

```
❶ Vagrantfile X
❷ Vagrantfile
1  # Vagrantfile
2  Vagrant.configure("2") do |config|
3      # Utilisation d'une image Ubuntu standard
4      config.vm.box = "ubuntu/focal64"
5
6      # Configuration du réseau : Ports forwarding
7      # Port pour l'application NodeJS (TP Partie 2)
8      config.vm.network "forwarded_port", guest: 8080, host: 8080
9      # Port pour Wordpress (TP Partie 3)
10     config.vm.network "forwarded_port", guest: 8081, host: 8081
11     # Port pour PhpMyAdmin (TP Partie 3)
12     config.vm.network "forwarded_port", guest: 8082, host: 8082
13
14     # Synchronisation du dossier actuel vers /home/vagrant/tp_docker dans la VM
15     config.vm.synced_folder ".", "/home/vagrant/tp_docker"
16
17     # Script de provisioning pour installer Docker et Docker Compose
18     config.vm.provision "shell", inline: <<-SHELL
19         apt-get update
20         apt-get install -y ca-certificates curl gnupg lsb-release
21
22         # Installation officielle de Docker
23         curl -fsSL https://get.docker.com -o get-docker.sh
24         sh get-docker.sh
25
# Ajout de l'utilisateur vagrant au groupe docker (évite d'utiliser sudo)
usermod -aG docker vagrant

# Installation de Docker Compose (plugin)
apt-get install -y docker-compose-plugin

echo "Docker et Docker Compose sont installés !"
SHELL
end

vagrant@ubuntu-focal:~$ cd /home/vagrant/tp_docker
vagrant@ubuntu-focal:~/tp_docker$ docker network create mon-net
```

```
vagrant@ubuntu-focal:~/tp_docker$ sudo docker network create mon-net
7479f9f23989b4efa31348e7998b6cd4de9643b95d9d79f264dae0816a4fc876
vagrant@ubuntu-focal:~/tp_docker$ sudo docker run -d --name redis redis
Unable to find image 'redis:latest' locally
latest: Pulling from library/redis
0c8d55a45c0d: Pull complete
bbed7540f434: Pull complete
35b667b631ff: Pull complete
a15985f29cdf: Pull complete
6397ab563848: Pull complete
4f4fb700ef54: Pull complete
4a43643650f6: Pull complete
Digest: sha256:7b6fb55d8b0adc77269dc52b3cfffe5f59ca5d43dec3c90dbe18aacce7942e1
Status: Downloaded newer image for redis:latest
e97a83dd5b79b10164ec3bf1ebff7f3861261db8c386383d4067c7435e7b3f70
vagrant@ubuntu-focal:~/tp_docker$ sudo docker network connect mon-net redis
vagrant@ubuntu-focal:~/tp_docker$ ls
Vagrantfile app01
vagrant@ubuntu-focal:~/tp_docker$ cd app01/
vagrant@ubuntu-focal:~/tp_docker/app01$ nano Dockerfile
```



```
GNU nano 4.8                                            docker-compose.yml
version: '3'
services:
  web:
    build: .          # Construit à partir du Dockerfile courant
    ports:
      - "8080:8080"
    depends_on:
      - redis         # Attend que redis soit prêt
    networks:
      - mon-net       # Utilise un réseau commun

  redis:
    image: redis:latest
    networks:
      - mon-net

networks:
  mon-net:
```

```

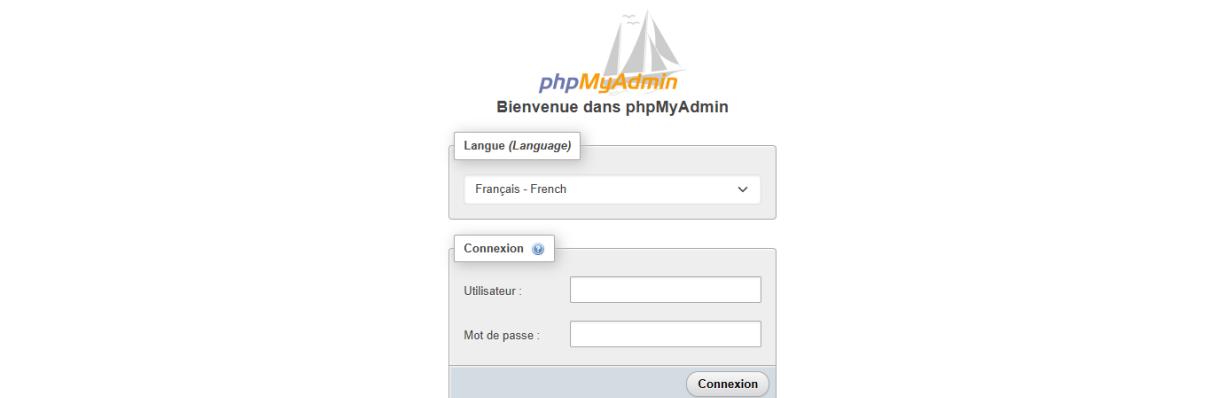
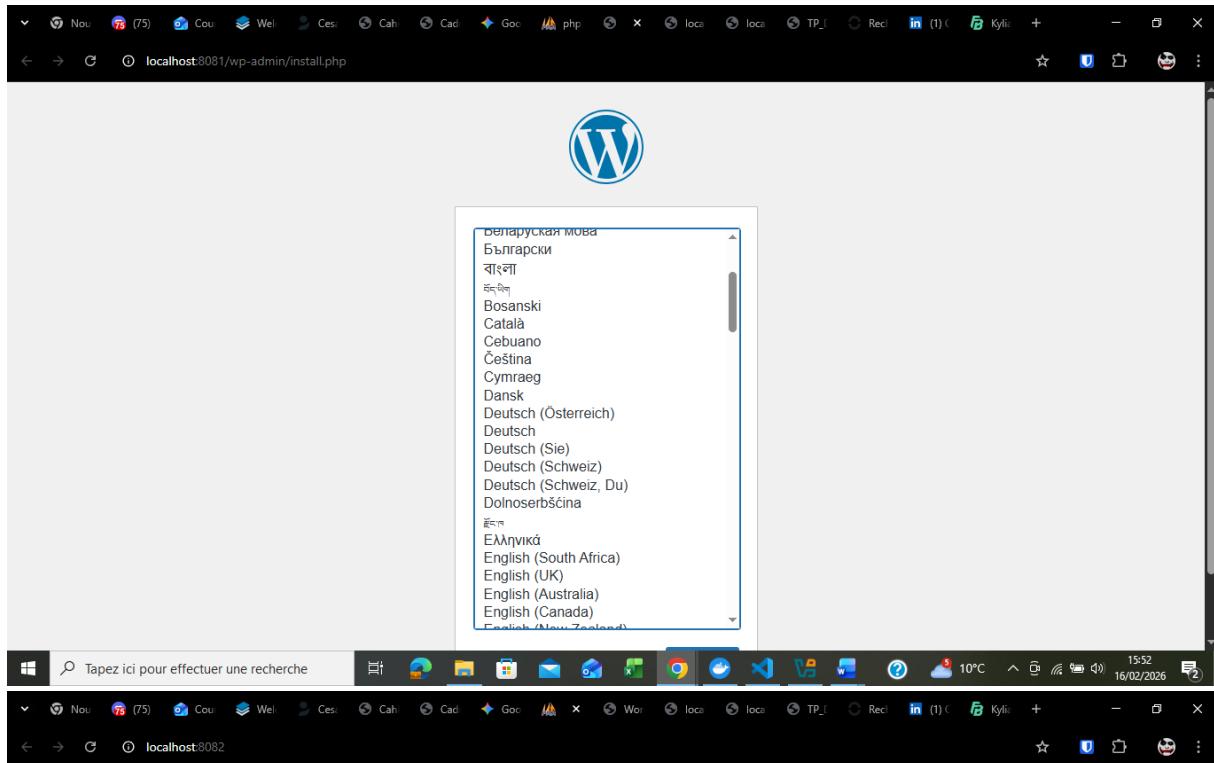
GNU nano 4.8                                            docker-compose.yml
version: '3'
services:
  db:
    image: mariadb:10
    volumes:
      - db_data:/var/lib/mysql
    restart: always
    environment:
      MYSQL_ROOT_PASSWORD: somewordpress
      MYSQL_DATABASE: wordpress
      MYSQL_USER: wordpress
      MYSQL_PASSWORD: wordpress

  dbadmin:
    image: phpmyadmin/phpmyadmin
    ports:
      - "8082:80"
    environment:
      PMA_HOST: db
      MYSQL_ROOT_PASSWORD: somewordpress
    depends_on:
      - db

  wordpress:
    image: wordpress:latest
    depends_on:
vagrant@ubuntu-focal:~/tp_docker/wordpress_tp$ sudo docker compose up -d
WARN[0000] /home/vagrant/tp_docker/wordpress_tp/docker-compose.yml: the attribute `version` is obsolete, it will be ignored, please remove it to avoid potential confusion
[+] Running 5/5
✓ wordpress Pulled                                         142.8s
✓ db Pulled                                              112.9s
✓ dbadmin Pulled                                         166.4s

[+] Running 5/5
✓ Network wordpress_tp_default          Created          0.5s
✓ Volume "wordpress_tp_db_data"         Created          0.0s
✓ Container wordpress_tp-db-1          Started          3.4s
✓ Container wordpress_tp-wordpress-1   Started          4.4s
✓ Container wordpress_tp-dbadmin-1     Started          4.3s

```



```
vagrant@ubuntu-focal:~/tp_docker/wordpress_tp$ sudo docker compose stop
WARN[0000] /home/vagrant/tp_docker/wordpress_tp/docker-compose.yml: the attribute `version` is obsolete, it will be ignored, please remove it to avoid potential confusion
[+] Stopping 3/3
✓ Container wordpress_tp-dbadmin-1 Stopped 2.0s
✓ Container wordpress_tp-wordpress-1 Stopped 2.1s
✓ Container wordpress_tp-db-1 Stopped 0.8s
vagrant@ubuntu-focal:~/tp_docker/wordpress_tp$ sudo docker compose rm
WARN[0000] /home/vagrant/tp_docker/wordpress_tp/docker-compose.yml: the attribute `version` is obsolete, it will be ignored, please remove it to avoid potential confusion
? Going to remove wordpress_tp-wordpress-1, wordpress_tp-dbadmin-1, wordpress_tp-db-1 Yes
[+] Removing 3/3
✓ Container wordpress_tp-db-1 Removed 0.0s
✓ Container wordpress_tp-wordpress-1 Removed 0.0s
✓ Container wordpress_tp-dbadmin-1 Removed 0.0s
vagrant@ubuntu-focal:~/tp_docker/wordpress_tp$
```

```
vagrant@ubuntu-focal:~/tp_docker/wordpress_tp$ sudo docker compose up -d
WARN[0000] /home/vagrant/tp_docker/wordpress_tp/docker-compose.yml: the attribute `version` is obsolete, it will be ignored, please remove it to avoid potential confusion
[+] Running 3/3
✓ Container wordpress_tp-db-1      Started          1.5s
✓ Container wordpress_tp-wordpress-1 Started          3.2s
✓ Container wordpress_tp-dbadmin-1  Started          3.4s
vagrant@ubuntu-focal:~/tp_docker/wordpress_tp$
```

```
vagrant@ubuntu-focal:~/tp_docker/wordpress_tp$ sudo docker compose stop
WARN[0000] /home/vagrant/tp_docker/wordpress_tp/docker-compose.yml: the attribute `version` is obsolete, it will be ignored, please remove it to avoid potential confusion
[+] Stopping 3/3
✓ Container wordpress_tp-wordpress-1 Stopped          3.5s
✓ Container wordpress_tp-dbadmin-1  Stopped          1.5s
✓ Container wordpress_tp-db-1      Stopped          0.6s
vagrant@ubuntu-focal:~/tp_docker/wordpress_tp$ sudo docker compose rm
WARN[0000] /home/vagrant/tp_docker/wordpress_tp/docker-compose.yml: the attribute `version` is obsolete, it will be ignored, please remove it to avoid potential confusion
? Going to remove wordpress_tp-wordpress-1, wordpress_tp-dbadmin-1, wordpress_tp-db-1 Yes
[+] Removing 3/3
✓ Container wordpress_tp-db-1      Removed          0.0s
✓ Container wordpress_tp-wordpress-1 Removed          0.0s
✓ Container wordpress_tp-dbadmin-1 Removed          0.0s
vagrant@ubuntu-focal:~/tp_docker/wordpress_tp$ sudo docker compose down -v
WARN[0000] /home/vagrant/tp_docker/wordpress_tp/docker-compose.yml: the attribute `version` is obsolete, it will be ignored, please remove it to avoid potential confusion
[+] Running 2/2
✓ Volume wordpress_tp_db_data   Removed          0.0s
✓ Network wordpress_tp_default Removed          0.2s
vagrant@ubuntu-focal:~/tp_docker/wordpress_tp$
```