

How to Install MySQL on Ubuntu

- Installing MySQL on Ubuntu

1. First, update the apt package index by typing:

```
sudo apt update
```

2. Then install the MySQL package with the following command:

```
sudo apt install mysql-server
```

3. Once the installation is completed, the MySQL service will start automatically. To check whether the MySQL server is running, type:

```
sudo systemctl status mysql
```

- Login as root

1. To log in to the MySQL server as the root user type:

```
sudo mysql
```

2. change the authentication method from auth_socket to mysql_native_password.
running the following command:

```
ALTER USER 'root'@'localhost' IDENTIFIED WITH mysql_native_password BY  
'very_strong_password';
```

```
FLUSH PRIVILEGES;
```

Installing a MySQL Docker Container

- Pull the MySQL Docker Image

Dockerfile: https://github.com/INT222-13-49-129/INT222_Integrated_Project_Database/blob/master/Dockerfile

FROM mysql

COPY ./scripts ./scripts

ENV MYSQL_ROOT_PASSWORD=kamin124712

EXPOSE 3306

Docker-compose.yml: https://github.com/INT222-13-49-129/INT222_Integrated_Project_Database/blob/master/docker-compose.yml

version: '3'

services:

database:

container_name: database

build: .

image: database

environment:

MYSQL_ROOT_USER: root

MYSQL_ROOT_PASSWORD: kamin124712

MYSQL_DATABASE: cfandb

volumes:

- "./scripts/cfan.sql:/docker-entrypoint-initdb.d/cfan.sql"

ports:

- "3306:3306"

networks:

allnetwork:

ipv4_address: 172.20.0.4

networks:

default:

external:

name: allnetwork

allnetwork:

external: true