

Linux - ECS - setup

2018年6月3日 12:25

- ✓ Costaq03 - install MySQL 8 for exercise

root
Wahsh@02

- ★ Download
MySQL Community Server 版本
<https://dev.mysql.com/downloads/repo/yum/>
- ★ 解压rpm包的linux命令及rpm命令使用简介
<http://www.jb51.net/article/75341.htm>

- ✓ 在 Centos 系统下使用 yum 命令安装 MySql
- ★ Check if any existing MySQL version intalled already

yum list installed mysql*

```
[root@costaq03 ~]# yum list installed mysql*
Loaded plugins: fastestmirror
Repodata is over 2 weeks old. Install yum-cron? Or run: yum makecache fast
Determining fastest mirrors
Error: No matching Packages to list
[root@costaq03 ~]#
```

Screen clipping taken: 2018/6/3 12:41

Try to install MySQL directly

yum install mysql-server

>> No mysql installer package

```
[root@costaq03 ~]# yum install mysql-server
Loaded plugins: fastestmirror
Loading mirror speeds from cached hostfile
base | 3.6 kB 00:00:00
epel | 3.2 kB 00:00:00
extras | 3.4 kB 00:00:00
nodesource | 2.5 kB 00:00:00
packages-microsoft-com-prod | 2.9 kB 00:00:00
updates | 3.4 kB 00:00:00
(1/6): epel/x86_64/group_gz | 88 kB 00:00:00
(2/6): epel/x86_64/updateinfo | 933 kB 00:00:00
(3/6): extras/77/x86_64/primary_db | 147 kB 00:00:00
(4/6): epel/x86_64/primary | 3.5 MB 00:00:00
(5/6): updates/7/x86_64/primary_db | 2.0 MB 00:00:00
(6/6): packages-microsoft-com-prod/primary_db | 116 kB 00:00:00
epel 12584/12584
No package mysql-server available.
Error: Nothing to do
[root@costaq03 ~]#
```

Screen clipping taken: 2018/6/3 12:44

```
[root@costaq03 ~]# yum install mysql-server
Loaded plugins: fastestmirror
Loading mirror speeds from cached hostfile
No package mysql-server available.
Error: Nothing to do
```

Screen clipping taken: 2018/6/3 12:44

yum list mysql*

```
[root@costaga03 ~]# yum list mysql*
Loaded plugins: fastestmirror
Loading mirror speeds from cached hostfile
Available Packages
MySQL-python.x86_64                1.2.5-1.el7          base
MySQL-zmm.noarch                   3.0-17.el7           epel
mysql++.x86_64                     3.1.0-12.el7         epel
mysql++-devel.x86_64               3.1.0-12.el7         epel
mysql++-manuals.x86_64             3.1.0-12.el7         epel
mysql-connector-java.noarch        1:5.1.25-3.el7       base
mysql-connector-odbc.x86_64        5.2.5-7.el7          base
mysql-connector-python.noarch     1.1.6-1.el7          epel
mysql-mmm.noarch                   2.2.1-15.el7         epel
mysql-mmm-agent.noarch             2.2.1-15.el7         epel
mysql-mmm-monitor.noarch          2.2.1-15.el7         epel
mysql-mmm-tools.noarch            2.2.1-15.el7         epel
mysql-proxy.x86_64                 0.8.5-2.el7          epel
mysql-proxy-devel.x86_64           0.8.5-2.el7          epel
mysql-utilities.noarch             1.3.6-1.el7          epel
mysqlreport.noarch                 3.5-11.el7           epel
mysqltuner.noarch                  1.6.0-1.el7          epel
```

Screen clipping taken: 2018/6/3 12:46

★ Go to official website and browse to **MySQL Yum Repository**

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

Get download link

<https://dev.mysql.com/get/mysql80-community-release-el7-1.noarch.rpm>

In Linux, enter command line

wget <https://dev.mysql.com/get/mysql80-community-release-el7-1.noarch.rpm>

```
[root@costaga03 ~]# wget https://dev.mysql.com/get/mysql80-community-release-el7-1.noarch.rpm
--2018-06-03 12:51:22-- https://dev.mysql.com/get/mysql80-community-release-el7-1.noarch.rpm
Resolving dev.mysql.com (dev.mysql.com)... 137.254.60.11
Connecting to dev.mysql.com (dev.mysql.com)|137.254.60.11|:443... connected.
HTTP request sent, awaiting response... 302 Found
Location: https://repo.mysql.com/mysql80-community-release-el7-1.noarch.rpm [following]
--2018-06-03 12:51:25-- https://repo.mysql.com/mysql80-community-release-el7-1.noarch.rpm
Resolving repo.mysql.com (repo.mysql.com)... 23.219.33.198
Connecting to repo.mysql.com (repo.mysql.com)|23.219.33.198|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 25820 (25K) [application/x-redhat-package-manager]
Saving to: 'mysql80-community-release-el7-1.noarch.rpm'

100%[=====>] 25,820      118KB/s   in 0.2s

2018-06-03 12:51:26 (118 KB/s) - 'mysql80-community-release-el7-1.noarch.rpm' saved [25820/25820]
```

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ls

```
[root@costaga03 ~]# ls
mysql80-community-release-el7-1.noarch.rpm  run.sh
```

Screen clipping taken: 2018/6/3 12:51

rpm -ivh mysql80-community-release-el7-1.noarch.rpm

or

rpm -uvh mysql80-community-release-el7-1.noarch.rpm

```
[root@costaga03 ~]# rpm -ivh mysql80-community-release-el7-1.noarch.rpm
warning: mysql80-community-release-el7-1.noarch.rpm: Header V3 DSA/SHA1 Signature, key ID 5072e1f5: NOKEY
Preparing... ##### [100%]
Updating / installing...
 1:mysql80-community-release-el7-1 ##### [100%]
```

Screen clipping taken: 2018/6/3 12:51

Install MySQL now

yum install mysql-server

```

[root@costaga03 ~]# yum install mysql-server
Loaded plugins: fastestmirror
Loading mirror speeds from cached hostfile
mysql-connectors-community | 2.5 kB 00:00:00
mysql-tools-community | 2.5 kB 00:00:00
mysql80-community | 2.5 kB 00:00:00
(1/3): mysql-connectors-community/x86_64/primary_db | 20 kB 00:00:00
(2/3): mysql80-community/x86_64/primary_db | 16 kB 00:00:00
(3/3): mysql-tools-community/x86_64/primary_db | 41 kB 00:00:00
Resolving Dependencies
--> Running transaction check
--> Package mysql-community-server.x86_64 0:8.0.11-1.el7 will be installed
--> Processing Dependency: mysql-community-common(x86-64) = 8.0.11-1.el7 for package: mysql-community-server-8.0.11-1.el7.x86_64
--> Processing Dependency: mysql-community-client(x86-64) >= 8.0.0 for package: mysql-community-server-8.0.11-1.el7.x86_64
--> Processing Dependency: libaio.so.1(LIBAIO_0.4)(64bit) for package: mysql-community-server-8.0.11-1.el7.x86_64
--> Processing Dependency: libaio.so.1(LIBAIO_0.1)(64bit) for package: mysql-community-server-8.0.11-1.el7.x86_64
--> Processing Dependency: libaio.so.1()(64bit) for package: mysql-community-server-8.0.11-1.el7.x86_64
--> Running transaction check
--> Package libaio.x86_64 0:0.3.109-13.el7 will be installed
--> Package mariadb.x86_64 1:5.5.56-2.el7 will be obsoleted
--> Package mysql-community-client.x86_64 0:8.0.11-1.el7 will be obsoleting
--> Processing Dependency: mysql-community-libs(x86-64) >= 8.0.0 for package: mysql-community-client-8.0.11-1.el7.x86_64
--> Package mysql-community-common.x86_64 0:8.0.11-1.el7 will be installed
--> Running transaction check
--> Package mariadb-libs.x86_64 1:5.5.56-2.el7 will be obsoleted
--> Processing Dependency: libmysqldclient.so.18()(64bit) for package: 2:postfix-2.10.1-6.el7.x86_64
--> Processing Dependency: libmysqldclient.so.18(libmysqldclient_18)(64bit) for package: 2:postfix-2.10.1-6.el7.x86_64
--> Package mysql-community-libs.x86_64 0:8.0.11-1.el7 will be obsoleting
--> Running transaction check
--> Package mysql-community-libs-compat.x86_64 0:8.0.11-1.el7 will be obsoleting
--> Finished Dependency Resolution

Dependencies Resolved

=====
Package Arch Version Repository Size
=====
Installing:
mysql-community-client x86_64 8.0.11-1.el7 mysql80-community 26 M
replacing mariadb.x86_64 1:5.5.56-2.el7
mysql-community-libs x86_64 8.0.11-1.el7 mysql80-community 2.2 M
replacing mariadb-libs.x86_64 1:5.5.56-2.el7
mysql-community-libs-compat x86_64 8.0.11-1.el7 mysql80-community 2.1 M
replacing mariadb-libs.x86_64 1:5.5.56-2.el7
mysql-community-server x86_64 8.0.11-1.el7 mysql80-community 341 M
Installing for dependencies:
libaio x86_64 0.3.109-13.el7 base 24 k
mysql-community-common x86_64 8.0.11-1.el7 mysql80-community 537 k
Transaction Summary
=====
Install 4 Packages (+2 Dependent packages)

Total download size: 371 M
Is this ok [y/d/N]: ☒

```

Screen clipping taken: 2018/6/3 12:52

y

```

Is this ok [y/d/N]: y
Downloading packages:
(1/6): libaio-0.3.109-13.el7.x86_64.rpm | 24 kB 00:00:00
warning: /var/cache/yum/x86_64/7/mysql80-community/packages/mysql-community-common-8.0.11-1.el7.x86_64.rpm: Header V3 DSA/SHA1
Signature, key ID 5072e1f5: NOKEY
Public key for mysql-community-common-8.0.11-1.el7.x86_64.rpm is not installed
(2/6): mysql-community-common-8.0.11-1.el7.x86_64.rpm | 537 kB 00:00:10
(3/6): mysql-community-libs-8.0.11-1.el7.x86_64.rpm | 2.2 MB 00:00:01
(4/6): mysql-community-libs-compat-8.0.11-1.el7.x86_64.rpm | 2.1 MB 00:00:01
(5/6): mysql-community-client-8.0.11-1.el7.x86_64.rpm | 26 MB 00:00:18
(6/6): mysql-community-server-8.0.11-1.el7.x86_64.rpm | 341 MB 00:04:19
-----
Total 1.4 MB/s | 371 MB 00:04:32
Retrieving key from file:///etc/pki/rpm-gpg/RPM-GPG-KEY-mysql
Importing GPG key 0x5072E1F5:
  Userid : "MySQL Release Engineering <mysql-build@oss.oracle.com>"
  Fingerprint: a4a9 4068 76fc bd3c 4567 70c8 8c71 8d3b 5072 e1f5
  Package : mysql80-community-release-el7-1.noarch (installed)
  From : /etc/pki/rpm-gpg/RPM-GPG-KEY-mysql
Is this ok [y/N]: ☒

```

Screen clipping taken: 2018/6/3 13:03

y

```

Is this ok [y/N]: y
Running transaction check
Running transaction test
Transaction test succeeded
Running transaction
Warning: RPMDB altered outside of yum.
Installing : mysql-community-common-8.0.11-1.el7.x86_64 1/8
Installing : mysql-community-libs-8.0.11-1.el7.x86_64 2/8
Installing : mysql-community-client-8.0.11-1.el7.x86_64 3/8
Installing : libaio-0.3.109-13.el7.x86_64 4/8
Installing : mysql-community-server-8.0.11-1.el7.x86_64 5/8
Installing : mysql-community-libs-compat-8.0.11-1.el7.x86_64 6/8
Erasing : 1:mariadb-5.5.56-2.el7.x86_64 7/8
Erasing : 1:mariadb-libs-5.5.56-2.el7.x86_64 8/8
Verifying : mysql-community-server-8.0.11-1.el7.x86_64 1/8
Verifying : mysql-community-client-8.0.11-1.el7.x86_64 2/8
Verifying : mysql-community-libs-8.0.11-1.el7.x86_64 3/8
Verifying : mysql-community-common-8.0.11-1.el7.x86_64 4/8
Verifying : mysql-community-libs-compat-8.0.11-1.el7.x86_64 5/8
Verifying : libaio-0.3.109-13.el7.x86_64 6/8
Verifying : 1:mariadb-libs-5.5.56-2.el7.x86_64 7/8
Verifying : 1:mariadb-5.5.56-2.el7.x86_64 8/8

Installed:
mysql-community-client.x86_64 0:8.0.11-1.el7 mysql-community-libs.x86_64 0:8.0.11-1.el7
mysql-community-libs-compat.x86_64 0:8.0.11-1.el7 mysql-community-server.x86_64 0:8.0.11-1.el7

Dependency Installed:
libaio.x86_64 0:0.3.109-13.el7 mysql-community-common.x86_64 0:8.0.11-1.el7

Replaced:
mariadb.x86_64 1:5.5.56-2.el7 mariadb-libs.x86_64 1:5.5.56-2.el7

Complete!

```

Screen clipping taken: 2018/6/3 13:07

Re-enter install command again and see

yum install mysql-server

```

[root@costaga03 ~]# yum install mysql-server
Loaded plugins: fastestmirror
Loading mirror speeds from cached hostfile
Package mysql-community-server-8.0.11-1.el7.x86_64 already installed and latest version
Nothing to do

```

Screen clipping taken: 2018/6/3 13:08

☒ Initialize MySQL

修改初始密码

查看临时密码 // 未生成

cat /var/log/mysqld.log

```

[root@costaga03 log]# cat /var/log/mysqld.log
[root@costaga03 log]#

```

Screen clipping taken: 2018/6/3 13:16

先启动 MySQL 服务

service mysqld start

```

[root@costaga03 log]# service mysqld start
Redirecting to /bin/systemctl start mysqld.service

```

Screen clipping taken: 2018/6/3 13:17

再次查看临时密码

cat /var/log/mysqld.log

```

[root@costaga03 ~]# cat /var/log/mysqld.log
2018-06-03T05:18:20.625111Z 0 [System] [MY-013169] [Server] /usr/sbin/mysqld (mysqld 8.0.11) initializing of server in progress as process 26419
2018-06-03T05:18:23.432519Z 5 [Note] [MY-010454] [Server] A temporary password is generated for root@localhost: fu&jqQ>WH4fk
2018-06-03T05:18:24.575219Z 0 [System] [MY-013170] [Server] /usr/sbin/mysqld (mysqld 8.0.11) initializing of server has completed
2018-06-03T05:18:26.708574Z 0 [System] [MY-010116] [Server] /usr/sbin/mysqld (mysqld 8.0.11) starting as process 26475
2018-06-03T05:18:27.187450Z 0 [Warning] [MY-010068] [Server] CA certificate ca.pem is self signed.
2018-06-03T05:18:27.206965Z 0 [System] [MY-010931] [Server] /usr/sbin/mysqld: ready for connections. Version: '8.0.11' socket: '/var/lib/mysql/m
ysql.sock' port: 3306 MySQL Community Server - GPL.

```

Screen clipping taken: 2018/6/3 13:19

grep "A temporary password" /var/log/mysqld.log

2018-06-03T05:18:23.432519Z 5 [Note] [MY-010454] [Server] A temporary password is generated for root@localhost: **fu&jqQ>WH4fk**

根据临时密码重置新密码和密码策略: mysql_secure_installation;

根据提示一步步操作, 注意密码要包含大小写字母及数字和一些符号, 不然会提示密码不安全。

mysql_secure_installation;

输入临时密码 fu&jqQ>WH4fk

```
[root@costaqa03 ~]# mysql_secure_installation;
Securing the MySQL server deployment.
Enter password for user root:
```

Screen clipping taken: 2018/6/3 13:25

输入 root 新密码

Wahsh@02

```
The existing password for the user account root has expired. Please set a new password.
New password:
Re-enter new password:
```

Screen clipping taken: 2018/6/3 13:26

y

2

```
VALIDATE PASSWORD PLUGIN can be used to test passwords
and improve security. It checks the strength of password
and allows the users to set only those passwords which are
secure enough. Would you like to setup VALIDATE PASSWORD plugin?

Press y|Y for Yes, any other key for No: y

There are three levels of password validation policy:

LOW      Length >= 8
MEDIUM  Length >= 8, numeric, mixed case, and special characters
STRONG Length >= 8, numeric, mixed case, special characters and dictionary

Please enter 0 = LOW, 1 = MEDIUM and 2 = STRONG: 2
```

Screen clipping taken: 2018/6/3 13:30

y

Wahsh@02

```
Using existing password for root.
Estimated strength of the password: 100
Change the password for root ? ((Press y|Y for Yes, any other key for No) : y

New password:
Re-enter new password:
Estimated strength of the password: 100
```

Screen clipping taken: 2018/6/3 13:32

y

```
Do you wish to continue with the password provided?(Press y|Y for Yes, any other key for No) : y
```

Screen clipping taken: 2018/6/3 13:33

y

```
By default, a MySQL installation has an anonymous user,
allowing anyone to log into MySQL without having to have
a user account created for them. This is intended only for
testing, and to make the installation go a bit smoother.
You should remove them before moving into a production
environment.

Remove anonymous users? (Press y|Y for Yes, any other key for No) : y
Success.
```

Screen clipping taken: 2018/6/3 13:34

n

```
Normally, root should only be allowed to connect from
'localhost'. This ensures that someone cannot guess at
the root password from the network.

Disallow root login remotely? (Press y|Y for Yes, any other key for No) : n
... skipping.
```

Screen clipping taken: 2018/6/3 13:36

y

```
By default, MySQL comes with a database named 'test' that
anyone can access. This is also intended only for testing,
and should be removed before moving into a production
environment.

Remove test database and access to it? (Press y|Y for Yes, any other key for No) : y
- Dropping test database...
Success.

- Removing privileges on test database...
Success.
```

Screen clipping taken: 2018/6/3 13:37

y

```
Reloading the privilege tables will ensure that all changes
made so far will take effect immediately.

Reload privilege tables now? (Press y|Y for Yes, any other key for No) : y
Success.

All done!
[root@costaga03 ~]#
```

Screen clipping taken: 2018/6/3 13:38

登录 root 账号

mysql -u root -p

Wahsh@02

```
[root@costaga03 ~]# mysql -u root -p
Enter password:
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 15
Server version: 8.0.11 MySQL Community Server - GPL

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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>
```

Screen clipping taken: 2018/6/3 13:41

show databases;

```
mysql> show databases;
+-----+
| Database |
+-----+
| information_schema |
| mysql |
| performance_schema |
| sys |
+-----+
4 rows in set (0.00 sec)

mysql>
```

Screen clipping taken: 2018/6/3 13:42

use mysql;

```
mysql> use mysql
Reading table information for completion of table and column names
You can turn off this feature to get a quicker startup with -A

Database changed
mysql>
```

Screen clipping taken: 2018/6/3 13:42

select host, user, authentication_string, plugin from user;

```
mysql> select host, user, authentication_string, plugin from user;
```

host	user	authentication_string	plugin
localhost	mysql.infoschema	*THISISNOTAVALIDPASSWORDTHATCANBEUSEDHERE	mysql_native_password
localhost	mysql.session	*THISISNOTAVALIDPASSWORDTHATCANBEUSEDHERE	mysql_native_password
localhost	mysql.sys	*THISISNOTAVALIDPASSWORDTHATCANBEUSEDHERE	mysql_native_password
localhost	root	\$A\$005\$P9% ;&7a)Te!m%Ql0kxLIHCyF/VnUZc0GmZqCxBndCyZfKnwcUEXdN1rJC	caching_sha2_password

```
4 rows in set (0.00 sec)

mysql>
```

Screen clipping taken: 2018/6/3 13:43

```
//
root
$A$005$P9% ;&7a)Te!m%Ql0kxLIHCyF/VnUZc0GmZqCxBndCyZfKnwcUEXdN1rJC | caching_sha2_password |
$A$005$P9%;&7a)Te!m%Ql0kxLIHCyF/VnUZc0GmZqCxBndCyZfKnwcUEXdN1rJC | caching_sha2_password |
//
```

Exit mysql mode and check /etc/my.cnf
It shows as default

```
[root@costaga03 ~]# cat /etc/my.cnf
# For advice on how to change settings please see
# http://dev.mysql.com/doc/refman/8.0/en/server-configuration-defaults.html

[mysqld]
#
# Remove leading # and set to the amount of RAM for the most important data
# cache in MySQL. Start at 70% of total RAM for dedicated server, else 10%.
# innodb_buffer_pool_size = 128M
#
# Remove leading # to turn on a very important data integrity option: logging
# changes to the binary log between backups.
# log_bin
#
# Remove leading # to set options mainly useful for reporting servers.
# The server defaults are faster for transactions and fast SELECTs.
# Adjust sizes as needed, experiment to find the optimal values.
# join_buffer_size = 128M
# sort_buffer_size = 2M
# read_rnd_buffer_size = 2M
#
# Remove leading # to revert to previous value for default_authentication_plugin,
# this will increase compatibility with older clients. For background, see:
# https://dev.mysql.com/doc/refman/8.0/en/server-system-variables.html#sysvar_default_authentication_plugin
# default_authentication_plugin=mysql_native_password

datadir=/var/lib/mysql
socket=/var/lib/mysql/mysql.sock

log-error=/var/log/mysqld.log
pid-file=/var/run/mysqld/mysqld.pid
[root@costaga03 ~]#
```

Screen clipping taken: 2018/6/3 13:46

设置远程连接

注意阿里云服务器需要设置安全组放开3306端口;
改表法

use mysql;

```
mysql> use mysql
Reading table information for completion of table and column names
You can turn off this feature to get a quicker startup with -A

Database changed
```

Screen clipping taken: 2018/6/3 13:48

select host, user, authentication_string, plugin from user;

```
mysql> select host, user, authentication_string, plugin from user;
```

host	user	authentication_string	plugin
localhost	mysql.infoschema	*THISISNOTAVALIDPASSWORDTHATCANBEUSEDHERE	mysql_native_password
localhost	mysql.session	*THISISNOTAVALIDPASSWORDTHATCANBEUSEDHERE	mysql_native_password
localhost	mysql.sys	*THISISNOTAVALIDPASSWORDTHATCANBEUSEDHERE	mysql_native_password
localhost	root	\$A\$005\$P9% ;&7a)Te!m%Ql0kxLIHCyF/VnUZc0GmZqCxBndCyZfKnwcUEXdN1rJC	caching_sha2_password

```
4 rows in set (0.00 sec)
```

Screen clipping taken: 2018/6/3 13:48

```
update user set host='%' where user='root';
```

```
mysql> update user set host='%' where user='root';
Query OK, 1 row affected (0.06 sec)
Rows matched: 1  Changed: 1  Warnings: 0
```

Screen clipping taken: 2018/6/3 13:49

```
select host, user, authentication_string, plugin from user;
```

```
mysql> select host, user, authentication_string, plugin from user;
+-----+-----+-----+-----+
| host | user | authentication_string | plugin |
+-----+-----+-----+-----+
| % | root | $A$005$P9%          | caching_sha2_password |
| localhost | mysql.infoschema | *THISISNOTAVALIDPASSWORDTHATCANBEUSEDHERE | mysql_native_password |
| localhost | mysql.session | *THISISNOTAVALIDPASSWORDTHATCANBEUSEDHERE | mysql_native_password |
| localhost | mysql.sys | *THISISNOTAVALIDPASSWORDTHATCANBEUSEDHERE | mysql_native_password |
+-----+-----+-----+-----+
4 rows in set (0.00 sec)
```

Screen clipping taken: 2018/6/3 13:50

```
FLUSH PRIVILEGES;
```

```
mysql> FLUSH PRIVILEGES;
Query OK, 0 rows affected (0.00 sec)
```

Screen clipping taken: 2018/6/3 13:51

Exit mysql mode, 查看 mysql 数据库的 user 和 host 表

```
mysql -uroot -p -Dmysql -e"select user,host from user"
```

Wahsh@02

```
[root@costaq03 ~]# mysql -uroot -p -Dmysql -e"select user,host from user"
Enter password:
+-----+-----+
| user | host |
+-----+-----+
| root | % |
| mysql.infoschema | localhost |
| mysql.session | localhost |
| mysql.sys | localhost |
+-----+-----+
[root@costaq03 ~]#
```

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✓ 使用Navicat连接mysql 8

Costaq03
106.14.178.97
3306
root
Wahsh@02

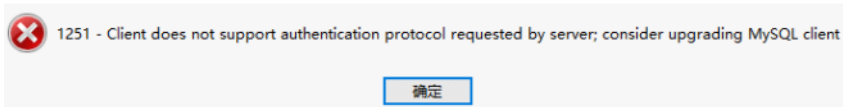
Costaq03 - 连接属性

常规	高级	SSL	SSH	HTTP
连接名: Costaq03				
主机名或 IP 地址: 106.14.178.97				
端口: 3306				
用户名: root				
密码: ●●●●●●				
<input checked="" type="checkbox"/> 保存密码				

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Error

1251 - Client does not support authentication protocol requested by server; consider upgrading MySQL client



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尝试

netstat -ntpl

```
[root@costaga03 ~]# netstat -ntpl
Active Internet connections (only servers)
Proto Recv-Q Send-Q Local Address           Foreign Address         State       PID/Program name
tcp        0      0 0.0.0.0:46319         0.0.0.0:*               LISTEN      11723/rpc.statd
tcp        0      0 0.0.0.0:111          0.0.0.0:*               LISTEN      11688/rpcbind
tcp        0      0 0.0.0.0:80           0.0.0.0:*               LISTEN      31297/nginx: master
tcp        0      0 0.0.0.0:20048        0.0.0.0:*               LISTEN      11736/rpc.mountd
tcp        0      0 0.0.0.0:22           0.0.0.0:*               LISTEN      1946/sshd
tcp        0      0 0.0.0.0:41914        0.0.0.0:*               LISTEN      -
tcp        0      0 0.0.0.0:2049         0.0.0.0:*               LISTEN      -
tcp        0      0 127.0.0.1:5000        0.0.0.0:*               LISTEN      1531/dotnet
tcp6       0      0 :::48558              :::*                     LISTEN      11723/rpc.statd
tcp6       0      0 :::111                :::*                     LISTEN      11688/rpcbind
tcp6       0      0 :::80                 :::*                     LISTEN      31297/nginx: master
tcp6       0      0 :::20048              :::*                     LISTEN      11736/rpc.mountd
tcp6       0      0 :::2049               :::*                     LISTEN      -
tcp6       0      0 :::33060              :::*                     LISTEN      26475/mysqld
tcp6       0      0 :::37063              :::*                     LISTEN      -
tcp6       0      0 :::3306               :::*                     LISTEN      26475/mysqld
```

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show grants for 'root'@'%';

```
mysql> use mysql
Reading table information for completion of table and column names
You can turn off this feature to get a quicker startup with -A

Database changed
mysql>
mysql>
mysql> show grants for 'root'@'%';
+-----+
| Grants for root@% |
+-----+
|
+-----+
| GRANT SELECT, INSERT, UPDATE, DELETE, CREATE, DROP, RELOAD, SHUTDOWN, PROCESS, FILE, REFERENCES, INDEX, ALTER, SHOW DATABASES, SUPER, CREATE TEMPORARY TABLES, LOCK TABLES, EXECUTE, REPLICATION SLAVE, REPLICATION CLIENT, CREATE VIEW, SHOW VIEW, CREATE ROUTINE, ALTER ROUTINE, CREATE USER, EVENT, TRIGGER, CREATE TABLESPACE, CREATE ROLE, DROP ROLE ON *.* TO 'root'@ '%' WITH GRANT OPTION |
+-----+
1 row in set (0.00 sec)

mysql>
```

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★ 修改密码方式

select host, user, authentication_string, plugin from user;

```
mysql> select host, user, authentication_string, plugin from user;
+-----+-----+-----+-----+
| host | user | authentication_string | plugin |
+-----+-----+-----+-----+
| % | root | $A$005$P9% | caching_sha2_password |
+-----+-----+-----+-----+
| localhost | mysql.infoschema | *THISISNOTAVALIDPASSWORDTHATCANBEUSEDHERE | mysql_native_password |
| localhost | mysql.session | *THISISNOTAVALIDPASSWORDTHATCANBEUSEDHERE | mysql_native_password |
| localhost | mysql.sys | *THISISNOTAVALIDPASSWORDTHATCANBEUSEDHERE | mysql_native_password |
+-----+-----+-----+-----+
4 rows in set (0.00 sec)
```

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alter user 'root'@'%' identified with mysql_native_password by 'Wahsh@02';

or

ALTER USER 'root'@'%' IDENTIFIED WITH mysql_native_password BY 'Wahsh@02';

```
mysql> alter user 'root'@'%' identified with mysql_native_password by 'Wahsh@02';
Query OK, 0 rows affected (0.05 sec)
```

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select host, user, authentication_string, plugin from user;

```
mysql> select host, user, authentication_string, plugin from user;
```

host	user	authentication_string	plugin
%	root	*5C278C5B1ED27E86B0E4920881002250321BCE60	mysql_native_password
localhost	mysql.infoschema	*THISISNOTAVALIDPASSWORDTHATCANBEUSEDHERE	mysql_native_password
localhost	mysql.session	*THISISNOTAVALIDPASSWORDTHATCANBEUSEDHERE	mysql_native_password
localhost	mysql.sys	*THISISNOTAVALIDPASSWORDTHATCANBEUSEDHERE	mysql_native_password

4 rows in set (0.00 sec)

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FLUSH PRIVILEGES;

```
mysql> FLUSH PRIVILEGES;
```

Query OK, 0 rows affected (0.00 sec)

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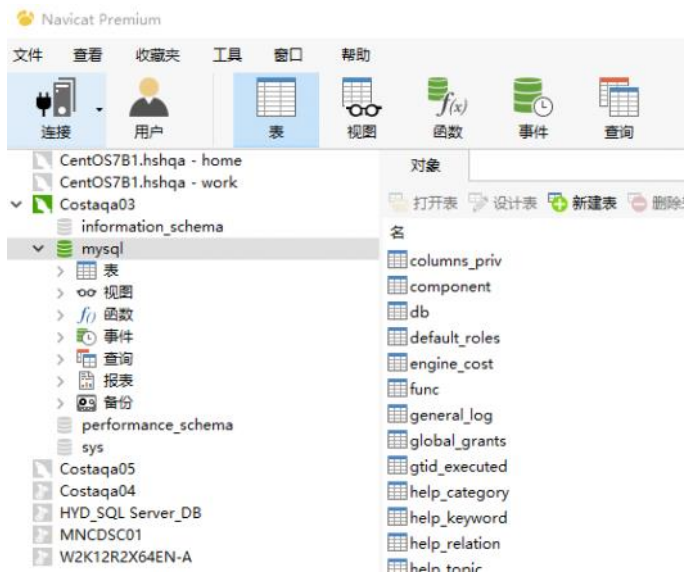
Exit mysql mode

service mysqld restart

```
mysql>
[1]+  Stopped                  mysql -u root -p
[root@costaqa03 ~]# service mysqld restart
Redirecting to /bin/systemctl restart mysqld.service
[root@costaqa03 ~]#
```

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再次通过 Navicat 登录 mysql 成功



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☒ Add root password to /root/.my.cnf

cd

touch .my.cnf

vim .my.cnf

```
[client]
user=root
password=Wahsh@02
socket=/var/lib/mysql/mysql.sock
```

```
[client]
user=root
password=Wahsh@02
socket=/var/lib/mysql/mysql.sock
[]
~
```

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ls -a

```
[root@costaqa03 ~]# ls -a
.          .bash_profile  .dotnet          .mysql_history  run.sh
..         .bashrc        .lessht         .nuget          .ssh
.aspNet    .cache         .local          .pip            .tcshrc
.bash_history .config       .my.cnf         .pki            .viminfo
.bash_logout .cshrc        mysql80-community-release-el7-1.noarch.rpm .pydistutils.cfg .viminfo.tmp
[root@costaqa03 ~]# []
```

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cat .my.cnf

```
[root@costaqa03 ~]# cat .my.cnf
[client]
user=root
password=Wahsh@02
socket=/var/lib/mysql/mysql.sock
[root@costaqa03 ~]# []
```

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service mysqld restart

```
socket=/var/lib/mysql/mysql.sock
[root@costaqa03 ~]# service mysqld restart
Redirecting to /bin/systemctl restart mysqld.service
```

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mysql

```
[root@costaqa03 ~]# mysql
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 8
Server version: 8.0.11 MySQL Community Server - GPL

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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>
```

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```
-----
-----
```