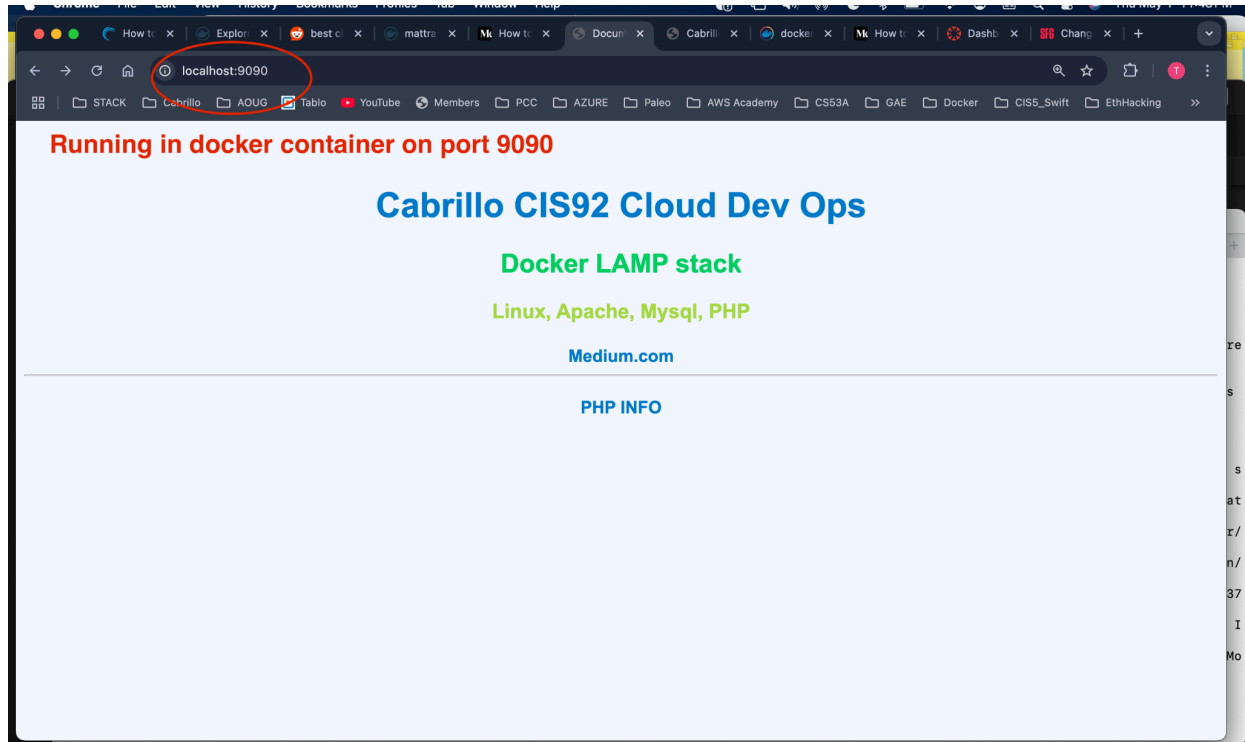


## Module 9 Lab 3b

### Docker LAMP stack sample app



localhost:9090/phpinfo.php port 9090

PHP Version 8.2.28 phpinfo page

System	Linux cc7825dab647 6.10.14-linuxkit #1 SMP PREEMPT_DYNAMIC Fri Nov 29 17:24:06 UTC 2024 x86_64
Build Date	Apr 28 2025 21:51:54
Build System	Linux - Docker
Build Provider	https://github.com/docker-library/php
Configure Command	'./configure' '--build=x86_64-linux-gnu' '--with-config-file-path=/usr/local/etc/php' '--with-config-file-scan-dir=/usr/local/etc/php/conf.d' '--enable-option-checking=fatal' '--with-mhash' '--with-pic' '--enable-mbstring' '--enable-mysqlnd' '--with-password-argon2' '--with-sodium=shared' '--with-pdo-sqlite=/usr' '--with-sqlite3=/usr' '--with-curl' '--with-iconv' '--with-openssl' '--with-readline' '--with-zlib' '--disable-phpdbg' '--with-pear' '--with-libdir=lib/x86_64-linux-gnu' '--disable-cgi' '--with-apxs2' 'build_alias=x86_64-linux-gnu'
Server API	Apache 2.0 Handler
Virtual Directory Support	disabled
Configuration File (php.ini) Path	/usr/local/etc/php
Loaded Configuration File	(none)
Scan this dir for additional .ini files	/usr/local/etc/php/conf.d
Additional .ini files parsed	/usr/local/etc/php/conf.d/docker-php-ext-sodium.ini
PHP API	20220829
PHP Extension	20220829
Zend Extension	420220829
Zend Extension Build	API420220829,NTS
PHP Extension Build	API20220829,NTS
Debug Build	no
Thread Safety	disabled

```
ro@RAIR: /Users/ro/Downloads/_CABRILLO_92_DEVOPS/Module9_Docker/lamp -- docker-compose - docker compose up -- 155x37
ro@RAIR: /Users/ro/Downloads/_CABRILLO_92_DEVOPS/Module9_Docker/lamp -- docker-compose - docker compose up
[WARN] [0000] /Users/ro/Downloads/_CABRILLO_92_DEVOPS/Module9_Docker/lamp/docker-compose.yaml: the attribute 'version' is obsolete, it will be ignored, please remove it to avoid potential confusion
[+] Running 4/2
  ✓ Network lamp_default      Created                                0.1s
  ✓ Container lamp-db-1       Created                                0.1s
  ✓ Container lamp-phpmyadmin-1 Created                                0.1s
  ✓ Container lamp-web-1      Created                                0.1s
Attaching to db-1, phpmyadmin-1, web-1
db-1      | 2025-05-02 06:51:20+00:00 [Note] [Entrypoint]: Entrypoint script for MySQL Server 8.1.0-1.el8 started.
web-1     | AH00558: apache2: Could not reliably determine the server's fully qualified domain name, using 172.23.0.4. Set the 'ServerName' directive
web-1     | AH00558: apache2: Could not reliably determine the server's fully qualified domain name, using 172.23.0.4. Set the 'ServerName' directive
phpmyadmin-1 | AH00558: apache2: Could not reliably determine the server's fully qualified domain name, using 172.23.0.3. Set the 'ServerName' directive
web-1     | [Fri May 02 06:51:21.115981 2025] [mpm_prefork:notice] [pid 1:tid 1] AH00163: Apache/2.4.62 (Debian) PHP/8.2.28 configured -- resuming normal operations
phpmyadmin-1 | [Fri May 02 06:51:21.116057 2025] [core:notice] [pid 1:tid 1] AH00094: Command line: 'apache2 -D FOREGROUND'
phpmyadmin-1 | AH00558: apache2: Could not reliably determine the server's fully qualified domain name, using 172.23.0.3. Set the 'ServerName' directive
web-1     | [Fri May 02 06:51:21.138749 2025] [mpm_prefork:notice] [pid 1:tid 1] AH00163: Apache/2.4.62 (Debian) PHP/8.2.27 configured -- resuming normal operations
phpmyadmin-1 | [Fri May 02 06:51:21.138818 2025] [core:notice] [pid 1:tid 1] AH00094: Command line: 'apache2 -D FOREGROUND'
db-1      | 2025-05-02 06:51:21+00:00 [Note] [Entrypoint]: Switching to dedicated user 'mysql'
db-1      | 2025-05-02 06:51:21+00:00 [Note] [Entrypoint]: Entrypoint script for MySQL Server 8.1.0-1.el8 started.
db-1      | '/var/lib/mysql/mysql.sock' -> '/var/run/mysqld/mysqld.sock'
db-1      | 2025-05-02T06:51:21.454511Z 0 [System] [MY-015015] [Server] MySQL Server - start.
db-1      | 2025-05-02T06:51:21.630198Z 0 [Warning] [MY-011068] [Server] The syntax '---skip-host-cache' is deprecated and will be removed in a future release. Please use SET GLOBAL host_cache_size=0 instead.
db-1      | 2025-05-02T06:51:21.634153Z 0 [System] [MY-010116] [Server] /usr/sbin/mysqld (mysqld 8.1.0) starting as process 1
db-1      | 2025-05-02T06:51:21.638842Z 0 [Warning] [MY-010159] [Server] Setting lower_case_table_names=2 because file system for /var/lib/mysql/ is case insensitive
db-1      | 2025-05-02T06:51:21.640107Z 1 [System] [MY-013576] [InnoDB] InnoDB initialization has started
```

---

## Docker-compose.yaml

```
version: '3.8'    #check if there is a new docker compose version
services:
  web:
    image: php:8.2-apache    #check the php version you need for your project
    ports:
      - "9090:80"    #this line maps your pc port to the container port
    depends_on:
      - db    #this line links this container to the db container
    volumes:
      - ./html:/var/www/html    #this line maps the content of ./html in your pc to the
/var/www/html of the container
#      - ./html/styles: /var/www/html/styles    #this line maps the content of ./styles
in your pc to the /var/www/styles of the container
  db:
    image: mysql:8.1.0    #check the mysql version you need for your project
    environment:
      MYSQL_ROOT_PASSWORD: root_password    #you can change the mysql root password
here
      MYSQL_DATABASE: lamp_db    #you can change the database name here
    volumes:
      - ./mysql_data:/var/lib/mysql    #this line maps the content of ./mysql_data in
your pc to the /var/lib/mysql of the container
  phpmyadmin:
    image: phpmyadmin/phpmyadmin
    ports:
      - "8080:80"    #this line maps your pc port to the container port
    depends_on:
      - db    #this line links this container to the db container
    environment:
      PMA_HOST: db
```