

# Cheat-Sheet: debian + docker + portainer → LAMP → SSL/TLS



```
FROM php:apache-bullseye
LABEL maintainer="ricardofc <ricardofc.sistemas@gmail.com>"

##Apache2
RUN apt-get update \
  && apt-get -y install ssl-cert && make-ssl-cert generate-default-snakeoil \
  && a2dissite 000-default \
  && a2ensite default-ssl \
  && a2enmod ssl \
  && rm -rf /var/lib/apt/lists/*

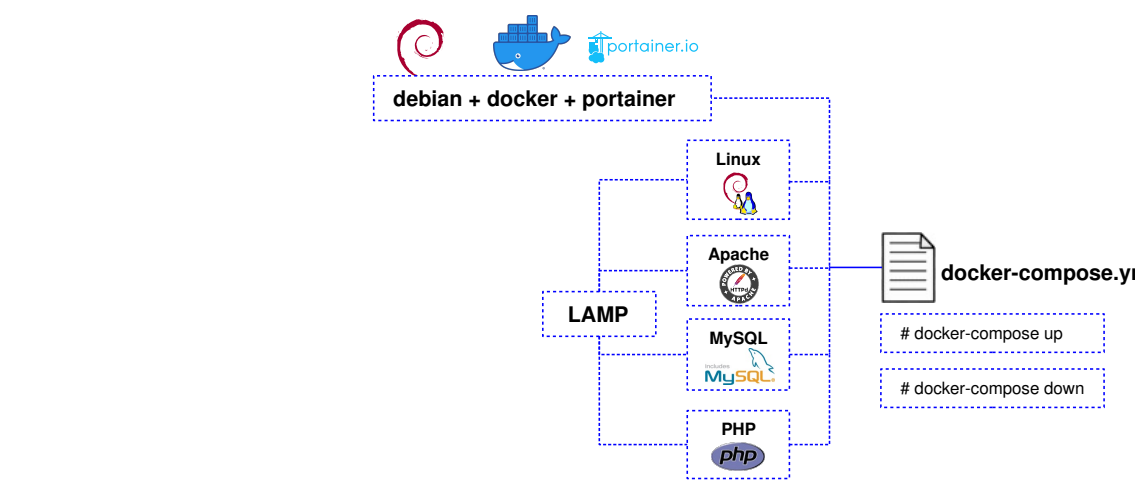
##Packages
RUN apt-get update \
  && apt-get -y install vim iputils-ping iproute2 netcat \
  && rm -rf /var/lib/apt/lists/*

#Scripts
ENTRYPOINT apachectl -D FOREGROUND
```

```
FROM phpmyadmin
LABEL maintainer="ricardofc <ricardofc.sistemas@gmail.com>"

##Apache2
RUN apt-get update \
  && apt-get -y install ssl-cert && make-ssl-cert generate-default-snakeoil \
  && a2dissite 000-default \
  && a2ensite default-ssl \
  && a2enmod ssl \
  && rm -rf /var/lib/apt/lists/*

##Packages
RUN apt-get update \
  && apt-get -y install vim iputils-ping iproute2 netcat \
  && rm -rf /var/lib/apt/lists/*
```



```
version: "3.1"
services:
  #https://hub.docker.com/r/portainer/portainer-ce
  PORTAINER:
    image: portainer/portainer-ce:linux-amd64
    container_name: PORTAINER
    restart: always
    security_opt:
      - no-new-privileges:true
    ports:
      - "9443:9443"
    volumes:
      - /etc/localtime:/etc/localtime:ro
      - /var/run/docker.sock:/var/run/docker.sock:ro
      - portainer_data:/data

  #https://hub.docker.com/_/mysql
  dbLAMP:
    image: mysql
    container_name: dbLAMP
    command: --default-authentication-plugin=mysql_native_password
    restart: always
    environment:
      MYSQL_DATABASE: "lamp"
      MYSQL_ROOT_PASSWORD: "abc123."
    volumes:
      - ./db:/docker-entrypoint-initdb.d
      - ./conf:/etc/mysql/conf.d
      - lib_data:/var/lib/mysql

  #https://hub.docker.com/_/php
  weblamp:
    build:
      context: .
      dockerfile: Dockerfile-php
    container_name: weblAMP
    restart: always
    ports:
      - "8081:443"
    volumes:
      - ./web:/var/www/html
    links:
      - dbLAMP

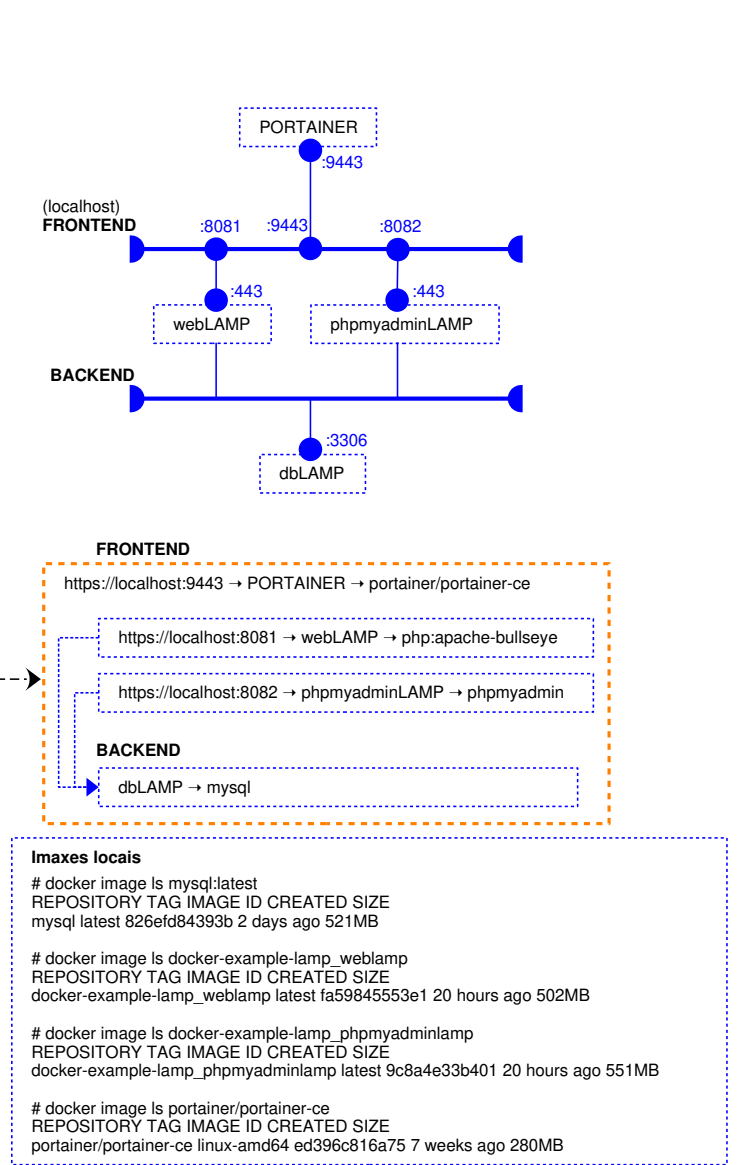
  #https://hub.docker.com/_/phpmyadmin
  phpmyadminlamp:
    build:
      context: .
      dockerfile: Dockerfile-phpmyadmin
    container_name: phpmyadminLAMP
    restart: always
    ports:
      - "8082:443"
    environment:
      PMA_HOST: dbLAMP

volumes:
  lib_data:
  portainer_data:
```

```
docker-compose-lamp-example3.yml

# docker-compose up
# docker-compose down

# docker-compose -f docker-compose-lamp-example3.yml up
# docker-compose -f docker-compose-lamp-example3.yml down
```



<https://localhost:9443/#/1/2/docker/containers>

Container list								
Containers								
<div>Start Stop Kill Restart Pause Resume Remove Add container</div>								
Q Search...								
<input type="checkbox"/>	Name	State <div>Filter</div>	Quick Actions	Stack	Image	Created	IP Address	Published Ports
<input type="checkbox"/>	webLAMP	running	<div>Stop Kill Restart Pause Resume Remove</div>	docker-example-lamp	docker-example-lamp_weblamp	2022-04-08 18:45:18	172.25.0.5	8081:443
<input type="checkbox"/>	dbLAMP	running	<div>Stop Kill Restart Pause Resume Remove</div>	docker-example-lamp	mysql	2022-04-08 18:45:17	172.25.0.2	-
<input type="checkbox"/>	phpmyadminLAMP	running	<div>Stop Kill Restart Pause Resume Remove</div>	docker-example-lamp	docker-example-lamp_phpmyadminlamp	2022-04-08 18:45:17	172.25.0.3	8082:443
<input type="checkbox"/>	PORTAINER	running	<div>Stop Kill Restart Pause Resume Remove</div>	docker-example-lamp	portainer/portainer-ce:linux-amd64	2022-04-08 18:45:17	172.25.0.4	9000:9000 9443:9443

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