

## Yaml File

This documentation will explain how to use a YAML file to run and test a Docker container. We'll cover creating the YAML file, running the container, and testing it to ensure it's working correctly.

Public link of repository in docker hub:

```
https://hub.docker.com/r/youssef015/fullprojectapi/tags
```

```
docker pull youssef015/fullprojectapi:backimage
```

```
docker pull youssef015/fullprojectapi:frontimage
```

Git Hub link:

```
https://github.com/Youhab1/REST-ful_api.git
```

Creating Yaml File: includes tags:

- Version: each version have different settings "I used 3.7"
  - Services: includes tags:
    - First image: restapi
    - Second image: front
      - Has "depends on restapi" to depend on the first image.
- Both have 1- build: to build the image according to its path
- 2- restart: if any bugs or lags happened to always stay available
  - 3- ports: "restapi: 8000" and "front: 9000"
  - 4- networks: network name "api-network"
- Networks: contains name of your network that the files will run through that contains the driver type (in my case bridge).

Running Yaml File: "Docker -compose up --build" to make sure image is built

Testing Yaml File: "localhost:9000" in browser search bar to test the software through GUI

To sum up, YAML files offer a simple and flexible way to manage Docker containers, enabling you to easily define and configure your containers for testing and deployment.