-mysql-4.046-3.3.1.x86_64 (Main Repository) ..... [done (154.0 KiB/s)]
Retrieving: perl-DBD-mysql-4.046-3.3.1.x86_64.rpm ..... [done (1002.8 KiB/s)]
Retrieving: mariadb-tools-10.11.9-150600.4.6.1.x86_64 (Update repository with updates from SUSE Linux Enterprise 15) ..... [done (3/3), 6.2 MiB]
Retrieving: mariadb-tools-10.11.9-150600.4.6.1.x86_64.rpm ..... [done (16.8 MiB/s)]

Checking for file conflicts: ..... [done]
(1/3) Installing: perl-DBI-1.642-3.9.1.x86_64 ..... [done]
(2/3) Installing: perl-DBD-mysql-4.046-3.3.1.x86_64 ..... [done]
(3/3) Installing: mariadb-tools-10.11.9-150600.4.6.1.x86_64 ..... [done]
newhost:~ #

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Cleaning up...

All done! If you've completed all of the above steps, your MariaDB
installation should now be secure.

Thanks for using MariaDB!
newhost:~ # mysql -u root -p
Enter password:
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 14
Server version: 10.11.9-MariaDB MariaDB package

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

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

MariaDB [(none)]> create database my_database
-> ;
Query OK, 1 row affected (0.003 sec)

MariaDB [(none)]> CREATE DATABASE my_database;
ERROR 1007 (HY000): Can't create database 'my_database'; database exists
MariaDB [(none)]> CREATE DATABASE test_database;
Query OK, 1 row affected (0.000 sec)

MariaDB [(none)]> CREATE DATABASE test_database
-> ;
-> ;
ERROR 1007 (HY000): Can't create database 'test_database'; database exists
MariaDB [(none)]> use test_database
Database changed
MariaDB [test_database]> create table my_table
-> {
-> exit
-> ;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near '{
exit' at line 2
MariaDB [test_database]> create table my_table (id INT AUTO_INCREMENT PRIMARY KEY, name VARCHAR(100) NOT NULL, age INT NOT NULL, email VARCHAR(100));
Query OK, 0 rows affected (0.035 sec)

MariaDB [test_database]>

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exit' at line 2
MariaDB [test_database]> create table my_table (id INT AUTO_INCREMENT PRIMARY KEY, name VARCHAR(100) NOT NULL, age INT NOT NULL, email VARCHAR(100));
Query OK, 0 rows affected (0.035 sec)

MariaDB [test_database]> INSERT INTO my_table (name,age,email) VALUES ('Alice', 30, 'alice@gmail.com'),('Raiiley', 21, 'nickoleibautista@gmail.com'),('Vince',
21, 'raileynickoleivince@gmail.com');
Query OK, 3 rows affected (0.007 sec)
Records: 3 Duplicates: 0 Warnings: 0

MariaDB [test_database]> SELECT * FROM my_table
->
->
->

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-> ;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near
exit' at line 2
MariaDB [test_database]> create table my_table (id INT AUTO_INCREMENT PRIMARY KEY, name VARCHAR(100) NOT NULL, age INT NOT NULL, email VARCHAR(100));
Query OK, 0 rows affected (0.035 sec)

MariaDB [test_database]> INSERT INTO my_table (name,age,email) VALUES ('Alice', 30, 'alice@gmail.com'),('Railley', 21, 'nickoleibautista@gmail.com'), ('Vince',
21, 'railleynickoleivince@gmail.com');
Query OK, 3 rows affected (0.007 sec)
Records: 3 Duplicates: 0 Warnings: 0

MariaDB [test_database]> SELECT * FROM my_table
->
->
->
->
-> ;
+----+-----+-----+-----+
| id | name  | age  | email                               |
+----+-----+-----+-----+
| 1  | Alice | 30   | alice@gmail.com                    |
| 2  | Railley | 21  | nickoleibautista@gmail.com         |
| 3  | Vince | 21   | railleynickoleivince@gmail.com     |
+----+-----+-----+-----+
3 rows in set (0.001 sec)

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Last login: Tue Nov 20 13:11:13 on tty1
Have a lot of fun...
newhost:~# su
newhost:~# zypper install php php-mysql apache2 mariadb
Retrieving repository 'Update repository of openSUSE Backports' metadata .....[done]
Building repository 'Update repository of openSUSE Backports' cache .....[done]
Retrieving repository 'Update repository with updates from SUSE Linux Enterprise 15' metadata .....[done]
Building repository 'Update repository with updates from SUSE Linux Enterprise 15' cache .....[done]
Retrieving repository 'Main Update Repository' metadata .....[done]
Building repository 'Main Update Repository' cache .....[done]
Retrieving repository 'Update Repository (Non-Oss)' metadata .....[done]
Building repository 'Update Repository (Non-Oss)' cache .....[done]
Loading repository data...
Reading installed packages...
'mariadb' is already installed.
No update candidate for 'mariadb-10.11.9-150600.4.6.1.x86_64'. The highest available version is already installed.
'php-mysql' not found in package names. Trying capabilities.
'php7-mysql' providing 'php-mysql' is already installed.
'php' not found in package names. Trying capabilities.
'php7' providing 'php' is already installed.
Resolving package dependencies...

The following package is going to be upgraded:
  apache2

1 package to upgrade.
Overall download size: 550.5 KiB. Already cached: 0 B. No additional space will be used or freed after the operation.

Backend: classic_rpmtrans
Continue? [y/n/v/...? shows all options] (y): y
Retrieving: apache2-2.4.58-150600.5.29.1.x86_64 (Update repository with updates from SUSE Linux Enterprise 15) (1/1), 550.5 KiB
Retrieving: apache2-2.4.58-150600.5.29.1.x86_64.rpm .....[done (318.6 KiB/s)]

Checking for file conflicts: .....[done]
Please check /etc/permissions.local for settings of /usr/sbin/suexec .
Updating /etc/sysconfig/apache2 ...
Requesting apache restart (all instances)
(1/1) Installing: apache2-2.4.58-150600.5.29.1.x86_64 .....[done]
Running post-transaction scripts .....[ ]

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File Machine View Input Devices Help
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 [Y/n] y
Enabled successfully!
Reloading privilege tables..
... Success!

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

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? [Y/n] n
... skipping.

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? [Y/n] n
... skipping.

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 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 now? [Y/n] y_

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```

newhost:~ # sudo zypper install samba
Loading repository data...
Reading installed packages...
Resolving package dependencies...

The following package is going to be upgraded:
  samba-client-libs

The following recommended package was automatically selected:
  samba-libs-python3

The following package is suggested, but will not be installed:
  systemd-sysucompat

The following 21 NEW packages are going to be installed:
  libsamba-policy0-python3 liburing1 perl-Crypt-SmHash perl-Digest-MD4 perl-XML-LibXML perl-XML-NamespacesSupport perl-XML-SAX perl-XML-SAX-Base python3-ldb
python3-talloc python3-tdb python3-tevent samba samba-client samba-dcerpc samba-libs samba-libs-python3 samba-python3 yast2-python3-bindings
yast2-samba-client yast2-samba-server

1 package to upgrade, 21 new.
Overall download size: 12.4 MiB. Already cached: 0 B. After the operation, additional 35.4 MiB will be used.

Backend: classic_rpmtrans
Continue? [y/n/v/...? shows all options] (y): y
Retrieving: liburing1-0.6-2.1.x86_64 (Main Repository) .....(1/22), 24.3 KiB
Retrieving: liburing1-0.6-2.1.x86_64.rpm .....[done (14.8 KiB/s)]
Retrieving: perl-Digest-MD4-1.9-1.28.x86_64 (Main Repository) .....(2/22), 32.9 KiB
Retrieving: perl-Digest-MD4-1.9-1.28.x86_64.rpm .....[done (23.6 KiB/s)]
Retrieving: perl-XML-NamespacesSupport-1.12-1.24.noarch (Main Repository) .....(3/22), 26.2 KiB
Retrieving: perl-XML-SAX-Base-1.09-1.25.noarch (Main Repository) .....[done (20.3 KiB/s)]
Retrieving: perl-XML-SAX-Base-1.09-1.25.noarch.rpm .....(4/22), 33.2 KiB
Retrieving: perl-XML-SAX-Base-1.09-1.25.noarch.rpm .....[done (16.1 KiB/s)]
Retrieving: python3-ldb-2.8.0-150600.1.4.x86_64 (Main Repository) .....(5/22), 60.6 KiB
Retrieving: python3-ldb-2.8.0-150600.1.4.x86_64.rpm .....[done (14.8 KiB/s)]
Retrieving: python3-talloc-2.4.1-150600.1.3.x86_64 (Main Repository) .....(6/22), 23.7 KiB
Retrieving: python3-talloc-2.4.1-150600.1.3.x86_64.rpm .....[-]

```

When run by root:

smbpasswd [options] [username]

otherwise:

smbpasswd [options]

options:

- L local mode (must be first option)
- h print this usage message
- s use stdin for password prompt
- c smb.conf file Use the given path to the smb.conf file
- D LEVEL debug level
- r MACHINE remote machine
- U USER remote username (e.g. SAM/user)

extra options when run by root or in local mode:

- a add user
- d disable user
- e enable user
- i interdomain trust account
- m machine trust account
- n set no password
- W use stdin ldap admin password
- w PASSWORD ldap admin password
- x delete user
- R ORDER name resolve order

newhost:~ # sudo smbpasswd -a user 2

When run by root:

smbpasswd [options] [username]

otherwise:

smbpasswd [options]

options:

- L local mode (must be first option)
- h print this usage message
- s use stdin for password prompt
- c smb.conf file Use the given path to the smb.conf file
- D LEVEL debug level
- r MACHINE remote machine
- U USER remote username (e.g. SAM/user)

extra options when run by root or in local mode:

- a add user
- d disable user
- e enable user
- i interdomain trust account
- m machine trust account
- n set no password
- W use stdin ldap admin password
- w PASSWORD ldap admin password
- x delete user
- R ORDER name resolve order

newhost:~ #

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-R ORDER                                name resolve order
newhost:~ # sudo mkdir -p /srv/samba/shared1
newhost:~ # sudo mkdir -p /srv/samba/shared2
newhost:~ # sudo mkdir -p /srv/samba/shared3
newhost:~ # sudo chown -R :group1 /srv/samba/shared1
sudo: chown: command not found
newhost:~ # sudo chown -R :group1 /srv/samba/shared1
newhost:~ # sudo chmod 770 /srv/samba/shared1
newhost:~ # sudo chown -R :group2 /srv/samba/shared2
newhost:~ # sudo chmod 770 /srv/samba/shared2
newhost:~ # sudo chown -R :group1 /srv/samba/shared3
newhost:~ # sudo chown -R :group2 /srv/samba/shared3
newhost:~ # sudo chmod 770 /srv/samba/shared3
newhost:~ #

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[profiles]
comment = Network Profiles Service
path = %H
read only = No
store dos attributes = Yes
create mask = 0600
directory mask = 0700

[users]
comment = All users
path = /home
read only = No
inherit acls = Yes
veto files = /aquota.user/groups/shares/

[groups]
comment = All groups
path = /home/groups
read only = No
inherit acls = Yes

[printers]
comment = All Printers
path = /var/tmp
printable = Yes
create mask = 0600
browseable = No

[print$]
comment = Printer Drivers
path = /var/lib/samba/drivers
write list = @ntadmin root
force group = ntadmin
create mask = 0664
directory mask = 0775

[shared1]
path = /srv/samba/shared1
valid users = @group1
read only = no

[shared2]
path = /srv/samba/shared2
valid users = @group2
read only = no

[shared3]
path = /srv/samba/shared3
valid users = @group1, @group2
read only = no

```

```
read only = No
veto files = /aquota.user/groups/shares/
```

[groups]

```
comment = All groups
inherit acls = Yes
path = /home/groups
read only = No
```

[printers]

```
browseable = No
comment = All Printers
create mask = 0600
path = /var/tmp
printable = Yes
```

[print\$]

```
comment = Printer Drivers
create mask = 0664
directory mask = 0775
force group = ntadmin
path = /var/lib/samba/drivers
write list = @ntadmin root
```

[shared1]

```
path = /srv/samba/shared1
read only = No
valid users = @group1
```

[shared2]

```
path = /srv/samba/shared2
read only = No
valid users = @group2
```

[shared3]

```
path = /srv/samba/shared3
read only = No
valid users = @group1 @group2
```