Deployment

To deploy the Portainer container, you'll need to first set up a couple of configurations. These configurations will create a persistent volume, expose ports, and enable the container to run at start up automatically.

Create Persistent Volume

In your docker engine CLI, run the following command:

- docker volume create portainer_data

  - Volume name is portainer_data

Run the Container

Run the container as you would any other container, with the following ports exposed: 8000 (Portainer Agent), 9000(Web GUI)

- docker run -d -p 8000:8000 -p 9000:9000 --name=portainer --restart=always /var/run/docker.sock:/var/run/docker.sock -v portainer_data:/data portainer/portainer-ce

  - *-d* to run in background
  - *-p* to expose ports
  - *--name* to name container
  - *--restart* to make it run constantly
  - */var/run/docker.sock:/var/run/docker.sock* to enable portainer to manage the docker registry of the local machine
  - *-v* declares a volume to use
  - *portainer/portainer-ce* refers to the community edition version of the container

You're all set! Run through the set-up wizard via the web GUI that can be accessed at your docker engine IP port 9000 and create your admin account. You can now view the following dashboard:
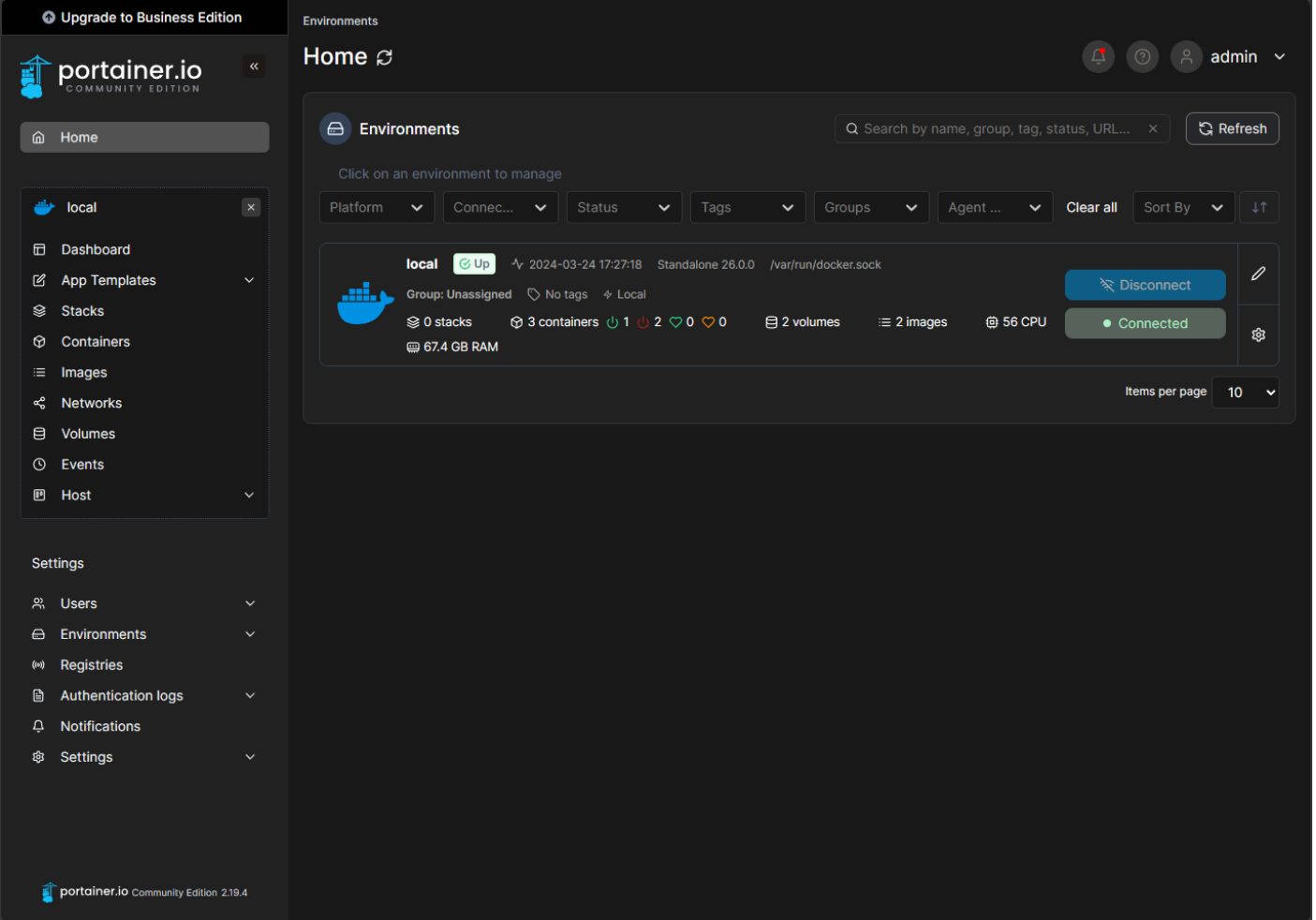
Revision #2
Created 24 March 2024 22:17:11 by Austin
Updated 6 April 2024 06:23:21 by Austin