

# IT 네트워크 시스템 *IT Network Systems* *Administration*

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✦ - Worldskills Korea - Assessment Task (IT Network Systems) -  [ Written by NullBins ]

- By default, the commands are executed as a root user.

## [ Project-1 ] < Linux Environments >

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### 9. Docker 서버 구성 (Docker Service Configuration)

- ✦ DONG-SRV2 에서 Docker 및 MySQL 서비스 구성 구성 시 패키지 도구는 [docker.io](https://docs.docker.com/engine/install/linux-postinstall/#manage-docker-as-a-service)를 사용함.

#### < Configuration >

- [ DONG-SRV2 ]

```
apt install docker* mariadb-client -y
docker load -i /mnt/mysql.tar
```

```
vim /etc/docker/daemon.json
```

```
{
  "insecure-registries":["192.168.1.2:5000"]
}
```

```
vim /etc/docker/registry/config.yaml
```

```
# auth:
#   htpasswd:
#     realm: basic-realm
#     path: /etc/docker/registry
```

```
systemctl restart docker
systemctl restart docker-registry
docker image tag mysql:latest 192.168.1.2:5000/mysql:latest
docker push 192.168.1.2:5000/mysql:latest
docker rmi 192.168.1.2:5000/mysql:latest
docker rmi mysql:latest
docker run -d --name MYSQL --hostname mysql --restart always -p 3306:3306 -e
MYSQL_ROOT_PASSWORD=Skill39 192.168.1.2:5000/mysql:latest
docker exec -it MYSQL mysql -u root -pSkill39
```

```
>create database WEB;
>create database MAIL;
>grant all privileges on *.* to 'root'@'%';
>flush privileges;
>exit
```

```
vim /root/web.sql
```

```
create table web(
    username varchar(100) primary key not null,
    passwd varchar(100) not null
)
```

```
vim /root/mail.sql
```

```
create table mail(
    userid varchar(100) not null,
    uid int(100) primary key not null,
    gid int(100) not null default 65534,
    homedir varchar(100) not null,
    domain varchar(100) not null default 'donghyun.net',
    password varchar(100) not null default 'Skill39'
)
```

```
mysql -h 192.168.1.2 -u root -pSkill39 WEB < /root/web.sql
mysql -h 192.168.1.2 -u root -pSkill39 MAIL < /root/mail.sql
```

```
docker cp MYSQL:/etc/my.cnf /root/
```

```
vim /root/my.cnf
```

```
[mysqld]
#secure-file-priv=/var/lib/mysql-files
general_log = 1
general_log_file = /var/log/mysql/mysql-container.log
```

```
docker cp /root/my.cnf MYSQL:/etc/
docker exec -it MYSQL bash
```

```
mkdir -p /var/log/mysql
touch /var/log/mysql/mysql-container.log
exit
```

```
docker restart MYSQL
docker exec -it MYSQL cat -n /var/log/mysql/mysql-container.log
```

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