MariaBD 数据库基础

1.安装数据库软件

```
[root@server0 ~]# yum repolist 🗲
已加载插件:langpacks
rhel_dvd
                                              | 4.1 kB
                                                          00:00
                                                | 134 kB
(1/2): rhel_dvd/group_gz
                                                          00:00
(2/2): rhel_dvd/primary_db
                                                 3.4 MB
                                                          00: 00
源标识
                                                              状态
                     源名称
                                                               4, 305
rhel_dvd
                     Remote classroom copy of dvd
repolist: 4,305
root@server0 ~] # yum - y install mariadb-server ----
己加载插件: langpacks
正在解决依赖关系
```

2.重启数据库服务

```
完毕!
[root@server0 ~]# systemctl restart mariadb ————
```

3.进入数据库

```
[root@server0 ~] # mysql Welcome to the MariaDB monitor. Commands end with ; or \g.
Welcome to the MariaDB monitor. Commands end with ; or \g.
Your MariaDB connection id is 2
Server version: 5.5.35-MariaDB MariaDB Server

Copyright (c) 2000, 2013, Oracle, Monty Program Ab and others.

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

MariaDB [(none)] >
```

```
MariaDB [(none)]> drop database nsd;
Query OK, O rows affected (0.01 sec)
//删除数据库
```

为数据库帐号修改密码

Mysqladmin [-u 用户名] [-p[旧密码]] password '新密码';

4. 创建用户和密码并登陆

```
[root@server0 ~] # mysqladmin - u root password '123'
[root@server0 ~] # mysql - u root - p123
Welcome to the MariaDB monitor. Commands end with ; or \g.
Your MariaDB connection id is 4
Server version: 5.5.35-MariaDB MariaDB Server

Copyright (c) 2000, 2013, Oracle, Monty Program Ab and others.

Type 'help;' or '\h' for help. Type '\c' to clear the current input stat ement.
```

5.导入数据到新建的库中 nsd1711

```
[ root@server0 ~]# wget http://172.25.254.254/pub/materials/users.sql —
--2017-12-27 15:37:03-- http://172.25.254.254/pub/materials/users.sql
正在连接 172.25.254.254:80... 已连接。
```

```
[root@server0 ~]# mysql -u root -p123 nsd1711 < users.sql*
[root@server0 ~]# mysql -u root -p123
Welcome to the MariaDB monitor.
                                Commands end with; or \g.
Your MariaDB connection id is 6
Server version: 5.5.35-MariaDB MariaDB Server
Copyright (c) 2000, 2013, Oracle, Monty Program Ab and others.
Type 'help;' or '\h' for help. Type '\c' to clear the current input stat
ement.
MariaDB [(none)]> show databases;
 Database
 information_schema
 mysql
 nsd1711
 performance_schema
 test
5 rows in set (0.00 sec)
```

```
MariaDB [(none)] > use nsd1711; 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
MariaDB [nsd1711] > show tables; Reading tables in a set (negative to get a quicker startup with - A

Database changed
MariaDB [nsd1711] > show tables; Reading table t
```

6.数据库的授权

除了 root 用户,此 nsd1711 数据库只能被用户 dc 查询,此用户的密码为 123 grant select on nsd1711.* to dc@localhost indentified by '123'; 当 dc 用户从 localhost 登陆输入密码 123 验证成功,将会获得 nsd1711 库中所有的表的查询权限。

7.有条件的查询 where

```
MariaDB [nsd1711] > select * from base where password='123';
+----+---+----+
| id | name | password |
+----+----+----+
| 1 | Tom | 123 |
+----+----+-----+
1 row in set (0.01 sec)
```

```
MariaDB [nsd1711] > select name from base where password='123';
+----+
| name |
+----+
| Tom |
+----+
1 row in set (0.00 sec)
```

8.多条件的查询

```
MariaDB [nsd1711] > select * from base where password='123' and name='tom';
+----+----+----+
| id | name | password |
+----+----+
| 1 | Tom | 123 |
+----+----+
1 row in set (0.00 sec)
```

10.禁止空密码 root 用户访问 mariadb 数据库

```
MariaDB [nsd1711] > select user, host, password from mysql.user;
 user | host
                             password
 -----
                             *23AE809DDACAF96AF0FD78ED04B6A265E05AA257
        localhost
 root |
  root
        serverO.example.com
        127. 0. 0. 1
  root
  root |
         ::1
         localhost
        server0.example.com
       localhost
                             *23AE809DDACAF96AF0FD78ED04B6A265E05AA257
  dc
7 rows in set (0.00 sec)
MariaDB [nsd1711] > select user, host, password from mysql.user where password='';
                           | password |
 user | host
 root
       serverO.example.com
 root |
       127. 0. 0. 1
  root |
        ::1
        localhost
       serverO.example.com
5 rows in set (0.00 sec)
MariaDB [nsd1711] > delete from mysql.user where password='';
Query OK, 5 rows affected (0.00 sec)
MariaDB [nsd1711]> select user, host, password from mysql.user;
 user | host | password
  root | localhost | *23AE809DDACAF96AF0FD78ED04B6A265E05AA257
  dc | localhost | *23AE809DDACAF96AF0FD78ED04B6A265E05AA257
2 rows in set (0.00 sec)
MariaDB [nsd1711]> flush privileges;
Query OK, O rows affected (0.00 sec)
MariaDB [nsd1711]> quit
Bye
[root@server0 ~]# mysql -u root -h server0.example.com <del>| 関試不可以登陆为正确</del>
ERROR 1130 (HY000): Host 'server0.example.com' is not allowed to connect to this Mari
aDB server
```