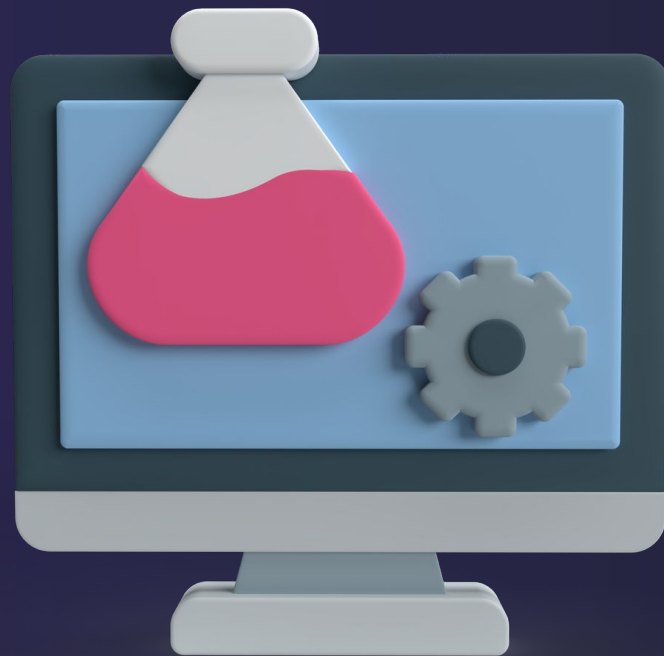


# Travaux Pratiques

- Docker
- Docker-compose
- MariaDB
- phpMyAdmin
- wordpress
- **Serveur Web Flask**



# Etapes.

- Création d'un fichier docker-compose.yml
- Définition du service MariaDB
- Définition du service PhpMyAdmin
- Définition du service WordPress
- **Création du serveur web avec Flask**
- **Création d'un fichier Dockerfile**

# Création d'un fichier docker-compose.yml

```
version: "3"
```

```
Services:
```

```
  Service A:
```

```
    clé1: "valeur"
```

```
    clé2: "valeur"
```

```
  Service B:
```

```
    clé1: "valeur"
```

```
    clé2: "valeur"
```

# Service

## MariaDB

```
mariadb:
```

```
  image: "mariadb:latest"
```

```
  restart: 'always'
```

```
  volumes:
```

```
    - "./data:/var/lib/mysql/data"
```

```
    - "./logs:/var/lib/mysql/logs"
```

```
    - /var/docker/mariadb/conf:/etc/mysql
```

```
  Environment:
```

```
    MYSQL_ROOT_PASSWORD: "root"
```

```
    MYSQL_DATABASE: "heticdb"
```

```
    MYSQL_USER: "hetic"
```

```
    MYSQL_PASSWORD: "hetic"
```

# Service

## PhpMyAdmin

```
Phpmyadmin:
  image: phpmyadmin
  restart: always
  expose:
    - "40001"
  ports:
    - "40001:80"
  environment:
    - PMA_HOST=mariadb
    - PMA_PORT=3306
```

# Service

# WordPress

```
Wordpress :  
  image: wordpress  
  expose:  
    - 80  
  Ports:  
    - 80:80  
  environment:  
    WORDPRESS_DB_HOST : mariadb  
    WORDPRESS_DB_NAME : heticdb  
    WORDPRESS_DB_USER : hetic  
    WORDPRESS_DB_PASSWORD : hetic  
  volumes :  
    - ./wordpress:/var/www/html
```

# Création d'un fichier

app.py

```
from flask import Flask

# Init flask APP
app = Flask(__name__)

# main
@app.route( '/', methods=['GET'])
def main(enterpriseId):
    return 'Hello World'

if __name__ == '__main__':
    app.run("0.0.0.0", port=80)
```

# Création d'un fichier Dockerfile

```
FROM python:3.9
```

```
ENV APP_HOME /app
```

```
WORKDIR $APP_HOME
```

```
RUN apt-get update
```

```
COPY requirements .
```

```
RUN pip install -r requirements
```

```
COPY . .
```

```
CMD ["python3", "app.py"]
```