DOCKER WORDPRESS

This is an application for `WordPress`. We are going to need the application itself, a database, in this case `MariaDB` and finally a proxy server, `Nginx`, for load-balancing the containers.

If you wish, you can do the complete installation by yourself, following the guide.pdf or do a simple installation by following install.pdf.

Windows

Download from Microsoft Store, WSL linux distributions. Make sure to enable WSL integration in Docker's Resources. Also, enable each distribution you want to use in the list.

Ubuntu

- Ubuntu Jammy Cloud LTS server (https://cyclades.okeanos-knossos.grnet.gr/ui/)
- Ubuntu 22.04.3 LTS
- Ubuntu 22.04 LTS
- Ubuntu 20.04.6 LTS

Images

MariaDB version Wordpress version Nginx version

Set up

For Wordpress, we use php-fpm that listens to port:9000 because it runs the best with Nginx. We use an Nginx-alpine because it is lightweight, stable and runs smoothly with fpm. For nginx.conf, copy or download the file in the GitHub repo link that was given earlier.

Make sure that all files can be executed, else use the "chmod +x <my_script>" command inside the folder of each script.

Make sure that all needed ports have access through the firewall.

- ssh/Openssh, port:22/tcp
- Nginx, port:80/tcp
- php-fpm, port:9000/tcp
- Docker swarm, port: 2377/tcp, 4789/udp, 7946/tcp and udp

Execute the command "docker compose up -d" to run the containers.

Show running containers

Execute the command "Docker ps".

Use application

Run the command:

```
./App.sh
```