1 CheatSheet: MySql & PSQL

Tools

Updated: July 12, 2019

- PDF Link: cheatsheet-mysql-A4.pdf, Category: tools
- Blog URL: https://cheatsheet.dennyzhang.com/cheatsheet-mysql-A4
- \bullet Related posts: CheatSheet: shell, #denny-cheatsheets

File me Issues or star this repo.

1.1 Mysql Packages

Name	Command
Install mysql server	apt-get install mysql-server
Install mysql client	apt-get install mysql-client libmysqlclient-dev, yum install mysql-devel
Install python mysql library	easy_install mysql-python

1.2 Mysql Basic

Name	Command
mysql connect	mysql -u\$username -p\$password -P\$port -h\$dbhost \$dbname
database encoding	set names utf8;
List databases	show databases;
List tables for current db	show tables;
Check table definition	describe \$tablename;
Run sql in non-interactive way	mysql -uUSER -pPASSWORD databasename -e "select * from t limit 10"

1.3 DB Management

Name	Command
Import db	mysql -uUSER -pPASSWORD dbname < backup.sql
export db	mysqldump -uUSER -pPASSWORD DATABASE > backup.sql
export db without schema	mysqldump -uUSER -pPASSWORD DATABASEno-data=trueadd-drop-table=false > backup.
Grant access	GRANT SUPER ON 'DBNAME'.'user' TO 'DBUSER'@'%'
Add column	ALTER TABLE expenses ADD COLUMN createtime timestamp not null default now();
Delete Column	ALTER TABLE expenses DROP COLUMN createtime;
Delete index	DROP INDEX indexname ON table_name;
Create index	<pre>create index idindex on table_name(col_name) using btree;</pre>
Reset password	UPDATE mysql.user SET Password=PASSWORD('MyNewPass') WHERE User='root'; FLUSH Pl

1.4 SQL Statement

Name	Command
Select with regexp in where clause	select * from expenses where date regexp '2013-0[4-5]' limit 2;
Select with like in where clause	select * from expenses where date like '2013-0%' limit 2;
Select unix timestamp	<pre>select unix_timestamp(createtime) from expenses limit 1;</pre>
Offset limit	select * from student limit 4 offset 9
Use replace function	<pre>UPDATE tb1 SET f1=REPLACE(f1, 'abc', 'def');</pre>
Use if function	select Db, IF(IFNULL(User, "")="", DB, User) from db;

1.5 PSQL/Postgres

Name	Command
Install postgres in Ubuntu	apt-get install postgresql postgresql-client postgresql-contrib
Install postgres in Mac OS	brew install postgres
Check postgres status	service postgresql status
Check version	psqlversion
Connect postgresql	psql -U postgres
Create user	CREATE USER tom WITH PASSWORD ";
Grant access	GRANT ALL PRIVILEGES ON DATABASE launchpad_empty to tom;
Postgres configuration	/var/lib/pgsql/data/pg_hba.conf, /etc/postgresql/*/main/postgresql.conf
Promote to super admin	ALTER USER myuser WITH SUPERUSER;
List datbases	\1
List all tables in a database	\d
Change database	\connect launchpad_dev;
Show tables	\ds
Copy databse	createdb -O root -T launchpad_dev launchpad_ustack_cn
Drop database	<pre>drop database launchpad_ustack_cn;</pre>
Connect db	psql -h myhost -d mydb -U myuser -W
Create user	CREATE USER tom WITH PASSWORD 'myPassword';
Create db	CREATE DATABASE jerry;

1.6 More Resources

License: Code is licenmysql under MIT License.

Updated: July 12, 2019