**How to Install MySQL on Ubuntu**

* **Installing MySQL on Ubuntu**

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

sudo apt update

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

sudo apt install mysql-server

1. 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

1. 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