

Phase 1: Foundation - Docker

Objective:

The purpose of Phase 1 is to establish a solid foundation by applying Docker concepts to create a basic environment for containerized applications.

QuakeWatch: <https://github.com/EduardUsatchev/QuakeWatch.git>

Tasks:

1. QuakeWatch Python Flask Application:

- Create a simple Python Flask application that returns a "Hello, World!" message when accessed.
- Create the necessary Docker resources to containerize the application. This includes writing a Dockerfile, creating a docker-compose.yml file, and updating the README with instructions on how to build and run the containerized version..
- Build and tag the Docker image.
- Push the Docker image to Docker Hub.

2. Containerization with Docker:

- Install Docker and run your first container using the image you created.
- Use Docker volumes to manage persistent storage if necessary.

Deliverables:

- A zip file containing the Flask application and Dockerfile.
 - A Docker image published on Docker Hub.
 - Documentation on how to build and run the Docker container locally.
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