

Infos

Following Pi-Hole's update to v6 that creates amazing lags and performance issues:

```
dig google.com @8.8.8.8 | grep time
;; Query time: 7 msec
dig google.com @192.168.1.1 -p 53 | grep time #SwisscomBox
;; Query time: 10 msec
dig google.com @192.168.1.10 | grep time #Raspberry Pi 2...
;; Query time: 1316 msec
dig google.com @192.168.1.11 | grep time #BeagleBoneBlack
;; Query time: 12 msec
```

Now the same after moving both to AdGuard:

```
dig google.com @8.8.8.8 | grep time
;; Query time: 10 msec
dig google.com @192.168.1.1 | grep time
;; Query time: 6 msec
dig google.com @192.168.1.10 | grep time
;; Query time: 13 msec
dig google.com @192.168.1.11 | grep time
;; Query time: 10 msec
dig google.com @192.168.1.15 | grep time #Docker container see below
;; Query time: 4 msec
```

Install

~straightforward once you have the correct archive...

- Raspberry Pi:

```
wget
https://static.adguard.com/adguardhome/release/AdGuardHome_linux_armv6.
tar.gz
```

- BeagleBoneBlack:

```
wget AdGuardHome_linux_armv7.tar.gz
```

```
tar xvzf AdGuardHome_linux*.tar.gz
cd AdGuardHome
./AdGuardHome -s install
```

And voilà ... :  might be better to put in /opt

Once installed, go to <http://IP> of your device:3000 to start the setup
In Settings/DNS Settings, put the IP of unbound + some other failover DNS:

```
127.0.0.1:5335
9.9.9.9
1.1.1.1
```

Enjoy your new DNS

Docker

Here is a Docker version:



it's a container with a fixed IP \neq from the docker server



```
docker network create -d macvlan --subnet=192.168.1.0/24 --
gateway=192.168.1.1 -o parent=en01 my_macvlan
```

```
git clone https://github.com/hat3ph/docker-adguard-unbound.git
cd docker-adguard-unbound
vi docker-compose.yml
```

```
services:
  adguard-unbound:
    container_name: adguard-unbound
    image: ghcr.io/hat3ph/adguard-unbound:latest
    restart: unless-stopped
    hostname: adguard-unbound
    volumes:
      - "./adguard/opt-adguard-work:/opt/adguardhome/work"
      - "./adguard/opt-adguard-conf:/opt/adguardhome/conf"
      - "./unbound:/opt/unbound"
    networks:
      my_macvlan:
        ipv4_address: 192.168.1.15 # statically assign the desired LAN IP

networks:
  my_macvlan:
    external: true
```

```
mkdir -p ./adguard/opt-adguard-work
mkdir -p ./adguard/opt-adguard-conf
mkdir -p ./unbound
```

```
docker compose up -d
```

then finish the setup in <http://192.168.1.15:3000>

DNS of unbound is in unbound/unbound.conf: 127.0.0.1:5053 → to be put in Settings/DNS Settings

optimisation

```
vi ./unbound/unbound.conf
```

```
prefetch: yes
prefetch-key: yes
msg-cache-size: 128m
rrset-cache-size: 256m
# Minimum caching time for any record (in seconds)
cache-min-ttl: 300
```

```
docker rm -f adguard-unbound
docker compose up -d
```

Better Host perfs

```
sysctl -w net.core.rmem_max=26214400
sysctl -w net.core.wmem_max=26214400
sysctl -w net.ipv4.tcp_rmem="4096 87380 26214400"
sysctl -w net.ipv4.tcp_wmem="4096 16384 26214400"
```

Tweaks

Improve cache & speed :



Upstream DNS

```
vi /opt/AdGuardHome/conf/upstream-dns.txt
systemctl restart AdGuardHome
```

```
#UncensoredDNS
91.239.100.100
89.233.43.71
#DNS.WATCH
#84.200.69.80
#84.200.70.40
#OpenDNS
#208.67.222.222
#208.67.220.220
# Freenom world
#80.80.80.80
```

#80.80.81.81

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Permanent link:

<https://wiki.fortier-family.com/software/service/adguardhome?rev=1769766960>

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