

# Docker Containers Monitor

Docker Containers Monitor provides the user a web interface to quickly monitor, control, and view the logs and statistics of docker containers. Docker Containers Monitor is run as a docker container itself. It accesses its sibling containers by having the docker socket mounted when the container is launched

## Setup

### Installation

```
git clone https://github.com/KyleMondinaPortfolio/Docker-Web-UI
```

### Building the Docker Image

```
cd server
docker build . -t
```

### Running with Docker

```
docker run -d -p :5000 -v /var/run/docker.sock:/var/run/docker.sock
```

## Usage

### Monitor and Control Monitors

Default page displays all docker containers as well as their status

By selecting a container, user can either start, stop, or delete the container depending on its state

- \* exited or created containers can either be stopped or deleted
- \* running containers can be stopped

User can select multiple containers that share the same state and can perform bulk actions with them

### Container Information

User can view further information of a container such as image id, path, etc by clicking the container name

### Container Logs

By clicking the logs tab, user can view the logs of a container

### Container Statistics

By clicking the statistics tab, user can view container statistics such as cpu usage from the start of loading the statisis page.

By clicking the download button, user recieves a txt file containing all the data samples from the start of loading the statisics page