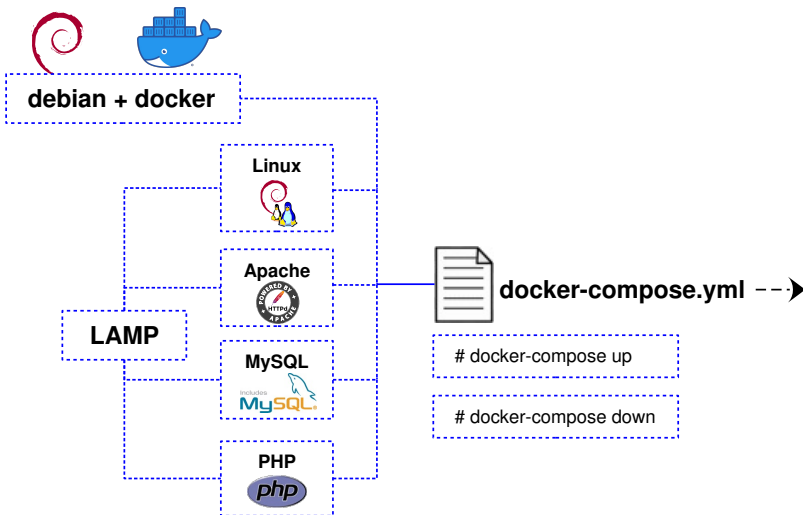# Cheat-Sheet: debian + docker → LAMP

Debian   Docker   Cheat_Sheet_Docker   gist_docker_code_examples

Apache   MySQL   PHP

debian + docker

Linux

Apache

LAMP

MySQL

PHP

📄 **docker-compose.yml** ‑ ‑ ➤

docker-compose up

docker-compose down

```
version: "3.1"
services:

    #https://hub.docker.com/_/mysql
    dbLAMP:
        image: mysql
        command: --default-authentication-plugin=mysql_native_password
        restart: always
        environment:
            MYSQL_DATABASE: "lamp"
            MYSQL_USER: "userLAMP"
            MYSQL_PASSWORD: "example"
            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:
        image: php:apache-bullseye
        restart: always
        ports:
            - "8081:80"
        volumes:
            - ./web:/var/www/html
        links:
            - dbLAMP

    #https://hub.docker.com/_/phpmyadmin
    phpmyadminLAMP:
        image: phpmyadmin
        restart: always
        ports:
            - "8082:80"
        environment:
            PMA_HOST: dbLAMP

    volumes:
     lib_data:
```
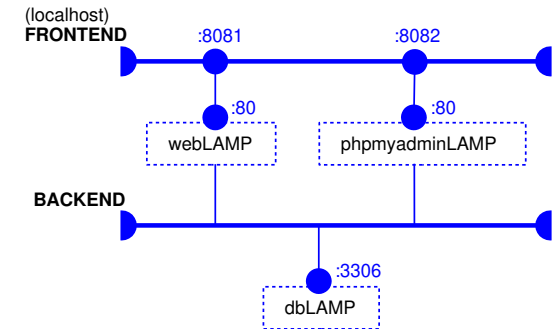
docker-compose-lamp-example1.yml

docker-compose -f docker-compose-lamp-example1.yml up

docker-compose -f docker-compose-lamp-example1.yml down

(localhost)
FRONTEND

:8081   :8082

:80   :80
webLAMP   phpmyadminLAMP

BACKEND

:3306
dbLAMP

FRONTEND

http://localhost:8081 → webLAMP → php:apache-bullseye

http://localhost:8082 → phpmyadminLAMP → phpmyadmin

BACKEND

dbLAMP → mysql

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docker image ls mysql:latest
REPOSITORY TAG IMAGE ID CREATED SIZE
mysql latest 826efd84393b 2 days ago 521MB

docker image ls php:apache-bullseye
REPOSITORY TAG IMAGE ID CREATED SIZE
php apache-bullseye f414fe2d15cb 8 days ago 458MB

docker image ls phpmyadmin:latest
REPOSITORY TAG IMAGE ID CREATED SIZE
phpmyadmin latest 7fa7f0c99741 8 days ago 508MB