

Cài đặt MySQL

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Bước 1: Tải gói cài đặt MySQL

curl -sSL0

<https://dev.mysql.com/get/mysql80-community-release-el7-5.noarch.rpm>

```
[root@doankimhan ~]# curl -sSL0 https://dev.mysql.com/get/mysql80-community-release-el7-5.noarch.rpm
[root@doankimhan ~]# md5sum mysql80-community-release-el7-5.noarch.rpm
e2bd920ba15cd3d651c1547661c60c7c mysql80-community-release-el7-5.noarch.rpm
[root@doankimhan ~]#
```

Bước 2: Thêm kho MySQL

rpm -ivh mysql80-community-release-el7-5.noarch.rpm

```
[root@doankimhan ~]# rpm -ivh mysql80-community-release-el7-5.noarch.rpm
warning: mysql80-community-release-el7-5.noarch.rpm: Header V4 RSA/SHA256 Signature, key ID 3a79bd29: NOKEY
Verifying... ##### [100%]
Preparing... ##### [100%]
Updating / installing...
 1:mysql80-community-release-el7-5 ##### [100%]
[root@doankimhan ~]#
```

Bước 3: Cài đặt MySQL

yum install mysql-server

```
[root@doankimhan ~]# yum install mysql-server
MySQL 8.4 LTS Community Server          1.1 MB/s | 643 kB      00:00
MySQL Connectors Community              216 kB/s | 68 kB      00:00
MySQL Tools 8.4 LTS Community           662 kB/s | 296 kB      00:00
Dependencies resolved.
=====
Package                                Arch  Version      Repository      Size
=====
Installing:
mysql-community-server                 x86_64 8.4.3-1.el9  mysql-8.4-lts-community  50 M
Installing dependencies:
mysql-community-client                 x86_64 8.4.3-1.el9  mysql-8.4-lts-community  3.1 M
mysql-community-client-plugins         x86_64 8.4.3-1.el9  mysql-8.4-lts-community  1.5 M
mysql-community-common                 x86_64 8.4.3-1.el9  mysql-8.4-lts-community  575 k
mysql-community-icu-data-files         x86_64 8.4.3-1.el9  mysql-8.4-lts-community  2.3 M
mysql-community-libs                   x86_64 8.4.3-1.el9  mysql-8.4-lts-community  1.5 M
```

Bước 4: Khởi chạy dịch vụ MySQL

`systemctl start mysqld`

```
[root@doankimhan ~]# systemctl start mysqld
[root@doankimhan ~]# systemctl status mysqld
● mysqld.service - MySQL Server
   Loaded: loaded (/usr/lib/systemd/system/mysqld.service; enabled; vendor p>
   Active: active (running) since Sat 2024-11-16 13:05:23 +07; 11s ago
     Docs: man:mysqld(8)
           http://dev.mysql.com/doc/refman/en/using-systemd.html
   Process: 5087 ExecStartPre=/usr/bin/mysqld_pre_systemd (code=exited, statu>
  Main PID: 5156 (mysqld)
    Status: "Server is operational"
     Tasks: 35 (limit: 10944)
    Memory: 465.2M
       CPU: 3.134s
    CGroup: /system.slice/mysqld.service
            └─5156 /usr/sbin/mysqld

Nov 16 13:05:16 doankimhan systemd[1]: Starting MySQL Server...
Nov 16 13:05:23 doankimhan systemd[1]: Started MySQL Server.
lines 1-16/16 (END)
```

Bước 5: Lấy mật khẩu tạm thời của người dùng root

`sudo grep 'temporary password' /var/log/mysqld.log`

```
[root@doankimhan ~]# sudo grep 'temporary password' /var/log/mysqld.log
2024-11-16T06:05:19.977464Z 6 [Note] [MY-010454] [Server] A temporary password
is generated for root@localhost: -l1Rh>w<ck48
[root@doankimhan ~]#
```

Bước 6: Thay đổi mật khẩu cho người dùng root và thiết lập các bảo mật

`sudo mysql_secure_installation`

```
Change the password for root ? ((Press y|Y for Yes, any other key for No) : y

New password:

Re-enter new password:

Estimated strength of the password: 100
Do you wish to continue with the password provided?(Press y|Y for Yes, any othe
r key for No) : y
By default, a MySQL installation has an anonymous user,
allowing anyone to log into MySQL 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? (Press y|Y for Yes, any other key for No) : y
Success.
```

```

Disallow root login remotely? (Press y|Y for Yes, any other key for No) : n

... skipping.
By default, MySQL 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? (Press y|Y for Yes, any other key for No
) : n

... skipping.
Reloading the privilege tables will ensure that all changes
made so far will take effect immediately.

Reload privilege tables now? (Press y|Y for Yes, any other key for No) : y
Success.

All done!

```

Bước 7: Kiểm tra phiên bản MySQL

`mysqladmin -u root -p version`

```

[root@doankimhan ~]# mysqladmin -u root -p version
Enter password:
mysqladmin Ver 8.4.3 for Linux on x86_64 (MySQL Community Server - GPL)
Copyright (c) 2000, 2024, Oracle and/or its affiliates.

Oracle is a registered trademark of Oracle Corporation and/or its
affiliates. Other names may be trademarks of their respective
owners.

Server version          8.4.3
Protocol version        10
Connection              Localhost via UNIX socket
UNIX socket             /var/lib/mysql/mysql.sock
Uptime:                 13 min 56 sec

Threads: 2  Questions: 12  Slow queries: 0  Opens: 132  Flush tables: 3  Open t
ables: 48  Queries per second avg: 0.014
[root@doankimhan ~]#

```

Bước 8: Cài đặt Navicat và tiến hành nối kết từ xa đến MySQL

New Connection (MySQL) x

General

Advanced


Databases

SSL


SSH

HTTP

Remarks



Navicat



Database

Connection Name:

mydatabase

Host:

localhost

Port:

3306

User Name:

root

Password:

.....

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Bước 9: Kết nối thông qua SSH

The screenshot shows the 'New Connection (MySQL)' dialog box with the 'SSH' tab selected. The 'Use SSH tunnel' checkbox is checked. The Host field contains '192.168.1.62', the Port field contains '22', the User Name field contains 'root', and the Authentication Method is set to 'Password'. The 'Save password' checkbox is also checked. Above the fields, there is a diagram showing the connection flow: Navicat connects to an SSH Server, which then connects to the Database.

Bước 10: Tạo người dùng user_webtintuc và ban cấp quyền cho user_webtintuc có toàn quyền trên cơ sở dữ liệu

```
mysql> create user 'user_webtintuc'@'%' identified by 'Han_100903';
Query OK, 0 rows affected (0.07 sec)

mysql> grant all privileges on *.* to 'user_webtintuc'@'%' with grant option;
Query OK, 0 rows affected (0.01 sec)

mysql> flush privileges;
Query OK, 0 rows affected (0.00 sec)
```

Bước 11: Tạo database db_webtintuc

```
mysql> create database db_webtintuc;
Query OK, 1 row affected (0.06 sec)

mysql> show databases;
+-----+
| Database |
+-----+
| db_webtintuc |
| information_schema |
| mysql |
| performance_schema |
| sys |
+-----+
5 rows in set (0.02 sec)

mysql>
```

Bước 12: Nối kết đến database bằng tài khoản vừa tạo

Connection Profile (+)

Main Profile (Active)

General | Advanced | Databases | SSL | SSH | HTTP | Remarks

Navicat — Database

Connection Name: myconnection

Host: 192.168.1.62

Port: 3306

User Name: user_webtintuc

Password:

☒ Save password

Bước 13: Giao diện sau khi nối kết thành công

My Connections

- localhost_3306
- myconnection
 - db_webtintuc
 - Tables
 - Views
 - Functions
 - Events
 - Queries
 - Backups
 - information_schema
 - mysql
 - performance_schema
 - sys

Objects

Open Table | Design Table | + New Table | - Delete Table | » | 🔍

Name	Auto Increment Value	Modified Date
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