

```

1 How to Install the Latest MySQL 8 on Ubuntu 20.04
2
3 ref :
4 https://www.linuxcapable.com/how-to-install-the-latest-mysql-8-on-ubuntu-20-04/
5
6
7 1. Prerequisites
8 1)Recommended OS: Ubuntu 20.04 LTS
9 2)User account: A user account with sudo or root access.
10 3)Required Packages: wget
11 4)Updating Operating System
12 -Update your Ubuntu 20.04 operating system to make sure all existing packages are up to date:
13 $ sudo apt update && sudo apt upgrade
14 [sudo] password for instructor:
15
16
17 2. Import the MySQL Repository
18 -To install the latest version of MySQL, you will need to download and install the MySQL APT .deb repository package that will
19 configure and install the MySQL software repositories on your system.
20 -To get the latest link to replace in the example below, visit the APT repository download page on MySQL.
21 -Use the following command below to download to your TMP folder:
22 $ cd /tmp
23 $ wget http://repo.mysql.com/mysql-apt-config_0.8.22-1_all.deb
24 --2022-05-14 03:43:46-- http://repo.mysql.com/mysql-apt-config_0.8.22-1_all.deb
25 Resolving repo.mysql.com (repo.mysql.com)... 23.201.36.228
26 Connecting to repo.mysql.com (repo.mysql.com)|23.201.36.228|:80... connected.
27 HTTP request sent, awaiting response... 200 OK
28 Length: 18012 (18K) [application/x-debian-package]
29 Saving to: 'mysql-apt-config_0.8.22-1_all.deb'
30
31 mysql-apt-config_0. 100%[=====>] 17.59K --.-KB/s in 0.007s
32
33 2022-05-14 03:43:46 (2.30 MB/s) - 'mysql-apt-config_0.8.22-1_all.deb' saved [18012/18012]
34
35 $ sudo dpkg -i mysql-apt-config_0.8.22-1_all.deb
36 [sudo] password for instructor:
37 During the MySQL repository installation, you will see the following pop-up windows:
38
39 -----
40 [Configuring mysql-apt-config]
41 Which MySQL product do you wish to configure?
42 -----
43
44 Using the arrow keys move down the 4th row, select OK to proceed with the installation.
45
46 Selecting previously unselected package mysql-apt-config.
47 (Reading database ... 72380 files and directories currently installed.)
48 Preparing to unpack mysql-apt-config_0.8.22-1_all.deb ...
49 Unpacking mysql-apt-config (0.8.22-1) ...
50 Setting up mysql-apt-config (0.8.22-1) ...
51 Warning: apt-key should not be used in scripts (called from postinst maintainer script of the package mysql-apt-config)
52 OK
53
54 -To reflect the new repository, use the apt update command:
55 $ sudo apt update
56 Get:1 http://repo.mysql.com/apt/ubuntu focal InRelease [12.9 kB]
57 Hit:2 http://kr.archive.ubuntu.com/ubuntu focal InRelease
58 Get:3 http://repo.mysql.com/apt/ubuntu focal/mysql-8.0 Sources [955 B]
59 Get:4 http://kr.archive.ubuntu.com/ubuntu focal-updates InRelease [114 kB]
60 Get:5 http://repo.mysql.com/apt/ubuntu focal/mysql-apt-config amd64 Packages [567 B]
61 Get:6 http://kr.archive.ubuntu.com/ubuntu focal-backports InRelease [108 kB]
62 Get:7 http://repo.mysql.com/apt/ubuntu focal/mysql-8.0 amd64 Packages [8,430 B]
63 Get:8 http://kr.archive.ubuntu.com/ubuntu focal-security InRelease [114 kB]
64 Get:9 http://repo.mysql.com/apt/ubuntu focal/mysql-tools amd64 Packages [7,027 B]
65 Fetched 366 kB in 3s (129 kB/s)
66 Reading package lists... Done
67 Building dependency tree
68 Reading state information... Done
69 All packages are up to date.
70
71
72 3. Install MySQL 8
73 -Now that you have completed the import of the repository for MySQL, execute the command to install as follows:
74 $ sudo apt install mysql-server
75 Reading package lists... Done
76 Building dependency tree
77 Reading state information... Done
78 The following package was automatically installed and is no longer required:
79 libfwupdplugin1
80 Use 'sudo apt autoremove' to remove it.
81 The following additional packages will be installed:
82 libmecab2 mecab-ipadic mecab-ipadic-utf8 mecab-utils mysql-client
83 mysql-common mysql-community-client mysql-community-client-core

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```
84     mysql-community-client-plugins mysql-community-server
85     mysql-community-server-core
86 The following NEW packages will be installed:
87     libmecab2 mecab-ipadic mecab-ipadic-utf8 mecab-utils mysql-client
88     mysql-common mysql-community-client mysql-community-client-core
89     mysql-community-client-plugins mysql-community-server
90     mysql-community-server-core mysql-server
91 0 upgraded, 12 newly installed, 0 to remove and 0 not upgraded.
92 Need to get 37.2 MB of archives.
93 After this operation, 292 MB of additional disk space will be used.
94 Do you want to continue? [Y/n] y
95
96 -Type Y, then press enter key to proceed with the installation.
97
98 Get:1 http://repo.mysql.com/apt/ubuntu focal/mysql-8.0 amd64 mysql-common amd64 8.0.29-1ubuntu20.04 [68.7 kB]
99 Get:2 http://kr.archive.ubuntu.com/ubuntu focal/main amd64 libmecab2 amd64 0.996-10build1 [233 kB]
100 Get:3 http://repo.mysql.com/apt/ubuntu focal/mysql-8.0 amd64 mysql-community-client-plugins amd64
101 8.0.29-1ubuntu20.04 [1,227 kB]
102 Get:4 http://repo.mysql.com/apt/ubuntu focal/mysql-8.0 amd64 mysql-community-client-core amd64 8.0.29-1ubuntu20.04
103 [1,773 kB]
104 Get:5 http://kr.archive.ubuntu.com/ubuntu focal/main amd64 mecab-utils amd64 0.996-10build1 [4,912 B]
105 Get:6 http://kr.archive.ubuntu.com/ubuntu focal/main amd64 mecab-ipadic all 2.7.0-20070801+main-2.1 [6,714 kB]
106 Get:7 http://repo.mysql.com/apt/ubuntu focal/mysql-8.0 amd64 mysql-community-client amd64 8.0.29-1ubuntu20.04
107 [2,940 kB]
108 Get:8 http://repo.mysql.com/apt/ubuntu focal/mysql-8.0 amd64 mysql-client amd64 8.0.29-1ubuntu20.04 [65.0 kB]
109 Get:9 http://repo.mysql.com/apt/ubuntu focal/mysql-8.0 amd64 mysql-community-server-core amd64
110 8.0.29-1ubuntu20.04 [24.0 MB]
111 Get:10 http://repo.mysql.com/apt/ubuntu focal/mysql-8.0 amd64 mysql-community-server amd64 8.0.29-1ubuntu20.04
112 [76.0 kB]
113 Get:11 http://repo.mysql.com/apt/ubuntu focal/mysql-8.0 amd64 mysql-server amd64 8.0.29-1ubuntu20.04 [65.0 kB]
114 Get:12 http://kr.archive.ubuntu.com/ubuntu focal/main amd64 mecab-ipadic-utf8 all 2.7.0-20070801+main-2.1 [4,380 B]
115 Fetched 37.2 MB in 6s (6,367 kB/s)
116 Preconfiguring packages ...
117 Selecting previously unselected package mysql-common.
118 (Reading database ... 72385 files and directories currently installed.)
119 Preparing to unpack .../00-mysql-common_8.0.29-1ubuntu20.04_amd64.deb ...
120 Unpacking mysql-common (8.0.29-1ubuntu20.04) ...
121 Selecting previously unselected package mysql-community-client-plugins.
122 Preparing to unpack .../01-mysql-community-client-plugins_8.0.29-1ubuntu20.04_amd64.deb ...
123 Unpacking mysql-community-client-plugins (8.0.29-1ubuntu20.04) ...
124 Selecting previously unselected package mysql-community-client-core.
125 Preparing to unpack .../02-mysql-community-client-core_8.0.29-1ubuntu20.04_amd64.deb ...
126 Unpacking mysql-community-client-core (8.0.29-1ubuntu20.04) ...
127 Selecting previously unselected package mysql-community-client.
128 Preparing to unpack .../03-mysql-community-client_8.0.29-1ubuntu20.04_amd64.deb ...
129 Unpacking mysql-community-client (8.0.29-1ubuntu20.04) ...
130 Selecting previously unselected package mysql-client.
131 Preparing to unpack .../04-mysql-client_8.0.29-1ubuntu20.04_amd64.deb ...
132 Unpacking mysql-client (8.0.29-1ubuntu20.04) ...
133 Selecting previously unselected package libmecab2:amd64.
134 Preparing to unpack .../05-libmecab2_0.996-10build1_amd64.deb ...
135 Unpacking libmecab2:amd64 (0.996-10build1) ...
136 Selecting previously unselected package mysql-community-server-core.
137 Preparing to unpack .../06-mysql-community-server-core_8.0.29-1ubuntu20.04_amd64.deb ...
138 Unpacking mysql-community-server-core (8.0.29-1ubuntu20.04) ...
139 Selecting previously unselected package mysql-community-server.
140 Preparing to unpack .../07-mysql-community-server_8.0.29-1ubuntu20.04_amd64.deb ...
141 Unpacking mysql-community-server (8.0.29-1ubuntu20.04) ...
142 Selecting previously unselected package mecab-utils.
143 Preparing to unpack .../08-mecab-utils_0.996-10build1_amd64.deb ...
144 Unpacking mecab-utils (0.996-10build1) ...
145 Selecting previously unselected package mecab-ipadic.
146 Preparing to unpack .../09-mecab-ipadic_2.7.0-20070801+main-2.1_all.deb ...
147 Unpacking mecab-ipadic (2.7.0-20070801+main-2.1) ...
148 Selecting previously unselected package mecab-ipadic-utf8.
149 Preparing to unpack .../10-mecab-ipadic-utf8_2.7.0-20070801+main-2.1_all.deb ...
150 Unpacking mecab-ipadic-utf8 (2.7.0-20070801+main-2.1) ...
151 Selecting previously unselected package mysql-server.
152 Preparing to unpack .../11-mysql-server_8.0.29-1ubuntu20.04_amd64.deb ...
153 Unpacking mysql-server (8.0.29-1ubuntu20.04) ...
154 Setting up libmecab2:amd64 (0.996-10build1) ...
155 Setting up mysql-common (8.0.29-1ubuntu20.04) ...
156 update-alternatives: using /etc/mysql/my.cnf.fallback to provide /etc/mysql/my.cnf (my.cnf) in auto mode
157 Setting up mysql-community-server-core (8.0.29-1ubuntu20.04) ...
158 Setting up mecab-utils (0.996-10build1) ...
159 Setting up mysql-community-client-plugins (8.0.29-1ubuntu20.04) ...
160 Setting up mecab-ipadic (2.7.0-20070801+main-2.1) ...
161 Compiling IPA dictionary for Mecab. This takes long time...
162 reading /usr/share/mecab/dic/ipadic/unk.def ... 40
163 emitting double-array: 100% |#####|
164 /usr/share/mecab/dic/ipadic/model.def is not found. skipped.
165 reading /usr/share/mecab/dic/ipadic/Noun.verbal.csv ... 12146
166 reading /usr/share/mecab/dic/ipadic/Noun.adverbial.csv ... 795
167 reading /usr/share/mecab/dic/ipadic/Noun.others.csv ... 151
```

```
163 reading /usr/share/mecab/dic/ipadic/Postp.csv ... 146
164 reading /usr/share/mecab/dic/ipadic/Noun.name.csv ... 34202
165 reading /usr/share/mecab/dic/ipadic/Noun.adjv.csv ... 3328
166 reading /usr/share/mecab/dic/ipadic/Suffix.csv ... 1393
167 reading /usr/share/mecab/dic/ipadic/Conjunction.csv ... 171
168 reading /usr/share/mecab/dic/ipadic/Noun.nai.csv ... 42
169 reading /usr/share/mecab/dic/ipadic/Auxil.csv ... 199
170 reading /usr/share/mecab/dic/ipadic/Prefix.csv ... 221
171 reading /usr/share/mecab/dic/ipadic/Filler.csv ... 19
172 reading /usr/share/mecab/dic/ipadic/Interjection.csv ... 252
173 reading /usr/share/mecab/dic/ipadic/Adverb.csv ... 3032
174 reading /usr/share/mecab/dic/ipadic/Adj.csv ... 27210
175 reading /usr/share/mecab/dic/ipadic/Noun.org.csv ... 16668
176 reading /usr/share/mecab/dic/ipadic/Symbol.csv ... 208
177 reading /usr/share/mecab/dic/ipadic/Noun.number.csv ... 42
178 reading /usr/share/mecab/dic/ipadic/Adnominal.csv ... 135
179 reading /usr/share/mecab/dic/ipadic/Noun.csv ... 60477
180 reading /usr/share/mecab/dic/ipadic/Noun.proper.csv ... 27328
181 reading /usr/share/mecab/dic/ipadic/Others.csv ... 2
182 reading /usr/share/mecab/dic/ipadic/Noun.place.csv ... 72999
183 reading /usr/share/mecab/dic/ipadic/Postp-col.csv ... 91
184 reading /usr/share/mecab/dic/ipadic/Noun.demonst.csv ... 120
185 reading /usr/share/mecab/dic/ipadic/Verb.csv ... 130750
186 emitting double-array: 100% |#####|
187 reading /usr/share/mecab/dic/ipadic/matrix.def ... 1316x1316
188 emitting matrix : 100% |#####|
189
190
```

-During the installation, a new popup will appear, prompting you to enter the database root password.  
-Make sure this is secure and recorded. Once entered, press the enter key or press tab key to select the <Ok> and hit enter to proceed with the installation:

```
193 -----
194
195 [Package configuration]
196   -Enter root password: mymysql
197   -Re-enter root password : mymysql
198 -----
199
```

-Note, you will be prompted to re-enter the root password a second time to confirm.  
-Next, another popup will appear for you to read about the new authentication system.  
-Next, set the default selection for MySQL for authentication plugin as below:

```
203 -----
204
205 MySQL 8 uses a new authentication based on improved SHA256-based
206 | password methods. It is recommended that all new MySQL Server
207 | installations use this method going forward. This new authentication
208 | plugin requires new versions of connectors and clients, with support for
209 | this new authentication method (caching_sha2_password). Currently MySQL
210 | 8 Connectors and community drivers built with libmysqlclient21 support
211 | this new method. Clients built with older versions of libmysqlclient may
212 | not be able to connect to the new server.
213 |
214 | To retain compatibility with older client software, the default
215 | authentication plugin can be set to the legacy value
216 | (mysql_native_password) This should only be done if required third-party
217 | software has not been updated to work with the new authentication
218 | method. The change will be written to the file
219 |
220
```

Ok

-Lastly, you will be queried about which encryption to use.  
-It is recommended to use the Strong Password Encryption:

```
226 -----
227 Select default authentication plugin
228 |
229 | Use Strong Password Encryption (RECOMMENDED)      Ok
230 -----
231
```

done!

```
232
233
234 update-alternatives: using /var/lib/mecab/dic/ipadic to provide /var/lib/mecab/dic/debian (mecab-dictionary) in auto mode
235 Setting up mysql-community-client-core (8.0.29-1ubuntu20.04) ...
236 Setting up mecab-ipadic-utf8 (2.7.0-20070801+main-2.1) ...
237 Compiling IPA dictionary for Mecab. This takes long time...
238 reading /usr/share/mecab/dic/ipadic/unk.def ... 40
239 emitting double-array: 100% |#####|
240 /usr/share/mecab/dic/ipadic/model.def is not found. skipped.
241 reading /usr/share/mecab/dic/ipadic/Noun.verbal.csv ... 12146
242 reading /usr/share/mecab/dic/ipadic/Noun.adverbal.csv ... 795
243 reading /usr/share/mecab/dic/ipadic/Noun.others.csv ... 151
244 reading /usr/share/mecab/dic/ipadic/Postp.csv ... 146
245 reading /usr/share/mecab/dic/ipadic/Noun.name.csv ... 34202
```

```

246 reading /usr/share/mecab/dic/ipadic/Noun.adjv.csv ... 3328
247 reading /usr/share/mecab/dic/ipadic/Suffix.csv ... 1393
248 reading /usr/share/mecab/dic/ipadic/Conjunction.csv ... 171
249 reading /usr/share/mecab/dic/ipadic/Noun.nai.csv ... 42
250 reading /usr/share/mecab/dic/ipadic/Auxil.csv ... 199
251 reading /usr/share/mecab/dic/ipadic/Prefix.csv ... 221
252 reading /usr/share/mecab/dic/ipadic/Filler.csv ... 19
253 reading /usr/share/mecab/dic/ipadic/Interjection.csv ... 252
254 reading /usr/share/mecab/dic/ipadic/Adverb.csv ... 3032
255 reading /usr/share/mecab/dic/ipadic/Adj.csv ... 27210
256 reading /usr/share/mecab/dic/ipadic/Noun.org.csv ... 16668
257 reading /usr/share/mecab/dic/ipadic/Symbol.csv ... 208
258 reading /usr/share/mecab/dic/ipadic/Noun.number.csv ... 42
259 reading /usr/share/mecab/dic/ipadic/Adnominal.csv ... 135
260 reading /usr/share/mecab/dic/ipadic/Noun.csv ... 60477
261 reading /usr/share/mecab/dic/ipadic/Noun.proper.csv ... 27328
262 reading /usr/share/mecab/dic/ipadic/Others.csv ... 2
263 reading /usr/share/mecab/dic/ipadic/Noun.place.csv ... 72999
264 reading /usr/share/mecab/dic/ipadic/Postp-col.csv ... 91
265 reading /usr/share/mecab/dic/ipadic/Noun.demonst.csv ... 120
266 reading /usr/share/mecab/dic/ipadic/Verb.csv ... 130750
267 emitting double-array: 100% |#####|
268 reading /usr/share/mecab/dic/ipadic/matrix.def ... 1316x1316
269 emitting matrix : 100% |#####|
270
271 done!
272 update-alternatives: using /var/lib/mecab/dic/ipadic-utf8 to provide /var/lib/mecab/dic/debian (mecab-dictionary) in auto
mode
273 Setting up mysql-community-client (8.0.29-1ubuntu20.04) ...
274 Setting up mysql-client (8.0.29-1ubuntu20.04) ...
275 Setting up mysql-community-server (8.0.29-1ubuntu20.04) ...
276 update-alternatives: using /etc/mysql/mysql.cnf to provide /etc/mysql/my.cnf (my.cnf) in auto mode
277 Created symlink /etc/systemd/system/multi-user.target.wants/mysql.service → /lib/systemd/system/mysql.service.
278 Setting up mysql-server (8.0.29-1ubuntu20.04) ...
279 Processing triggers for man-db (2.9.1-1) ...
280 Processing triggers for libc-bin (2.31-0ubuntu9.9) ...
281
282
283 -The installation should finish up after this point.
284 -To confirm it has been successfully installed, run the following apt policy command, which will also confirm the current version
and build of the MySQL database server:
285 $ apt policy mysql-server
286 mysql-server:
287   Installed: 8.0.29-1ubuntu20.04
288   Candidate: 8.0.29-1ubuntu20.04
289   Version table:
290 *** 8.0.29-1ubuntu20.04 500
291     500 http://repo.mysql.com/apt/ubuntu focal/mysql-8.0 amd64 Packages
292     100 /var/lib/dpkg/status
293 8.0.29-0ubuntu0.20.04.3 500
294     500 http://kr.archive.ubuntu.com/ubuntu focal-updates/main amd64 Packages
295     500 http://kr.archive.ubuntu.com/ubuntu focal-security/main amd64 Packages
296 8.0.19-0ubuntu5 500
297     500 http://kr.archive.ubuntu.com/ubuntu focal/main amd64 Packages
298
299
300 4. Check MySQL 8 server status
301 -The installer will automatically start your MySQL service by default and configure itself to auto-start on system boot.
302 -To verify your MySQL service is operational after the installation, type the following systemctl command:
303 $ systemctl status mysql
304 • mysql.service - MySQL Community Server
305   Loaded: loaded (/lib/systemd/system/mysql.service; enabled; vendor preset: >
306   Active: active (running) since Sat 2022-05-14 03:48:08 UTC; 28s ago
307   Docs: man:mysqld(8)
308         http://dev.mysql.com/doc/refman/en/using-systemd.html
309   Main PID: 3871 (mysqld)
310   Status: "Server is operational"
311   Tasks: 38 (limit: 9443)
312   Memory: 359.3M
313   CGroup: /system.slice/mysql.service
314           └─3871 /usr/sbin/mysqld
315
316   May 14 03:48:08 ubuntu-server systemd[1]: Starting MySQL Community Server...
317   May 14 03:48:08 ubuntu-server systemd[1]: Started MySQL Community Server.
318
319 -To stop the MySQL service:
320 $ sudo systemctl stop mysql
321
322 -To start the MySQL service:
323 $ sudo systemctl start mysql
324
325 -To restart the MySQL service:
326 $ sudo systemctl restart mysql
327

```

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328 -To disable the MySQL service on system boot:
329 $ sudo systemctl enable mysql
330
331
332 5. Secure MySQL 8 with Security Script
333 -When installing MySQL fresh, default settings are considered weak by most standards and cause concern for potentially
allowing intrusion or exploiting hackers.
334 -A solution is to run the installation security script that comes with the MySQL installation.
335 -First, use the following command to launch the (mysql_secure_installation):
336
337 $ sudo mysql_secure_installation
338
339 -You will be prompted to enter your root password, and then you will see a question about VALIDATE PASSWORD
COMPONENT; this is to set password complexity checks; for most, the default is fine.
340
341 Next, follow below:
342 --Setting the password for root accounts.
343 --Removing root accounts that are accessible from outside the local host.
344 --Removing anonymous-user accounts.
345 --Removing the test database, which by default can be accessed by anonymous users.
346 Note, you use (Y) to remove everything. Also, if you like, you can reset your root password by creating a new one; you can
skip this if you like as you already set it during the initial installation with the pop-up windows.
347
348 -----
349 Securing the MySQL server deployment.
350
351 Enter password for user root:mymysql
352
353 VALIDATE PASSWORD COMPONENT can be used to test passwords
354 and improve security. It checks the strength of password
355 and allows the users to set only those passwords which are
356 secure enough. Would you like to setup VALIDATE PASSWORD component?
357
358 Press y|Y for Yes, any other key for No: y
359
360 There are three levels of password validation policy:
361
362 LOW Length >= 8
363 MEDIUM Length >= 8, numeric, mixed case, and special characters
364 STRONG Length >= 8, numeric, mixed case, special characters and dictionary file
365
366 Please enter 0 = LOW, 1 = MEDIUM and 2 = STRONG: 0
367 Using existing password for root.
368
369 Estimated strength of the password: 25
370 Change the password for root ? ((Press y|Y for Yes, any other key for No) : n
371
372 ... skipping.
373 By default, a MySQL installation has an anonymous user,
374 allowing anyone to log into MySQL without having to have
375 a user account created for them. This is intended only for
376 testing, and to make the installation go a bit smoother.
377 You should remove them before moving into a production
378 environment.
379
380 Remove anonymous users? (Press y|Y for Yes, any other key for No) : y
381 Success.
382
383 Normally, root should only be allowed to connect from
384 'localhost'. This ensures that someone cannot guess at
385 the root password from the network.
386
387 Disallow root login remotely? (Press y|Y for Yes, any other key for No) : n
388
389 ... skipping.
390 By default, MySQL comes with a database named 'test' that
391 anyone can access. This is also intended only for testing,
392 and should be removed before moving into a production
393 environment.
394
395
396 Remove test database and access to it? (Press y|Y for Yes, any other key for No) : n
397
398 ... skipping.
399 Reloading the privilege tables will ensure that all changes
400 made so far will take effect immediately.
401
402 Reload privilege tables now? (Press y|Y for Yes, any other key for No) : y
403 Success.
404
405 All done!
406 -----
407
408

```

```

409 6. Login to MySQL 8 instance
410 -Now that you have completed the post-installation installation security script, login into your MySQL database can be done
    using the following:
411
412     $ sudo mysql -h localhost -u root -p
413
414 -You will be prompted to enter the root password that you set in either the installation setup or post-installation security script.
415
416 Enter password:
417 Welcome to the MySQL monitor.  Commands end with ; or \g.
418 Your MySQL connection id is 10
419 Server version: 8.0.29 MySQL Community Server - GPL
420
421 Copyright (c) 2000, 2022, Oracle and/or its affiliates.
422
423 Oracle is a registered trademark of Oracle Corporation and/or its
424 affiliates. Other names may be trademarks of their respective
425 owners.
426
427 Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.
428
429
430 -Once inside the MySQL service instance, you can execute the following command as a test to see it in operation.
431 -Type the following SHOW DATABASE command:
432
433 mysql> show databases;
434 +-----+
435 | Database |
436 +-----+
437 | information_schema |
438 | mysql |
439 | performance_schema |
440 | sys |
441 +-----+
442 4 rows in set (0.00 sec)
443
444 mysql> use mysql
445 Reading table information for completion of table and column names
446 You can turn off this feature to get a quicker startup with -A
447
448 Database changed
449 mysql> show tables;
450 +-----+
451 | Tables_in_mysql |
452 +-----+
453 | columns_priv |
454 | component |
455 | db |
456 | default_roles |
457 | engine_cost |
458 | func |
459 | general_log |
460 | global_grants |
461 | gtid_executed |
462 | help_category |
463 | help_keyword |
464 | help_relation |
465 | help_topic |
466 | innodb_index_stats |
467 | innodb_table_stats |
468 | password_history |
469 | plugin |
470 | procs_priv |
471 | proxies_priv |
472 | replication_asynchronous_connection_failover |
473 | replication_asynchronous_connection_failover_managed |
474 | replication_group_configuration_version |
475 | replication_group_member_actions |
476 | role_edges |
477 | server_cost |
478 | servers |
479 | slave_master_info |
480 | slave_relay_log_info |
481 | slave_worker_info |
482 | slow_log |
483 | tables_priv |
484 | time_zone |
485 | time_zone_leap_second |
486 | time_zone_name |
487 | time_zone_transition |
488 | time_zone_transition_type |
489 | user |
490 +-----+
491 37 rows in set (0.01 sec)

```

```
492
493 mysql> select user,host from user;
494 +-----+-----+
495 | user          | host      |
496 +-----+-----+
497 | mysql.infoschema | localhost |
498 | mysql.session   | localhost |
499 | mysql.sys       | localhost |
500 | root            | localhost |
501 +-----+-----+
502 4 rows in set (0.00 sec)
503
504
```

-To exit the terminal, type the following exit command:

```
505 mysql> exit
506 Bye
507
508
509
```

## 7. Uninstall MySQL 8

-If you no longer wish to use the MySQL database and want to remove it in full, execute the following command:

```
512
513 $ sudo apt autoremove mysql-server
514
```

-Type Y, then press enter key to proceed with the uninstallation.

## 8. Comments and Conclusion

-In the tutorial, you have learned how to install the latest MySQL 8.

-Overall, MySQL 8 has better performance for reading/write workloads, IO-bound workloads, and high contention workloads.

521 -In addition, along with options to optimize for specific workloads on specific hardware by mapping user threads to CPUs, to name a few of the new features.

522 -Users on older versions of MySQL should consider upgrading, as the performance gains are definitely worth it.