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Kelas : C

Docker Active

```
192.168.31.128 - PuTTY
dbaskhara-virtual-machine dbaskhara ~ docker lamp systemctl status docker
● docker.service - Docker Application Container Engine
   Loaded: loaded (/lib/systemd/system/docker.service; enabled; vendor preset: enabled)
   Active: active (running) since Mon 2021-05-03 10:42:02 WIB; 17min ago
 TriggeredBy: ● docker.socket
       Docs: https://docs.docker.com
    Main PID: 2031 (dockerd)
       Tasks: 43
      Memory: 62.4M
      CGroup: /system.slice/docker.service
              └─2031 /usr/bin/dockerd -H fd:// --containerd=/run/containerd/containerd.sock
                └─2828 /usr/bin/docker-proxy -proto tcp -host-ip 0.0.0.0 -host-port 5000 -container-ip 172.19.0.3 -container-port 80
                  └─2851 /usr/bin/docker-proxy -proto tcp -host-ip :: -host-port 5000 -container-ip 172.19.0.3 -container-port 80
                    └─2878 /usr/bin/docker-proxy -proto tcp -host-ip 0.0.0.0 -host-port 8080 -container-ip 172.19.0.4 -container-port 80
                      └─2895 /usr/bin/docker-proxy -proto tcp -host-ip :: -host-port 8080 -container-ip 172.19.0.4 -container-port 80

Mei 03 10:41:40 dbaskhara-virtual-machine dockerd[2031]: time="2021-05-03T10:41:40.580321859+07:00" level=info msg="IPv6 enabled; Adding default IPv6 external servers:3
Mei 03 10:41:43 dbaskhara-virtual-machine dockerd[2031]: time="2021-05-03T10:41:43.204659020+07:00" level=info msg="No non-localhost DNS nameservers are left in resolv
Mei 03 10:41:43 dbaskhara-virtual-machine dockerd[2031]: time="2021-05-03T10:41:43.204724036+07:00" level=info msg="IPv6 enabled; Adding default IPv6 external servers:3
Mei 03 10:41:44 dbaskhara-virtual-machine dockerd[2031]: time="2021-05-03T10:41:44.543754890+07:00" level=info msg="No non-localhost DNS nameservers are left in resolv
Mei 03 10:41:44 dbaskhara-virtual-machine dockerd[2031]: time="2021-05-03T10:41:44.543821967+07:00" level=info msg="IPv6 enabled; Adding default IPv6 external servers:3
Mei 03 10:42:00 dbaskhara-virtual-machine dockerd[2031]: time="2021-05-03T10:42:00.358833231+07:00" level=info msg="Loading containers: done."
Mei 03 10:42:01 dbaskhara-virtual-machine dockerd[2031]: time="2021-05-03T10:42:01.168996056+07:00" level=info msg="Docker daemon" commit=8728dd2 graphdriver(s)=overl
Mei 03 10:42:01 dbaskhara-virtual-machine dockerd[2031]: time="2021-05-03T10:42:01.275380460+07:00" level=info msg="Daemon has completed initialization"
Mei 03 10:42:02 dbaskhara-virtual-machine systemd[1]: Started Docker Application Container Engine.
Mei 03 10:42:02 dbaskhara-virtual-machine dockerd[2031]: time="2021-05-03T10:42:02.711264193+07:00" level=info msg="API listen on /run/docker.sock"
lines 1-25/25 (END)
```

Docker Container

```
192.168.31.128 - PuTTY
dbaskhara-virtual-machine dbaskhara ~ docker lamp docker container ls
CONTAINER ID   IMAGE          COMMAND                  CREATED        STATUS        PORTS                               NAMES
2250cab27a52   lamp_web-server    "docker-php-entrypoi..." 16 hours ago   Up 18 minutes   0.0.0.0:8080->80/tcp, :::8080->80/tcp   lamp_web-server_1
bb58c43f2385   mysql:8.0.19      "docker-entrypoint.s..." 16 hours ago   Up 18 minutes   3306/tcp, 33060/tcp                  lamp_mysql-server_1
c8e094f2a41d   phpmyadmin/phpmyadmin:5.0.1  "/docker-entrypoint..." 16 hours ago   Up 18 minutes   0.0.0.0:5000->80/tcp, :::5000->80/tcp   lamp_phpmyadmin_1

dbaskhara-virtual-machine dbaskhara ~ docker lamp
```

Struktur Folder

```
192.168.31.128 - PuTTY
dbaskhara-virtual-machine dbaskhara ~ docker lamp tree
.
├── docker-compose.yaml
├── html
│   ├── addEmployees.php
│   ├── dashboard.php
│   ├── deleteEmployees.php
│   ├── index.php
│   └── updateEmployees.php
└── php.Dockerfile

1 directory, 7 files
dbaskhara-virtual-machine dbaskhara ~ docker lamp
```

Docker Compose

192.168.31.128 - PuTTY

GNU nano 4.8

docker-compose.yaml

```
version: "3.7"
services:
  web-server:
    build:
      dockerfile: php.Dockerfile
    context: .
    restart: always
    volumes:
      - "/html:/var/www/html/"
    ports:
      - "8080:80"
  mysql-server:
    image: mysql:8.0.19
    restart: always
    environment:
      MYSQL_ROOT_PASSWORD: secret
    volumes:
      - mysql-data:/var/lib/mysql

  phpmyadmin:
    image: phpmyadmin/phpmyadmin:5.0.1
    restart: always
    environment:
      PMA_HOST: mysql-server
      PMA_USER: root
      PMA_PASSWORD: secret
    ports:
      - "5000:80"
volumes:
  mysql-data:
```

[File 'docker-compose.yaml' is unwritable]

Get Help, Write Out, Where Is, Cut Text, Justify, Cur Pos, Undo, Mark Text, To Bracket, Previous, Exit, Read File, Replace, Paste Text, To Spell, Go To Line, Redo, Copy Text, Where Was, Next

Dockerfile

192.168.31.128 - PuTTY

GNU nano 4.8

php.Dockerfile

```
FROM php:7.4.3-apache
RUN docker-php-ext-install mysqli pdo pdo_mysql
```

[File 'php.Dockerfile' is unwritable]





Get Help, Write Out, Where Is, Cut Text, Justify, Cur Pos, Undo, Mark Text, To Bracket, Previous, Exit, Read File, Replace, Paste Text, To Spell, Go To Line, Redo, Copy Text, Where Was, Next

Web Container

← → ↻ 🏠 ⚠ Not secure | 192.168.31.128:8080/dashboard.php ☆ 🌐 🔴 🗑 📺 🟢 | ⬇ 👤 ⋮

Manage Employees

+ Add New Employee

Name	Email	Address	Phone	Actions
coki	chuaks@chuaks	neraka	666	 
test	test@test	test	123	 

Database Container

phpMyAdmin

Recent Favorites

New

app1

New

employees

information_schema

mysql

performance_schema

sys

Server: mysql-server » Database: app1 » Table: employees

Browse

Structure

SQL

Search

Insert

Export

Import

Privileges

Operations

Triggers

Showing rows 0 - 1 (2 total, Query took 0.0013 seconds)

SELECT * FROM `employees`

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

Show all

Number of rows: 25

Filter rows: Search this table

Sort by key: None

+ Options

name

email

address

phone

☐

Edit

Copy

Delete

coki

chuaks@chuaks

neraka

666

☐

Edit

Copy

Delete

test

test@test

test

123

Check all

With selected:

Edit

Copy

Delete

Export

Show all

Number of rows: 25

Filter rows: Search this table

Sort by key: None

Query results operations

Print Copy to clipboard Export Display chart Create view

Console