

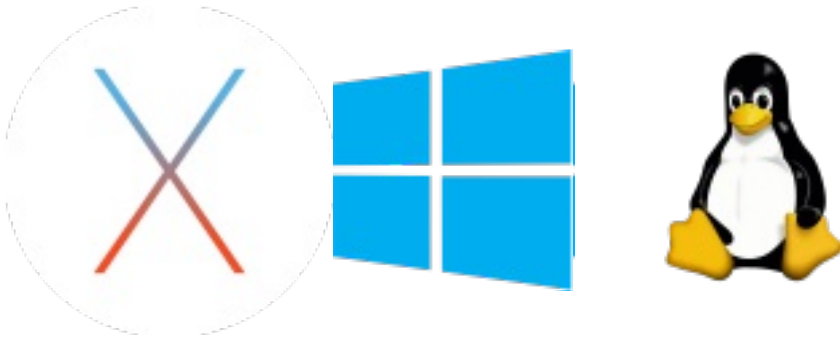
docker

(Simple) Development environment

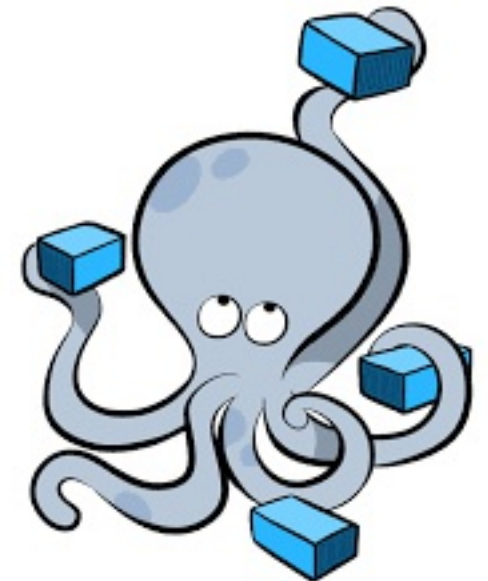
www.docker.com

Docker is open source.

Works on Mac, Linux and Windows



docker-compose



Plan / docker-compose.yml

NGINX



PHP7



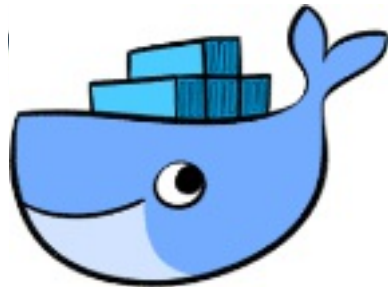
MySQL



phpMyAdmin



MailHog



docker-compose.yml

version: '2'

services:

web: ...

app: ...

db: ...

phpmyadmin: ...

mailhog: ...

NGINX - phpmk-web

docker-compose.yml

```
web:
  build:
    context: ./
    dockerfile: /docker/web.docker
  container_name: phpmk-web
  restart: always
  volumes:
    - "./src:/var/www/"
    - "./data/logs:/var/log/nginx/"
  ports:
    - 8080:80
  links:
    - app
```

web.docker

```
FROM nginx:1.10

ADD /docker/config/vhost.conf /etc/nginx/conf.d/default.conf

WORKDIR /var/www
```



vhost.conf

```
server {
    listen 80;
    index index.php index.html;
    root /var/www/public;

    location / {
        try_files $uri /index.php?$args;
    }

    location ~ \.php$ {
        fastcgi_split_path_info ^(.+\.php)(/.+)$;
        fastcgi_pass app:9000;
        fastcgi_index index.php;
        include fastcgi_params;
        fastcgi_param SCRIPT_FILENAME $document_root$fastcgi_script_name;
        fastcgi_param PATH_INFO $fastcgi_path_info;
    }
}
```

PHP7 - phpmk-app

docker-compose.yml

```
app:
  build:
    context: ./
    dockerfile: /docker/app.docker
  container_name: phpmk-app
  restart: always
  volumes:
    - "/src:/var/www/"
  links:
    - db
  enviroment:
    - DB_PORT=3306
    - DB_HOST=db
```

app.docker

```
FROM php:7-fpm

RUN apt-get update && apt-get install -y libmcrypt-dev mysql-client \
&& docker-php-ext-install mcrypt pdo_mysql

RUN apt-get install -y ssmtp

COPY ./docker/config/mailhog.ini /usr/local/etc/php/conf.d
COPY ./docker/config/ssmtp.conf /etc/ssmtp

WORKDIR /var/www
```

ssmtp.conf

```
root=postmaster
mailhub=mailhog:25
hostname=127.0.0.1
FromLineOverride=YES
```

mailhog.ini

```
SMTP = localhost
smtp_port = 25
sendmail_path = /usr/sbin/ssmtp -t
```



PHP7 - phpmk-mysql

docker-compose.yml

```
db:
  image: mysql:5.7
  container_name: phpmk-mysql
  restart: always
  volumes:
    - "./.data/db:/var/lib/mysql"
  enviroment:
    - MYSQL_ROOT_PASSWORD=secret
    - MYSQL_DATABASE=phpmk_app
  ports:
    - "33061:3306"
```



PHP7 - phpmk-phpmyadmin

docker-compose.yml

```
phpmyadmin:  
  image: phpmyadmin/phpmyadmin  
  container_name: phpmk-phpmyadmin  
  restart: always  
  links:  
    - db  
  enviroment:  
    - PMA_HOST: db  
    - PMA_PORT: 3306  
  ports:  
    - "8181:80"
```



PHP7 - phpmk-mailhog

docker-compose.yml

```
mailhog:
  image: mailhog/mailhog
  container_name: phpmk-mailcatcher
  restart: always
  user: root
  enviroment:
    - MH_SMTP_BIND_ADDR=0.0.0.0:25
  ports:
    - "8025:8025"
```


CLI commands

`docker-compose build`

`docker-compose up -d`

`docker-compose down`

`docker ps -a`

`docker stats`

`docker logs container-name`

`docker stop container-name`

`docker start container-name`

`docker kill container-name`

`docker rm container-name`

`docker exec -it container-name bash`

https://gitlab.com/ldembowski/phpmk_docker_evn.git