

ACIT 3910
Lab Report:
Install MySQL 8 in Windows 10
and Linux 18 VM

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ACIT 3910 Database Administration and Management
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Introduction:

In this lab, there were 2 parts:

1. Install MySQL 8 in Windows 10 VM
2. Install MySQL 8 in Linux 18 VM

The goal of lab is to download Windows 10 and Ubuntu 18 on the Oracle Virtual Box Manager and configure MySQL 8 on each instance. I followed given instructions which illustrate steps of downloading MySQL.

To download MySQL on Window 10, I accepted License agreement, chose license agreement, and download six products of MySQL. After successful installation, I checked if MySQL was installed.

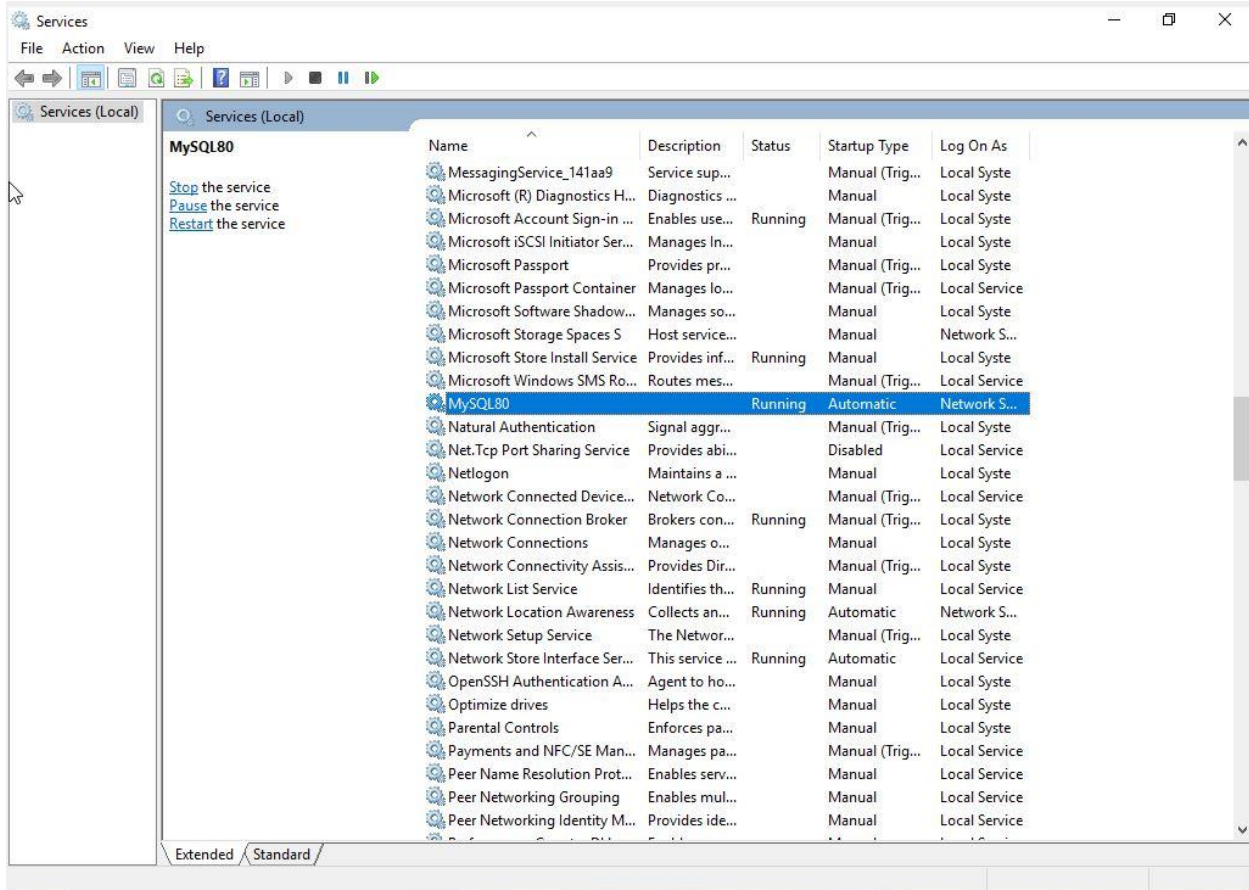
Finally, I opened an Ubuntu terminal to download MySQL. I wrote some commands to downloads MySQL. After Downloading, I set the password to login to MySQL prompt. I could use `sudo service mysql status` to check MySQL is running. Also, I could check the version of ubuntu via MySQL by using `show variables like "version";` through MySQL prompt.

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Screenshot #1:

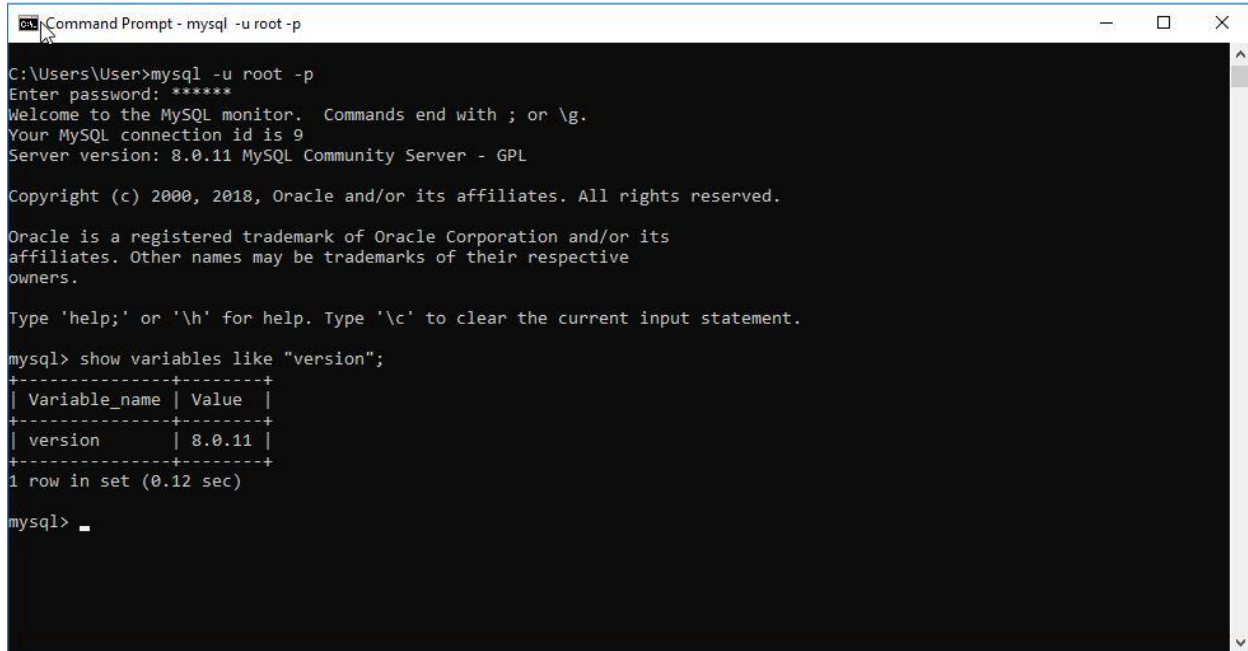
I opened Service from Window to check MySQL is successfully installed. I found MySQL80 and status is same with example in the instruction.



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Screenshot #2:

This screenshot shows that I verified I can connect to MySQL via the command prompt. I login MySQL as a root and command show variables like "version";.



```
Command Prompt - mysql -u root -p
C:\Users\User>mysql -u root -p
Enter password: *****
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 9
Server version: 8.0.11 MySQL Community Server - GPL

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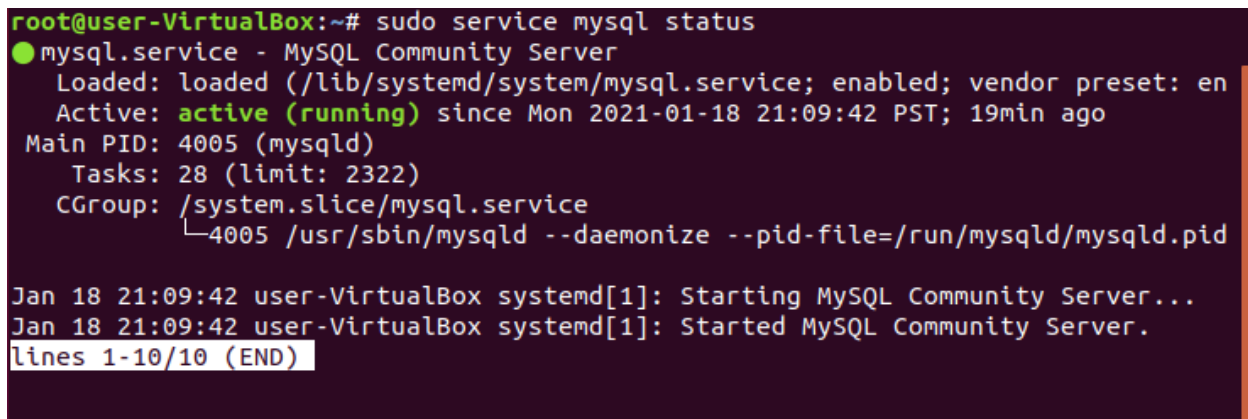
Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> show variables like "version";
+-----+-----+
| Variable_name | Value |
+-----+-----+
| version       | 8.0.11 |
+-----+-----+
1 row in set (0.12 sec)

mysql> _
```

Screenshot #3:

This screenshot shows that I verified MySQL is running. There's green circle and word "active (running)" that says MySQL is running without any problem.



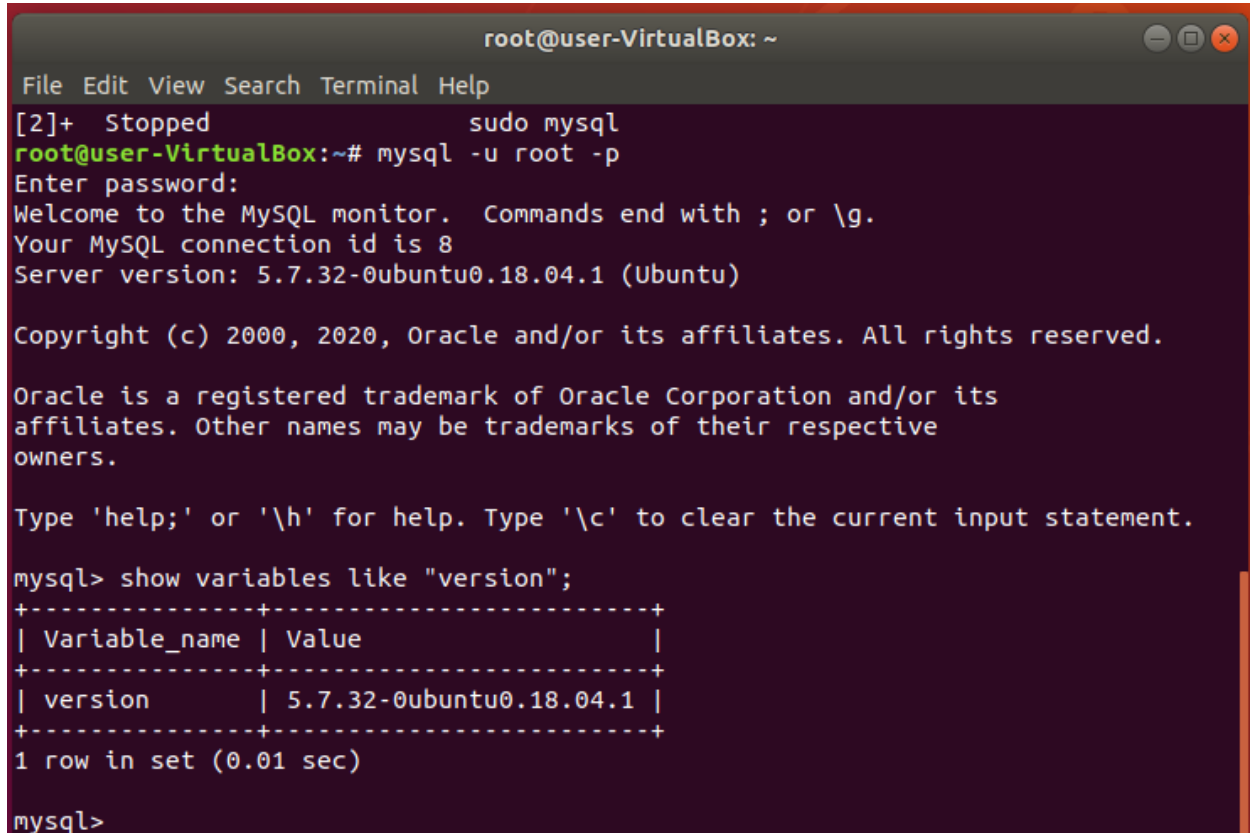
```
root@user-VirtualBox:~# sudo service mysql status
●mysql.service - MySQL Community Server
  Loaded: loaded (/lib/systemd/system/mysql.service; enabled; vendor preset: en
  Active: active (running) since Mon 2021-01-18 21:09:42 PST; 19min ago
  Main PID: 4005 (mysqld)
  Tasks: 28 (limit: 2322)
  CGroup: /system.slice/mysql.service
          └─4005 /usr/sbin/mysqld --daemonize --pid-file=/run/mysqld/mysqld.pid

Jan 18 21:09:42 user-VirtualBox systemd[1]: Starting MySQL Community Server...
Jan 18 21:09:42 user-VirtualBox systemd[1]: Started MySQL Community Server.
lines 1-10/10 (END)
```

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Screenshot #4:

This screenshot shows the version of ubuntu and I successfully set the password. Also, I was able to command `mysql -u root -p` without any problem. Everything is good.



```
root@user-VirtualBox: ~
File Edit View Search Terminal Help
[2]+  Stopped                  sudo mysql
root@user-VirtualBox:~# mysql -u root -p
Enter password:
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 8
Server version: 5.7.32-0ubuntu0.18.04.1 (Ubuntu)

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

mysql> show variables like "version";
+-----+-----+
| Variable_name | Value                |
+-----+-----+
| version       | 5.7.32-0ubuntu0.18.04.1 |
+-----+-----+
1 row in set (0.01 sec)

mysql>
```