

# Docker

- description :
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- lastupdate : 2020-12-14

가?

## CentOS

- docker pull [image]
  - dockerhub
- docker images
  -
- docker run [option] [image]
  - 
  - pull
- docker ps [option]
  -
- docker rm [id|name]
  -
- ex1) docker rm competent\_perlman
- ex2) docker rm e56af772c419
- docker rmi [image]
  - 
  - ex) docker rmi hello-world
- docker start [container]
  - 
  - ex) docker start hello-world
  - run pull + start, , container 가 start가
  - start container가 stop
- docker stop [container]
  - 
  - ex) docker stop hello-world

- start running docker container
- docker exec -it [container] bash
  - 
  - ex) docker exec hello-world bash
- - (scp )

```
$> sudo docker cp [host ] [container name]:[container ]
```

\* docker cp -

## MariaDB

- 

```
1. (Ubuntu 20.04.1 LTS )
C:\User\jurepi> docker pull mariadb
2. 가
C:\User\jurepi> docker image ls
3.
C:\User\jurepi> docker run --name mariadb -d -p 3306:3306 -e
MYSQL_ROOT_PASSWORD=mariadb mariadb
--name :
-d :
-p : port
-e :
4.
C:\User\jurepi> docker ps
5.
C:\User\jurepi> docker exec -it mariadb /bin/bash
```

### (Ubuntu)

```
1.
root@jurepi:/# mysql -u root -p mariadb
2. vi
root@jurepi:/# apt-get update && apt-get install vim
3. global conf 가
root@jurepi:/# vi /etc/mysql/my.cnf
[client]
default-character-set = utf8mb4
```

```
[mysql]
default-character-set = utf8mb4

[mysqld]
character-set-client-handshake = FALSE
character-set-server = utf8mb4
collation-server = utf8mb4_unicode_ci
```

## Linux

docker-compose.yml

```
version: '3.8'

services:
  centos8:
    hostname: centos8
    container_name: centos8
    privileged: true
    user: root
    build:
      context: .
      dockerfile: Dockerfile
    stdin_open: true
    tty: true
    volumes:
      - ./data:/data
    ports:
      - '2228:22'
      - '2280:80'
      - '2281:7000'
      - '2282:7001'
      - '2283:7002'
      - '2284:7003'
      - '2285:7004'
    expose:
      - '2228'
      - '2280'
      - '2281'
      - '2282'
      - '2283'
      - '2284'
      - '2285'
    command: /sbin/init
```

Dockerfile

```
FROM centos:8
```

WORKDIR /

```
$> docker-compose up -d
```

```
$> yum install -y openssh-server  
$> vi /etc/ssh/sshd_config <-  
  
$> yum install -y passwd  
$> /usr/sbin/useradd www <-  
$> yum install -y net-tools  
$> yum install -y make gcc gcc-c++ libstdc++-devel  
$> yum install -y unzip file cronie mlocate binutils
```

## Ref

- [\[Docker\] Window Docker mariadb](#)
- [\[ \] Windows 10](#)
- [\[ \]](#)
- [\[Docker\] / / \(ubuntu\)](#)
- [2 :](#)
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