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1  How to Install MySQL 5.7 on Ubuntu 20.04 At Windows 10 WSL2
2
3  1. System Update
4    $ sudo apt update
5
6
7  2. Add MySQL APT repository in Ubuntu
8    $ wget https://dev.mysql.com/get/mysql-apt-config_0.8.12-1_all.deb
9
10   $ sudo dpkg -i mysql-apt-config_0.8.12-1_all.deb
11
12   [Configuration mysql-apt-config]
13     -Add repository to unsupported system?
14       --Select ubuntu bionic > Enter
15     -Which MySQL product do you wish to configure?
16       --Select MySQL Server & Cluster (Currently selected: mysql-8.0) > Enter
17     -Which server version do you wish to receive?
18       --Select mysql-5.7 > Enter
19     -Which MySQL product do you wish to configure?
20       --Ok
21
22
23  3. Update MySQL Repository on Ubuntu
24    $ sudo apt update
25      Get:1 http://repo.mysql.com/apt/ubuntu bionic InRelease [19.4 kB]
26      Hit:2 http://security.ubuntu.com/ubuntu focal-security InRelease
27      Hit:3 http://archive.ubuntu.com/ubuntu focal InRelease
28      Get:4 http://repo.mysql.com/apt/ubuntu bionic/mysql-5.7 Sources [926 B]
29      Hit:5 http://archive.ubuntu.com/ubuntu focal-updates InRelease
30      Hit:6 http://archive.ubuntu.com/ubuntu focal-backports InRelease
31      Get:7 http://repo.mysql.com/apt/ubuntu bionic/mysql-apt-config amd64 Packages
32      [566 B]
33      Get:8 http://repo.mysql.com/apt/ubuntu bionic/mysql-5.7 amd64 Packages [5660 B]
34      Get:9 http://repo.mysql.com/apt/ubuntu bionic/mysql-tools amd64 Packages [6998 B]
35      Fetched 33.5 kB in 3s (12.8 kB/s)
36      Reading package lists... Done
37      Building dependency tree
38      Reading state information... Done
39      5 packages can be upgraded. Run 'apt list --upgradable' to see them.
40
41    $ sudo apt-cache policy mysql-server
42      mysql-server:
43        Installed: (none)
44        Candidate: 8.0.26-0ubuntu0.20.04.2
45        Version table:
46          8.0.26-0ubuntu0.20.04.2 500
47            500 http://archive.ubuntu.com/ubuntu focal-updates/main amd64 Packages
48            500 http://security.ubuntu.com/ubuntu focal-security/main amd64 Packages
49          8.0.19-0ubuntu5 500
50            500 http://archive.ubuntu.com/ubuntu focal/main amd64 Packages
51          5.7.35-1ubuntu18.04 500
52            500 http://repo.mysql.com/apt/ubuntu bionic/mysql-5.7 amd64 Packages
53
54  4. Install MySQL 5.7 on Ubuntu 20.04
55    $ sudo apt install -f mysql-client=5.7* mysql-community-server=5.7* mysql-server=5.7*
56      Reading package lists... Done
57      Building dependency tree
58      Reading state information... Done
59      Selected version '5.7.35-1ubuntu18.04' (MySQL:repo.mysql.com [amd64]) for
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60      'mysql-client'
61      Selected version '5.7.35-1ubuntu18.04' (MySQL:repo.mysql.com [amd64]) for
        'mysql-community-server'
62      Selected version '5.7.35-1ubuntu18.04' (MySQL:repo.mysql.com [amd64]) for
        'mysql-server'
63      The following additional packages will be installed:
64      libmecab2 libtinfo5 mysql-common mysql-community-client
65      The following NEW packages will be installed:
66      libmecab2 libtinfo5 mysql-client mysql-common mysql-community-client
        mysql-community-server mysql-server
67      0 upgraded, 7 newly installed, 0 to remove and 75 not upgraded.
68      Need to get 51.6 MB of archives.
69      After this operation, 315 MB of additional disk space will be used.
70      Do you want to continue? [Y/n] y
71
72  -Configuring mysql-community-server
73      Enter root password : mymysql
74      Re-enter root password : mymysql
75
76
77  5. Secure MySQL 5.7 Installation on Ubuntu 20.04
78  $ sudo mysql_secure_installation
79      Securing the MySQL server deployment.
80      Enter password for user root: mymysql
81      Error: Can't connect to local MySQL server through socket
        '/var/run/mysqld/mysqld.sock' (2)
82
83      $ sudo /etc/init.d/mysql start
84      ..
85      * MySQL Community Server 5.7.35 is started
86
87  $ sudo mysql_secure_installation
88
89      Securing the MySQL server deployment.
90
91      Enter password for user root:mymysql
92
93      VALIDATE PASSWORD PLUGIN can be used to test passwords
94      and improve security. It checks the strength of password
95      and allows the users to set only those passwords which are
96      secure enough. Would you like to setup VALIDATE PASSWORD plugin?
97
98      Press y|Y for Yes, any other key for No: y
99
100     There are three levels of password validation policy:
101
102     LOW   Length >= 8
103     MEDIUM Length >= 8, numeric, mixed case, and special characters
104     STRONG Length >= 8, numeric, mixed case, special characters and
        dictionary file
105
106     Please enter 0 = LOW, 1 = MEDIUM and 2 = STRONG: 0
107     Using existing password for root.
108
109     Estimated strength of the password: 25
110     Change the password for root ? ((Press y|Y for Yes, any other key for No) : No
111
112     ... skipping.
113     By default, a MySQL installation has an anonymous user,

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114     allowing anyone to log into MySQL without having to have
115     a user account created for them. This is intended only for
116     testing, and to make the installation go a bit smoother.
117     You should remove them before moving into a production
118     environment.
119
120     Remove anonymous users? (Press y|Y for Yes, any other key for No) : No
121
122     ... skipping.
123
124
125     Normally, root should only be allowed to connect from
126     'localhost'. This ensures that someone cannot guess at
127     the root password from the network.
128
129     Disallow root login remotely? (Press y|Y for Yes, any other key for No) : No
130
131     ... skipping.
132     By default, MySQL comes with a database named 'test' that
133     anyone can access. This is also intended only for testing,
134     and should be removed before moving into a production
135     environment.
136
137
138     Remove test database and access to it? (Press y|Y for Yes, any other key for No) : No
139
140     ... skipping.
141     Reloading the privilege tables will ensure that all changes
142     made so far will take effect immediately.
143
144     Reload privilege tables now? (Press y|Y for Yes, any other key for No) : y
145     Success.
146
147     All done!
148
149
150 6. Check MySQL 5.7 version on Ubuntu 20.04
151     $ sudo mysql
152     ERROR 1045 (28000): Access denied for user 'root'@'localhost' (using password: NO)
153
154     $ sudo mysql -h localhost -u root -p
155     Enter password:mymysql
156     Welcome to the MySQL monitor.  Commands end with ; or \g.
157     Your MySQL connection id is 5
158     Server version: 5.7.35 MySQL Community Server (GPL)
159
160     Copyright (c) 2000, 2021, Oracle and/or its affiliates.
161
162     Oracle is a registered trademark of Oracle Corporation and/or its
163     affiliates. Other names may be trademarks of their respective
164     owners.
165
166     Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.
167
168     mysql>
169
170
171 7. Enable MySQL remote access
172     -By default, MySQL remote access is disabled. To enable it we need to edit mysqld.cnf
    file as below:
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173 $ sudo vim /etc/mysql/mysql.conf.d/mysqld.cnf
174
175 -Look for the line 'bind_address' and change as below:
176 # By default we only accept connections from localhost
177 #bind-address = 127.0.0.1
178 bind-address = 0.0.0.0
179
180 -Save the file and restart mysql
181 $ sudo /etc/init.d/mysql restart
182
183 -Create root user
184 $ mysql -u root -p
185 Enter password:
186
187 mysql> CREATE USER 'root'@'%' IDENTIFIED BY 'mymysql';
188 ERROR 1819 (HY000): Your password does not satisfy the current policy requirements
189
190 mysql> CREATE USER 'root'@'%' IDENTIFIED BY 'P@$W0rd';
191 Query OK, 0 rows affected (0.01 sec)
192
193 mysql> GRANT ALL PRIVILEGES ON *.* TO 'root'@'%' WITH GRANT OPTION;
194 Query OK, 0 rows affected (0.02 sec)
195
196 mysql> FLUSH PRIVILEGES;
197 Query OK, 0 rows affected (0.02 sec)
198
199 -Allow remote connections through the firewall
200 $ sudo ufw allow 3306/tcp
201
202 8. WSL 연결 실패시 대처법
203 1)WSL을 Windows 10에서 연결시 접속 실패할 경우가 종종 발생한다.
204 -wsl --shutdown
205
206 2)WSL2 Ubuntu에 고정 IP 설정법
207 https://blog.dalso.org/linux/wsl2/11430
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