

## Installation of MySQL Server

Version : 8.4.7 LTS

mysql-8.4.7-winx64.msi

<https://dev.mysql.com/downloads>

Select Version:

8.0.44

Select Operating System:

Microsoft Windows

|   |        |        |                          |   |
|---|--------|--------|--------------------------|---|
| <b>Windows (x86, 32-bit), MSI Installer</b><br>(mysql-installer-web-community-8.0.44.0.msi) | 8.0.44 | 2.1 M  | <a href="#">Download</a> | MD5:<br>f48ab9b8c2db55ee39ddf534d4581676  <br><a href="#">Signature</a> |
| <b>Windows (x86, 32-bit), MSI Installer</b><br>(mysql-installer-community-8.0.44.0.msi)     | 8.0.44 | 558.3M | <a href="#">Download</a> | MD5:<br>338dce4ac543dfc280664c857d265e3e  <br><a href="#">Signature</a> |

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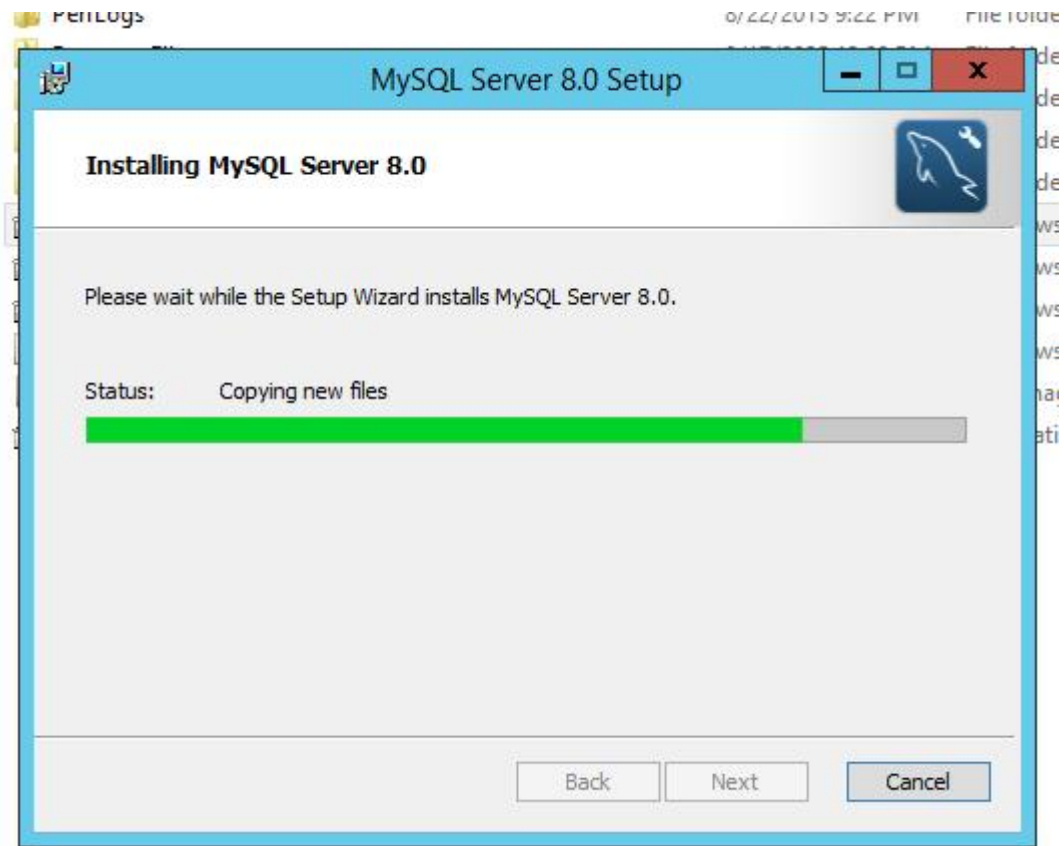
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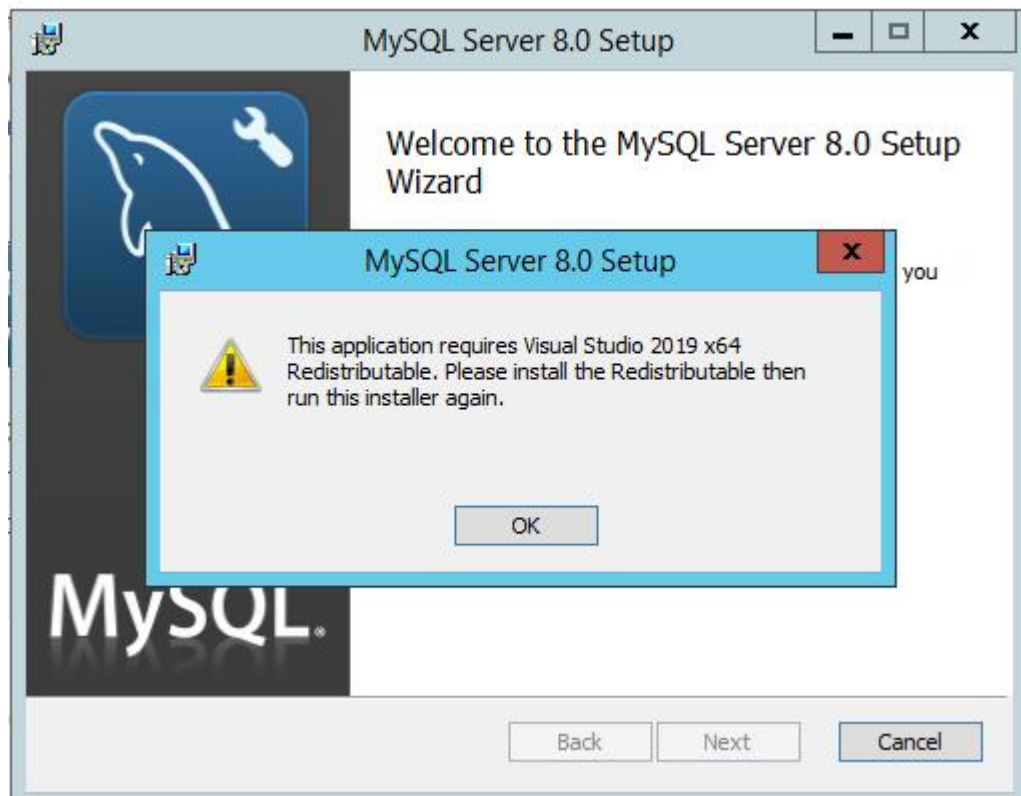
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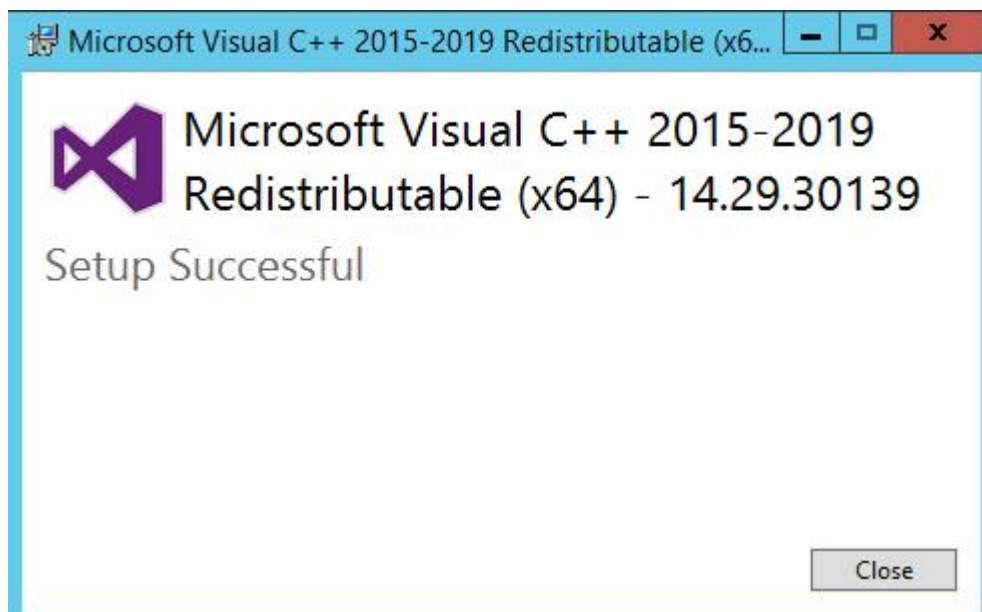
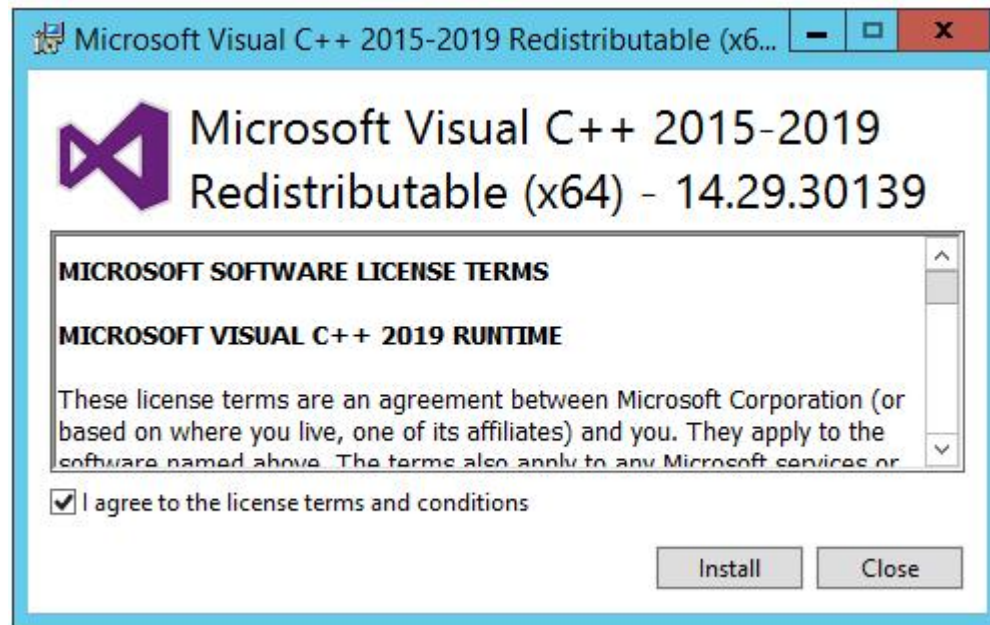
After download I run in the server 20.20.20.11



During installation require visual studio package

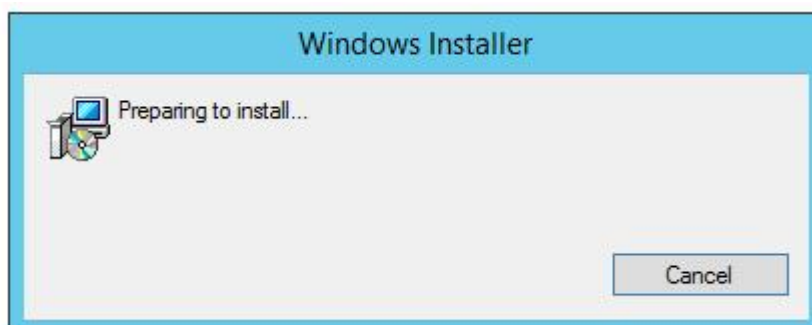
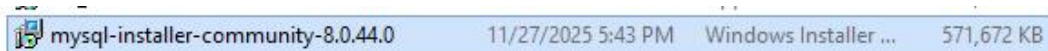
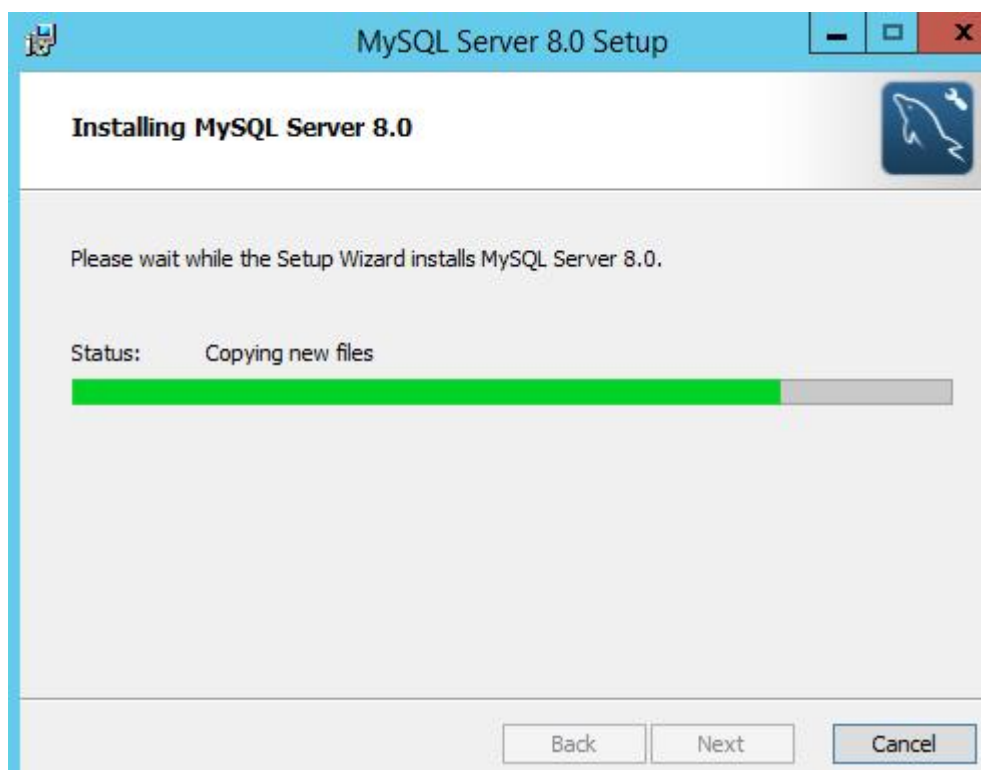
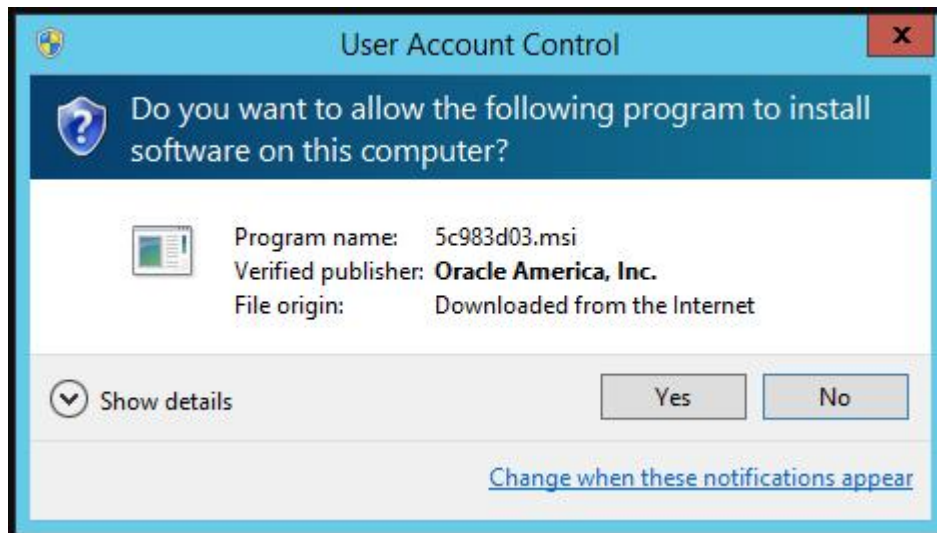


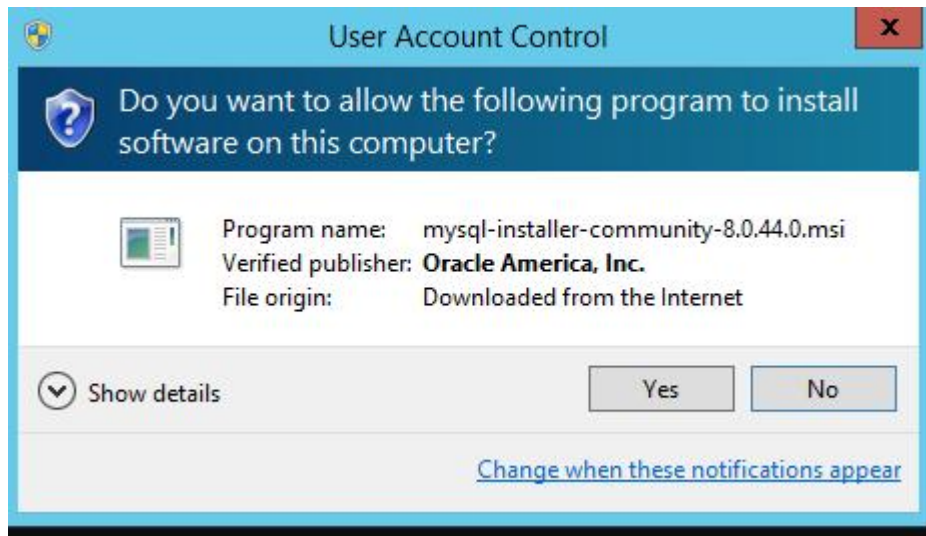
Download and install



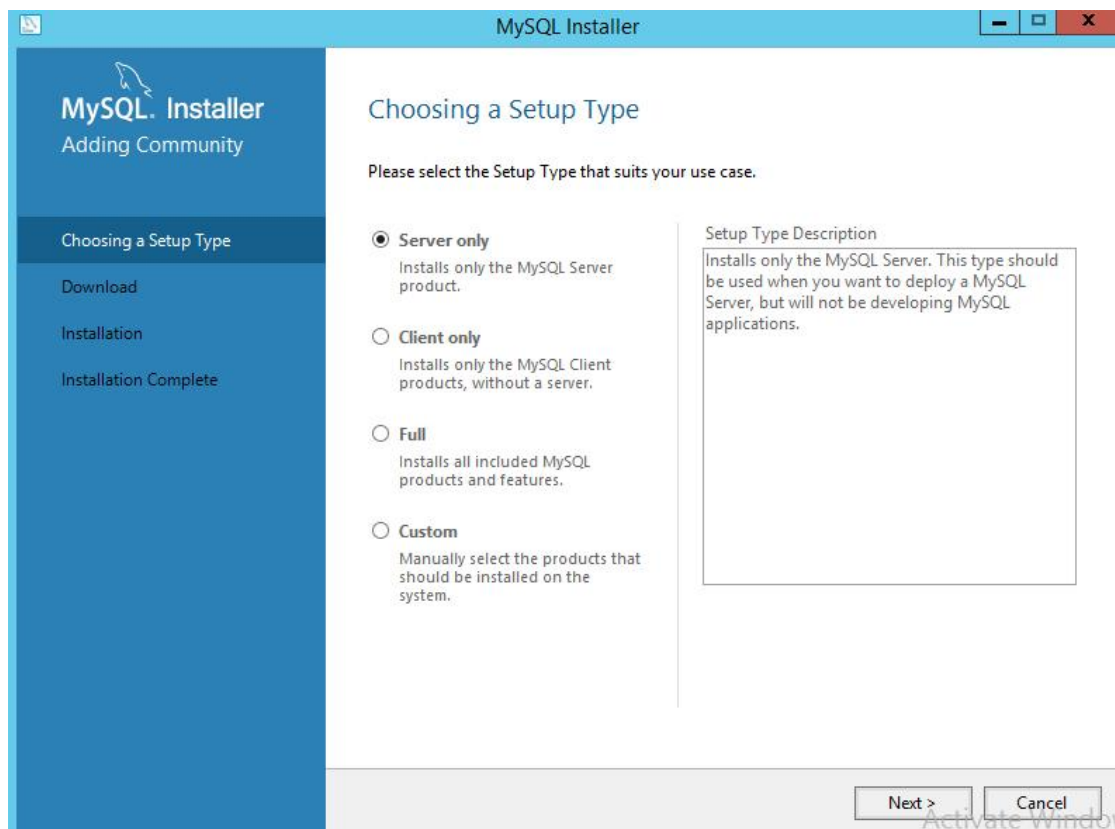
Now again I run the mysql setup run with administrator

For the internet download package

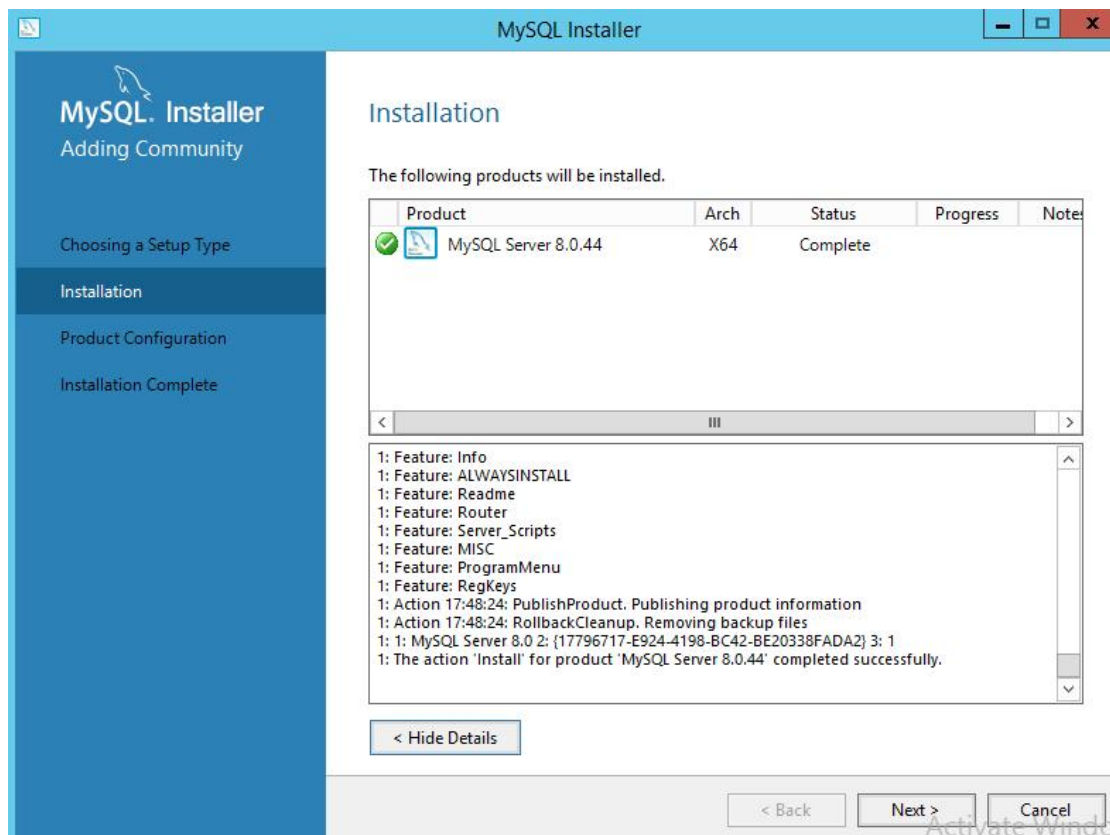
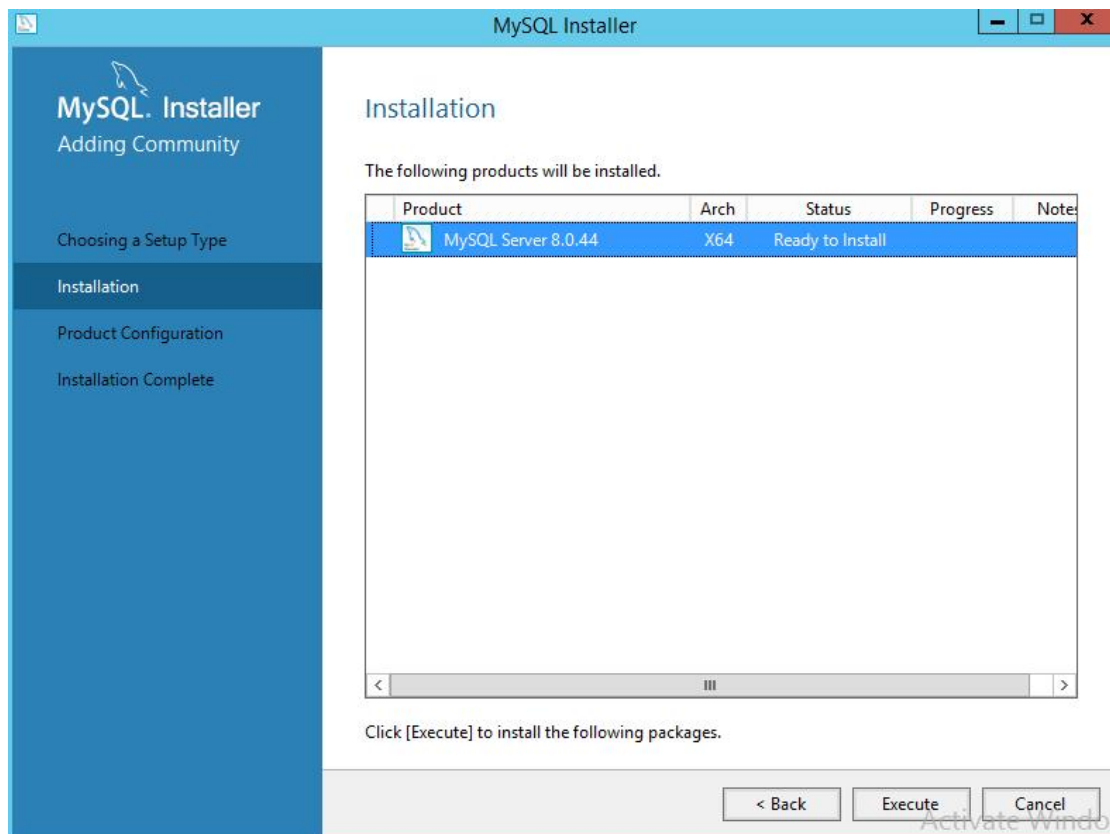




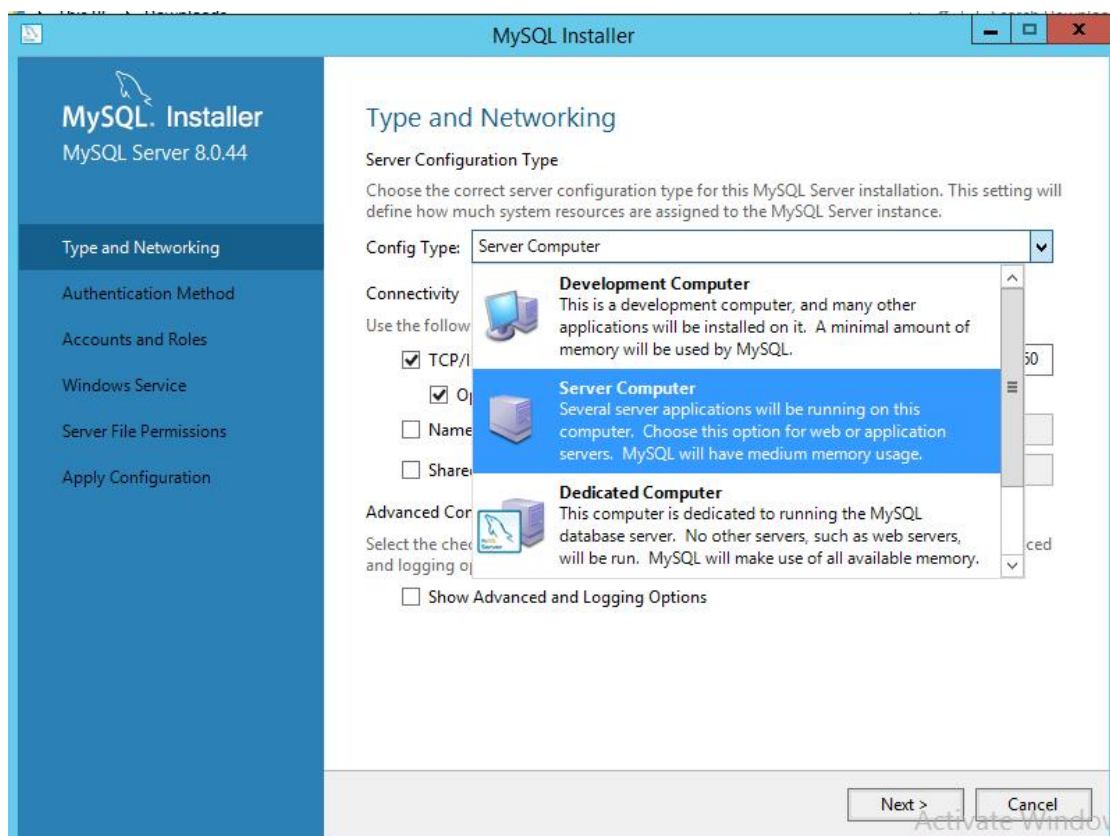
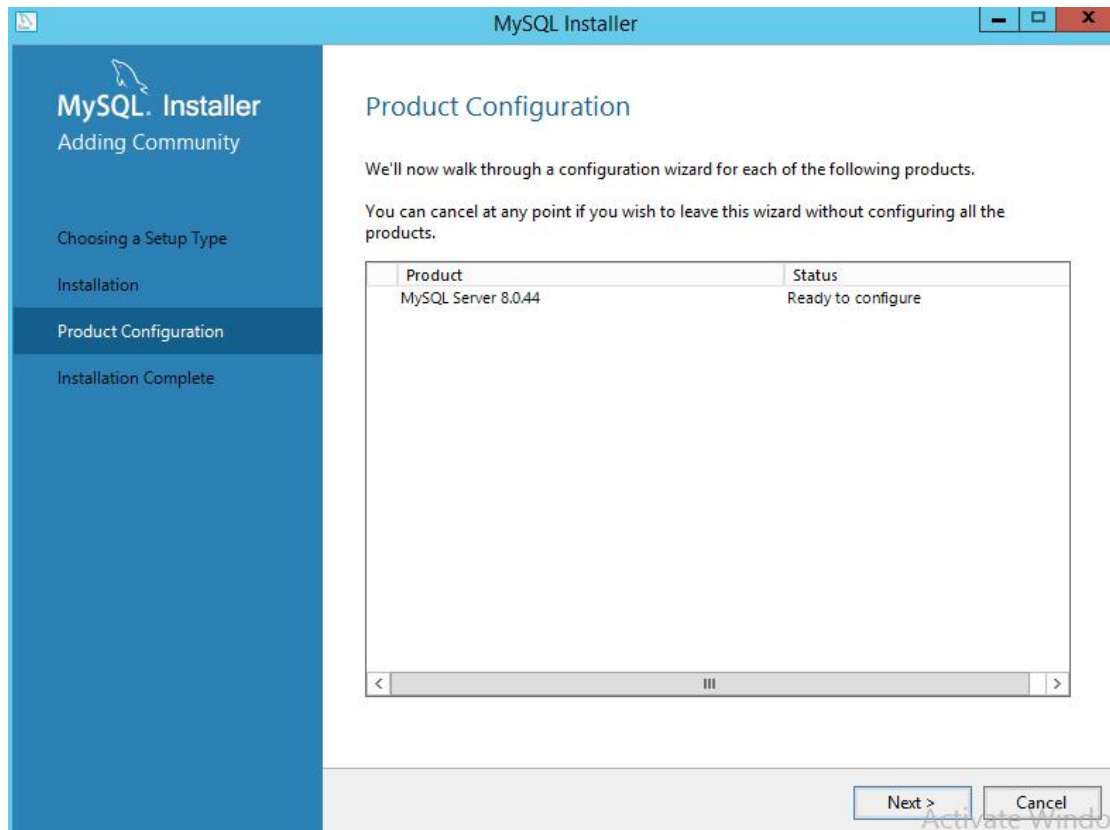
Select server only and click on next

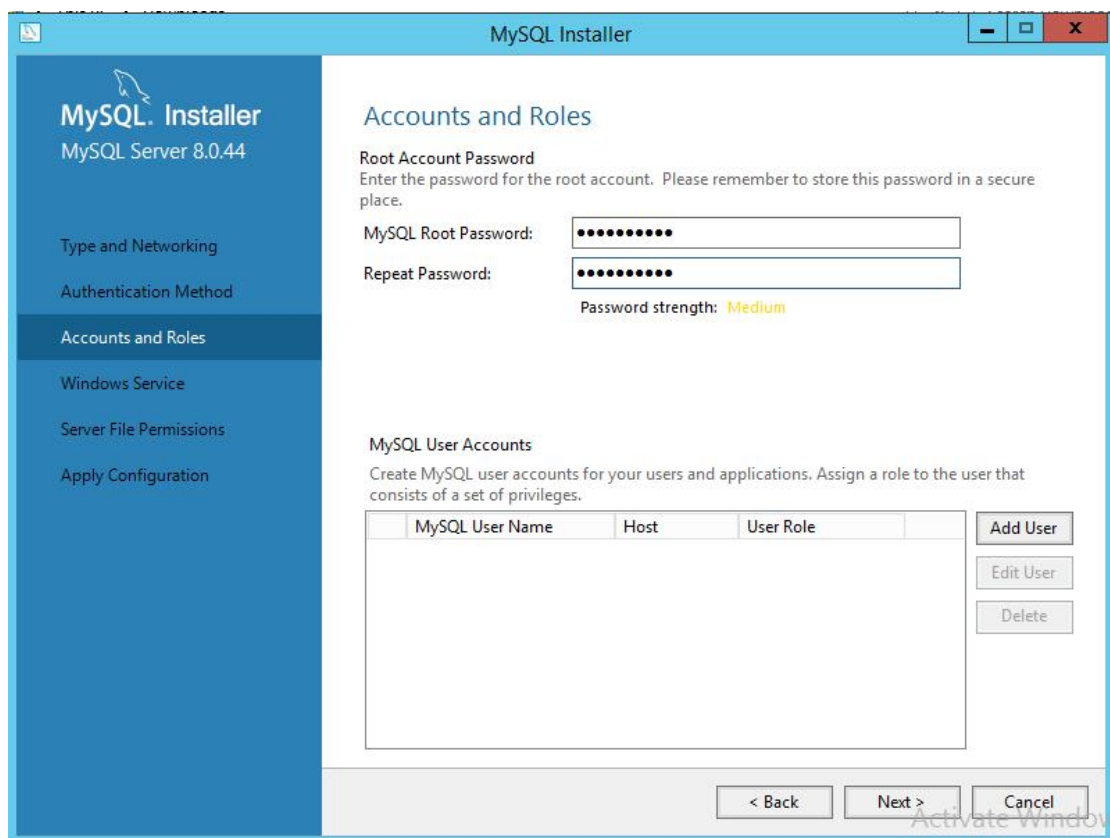
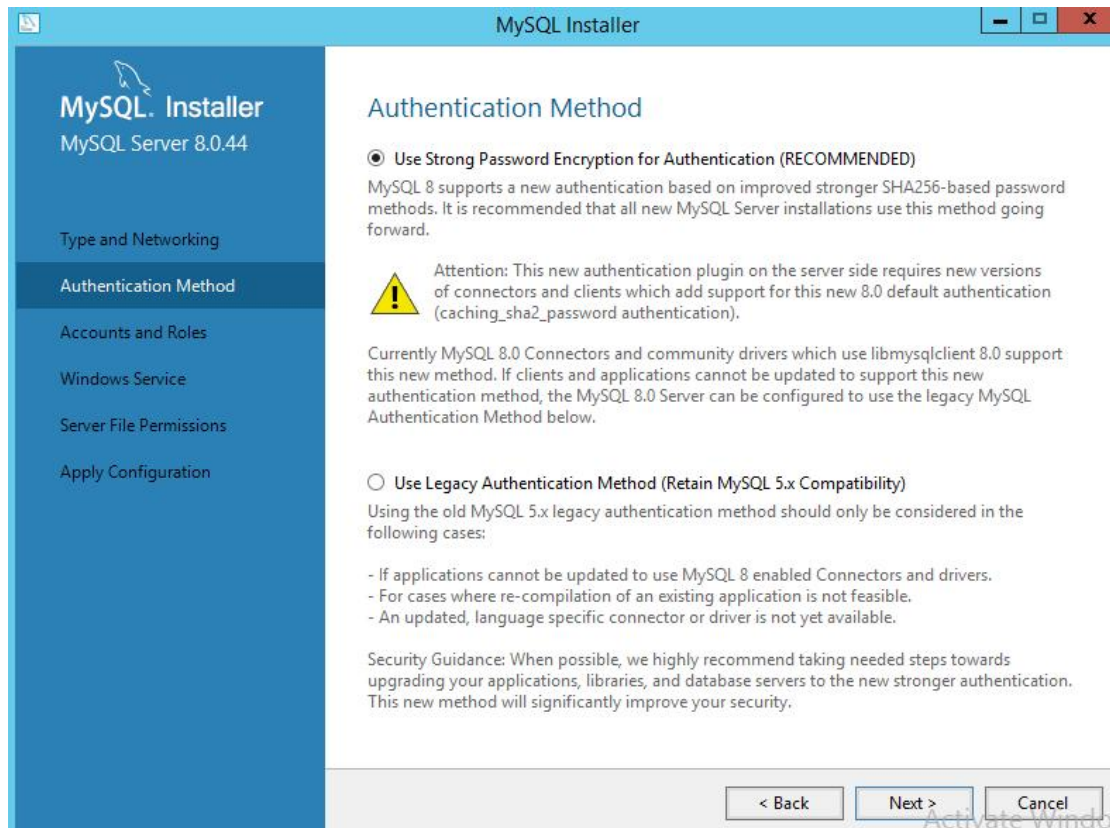


Click on install



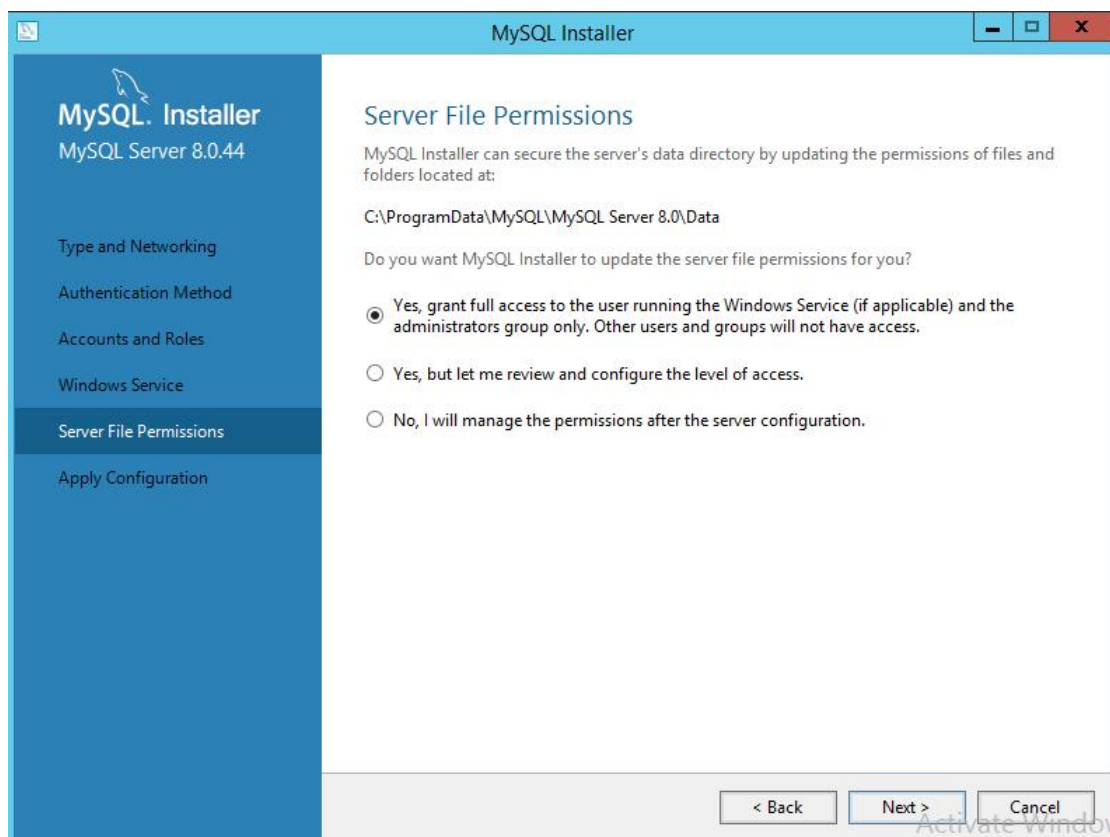
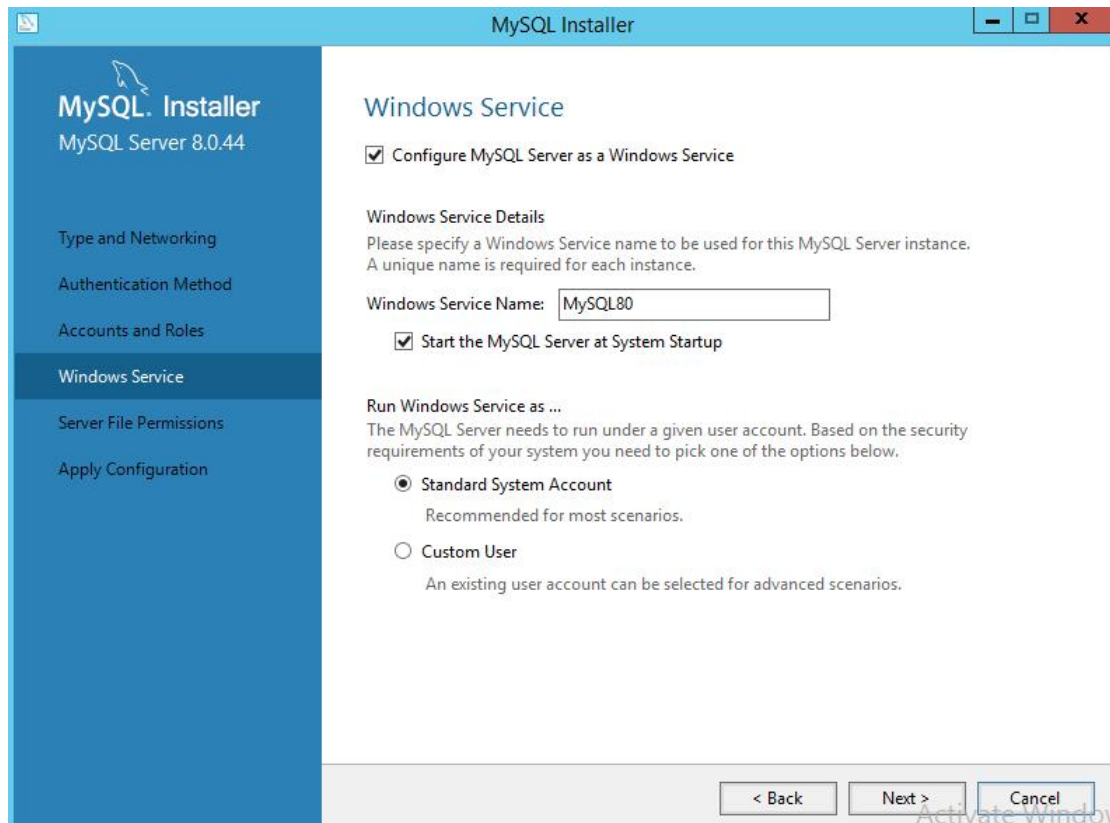


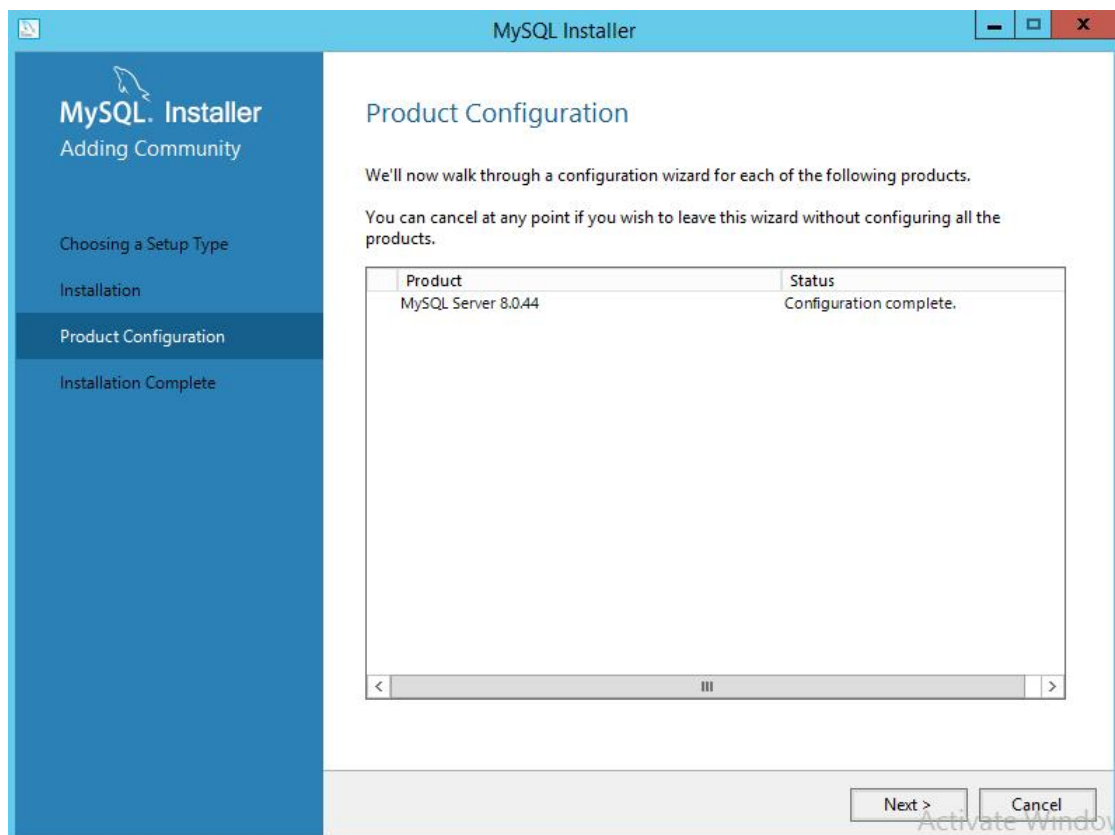
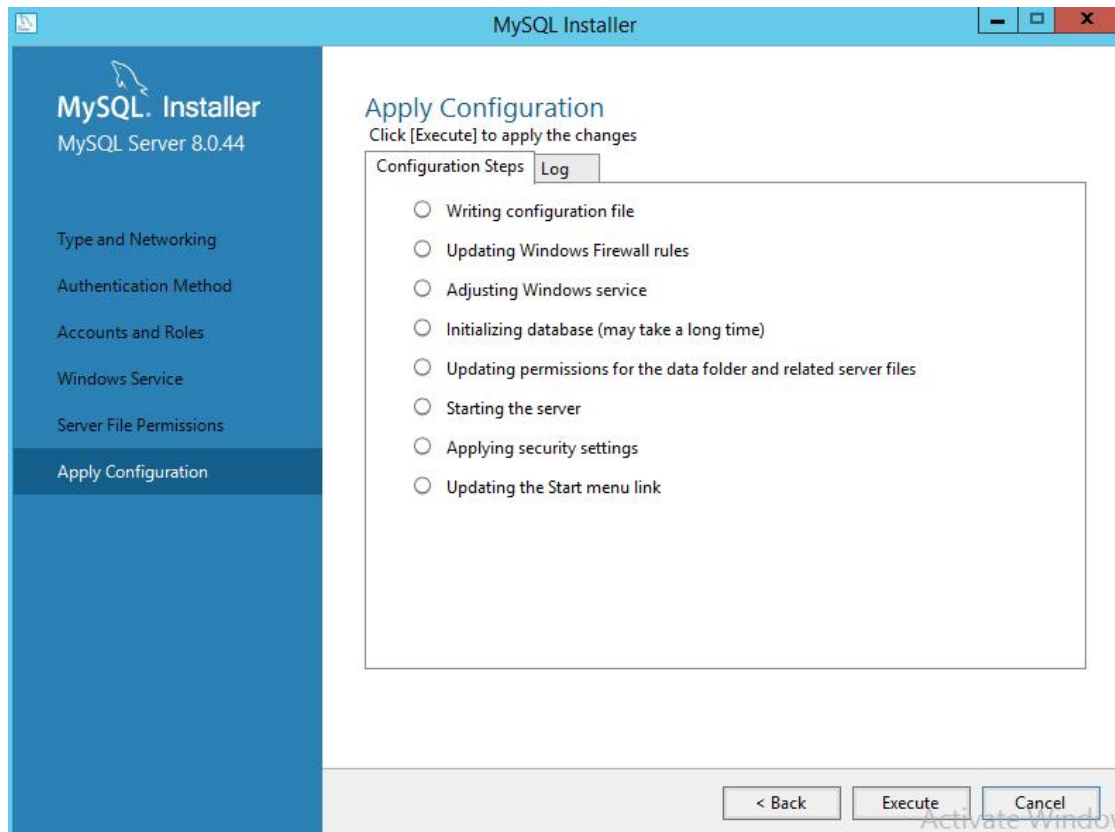


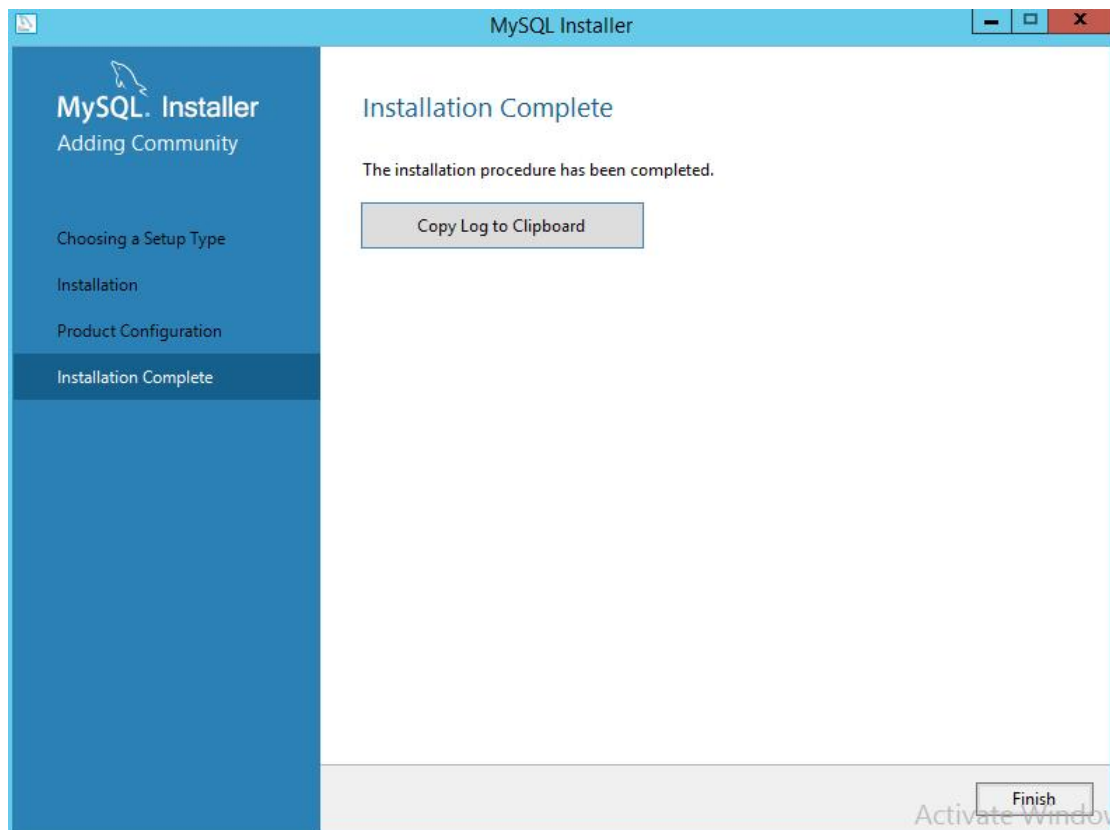


User root :  
Password : Db@d3v2025









Data directory :

```
C:\Windows\System32\cmd.exe - mysql -u root -p
affiliates. Other names may be trademarks of their respective
owners.
Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.
mysql> show databases;
+-----+
| Database |
+-----+
| information_schema |
| mysql |
| performance_schema |
| sys |
+-----+
4 rows in set (0.02 sec)

mysql> select @@datadir;
+-----+
| @@datadir |
+-----+
| C:\ProgramData\MySQL\MySQL Server 8.0\Data\ |
+-----+
1 row in set (0.00 sec)

mysql>
```

```
Administrator: Command Prompt
C:\Program Files\MySQL\MySQL Server 8.0\bin>net stop MySQL80
The MySQL80 service is stopping.
The MySQL80 service was stopped successfully.

C:\Program Files\MySQL\MySQL Server 8.0\bin>
```

Change data directory

Open cmd run as administrator and type below command to stop the mysql service

Create a folder in your desired location

D:\MYSQL

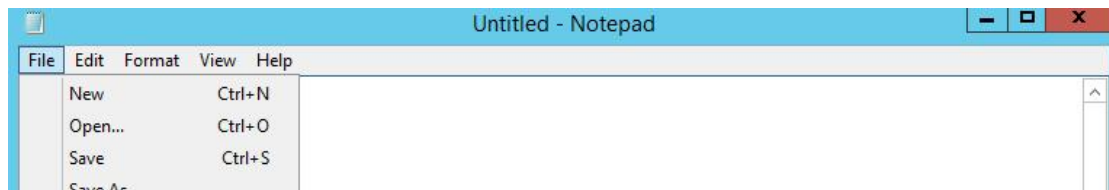
Copy the source folder data in to your D:\MYSQL  
C:\ProgramData\MySQL\MySQL Server 8.0\Data

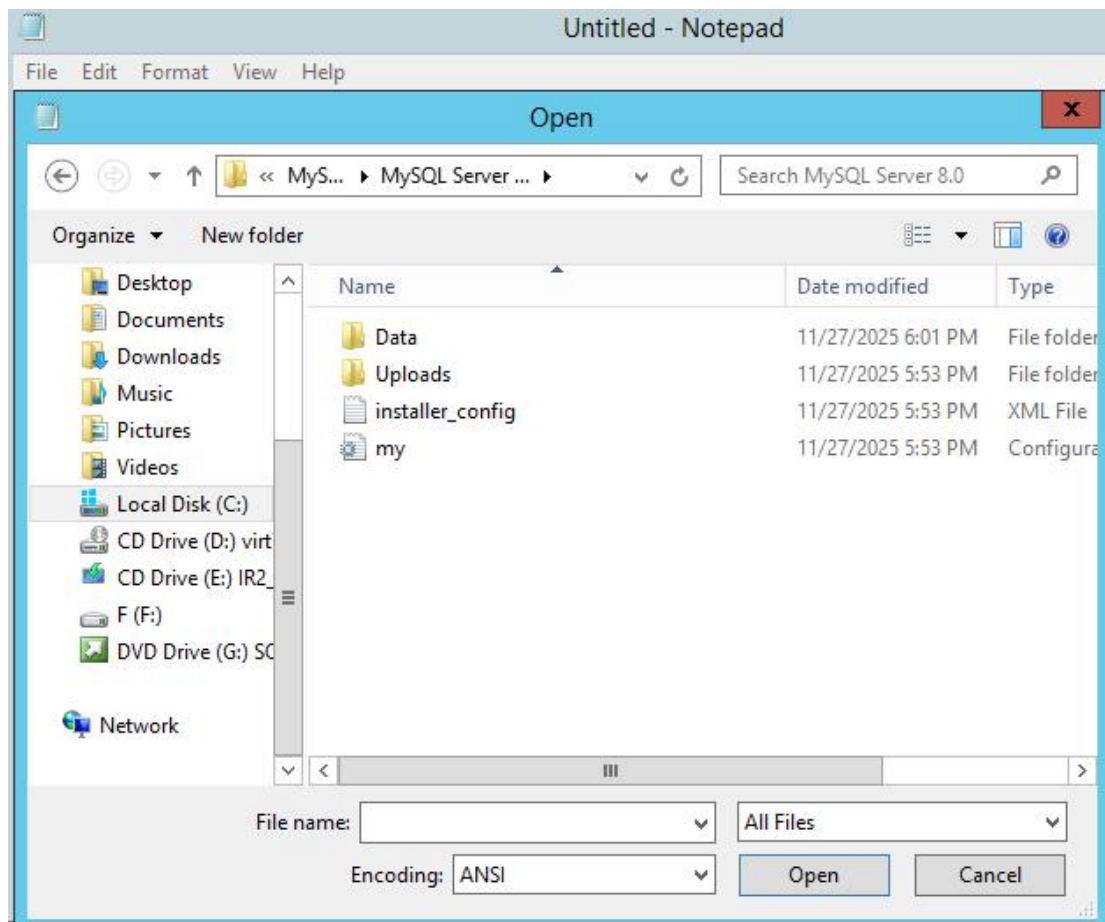
Edit in my.cnf file  
C:\ProgramData\MySQL\MySQL Server 8.0\my.ini

Open in notepad  
datadir=C:/ProgramData/MySQL/MySQL Server 8.0/Data

Note : open this folder and administrator permission

Click on start  
Type notepad  
Right click run as administrator

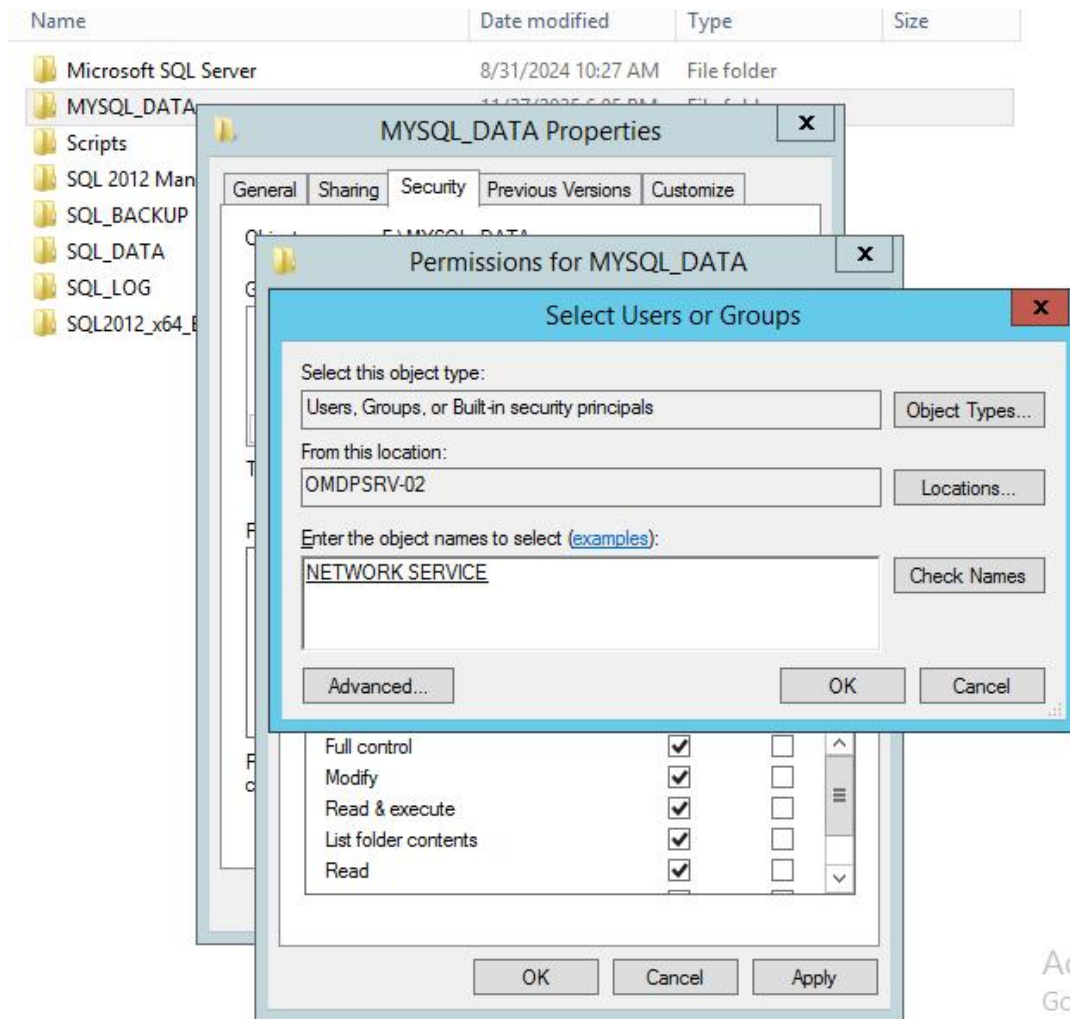




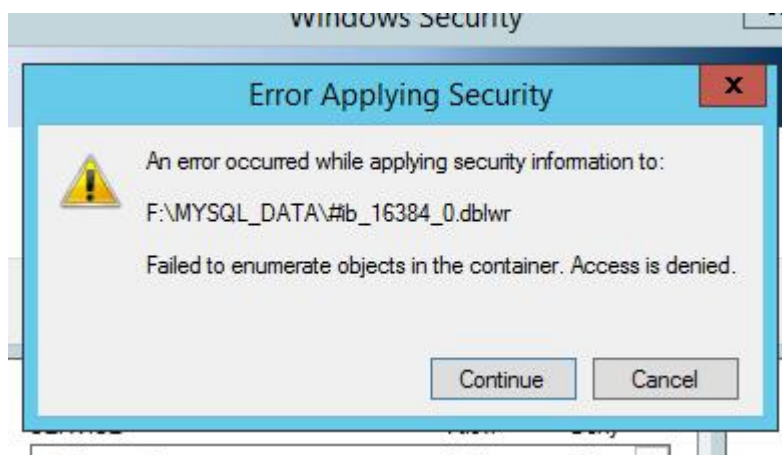
```
# basedir="C:/Program Files/MySQL/MySQL Server 8.0/"  
  
# Path to the database root  
#datadir=C:/ProgramData/MySQL/MySQL Server 8.0\Data  
|datadir=F:\MYSQL_DATA  
# The default character set that will be used when a new schema or table is  
# created and no character set is defined  
# character-set-server=
```

Add to D driver folder permission of mysql server





Activ  
Go to!



Note : in this case u just give administartor permission

Below are the extra activities I do to test purpose only

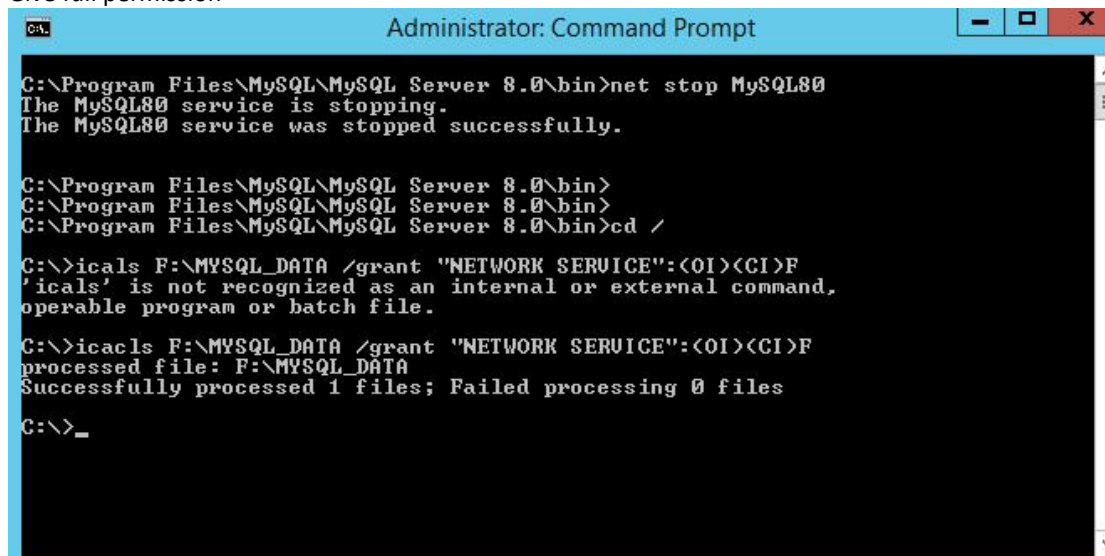
## ! WHY "failed to enumerate objects" APPEARS?

Because:

- You're trying to add a system account manually by typing the name.
- Windows does not auto-resolve these accounts for non-system drives.
- You must select them from the advanced list.

That's why you need to click Advanced → Find Now.

Give full permission



```
Administrator: Command Prompt

C:\Program Files\MySQL\MySQL Server 8.0\bin>net stop MySQL80
The MySQL80 service is stopping.
The MySQL80 service was stopped successfully.

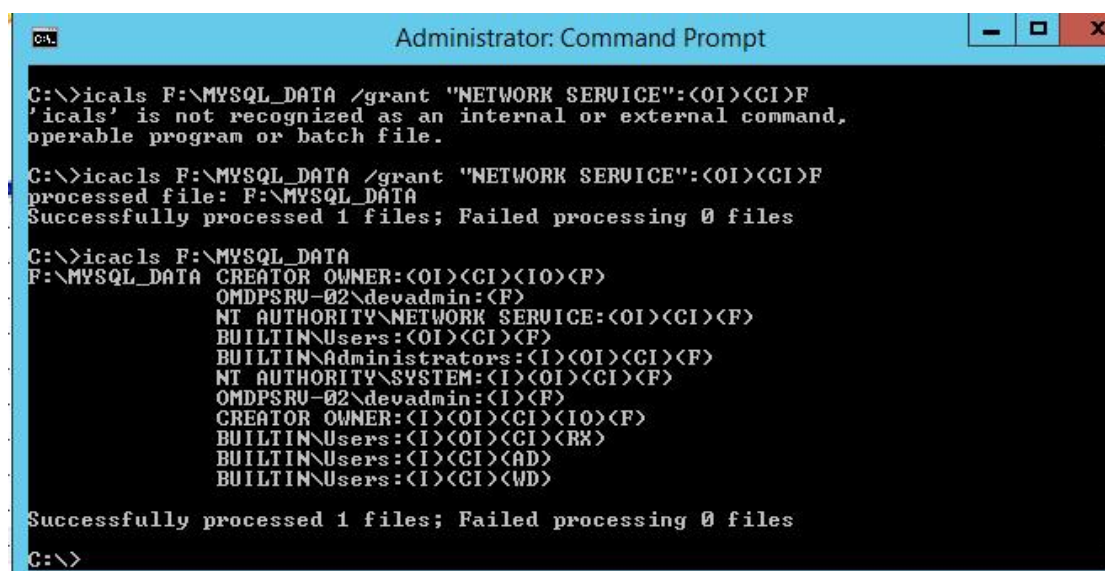
C:\Program Files\MySQL\MySQL Server 8.0\bin>
C:\Program Files\MySQL\MySQL Server 8.0\bin>
C:\Program Files\MySQL\MySQL Server 8.0\bin>cd /

C:\>icacls F:\MYSQL_DATA /grant "NETWORK SERVICE":<OI><CI>F
'icals' is not recognized as an internal or external command,
operable program or batch file.

C:\>icacls F:\MYSQL_DATA /grant "NETWORK SERVICE":<OI><CI>F
processed file: F:\MYSQL_DATA
Successfully processed 1 files; Failed processing 0 files

C:\>_
```

Check permission



```
Administrator: Command Prompt

C:\>icacls F:\MYSQL_DATA /grant "NETWORK SERVICE":<OI><CI>F
'icals' is not recognized as an internal or external command,
operable program or batch file.

C:\>icacls F:\MYSQL_DATA /grant "NETWORK SERVICE":<OI><CI>F
processed file: F:\MYSQL_DATA
Successfully processed 1 files; Failed processing 0 files

C:\>icacls F:\MYSQL_DATA
F:\MYSQL_DATA CREATOR OWNER:<OI><CI><IO><F>
OMDPSRU-02\devadmin:<F>
NT AUTHORITY\NETWORK SERVICE:<OI><CI><F>
BUILTIN\Users:<OI><CI><F>
BUILTIN\Administrators:<I><OI><CI><F>
NT AUTHORITY\SYSTEM:<I><OI><CI><F>
OMDPSRU-02\devadmin:<I><F>
CREATOR OWNER:<I><OI><CI><IO><F>
BUILTIN\Users:<I><OI><CI><RX>
BUILTIN\Users:<I><CI><AD>
BUILTIN\Users:<I><CI><WD>

Successfully processed 1 files; Failed processing 0 files

C:\>
```

Not started

Then

```
Administrator: Command Prompt

C:\Program Files\MySQL\MySQL Server 8.0\bin>CD /

C:\>icacls D:\MYSQL_DATA /grant "NT SERVICE\MySQL80":<OI><CI>F /T
Successfully processed 0 files; Failed processing 0 files

C:\>icacls D:\MYSQL_DATA /grant "NETWORK SERVICE":<OI><CI>F /T
Successfully processed 0 files; Failed processing 0 files

C:\>_
```

Use

```
# Path to the database root
datadir=F:\\MYSQL_DATA
```

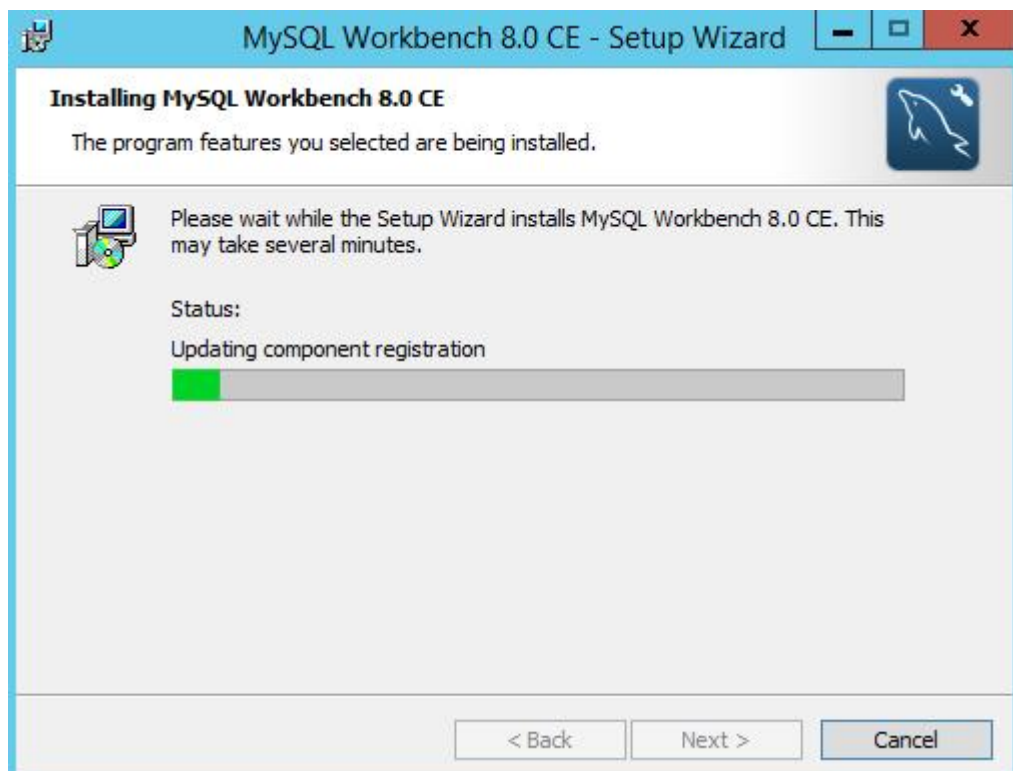
Give administrator permission

```
C:\>net stop MySQL80
The MySQL80 service is stopping.
The MySQL80 service was stopped successfully.

C:\>net start MySQL80
The MySQL80 service is starting.
The MySQL80 service was started successfully.

C:\>
```

Install MySQL Workbench



Note : After this installation successfully I got one pop The MySQL Workbench 8.x does not support Windows Server 2012 R2

It supports only  
Windows Server 2016  
Windows Server 2019  
Windows Server 2022

Windows Server 2012 R2 is out of support  
But still work . but wasn't designed for your platform

## **Restore linux database mysql backup in to windows GUI server**

STEP 1: Export Database on Linux (Dump File)

For single db

```
mysqldump -u root -p mydatabase > mydatabase.sql
```

For all db

```
mysqldump -u root -p --all-databases > all_databases.sql
```

STEP 2: Copy Dump File to Windows

```
scp mydatabase.sql windowsUser@windows-ip:/Users/windowsUser/Desktop/
```

Or using winscp

STEP 3: Place SQL File on Windows Server

```
D:\mysql_backups\mydatabase.sql
```

STEP 4: Import Into MySQL on Windows

Open Command Prompt as Administrator

Go to MySQL bin directory:

```
cd 'C:\Program Files\MySQL\MySQL Server 8.0\bin'
```

STEP 4A — Restore into an Existing Database

If database already exists:

```
mysql -u root -p mydatabase < D:\mysql_backups\mydatabase.sql
```

STEP 4B — Restore into a New Database

Create the database:

```
mysql -u root -p -e "CREATE DATABASE mydatabase;"
```

Import data:

```
mysql -u root -p mydatabase < D:\mysql_backups\mydatabase.sql
```

STEP 4C — Restore ALL Databases From Dump

Use this only if the dump contains all databases:

```
mysql -u root -p < D:\mysql_backups\all_databases.sql
```

STEP 5: Verify the Restore

Login into mysql

```
mysql -u root -p
```

-----DBA Task-----

Check Database Size :

```
SELECT
    schema_name AS `Database`,
    ROUND(SUM(data_length + index_length) / 1024 / 1024, 2) AS `Size_MB`
FROM
    information_schema.schemata s
LEFT JOIN
    information_schema.tables t
    ON s.schema_name = t.table_schema
GROUP BY
    schema_name
ORDER BY
    Size_MB DESC;
```

Restore database in alldatabase.sql file

1. Create that name database like jjj

Create database jjj

In windows find the backup in all database.sql file

```
Select-String -Path "C:\path\to\all_databases_2025-11-25_22-00-01.sql" -Pattern "CREATE DATABASE `jjj`"
```

In linux

```
grep "CREATE DATABASE `jjj`" all_databases_2025-11-25_22-00-01.sql
```

```
grep -i "USE `jjj`" all_databases_2025-11-25_22-00-01.sql
```

Correct way :

Most dumps include USE dbname; instead of CREATE DATABASE. You can extract the database content using USE as the starting point:

```
sed -n '/^USE `jjj`/,/^USE `p`/' all_databases_2025-11-25_22-00-01.sql | sed '$d' > jjj_20251127.sql
```



Importe the only that database dump into seprate file and restore

```
mysql -u username -p jjj < jjj_only.sql
```

To restore the database

```
mysql -u username -p -e "CREATE DATABASE IF NOT EXISTS jjj;"
```

```
mysql -u username -p jjj < all_databases_2025-11-25_22-00-01.sql
```