Kubernetes install
* curl -LO https://dl.k8s.io/release/v1.32.0/bin/linux/amd64/kubectl
♣ sudo install -o root -g root -m 0755 kubectl /usr/local/bin/kubectl * sudo install -o root -g root -m 0755 kubectl /usr/local/bin/kubectl * sudo install -o root -g root -m 0755 kubectl /usr/local/bin/kubectl * sudo install -o root -g root -m 0755 kubectl /usr/local/bin/kubectl * sudo install -o root -g root -m 0755 kubectl /usr/local/bin/kubectl * sudo install -o root -g root -m 0755 kubectl /usr/local/bin/kubectl * sudo install -o root -g root -m 0755 kubectl /usr/local/bin/kubectl * sudo install -o root -g root -m 0755 kubectl /usr/local/bin/kubectl * sudo install -o root -g root -m 0755 kubectl /usr/local/bin/kubectl * sudo install -o root -g root -m 0755 kubectl /usr/local/bin/kubectl * sudo install -o root -g root -m 0755 kubectl /usr/local/bin/kubectl * sudo install -o root -g root -m 0755 kubectl /usr/local/bin/kubectl * sudo install -o root -g root -m 0755 kubectl /usr/local/bin/kubectl * sudo install -o root -g root -m 0755 kubectl /usr/local/bin/kubectl * sudo install -o root -g root -m 0755 kubectl /usr/local/bin/kubectl * sudo install -o root -g root -m 0755 kubectl /usr/local/bin/kubectl * sudo install -o root -g root -m 0755 kubectl /usr/local/bin/kubectl * sudo install -o root -g root -m 0755 kubectl /usr/local/bin/kubectl * sudo install -o root -g root -m 0755 kubectl /usr/local/bin/kubectl * sudo install -o root -g root -m 0755 kubectl /usr/local/bin/kubectl * sudo install -o root -g root -m 0755 kubectl /usr/local/bin/kubectl * sudo install -o root -g root -m 0755 kubectl /usr/local/bin/kubectl * sudo install -o root -g root -m 0755 kubectl /usr/local/bin/kubectl * sudo install -o root -g root -m 0755 kubectl /usr/local/bin/kubectl * sudo install -o root -g root -m 0755 kubectl /usr/local/bin/kubectl * sudo install -o root -g root -m 0755 kubectl /usr/local/bin/kubectl /usr/local/bin/kubectl /usr/local/bin/kubectl /usr/local/bin/kubectl /usr/local/bin/kubectl
♣ ★ chmod +x kubectl
♣ ★ mkdir -p ~/.local/bin
♣ ★ mv ./kubectl ~/.local/bin/kubectl
★ ★ kubectl versionclient
* Curl -LO https://github.com/kubernetes/minikube/releases/latest/download/minikube-linux-amd64 * Sudo install minikube-linux-amd64 /usr/local/bin/minikube && rm minikube-linux-amd64 * minikube start
docker

sudo apt install docker.io -y

# sudo service docker restart	
# sudo service docker status	
# sudo usermod -aG docker \$USER	
docker images	
docker ps	
# sudo chmod 666 /var/run/docker.sock	
docker-compose.yaml	
version: '3'	
services:	
web:	
image: nginx:latest	
ports:	
- 80:80	
db:	
image: mysql:latest	
environment:	
- MYSQL_ROOT_PASSWORD=secret	

- ★ ★ docker exec -it david-db-1 /bin/bash
- 🤾 🖈 mysql -u root -p
- ★ ★ sudo apt install docker-compose -y
- 3 download docker compose
- 3 sudo curl -L
- "https://github.com/docker/compose/releases/latest/download/docker-compose-\$(uname -s)-\$(uname -m)" -o /usr/local/bin/docker-compose

Docker-compose commands

- x sudo nano docker-compose.yaml
- 3 docker-compose up -d
- x x x mysql -u root -p
- ♣ ♣ ♣ password
- ★ ★ docker-compose images
- ★ ★ docker-compose ps
- x docker-compose down

```
ananth@DESKTOP-LQBQG2D:~$ docker-compose up -d
Creating network "ananth_default" with the default driver
Pulling web (ananth1501/simpleapplication:)...
latest: Pulling from ananth1501/simpleapplication
5a7813e071bf: Pull complete
8dbbbc6af9dc: Pull complete
a10b6847b9f1: Pull complete
dcc1c5ea3c7d: Pull complete
91e6cc55403a: Pull complete
bbbc5226420a: Pull complete
4f4fb700ef54: Pull complete
4f4fb700ef54: Pull complete
865114aeca46: Pull complete
444b700e454: Pull complete
865114aeca46: Pull complete
429752ed5e84: Pull complete
Digest: sha256:le7a64d4f2b24daf27d5154454704d07790c826c99f18266a1cb586f61d8f873
Status: Downloaded newer image for ananth1501/simpleapplication:latest
Creating ananth_web_1 ... done
Creating ananth_db_1 ... done
ananth@DESKTOP-LQBQG2D:~$ docker exec -it ananth_db_1 /bin/bash
bash-5.1# mysql -u root -p
Enter password:
 Welcome to the MySQL monitor. Commands end with ; or \g. Your MySQL connection id is 9
Server version: 9.2.0 MySQL Community Server - GPL
 Copyright (c) 2000, 2025, Oracle and/or its affiliates.
Oracle is a registered trademark of Oracle Corporation and/or its affiliates. Other names may be trademarks of their respective \,
 Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.
mysql> exit
Bye
bash-5.1# exit
 exit
 ananth@DESKTOP-LQBQG2D:~$ docker-compose images
                                                                                                                        Tag
                                                                                                                                                                                     Size
                                                            Repository
   Container
                                                                                                                                                 Image Id
ananth_db_1 mysql
ananth_web_1 ananth1501/simpleapplication
ananth@DESKTOP-LQBQG2D:~$ docker-compose ps

Mamo
Command
                                                                                                                                          fa262c3a6564
                                                                                                                                                                                   797 MB
                                                                                                                      latest
                                                                                                                      latest
                                                                                                                                             66bf48d2d3b0
                                                                                                                                                                                   520 MB
                                                                                                                   State
                                                                                                                                                                                     Ports
ananth_db_1 docker-entrypoint.sh mysqld lananth_web_1 catalina.sh run lananth@DESKTOP-LQBQG2D:~$ docker-compose down Stopping ananth_db_1 ... done Stopping ananth_web_1 ... done Removing network ananth_default ananth@DESKTOP-LQBQG2D:~$
                                                                                                                                        3306/tcp, 33060/tcp
0.0.0.0:80->80/tcp,:::80->80/tcp, 8080/tcp
                                                                                                                   Uр
```