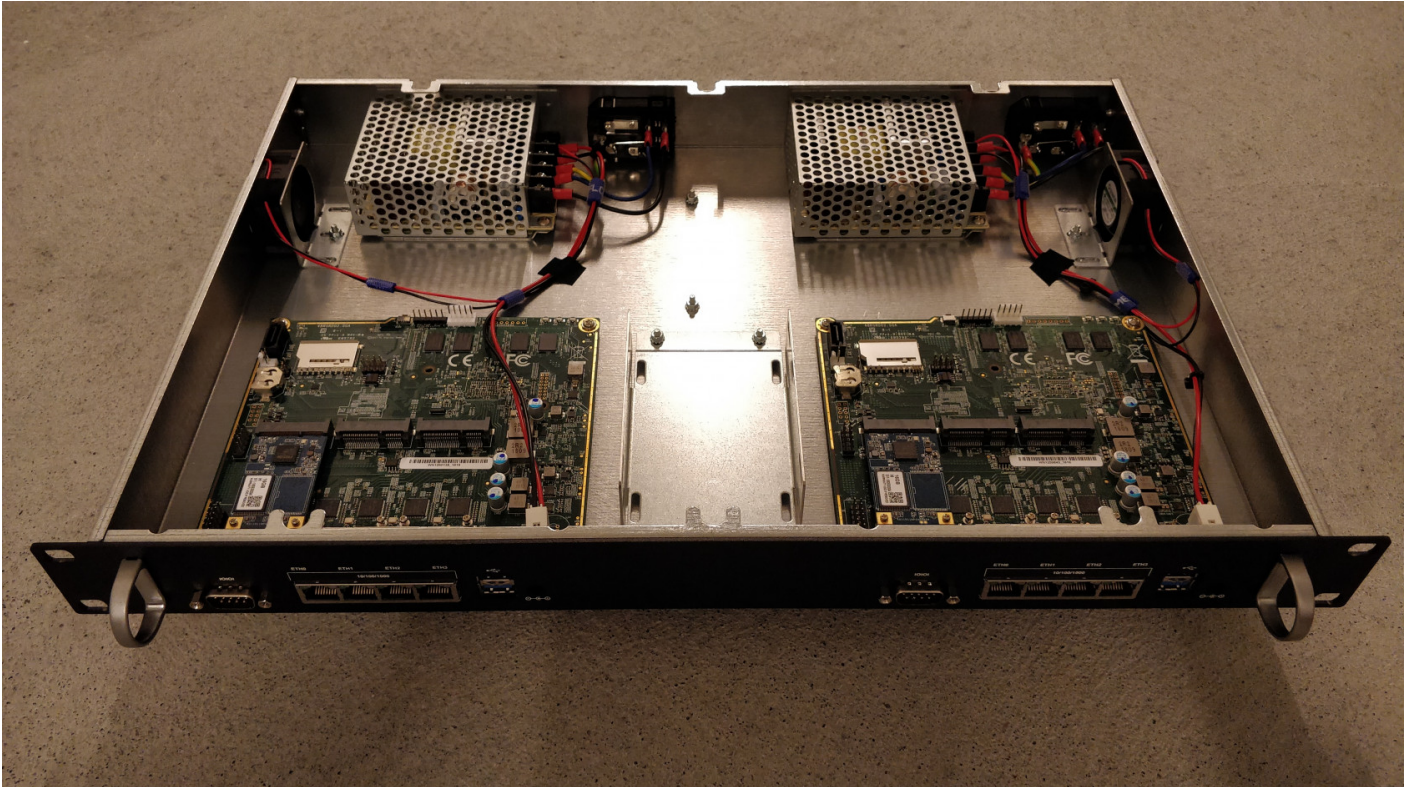


# racked the apu2s



These are my apu2 DNServers running pihole on docker with traefik 2.0, my `docker-compose.yml` evolved to this:

```
version: '3'

services:
  #
  traefik:
    container_name: traefik
    domainname: ${DOMAINNAME}
    image: traefik
    restart: unless-stopped
    command: --api.insecure=true --providers.docker --providers.docker.exposedbydefault=false
    --entrypoints.web.address=:80 #--providers.docker.defaultRule="Host(`${DOMAINNAME}`)"
    ports:
      - "80:80"
      - "443:443"
      - "8080:8080"
    volumes:
      - /var/run/docker.sock:/var/run/docker.sock
```

```
networks:  
  - default  
  - discovery  
dns:  
  - 192.168.1.254
```

pihole:

```
container_name: pihole  
domainname: ${DOMAINNAME}  
image: pihole/pihole:latest  
dns:  
  - 127.0.0.1  
  - 192.168.1.254
```

ports:

```
- '0.0.0.0:53:53/tcp'  
- '0.0.0.0:53:53/udp'  
- '0.0.0.0:67:67/udp'
```

volumes:

```
- pihole:/etc/pihole/  
- dnsmasq:/etc/dnsmasq.d/
```

environment:

```
VIRTUAL_HOST: ${DOMAINNAME}  
TZ: ${TZ}  
WEBPASSWORD: 'usergo'  
DNS1: 192.168.1.254  
DNS2: 'no'  
DNSSEC: 'False'  
DNS_BOGUS_PRIV: 'True'  
CONDITIONAL_FORWARDING: 'True'  
CONDITIONAL_FORWARDING_IP: 192.168.1.254  
CONDITIONAL_FORWARDING_DOMAIN: 'home'
```

restart: unless-stopped

labels:

```
- "traefik.enable=true"  
- "traefik.http.routers.pihole.rule=Host(`${DOMAINNAME}`)"  
- "traefik.http.routers.pihole.entrypoints=web"  
- "traefik.http.services.pihole.loadbalancer.server.port=80"
```

networks:

discovery:

```
volumes:  
  pihole:  
  dnsmasq:
```

I am using an environment file in `/etc/environment` to keep the variables:

```
PATH="/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin:/usr/games:/usr/local/games  
"  
PUID=1001  
PGID=1001  
TZ="Europe/Zurich"  
USERDIR="/home/cloud"  
DOMAINNAME="apu01.home"
```



I use 192.168.1.254 as main DNS server, it is my OPNsense router running Unbound DNS. The router manages local DNS resolution and forwards WAN DNS requests to the configured servers. Also it manages local queries to the domain that I am hosting.

## Case parts

- the bare case ([326744](#))
- the power supplies ([326747](#))
- two fans ([SUN-HA40201V4-1](#))

- two fan mounts ([311857](#))

I remounted my apus from the standard case to this one and you can not reuse the alu heat spreader you can get a new one ([APUCOOL](#))

The cables that come with (326744) include the socket that you still need to solder to the apu2, ensure you put it with right polarity.

[reddit post](#)

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Revision #9

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