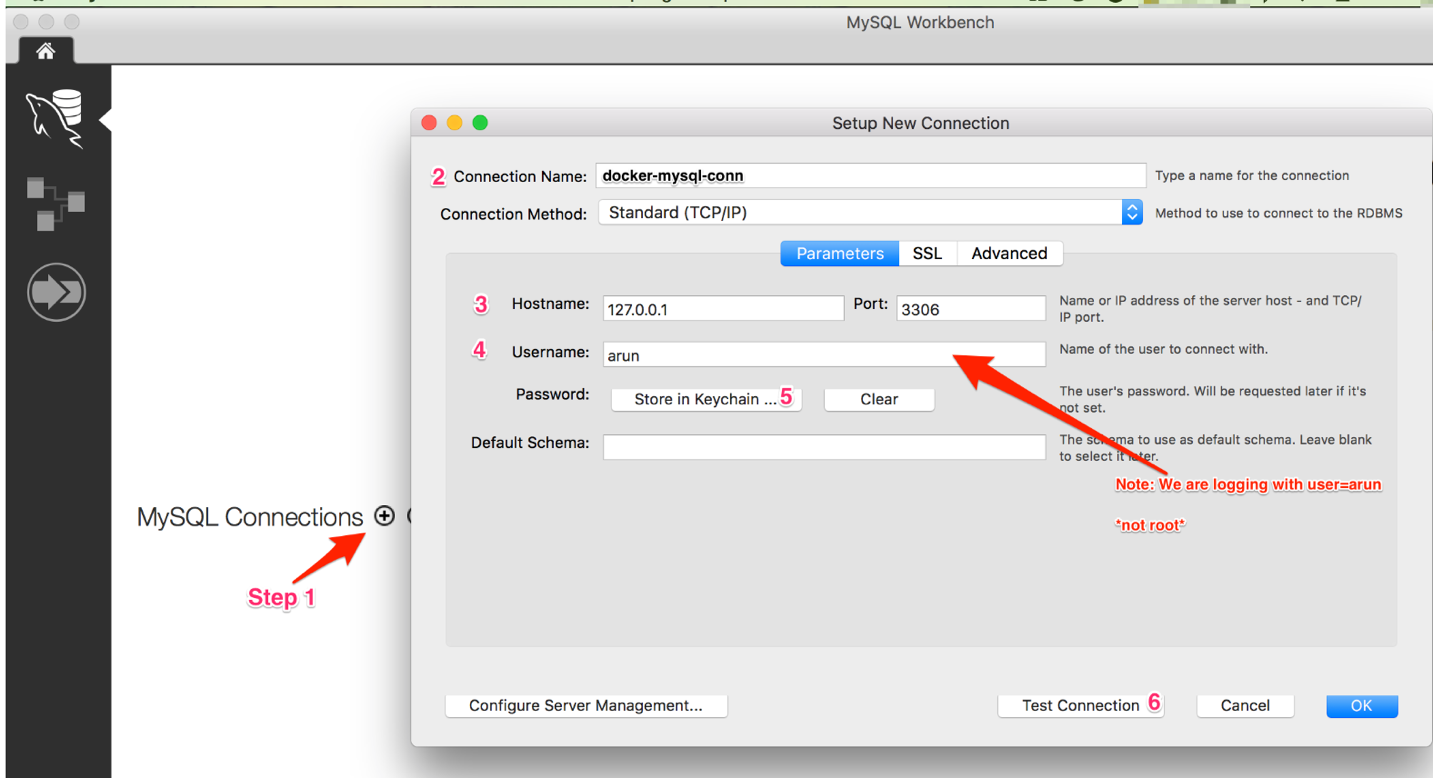
**DOCKER**

* View downloaded images: docker images
* View all containers: docker container ls -a
* View all running containers: docker container ls -a
* Start a container: docker start CONTAINER\_NAME
* Stop a container: docker stop CONTAINER\_NAME
* Remove a container: docker rm CONTAINER\_ID

<https://dzone.com/articles/docker-for-mac-mysql-setup>

arun

password



**BACKUP MSSQL**

macs-MacBook-Pro:~ macos$ docker exec -it vy\_sql\_server bash

mssql@4444fe7fe00f:/$ create database SQLVY;

mssql@4444fe7fe00f:/$ /opt/mssql-tools/bin/sqlcmd -S localhost -U sa

Password: matkhaucuaban

1> use master;

2> go

Changed database context to 'master'.

1> create database SQLVY;

2> go

1> use SQLVY;

2> go

Changed database context to 'SQLVY'.

1> create table SQLA(id int, name varchar(20));

2> go

1> insert into SQLA values(1,'Le Van Vy');

2> go

(1 rows affected)

1> BACKUP DATABASE SQLVY to DISK=N'/var/opt/mssql/backup/SQLVY.bak' WITH FORMAT,INIT,STATS=10

2> go

12 percent processed.

22 percent processed.

31 percent processed.

41 percent processed.

51 percent processed.

61 percent processed.

71 percent processed.

80 percent processed.

90 percent processed.

100 percent processed.

Processed 336 pages for database 'SQLVY', file 'SQLVY' on file 1.

Processed 2 pages for database 'SQLVY', file 'SQLVY\_log' on file 1.

BACKUP DATABASE successfully processed 338 pages in 0.041 seconds (64.310 MB/sec).

STOP TERMINAL

macs-MacBook-Pro:~ macos$ docker exec -it vy\_sql\_server bash

mssql@4444fe7fe00f:/$ ls /var/opt/mssql/backup/ -l

total 2804

-rw-r----- 1 mssql root 2871296 Nov 18 10:34 SQLVY.bak

mssql@4444fe7fe00f:/$ exit

exit

macs-MacBook-Pro:~ macos$ docker cp vy\_sql\_server:/var/opt/mssql/backup/SQLVY.bak /tmp/ move to tmp folder

macs-MacBook-Pro:~ macos$ ls -l /tmp/SQLVY.bak

-rw-r----- 1 macos wheel 2871296 Nov 18 17:34 /tmp/SQLVY.bak

macs-MacBook-Pro:~ macos$

finder => cmd – shift – g => /tmp/

<https://www.sqlshack.com/understanding-backup-and-restore-operations-in-sql-server-docker-containers/>

Tao container:

sudo docker run -e "ACCEPT\_EULA=Y" -e "MSSQL\_SA\_PASSWORD=LeVy@123456" \-p 1403:1433 --name CTNDEMO --hostname CTNDEMO \-d \mcr.microsoft.com/mssql/server:2019-latest

sudo docker run -e "ACCEPT\_EULA=Y" -e "MSSQL\_SA\_PASSWORD=LeVy@123456" \-p 1401:1433 --name CTNDEMO --hostname CTNDEMO \-d \mcr.microsoft.com/mssql/server:2019-latest

tham khao:

<https://learn.microsoft.com/en-us/sql/linux/quickstart-install-connect-docker?view=sql-server-ver15&preserve-view=true&pivots=cs1-bash>

docker container ls -a

**RESTORE:**

docker cp /tmp/LECTURE2.bak CTNDEMO:var/opt/mssql/data/

docker exec -it CTNDEMO bash

/opt/mssql-tools/bin/sqlcmd -S localhost -U sa

use master

RESTORE DATABASE LECTURE FROM DISK = N'/var/opt/mssql/data/LECTURE2.bak' with REPLACE;

WITH MYSQL;

docker exec -it mysql bash

mysql -uarun -ppassword

use sys;

SHOW DATABASEs;

Use ….;

SELECT table\_name FROM information\_schema.tables;

**TAO MYSQL CONTAINER:**

docker run --detach --name=mysql-docker-local-vyle -p 13306:3306 --env=’MYSQL\_ROOT\_PASSWORD=1234’ mysql

docker exec -it mysql-docker-local bash

mysql -uroot -p1234

use sys;

show databases;

use da tao ra;

Day la Backup

docker exec 6627799fc9b8 mysqldump -u arun --password=password ABC > backupnevy.sql => save at $HOME

trong do: ABC la database name, backupnevy la file backup, 6627799fc9b8 la container ID.

or

cd ~/Desktop/

mkdir dbbackup

cd dbbackup

ls -la

clear

docker exec 6627799fc9b8 mysqldump -u arun --password=password ABC > backupnevy.sql

**Day la Restore**

Muon Restore Phai tao ra DataBase Truoc trong SQL;

cat backupnevy.sql | docker exec -i mysql-docker-local3 mysql -u root --password=1234 ABCBACKUP

backupnevy.sql: file sql da backup trong $HOME

mysql-docker-local3: ten Container

ABCBACKUP: Ten Database da tao truoc