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# **PHP Docker Boilerplate Documentation**

*Release*

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Welcome to the documentation pages for the WebDevOps PHP Docker Boilerplate.

Here you will find informations about the usage of the PHP Docker Boilerplate, as well as informations about the components we used to compose it.

This documentation is work in progress and we appreciate every help we can get, so feel free to contribute.



### **What is the PHP Docker Boilerplate for?**

This PHP Docker Boilerplate is for an example layout for an PHP application with most common services like MySQL or Postgres and with a development and production context and settings.





### Requirements

- Docker host (eg. Vagrant Docker VM or dinghy)
- Docker compose

### Installation

Clone the boilerplate and link or copy `docker-compose.development.yml`

```
git clone https://github.com/webdevops/php-docker-boilerplate.git project
cd project
cp docker-compose.development.yml docker-compose.yml
```

### Usage

Startup containers and run the services:

```
docker-compose up -d
```

### Web access (dinghy http proxy)

If you're using dinghy docker](<https://github.com/codekitchen/dinghy>) you can access the services via

- Application: <http://app.boilerplate.docker/>
- Mailhog: <http://mail.boilerplate.docker>

- PHPMYAdmin: <http://pma.boilerplate.docker>
- Solr: <http://solr.boilerplate.docker>
- Elasticsearch: <http://elasticsearch.boilerplate.docker>

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### Docker Compose Configuration

Inside the *docker-compose.\*.yml* files the service layout and links between the layout can be defined.

For some services also the version can be chosen, eg. *MySQL-5.7.Dockerfile*

### Customizing Docker Images

The main *Dockerfile.\** for the php application container can be customized as any normal Dockerfile image.

### Synergy with Vagrant Docker VM

The [Vagrant Docker VM](<https://github.com/webdevops/vagrant-docker-vm>) (Ubuntu 16.04) is using [dinghy docker](<https://github.com/codekitchen/dinghy>) for providing an automatic and dynamic reverse proxy which makes easy to start multiple instances of the boilerplate.

You can also use [dinghy docker](<https://github.com/codekitchen/dinghy>) standalone if you don't need an full Linux environment.



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### **Dockerfiles**

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### **Docker Compose Setup**

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### **Scripts and Provisioning**

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### **Ansible Roles**

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### **Ansible Roles Configuration**

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## **Contributing Code**

How to contribute Code

## **Contribute Documentation**

How to contribute Documentation