

# Task

program docker.file

```
go_sample_postgres > Dockerfile > ...  
1 FROM golang:1.22.3  
2  
3 WORKDIR /app  
4  
5 COPY go.mod go.sum ./  
6  
7 RUN go mod download  
8  
9 COPY *.go ./  
10  
11 RUN CGO_ENABLED=0 GOOS=linux go build -o /my-wise-word  
12  
13 # WORKDIR /root/  
14  
15 # COPY --from=builder /app/main .  
16  
17 EXPOSE 78  
18 CMD [ "/my-wise-word" ]  
19  
20  
21
```

main. go

```
package main  
  
import (  
    "database/sql"  
    "fmt"  
    "net/http"  
    "os"  
  
    "github.com/labstack/echo"  
    "github.com/labstack/echo/middleware"  
    _ "github.com/lib/pq"  
)
```

```

func main() {

    // get env
    dbUser := os.Getenv("DB_USER")
    dbPass := os.Getenv("DB_PASS")
    dbHost := os.Getenv("DB_HOST")
    dbPort := os.Getenv("DB_PORT")
    dbName := os.Getenv("DB_NAME")

    //connect to database
    connStr := fmt.Sprintf("postgresql://%s:%s@%s:%s/%s? sslmode=disable")
    fmt.Println("connect to :", connStr)
    db, err := sql.Open("postgres", connStr)
    if err != nil {
        fmt.Println("error ")
    }

    //test ping to database
    if err := db.Ping(); err != nil {
        fmt.Printf("connection to database failed (DB_HOST: %s: %s)\n", dbHost, dbPort)
    } else {
        fmt.Println("connection to database success", db)
    }

    e := echo.New()
    fmt.Println("someone hit me!")

    e.Use(middleware.Logger())
    e.Use(middleware.Recover())

    e.GET("/", func(c echo.Context) error {
        return c.HTML(http.StatusOK, "bebas tapi brutal \n")
    })

    e.GET("/ping", func(c echo.Context) error {

```

```

        return c.String(http.StatusOK, "pong")
    })

    httpPort := os.Getenv("PORT")
    if httpPort == "" {
        httpPort = "78"
    }

    e.Logger.Fatal(e.Start(":" + httpPort))
}

```

docker compose.yml

```

version: '3.9'

name: my-wise-word-compose

services:
  app:
    container_name: go_service
    environment:
      - DB_USER=${DB_USER}
      - DB_PASS=${DB_PASS}
      - DB_HOST=${DB_HOST}
      - DB_PORT=${DB_PORT}
      - DB_NAME=${DB_NAME}
    env_file:
      - .env
      # - name=value
    build:

```

```

    context: ./go_sample_postgres/
    dockerfile: Dockerfile
depends_on:
    postgresdb:
        condition: service_healthy
ports:
    - 9911:78
networks:
    - netwwc

postgresdb:
    image: postgres:latest
    container_name: database
    environment:
        - POSTGRES_USER=${DB_USER}
        - POSTGRES_PASSWORD=${DB_PASS}
        - POSTGRES_DB=${DB_NAME}
        - DATABASE_HOST=${DB_HOST}
    env_file:
        - .env
    healthcheck:
        test: ["CMD-SHELL", "pg_isready -U postgres"]
        interval: 5s
        timeout: 5s
        retries: 5
    ports:
        - '5431:5432'
    volumes:
        - vollwwc:/var/lib/postgresql/data
    networks:
        - netwwc

volumes:
    vollwwc:
networks:

















```

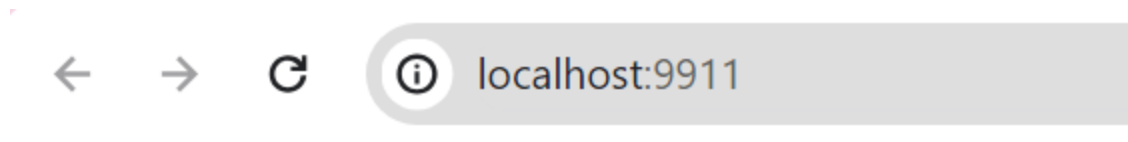
```
netwwc:
  driver: bridge
```

build docker compose setelah program tidak ada error

```
PS D:\docker\docker> docker compose up -d --build
time="2024-06-11T17:00:13+07:00" level=warning msg="D:\\docker\\docker\\docker-compose.yml: `version` is obsolete"
[+] Building 0.0s (0/0) docker:default
2024/06/11 17:00:13 http2: server: error reading preface from client //./pipe/docker_engine: file has already been cl
[+] Building 3.0s (11/11) FINISHED docker:default
=> [app internal] load build definition from Dockerfile 0.0s
=> => transferring dockerfile: 297B 0.0s
=> [app internal] load metadata for docker.io/library/golang:1.22.3 2.8s
=> [app internal] load .dockerignore 0.0s
=> => transferring context: 2B 0.0s
=> [app 1/6] FROM docker.io/library/golang:1.22.3@sha256:f43c6f049f04cbbabeb28f0aad3eea15274a7d0a7899a617d0037 0.0s
=> [app internal] load build context 0.0s
=> => transferring context: 81B 0.0s
=> CACHED [app 2/6] WORKDIR /app 0.0s
=> CACHED [app 3/6] COPY go.mod go.sum ./ 0.0s
=> CACHED [app 4/6] RUN go mod download 0.0s
=> CACHED [app 5/6] COPY *.go ./ 0.0s
=> CACHED [app 6/6] RUN CGO_ENABLED=0 GOOS=linux go build -o /my-wise-word 0.0s
=> [app] exporting to image 0.0s
=> => exporting layers 0.0s
=> => writing image sha256:60d476f61f6f090c47e9f76d4532cce0a4f3d82b3710da8a9ff3b0b5fa40793b 0.0s
=> => naming to docker.io/library/my-wise-word-compose-app 0.0s
[+] Running 3/3
✓ Network my-wise-word-compose_netwwc Created 0.0s
✓ Container database Healthy 6.2s
✓ Container go_service Started 6.5s
```

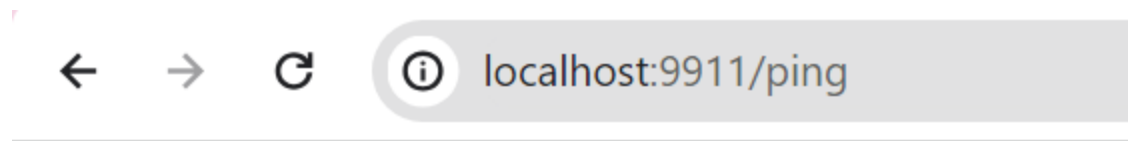
compose dan container

<input type="checkbox"/>	Name	Image	Status	Port(s)	Actions
<input type="checkbox"/>	 <a href="#">my-wise-word-compose</a>		Running (2/2)		  
<input type="checkbox"/>	 <a href="#">database</a> 53ace9a6e5f2 	<a href="#">postgres:la</a>	Running	<a href="#">5431:5432</a> 	  
<input type="checkbox"/>	 <a href="#">go_service</a> db1a6c2afb5b 	<a href="#">my-wise-wr</a>	Running	<a href="#">9911:78</a> 	  



bismillah naik haji

hasil menjalankan main lewat docker des



pong

hasil ping

database

postgres:latest

d91a1bb56523

5431:5432

STATUS

Running (23 minutes ago)

Logs

Inspect

Bind mounts

Exec

Files

Stats

2024-06-11 18:02:49

2024-06-11 11:02:49.840 UTC [1806] FATAL: password authentication failed for user "postgres"

2024-06-11 18:02:49

2024-06-11 11:02:49.840 UTC [1806] DETAIL: Role "postgres" does not exist.

2024-06-11 18:02:49

Connection matched file "/var/lib/postgresql/data/pg\_hba.conf" line 128: "host all a

ll all scram-sha-256"

2024-06-11 18:02:51

2024-06-11 11:02:51.305 UTC [1814] FATAL: role "postgres" does not exist

2024-06-11 18:02:54

2024-06-11 11:02:54.853 UTC [1816] FATAL: password authentication failed for user "postgres"

2024-06-11 18:02:54

2024-06-11 11:02:54.853 UTC [1816] DETAIL: Role "postgres" does not exist.

2024-06-11 18:02:54

Connection matched file "/var/lib/postgresql/data/pg\_hba.conf" line 128: "host all a

ll all scram-sha-256"

2024-06-11 18:02:56

2024-06-11 11:02:56.453 UTC [1824] FATAL: role "postgres" does not exist

2024-06-11 18:02:58

2024-06-11 11:02:58.864 UTC [1825] FATAL: password authentication failed for user "postgres"

2024-06-11 18:02:58

2024-06-11 11:02:58.864 UTC [1825] DETAIL: Role "postgres" does not exist.

2024-06-11 18:02:58

Connection matched file "/var/lib/postgresql/data/pg\_hba.conf" line 128: "host all a

ll all scram-sha-256"

2024-06-11 18:02:59

2024-06-11 11:02:59.869 UTC [1826] FATAL: password authentication failed for user "postgres"

2024-06-11 18:02:59

2024-06-11 11:02:59.869 UTC [1826] DETAIL: Role "postgres" does not exist.

2024-06-11 18:02:59

Connection matched file "/var/lib/postgresql/data/pg\_hba.conf" line 128: "host all a

ll all scram-sha-256"

2024-06-11 18:03:01

2024-06-11 11:03:01.556 UTC [1834] FATAL: role "postgres" does not exist

Notifications

Dismiss all

Multi platform image support with containerd is here, try it now!

Enable

1 day ago

RAM 3.33 GB CPU 0.38%

Signed in

v4.30.0

connect compose to database

Data Output

Messages

Notifications

Tanggal\_lahir

timestamp with time zone

Total rows: 0 of 0

Query complete 00:00:00.244

database dengan fotmat typr timestamp with time zone