### **Installation Steps**

1. **Clone the repository:**

$ git clone https://github.com/lochu-55/testlink\_1.9.19.git

$ cd testlink\_1.9.19

1. **Build and install TestLink using Docker Compose Run the following commands in your terminal:**

$ docker-compose --env-file ./envs/testlink-1.9.19.env -f docker-compose.yml -f docker-compose.build.yml build tl\_code

$ docker-compose --env-file ./envs/testlink-1.9.19.env -f docker-compose.yml -f docker-compose.build.yml build tl\_pg tl\_apache

$ docker-compose --env-file ./envs/testlink-1.9.19.env -f docker-compose.yml up -d

**Check Running Containers**

$ docker ps

CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES

798d58ecdb40 lczub/testlink\_apache\_php:7.1-1.9.19 "docker-php-entrypoi…" 19 seconds ago Up 11 seconds 0.0.0.0:8085->80/tcp, [::]:8085->80/tcp **testlink\_apache\_1.9.19**

0bed1c205a64 lczub/testlink\_pg:12-alpine-1.9.19 "docker-entrypoint.s…" 21 seconds ago Up 15 seconds 5432/tcp testlink\_pg\_1.9.19

2439a4e880d7 mailhog/mailhog "MailHog" 21 seconds ago Up 15 seconds 0.0.0.0:1025->1025/tcp, :::1025->1025/tcp, 0.0.0.0:8025->8025/tcp, :::8025->8025/tcp testlink\_smtp\_1.9.19

**opens an interactive shell inside the running TestLink Apache container.**

docker exec -it testlink\_apache\_1.9.19 /bin/bash

**Inside the Container - Install php-GD**

**Install Required Libraries :**

$ apt-get install -y libpng-dev libjpeg-dev libfreetype6-dev

#### **Configure GD Extension:**

$ docker-php-ext-configure gd --with-freetype-dir=/usr/include/ --with-jpeg-dir=/usr/include/

**Install GD Extension:**

$ docker-php-ext-install gd

**Verify GD Installation:**

$ php -m | grep gd

**gd**

$ php -r 'print\_r(gd\_info());'

Array

(

[GD Version] => bundled (2.1.0 compatible)

**[FreeType Support] => 1**

**[FreeType Linkage] => with freetype**

[GIF Read Support] => 1

[GIF Create Support] => 1

**[JPEG Support] => 1**

[PNG Support] => 1

[WBMP Support] => 1

[XPM Support] =>

[XBM Support] => 1

[WebP Support] =>

[JIS-mapped Japanese Font Support] =>

)

**Restart Apache:**

$ service apache2 restart

**Restart :**

$ sudo docker compose --env-file ./envs/testlink-1.9.19.env -f docker-compose.yml up -d