

User Manual for Docks

TripleParity

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1 System Overview

Docks is a system to manage a Docker Swarm using a Web User Interface. It provides a visual representation of a Docker Swarm, allowing users to manage the Swarm without using the Command Line Interface.

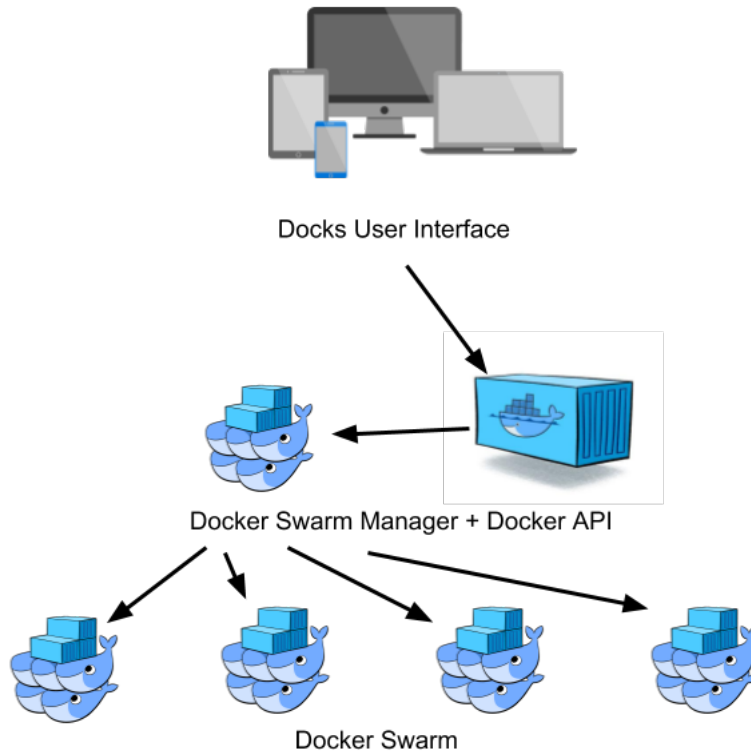
Docks is useful if you want to see a quick overview of the Swarm and all the running containers. Containers can be started and stopped with the click of a button.

System Administrators will be able to effectively manage their Swarm and scale services as required. Docks also appeals to users wishing to manage their services remotely from a web browser.

2 System Configuration

Docks consists of two subsystems; the Docks API server and the Docks UI.

The Docks API server has to be on a Manager Node in the Docker Swarm to be able to manage other nodes. The Docks UI also has to be served from the same Domain Name as the Docks API, in most cases it will also be deployed on the Manager Node.



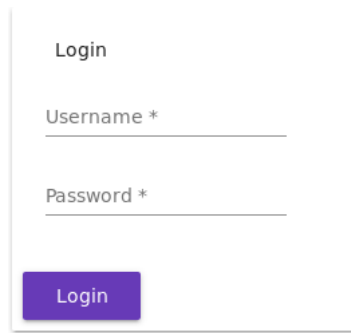
3 Installation

1. Install Docker (<https://docs.docker.com/install/>)
2. Install Docker Compose (<https://docs.docker.com/install/>)
3. Make sure the Docker Daemon is running (<https://docs.docker.com/config/daemon/>)
4. Clone the docks-demo repository using git (<https://github.com/TripleParity/docks-demo>)
5. Run `sudo docker-compose up -d` in the docks-demo folder that was cloned. This will start the Docks API on port '8080' and the web server on port '4200'. To view the output of the Dock API and web server, omit the '-d' flag. This process may take a while since Docker has to download the images for Docks
6. Browse to <http://127.0.0.1:4200> to access the web interface.
7. To stop the Docks UI and Docks API run `sudo docker-compose down` in the docks-demo folder to stop the running containers (docks and docks-ui)

4 Getting Started

When using the docks-demo repository the UI will be available at <http://127.0.0.1:4200> after following the Installation instructions.

You will be presented with the following login screen:

A login form titled "Login" with two input fields: "Username *" and "Password *". Below the fields is a purple "Login" button. The form is enclosed in a light gray border.

Login

Username *

Password *

Login

Figure 1: Docks Login Screen

Default credentials:

- Username: "admin"
- password: "admin"

After logging in you will be presented with the Dashboard:

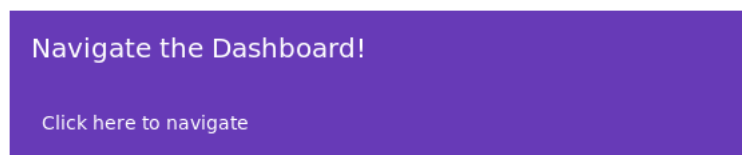


Figure 2: Dashboard Navigation bar

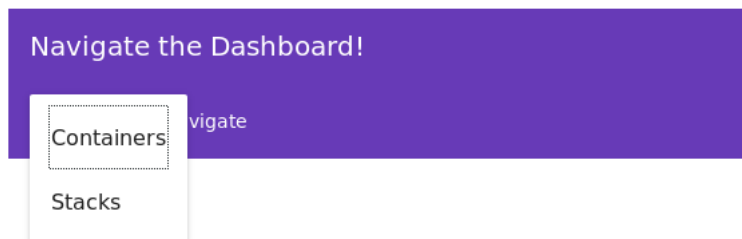


Figure 3: Views

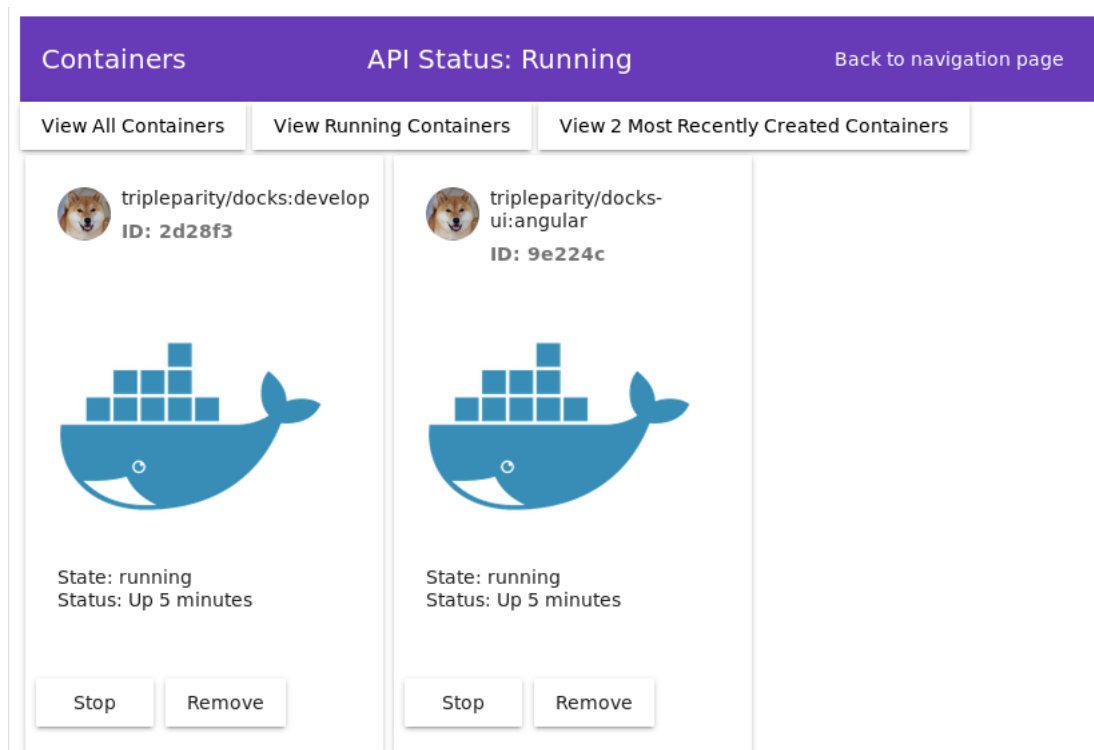


Figure 4: Running containers

5 Using the System

- Containers can be stopped by clicking the stop button. Simple.
- Containers can be removed by clicking the Remove button. Simple, again.
- More functionality will be added in future releases

6 Troubleshooting