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# Practical Exercise 7 - Load balancer

## Docker-compose.yml

version: '3'

### services:

#### website1:

build:

context: ./website1

dockerfile: Dockerfile

ports:

- "9711:80"

environment:

COLOR: '#A9D0F5'

NAME: web-site1

volumes:

- "./htmlphp:/var/www/html/"

networks:

- frontend

#### website2:

build:

context: ./website2

dockerfile: Dockerfile

ports:

- "9712:80"

environment:

COLOR: '#F5A9A9'

NAME: web-site2

volumes:

- "./htmlphp:/var/www/html/"

networks:

- frontend

#### website3:

build:

context: ./website3

dockerfile: Dockerfile

ports:

- "9713:80"

environment:

COLOR: '#D0F5A9'

NAME: web-site3

volumes:

- "./htmlphp:/var/www/html/"

networks:

- frontend

**loadbalancer:**

build:

context: ./nginx

dockerfile: Dockerfile

ports:

- "8080:80"

links:

- php

networks:

- frontend

**php:**

image: php:7-fpm

networks:

- frontend

**phpmyadmin:**

image: phpmyadmin/phpmyadmin

links:

- mariadb

environment:

PMA\_HOST: mariadb

PMA\_PORT: 3306

PMA\_USER: root

PMA\_PASSWORD: netlab

ports:

- '8081:80'

networks:

- frontend

volumes:

- phpmyadmin\_data:/bitnami

**mariadb:**

image: "library/mariadb"

ports:

- '3306:3306'

volumes:

- 'mariadb\_data:/bitnami'

environment:

MYSQL\_ROOT\_PASSWORD: netlab

MYSQL\_DATABASE: bigdata

MYSQL\_USER: root

MYSQL\_PASSWORD: netlab

networks:

- frontend

**networks:**

frontend:

driver: bridge

**volumes:**

mariadb\_data:

driver: local

phpmyadmin\_data:

driver: local