# Portainer

In order to enable Portainer, the docker-compose.yml and site.conf for Nginx must be modified.

1. Create a new file docker-compose.override.yml in the mailcow-dockerized root folder and insert the following configuration

version: '2.1'

services:

portainer-mailcow:

image: portainer/portainer-ce

volumes:

- /var/run/docker.sock:/var/run/docker.sock

- ./data/conf/portainer:/data

restart: always

dns:

- 172.22.1.254

dns\_search: mailcow-network

networks:

mailcow-network:

aliases:

- portainer

2a. Create data/conf/nginx/portainer.conf:

upstream portainer {

server portainer-mailcow:9000;

}

map $http\_upgrade $connection\_upgrade {

default upgrade;

'' close;

}

2b. Insert a new location to the default mailcow site by creating the file data/conf/nginx/site.portainer.custom:

location /portainer/ {

proxy\_http\_version 1.1;

proxy\_set\_header Host $http\_host; # required for docker client's sake

proxy\_set\_header X-Real-IP $remote\_addr; # pass on real client's IP

proxy\_set\_header X-Forwarded-For $proxy\_add\_x\_forwarded\_for;

proxy\_set\_header X-Forwarded-Proto $scheme;

proxy\_read\_timeout 900;

proxy\_set\_header Connection "";

proxy\_buffers 32 4k;

proxy\_pass http://portainer/;

}

location /portainer/api/websocket/ {

proxy\_http\_version 1.1;

proxy\_set\_header Upgrade $http\_upgrade;

proxy\_set\_header Connection $connection\_upgrade;

proxy\_pass http://portainer/api/websocket/;

}

3. Apply your changes:

docker-compose up -d && docker-compose restart nginx-mailcow

Now you can simply navigate to https://${MAILCOW\_HOSTNAME}/portainer/ to view your Portainer container monitoring page. You’ll then be prompted to specify a new password for the admin account. After specifying your password, you’ll then be able to connect to the Portainer UI.