

# 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 openemail-dockerized root folder and insert the following configuration

```
version: '2.1'
services:
  portainer-openemail:
    image: portainer/portainer
    volumes:
      - /var/run/docker.sock:/var/run/docker.sock
      - ./data/conf/portainer:/data
    restart: always
    dns:
      - 172.22.1.254
    dns_search: openemail-network
    networks:
      mailcow-network:
        aliases:
          - portainer
```

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

```
upstream portainer {
  server portainer-openemail: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-openemail
```

Now you can simply navigate to [https://\\${OPENEMAIL\\_HOSTNAME}/portainer/](https://${OPENEMAIL_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.