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

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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.

Screenshot #1:

File Action View	v Heln							<u></u>	~
🔅 Services (Local)	O Services (Local)								
	MySQL80	Name	Description	Status	Startup Type	Log On As			1
		MessagingService_141aa9	Service sup		Manual (Trig	Local Syste			
12 miles	Stop the service	Microsoft (R) Diagnostics H	Diagnostics		Manual	Local Syste			
	Pause the service	Microsoft Account Sign-in	Enables use	Running	Manual (Trig	Local Syste			
	restart the service	Microsoft iSCSI Initiator Ser	Manages In	1	Manual	Local Syste			
		Microsoft Passport	Provides pr		Manual (Trig	Local Syste			
		Microsoft Passport Container	Manages Io		Manual (Trig	Local Service			
		Microsoft Software Shadow	Manages so		Manual	Local Syste			
		Microsoft Storage Spaces S	Host service		Manual	Network S			
		Microsoft Store Install Service	Provides inf	Running	Manual	Local Syste			
		Aicrosoft Windows SMS Ro	Routes mes		Manual (Trig	Local Service			
		MySQL80		Running	Automatic	Network S			- 1
		Natural Authentication	Signal aggr		Manual (Trig	Local Syste			
		🌼 Net.Tcp Port Sharing Service	Provides abi		Disabled	Local Service			
		🔍 Netlogon	Maintains a		Manual	Local Syste			
		🔍 Network Connected Device	Network Co		Manual (Trig	Local Service			
		🔍 Network Connection Broker	Brokers con	Running	Manual (Trig	Local Syste			
		Network Connections	Manages o		Manual	Local Syste			
		Network Connectivity Assis	Provides Dir		Manual (Trig	Local Syste			
		🔍 Network List Service	Identifies th	Running	Manual	Local Service			
		🔍 Network Location Awareness	Collects an	Running	Automatic	Network S			
		🔍 Network Setup Service	The Networ		Manual (Trig	Local Syste			
		🗟 Network Store Interface Ser	This service	Running	Automatic	Local Service			
		OpenSSH Authentication A	Agent to ho		Manual	Local Syste			
		🔍 Optimize drives	Helps the c		Manual	Local Syste			
		💁 Parental Controls	Enforces pa		Manual	Local Syste			
		💁 Payments and NFC/SE Man	Manages pa		Manual (Trig	Local Service			
		🔍 Peer Name Resolution Prot	Enables serv		Manual	Local Service			
		🔍 Peer Networking Grouping	Enables mul		Manual	Local Service			
		🔍 Peer Networking Identity M	Provides ide		Manual	Local Service			

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

Screenshot #2:

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



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)
```

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
                          sudo mysql
[2]+ Stopped
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-Oubuntu0.18.04.1 (Ubuntu)
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owners.
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>
```