一、创建用户：

1. 用root用户登录mysql

shell> mysql -uroot –p

Enter password:

Welcome to the MySQL monitor. Commands end with ; or \g.

Your MySQL connection id is 20

Server version: 5.7.19-log MySQL Community Server (GPL)

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

mysql>

1. 创建普通用户：

mysql> create user 'dfworks'@'%' identified by 'dfworkspwd';

Query OK, 0 rows affected (0.01 sec)

创建升级用户：

mysql> create user 'dfworks\_upgrade'@'localhost' identified by 'dfworks\_upgradepwd';

Query OK, 0 rows affected (0.01 sec)

说明：dfworks表示你将创建的用户名,

%指定该用户在哪个主机上可以登陆，此处如果是"localhost"，是指该用户只能在本地登录，不能在另外一台机器上远程登录；如果想远程登录的话，将"localhost"改为"%"，表示在任何一台电脑上都可以登录;也可以指定某台机器可以远程登录;

dfworkspwd - 该用户的登陆密码,密码可以为空,如果为空则该用户可以不需要密码登陆服务器。

如果用户创建错了，肯定要支持删除操作，使用命令：

mysql> drop user 'dfworks'@'%';

Query OK, 0 rows affected (0.00 sec)

1. 创建数据库

mysql> create database new\_dfworks character set 'utf8' collate 'utf8\_general\_ci';  
Query OK, 1 row affected (0.02 sec)

注意：数据库名称不能用”-“，否则在给用户赋权限的时候会报错。

也可删除库

mysql> drop database new\_dfworks;

Query OK, 0 rows affected (0.10 sec)

1. 为新建用户赋权限

授权dfworks用户有dfworks数据库的某一部分权限：

mysql> grant select,update on dfworks.\* to dfworks@'%' identified by 'dfworkspwd';

Query OK, 0 rows affected, 1 warning (0.01 sec)

授权dfworks用户有dfworks数据库的所有操作权限：

mysql> grant all privileges on dfworks.\* to dfworks@'%' identified by 'dfworkspwd';

Query OK, 0 rows affected, 1 warning (0.01 sec)

授权dfworks用户拥有所有数据库的某些权限：

mysql> grant select,delete,update,create,drop on \*.\* to dfworks@'%' identified by 'dfworkspwd';

Query OK, 0 rows affected, 1 warning (0.01 sec)

privileges - 用户的操作权限,如select,delete,update,create,drop等(详细列表可参考mysql官方文档，附表1是引用的官方文档5.7的。)；

如果要授予所有的权限可使用all（参考第二种授权方式）;

% 表示对所有非本地主机授权，不包括localhost。

授权成功后刷新下权限

mysql> flush privileges;

Query OK, 0 rows affected (0.01 sec)

刷新权限后可以查看当前用户权限或者指定的用户权限

mysql> show grants;  
+-------------------------------------------------------------+  
| Grants for root@% |  
+-------------------------------------------------------------+  
| GRANT ALL PRIVILEGES ON \*.\* TO 'root'@'%' WITH GRANT OPTION |  
+-------------------------------------------------------------+  
1 row in set (0.00 sec)  
  
mysql> show grants for allp;  
+---------------------------------------------------+  
| Grants for allp@% |  
+---------------------------------------------------+  
| GRANT ALL PRIVILEGES ON \*.\* TO 'allp'@'%' |  
| GRANT ALL PRIVILEGES ON `allp\_db`.\* TO 'allp'@'%' |  
+---------------------------------------------------+  
2 rows in set (0.00 sec)

查看指定用户的权限

删除指定用户的指定权限

mysql> show grants for dfworks;

mysql> revoke select ON new\_dfworks.\* FROM dfworks@'%';

附表 1

| **Privilege** | **Meaning and Grantable Levels** |
| --- | --- |
| **ALL [PRIVILEGES]** | Grant all privileges at specified access level except **GRANT OPTION** |
| **ALTER** | Enable use of **ALTER TABLE**. Levels: Global, database, table. |
| **ALTER ROUTINE** | Enable stored routines to be altered or dropped. Levels: Global, database, procedure. |
| **CREATE** | Enable database and table creation. Levels: Global, database, table. |
| **CREATE ROUTINE** | Enable stored routine creation. Levels: Global, database. |
| **CREATE TABLESPACE** | Enable tablespaces and log file groups to be created, altered, or dropped. Level: Global. |
| **CREATE TEMPORARY TABLES** | Enable use of **CREATE TEMPORARY TABLE**. Levels: Global, database. |
| **CREATE USER** | Enable use of **CREATE USER**, **DROP USER**, **RENAME USER**, and **REVOKE ALL PRIVILEGES**. Level: Global. |
| **CREATE VIEW** | Enable views to be created or altered. Levels: Global, database, table. |
| **DELETE** | Enable use of **DELETE**. Level: Global, database, table. |
| **DROP** | Enable databases, tables, and views to be dropped. Levels: Global, database, table. |
| **EVENT** | Enable use of events for the Event Scheduler. Levels: Global, database. |
| **EXECUTE** | Enable the user to execute stored routines. Levels: Global, database, table. |
| **FILE** | Enable the user to cause the server to read or write files. Level: Global. |
| **GRANT OPTION** | Enable privileges to be granted to or removed from other accounts. Levels: Global, database, table, procedure, proxy. |
| **INDEX** | Enable indexes to be created or dropped. Levels: Global, database, table. |
| **INSERT** | Enable use of **INSERT**. Levels: Global, database, table, column. |
| **LOCK TABLES** | Enable use of **LOCK TABLES** on tables for which you have the **SELECT** privilege. Levels: Global, database. |
| **PROCESS** | Enable the user to see all processes with **SHOW PROCESSLIST**. Level: Global. |
| **PROXY** | Enable user proxying. Level: From user to user. |
| **REFERENCES** | Enable foreign key creation. Levels: Global, database, table, column. |
| **RELOAD** | Enable use of **FLUSH** operations. Level: Global. |
| **REPLICATION CLIENT** | Enable the user to ask where master or slave servers are. Level: Global. |
| **REPLICATION SLAVE** | Enable replication slaves to read binary log events from the master. Level: Global. |
| **SELECT** | Enable use of **SELECT**. Levels: Global, database, table, column. |
| **SHOW DATABASES** | Enable **SHOW DATABASES** to show all databases. Level: Global. |
| **SHOW VIEW** | Enable use of **SHOW CREATE VIEW**. Levels: Global, database, table. |
| **SHUTDOWN** | Enable use of **mysqladmin shutdown**. Level: Global. |
| **SUPER** | Enable use of other administrative operations such as **CHANGE MASTER TO**, **KILL**, **PURGE BINARY LOGS**, **SET GLOBAL**, and **mysqladmin debug** command. Level: Global. |
| **TRIGGER** | Enable trigger operations. Levels: Global, database, table. |
| **UPDATE** | Enable use of **UPDATE**. Levels: Global, database, table, column. |
| **USAGE** | Synonym for “no privileges” |

其它操作：

1. 备份mysql（shell命令行下执行）：

shell> mysqldump –uroot -p dfworks>/home/root/dfworks.sql

Enter password:

备份数据库的指定表的结构和数据：

mysqldump dfworks -uroot -p --tables user\_info project >e:/aaa.sql

备份数据库，除指定的表除外：

mysqldump dfworks --ignore-table dfworks.user\_info --ignore-table dfworks.project -uroot -p > e:/aaa.sql

备份指定的多个数据库的表结构和数据：

mysqldump --databases airflow dfworks -uroot -p > e:/aaa.sql

还原mysql（mysql命令行下执行）：

1. 登录mysql：**mysql -uroot –p**
2. 切换到需要还原的数据库：**use new\_dfworks;**

mysql> use new\_dfworks;

Database changed

1. 执行还原的命令：**source /home/root/dfworks.sql**

mysql> source /home/dfworks.sql

Query OK, 0 rows affected (0.00 sec)

Query OK, 0 rows affected (0.01 sec)

Query OK, 0 rows affected (0.00 sec)

Query OK, 0 rows affected (0.00 sec)

Query OK, 0 rows affected (0.00 sec)

Query OK, 0 rows affected (0.00 sec)

Query OK, 0 rows affected (0.00 sec)

Query OK, 0 rows affected (0.00 sec)

Query OK, 0 rows affected, 1 warning (0.00 sec)

Query OK, 0 rows affected (0.00 sec)

Query OK, 0 rows affected (0.00 sec)

Query OK, 0 rows affected, 1 warning (0.00 sec)

Query OK, 0 rows affected (0.00 sec)

Query OK, 0 rows affected (0.00 sec)

Query OK, 0 rows affected (0.00 sec)

Query OK, 0 rows affected (0.00 sec)

Query OK, 0 rows affected (0.00 sec)

Query OK, 0 rows affected (0.00 sec)

获取当前时间：

mysql> select now();

+---------------------+

| now() |

+---------------------+

| 2018-07-30 17:25:31 |

+---------------------+

1 row in set (0.01 sec)

查看版本号：

mysql> select version();

+------------+

| version() |

+------------+

| 5.7.19-log |

+------------+

1 row in set (0.01 sec)

或

shell> mysql -V

mysql Ver 14.14 Distrib 5.7.19, for linux-glibc2.12 (x86\_64) using EditLine wrapper

或

mysql> status  
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mysql Ver 14.14 Distrib 5.7.19, for linux-glibc2.12 (x86\_64) using EditLine wrapper  
  
Connection id: 29  
Current database: dfworks  
Current user: root@localhost  
SSL: Not in use  
Current pager: stdout  
Using outfile: ''  
Using delimiter: ;  
Server version: 5.7.19-log MySQL Community Server (GPL)  
Protocol version: 10  
Connection: Localhost via UNIX socket  
Server characterset: utf8mb4  
Db characterset: utf8  
Client characterset: utf8  
Conn. characterset: utf8  
UNIX socket: /opt/mysql/mysql-5.7.19-linux-glibc2.12-x86\_64/run/mysql.sock  
Uptime: 5 days 7 hours 7 min 52 sec  
  
Threads: 1 Questions: 175 Slow queries: 0 Opens: 169 Flush tables: 1 Open tables: 162 Queries per second avg: 0.000  
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或

mysql> show variables like "%version%";  
+-------------------------+------------------------------+  
| Variable\_name | Value |  
+-------------------------+------------------------------+  
| innodb\_version | 5.7.19 |  
| protocol\_version | 10 |  
| slave\_type\_conversions | |  
| tls\_version | TLSv1,TLSv1.1 |  
| version | 5.7.19-log |  
| version\_comment | MySQL Community Server (GPL) |  
| version\_compile\_machine | x86\_64 |  
| version\_compile\_os | linux-glibc2.12 |  
+-------------------------+------------------------------+  
8 rows in set (0.02 sec)