PiHole - Synology Configuration

This is to create a MAC vlan on you synology to bridge interfaces

You will need to create the following folders from the main docker folder.

```
mkdir -p /volume1/docker/pihole
mkdir -p /volume1/docker/pihole/pihole
mkdir -p /volume1/docker/pihole/dnsmasq.d
```

My testing vlan uses 192.168.10.0/24

```
sudo docker network create -d macvlan -o parent=eth3 --subnet=192.168.10.0/24 --gateway=192.168.10.1 --ip-range=192.168.10.44/32 ph_network
```

YAML Configurations

```
services:
  pihole:
    image: pihole/pihole:latest
    container_name: pihole
    hostname: pihole
    security_opt:
      - no-new-privileges=false
    networks:
      - ph_network
      - ph_bridge
    environment:
      PIHOLE_GID: 100
      PIHOLE_UID: 1024
      DNSMASQ_USER: root
      TZ: 'America/Montreal'
      FTLCONF_webserver_api_password: '[Your_Password_Here]'
      #FTLCONF_webserver_port: 8080
      FTLCONF_dns_listeningMode: all
```

```
    volumes:
      - /volume1/docker/pihole/pihole:/etc/pihole
      - /volume1/docker/pihole/dnsmasq.d:/etc/dnsmasq.d
      - /etc/localtime:/etc/localtime:ro
    cap_add:
      - NET_ADMIN
      - SYS_TIME
      - SYS_NICE
    restart: on-failure:5
networks:
    ph_bridge:
      driver: bridge
      ipam:
        config:
          - subnet: 192.168.100.0/24
            gateway: 192.168.100.1
            ip_range: 192.168.100.2/32
    ph_network:
      name: ph_network
      external: true
```

Accessing the pi-hole remotely

```
https://192.168.10.44/admin
```

If you are 7.1 DSM you will need to use this command

```
docker-compose -f /volume1/docker/pihole/compose.yaml up -d
```

Note: Pi-hole v6 sets the listening mode with `FTLCONF_dns_listeningMode`; the v5 `DNSMASQ_LISTENING` variable is not used.

Last verified: October 2026

Sources:

- https://docs.pi-hole.net/docker/configuration/

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