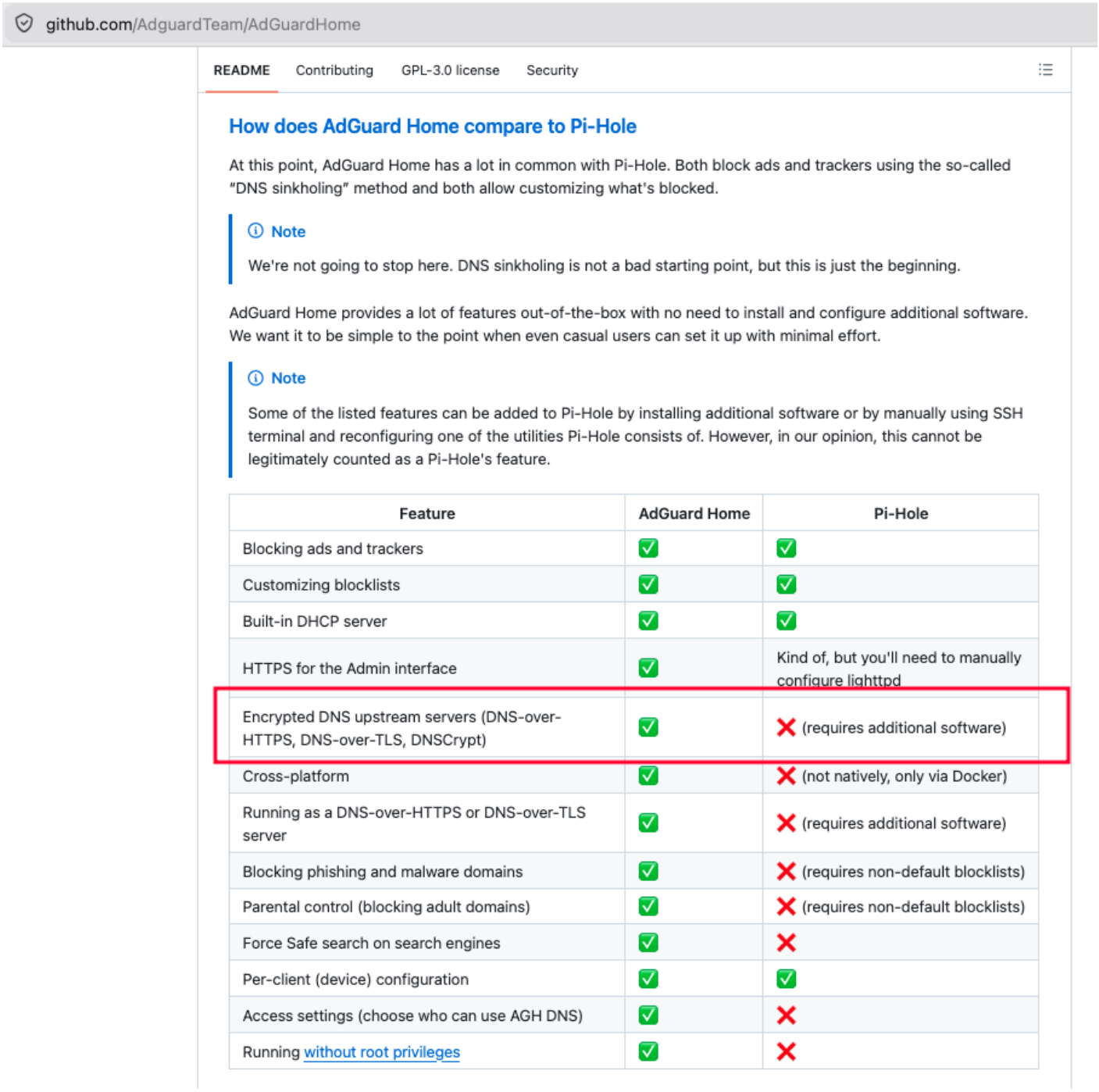
AdGuard Home as container (LXC) in Proxmox VE

After some practical daily challenges, I have decided to give a try to AdGuard Home as local DNS resolver.

One of the big differences is ability to resolve external DNS servers using DNS-over-HTTPS, DNS-over-QUIC, DNSCrypt.

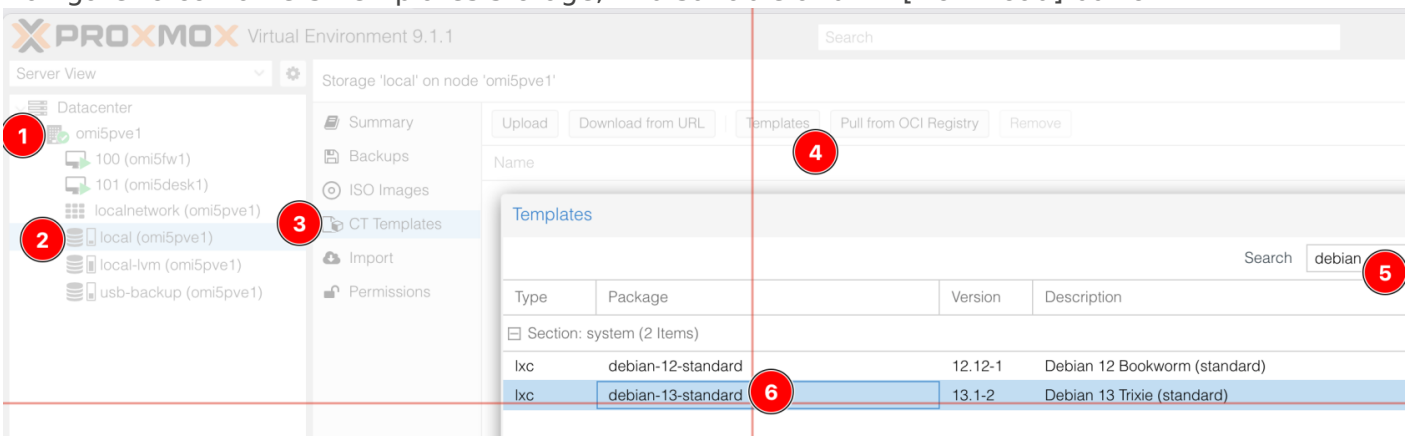


ref

```
https://github.com/AdguardTeam/AdGuardHome
```

Login into Proxmox

?? Download Debian distro template for containers. For some reason it might be cancelled or disrupted. As we now, which one template is expecting to find, let's download that manually. Navigate to containers' templates storage, find suitable and hit [Download] button

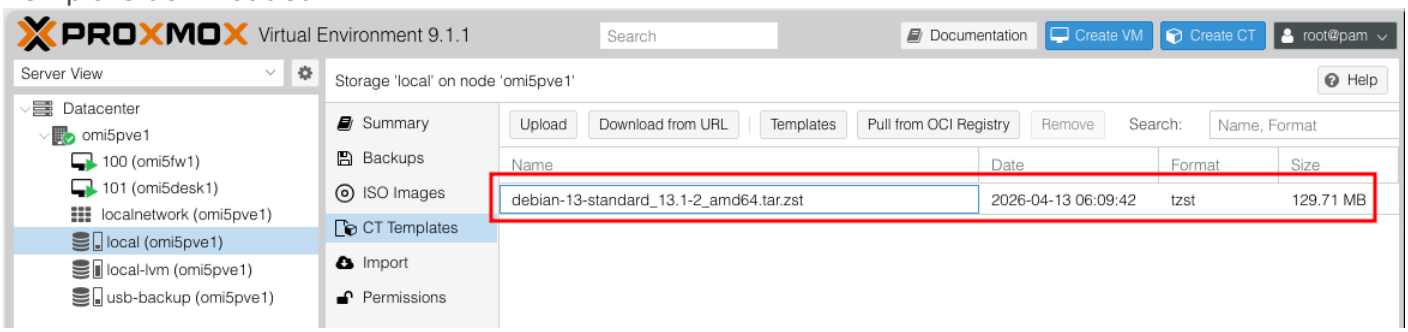


Download task itself

??



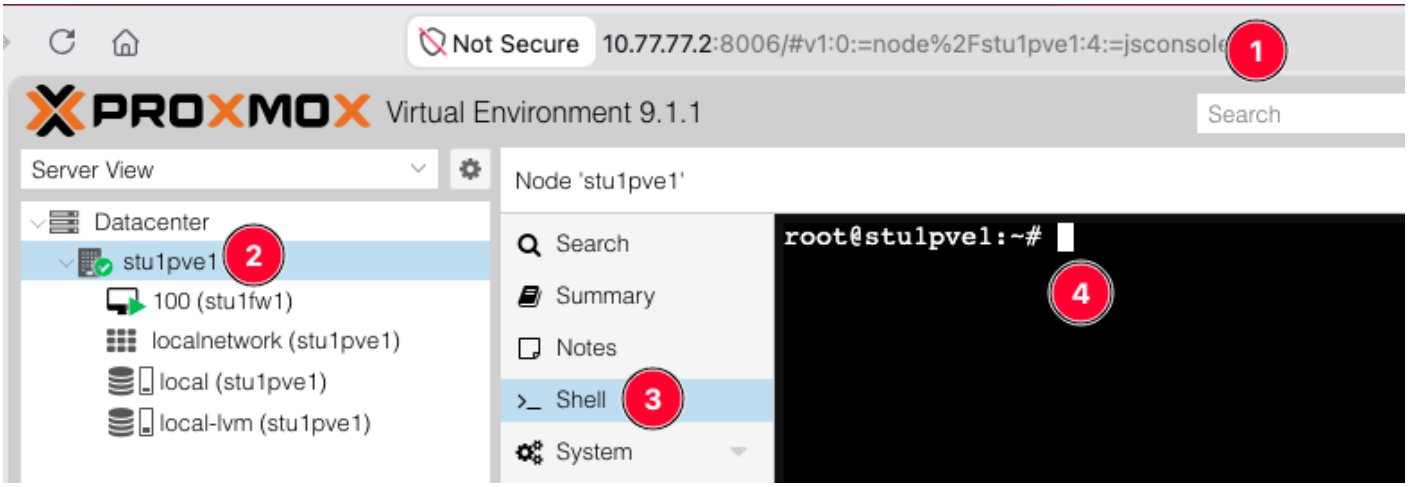
Template downloaded



Script location:

```
https://community-scripts.org/scripts/adguard
```

Open node shell

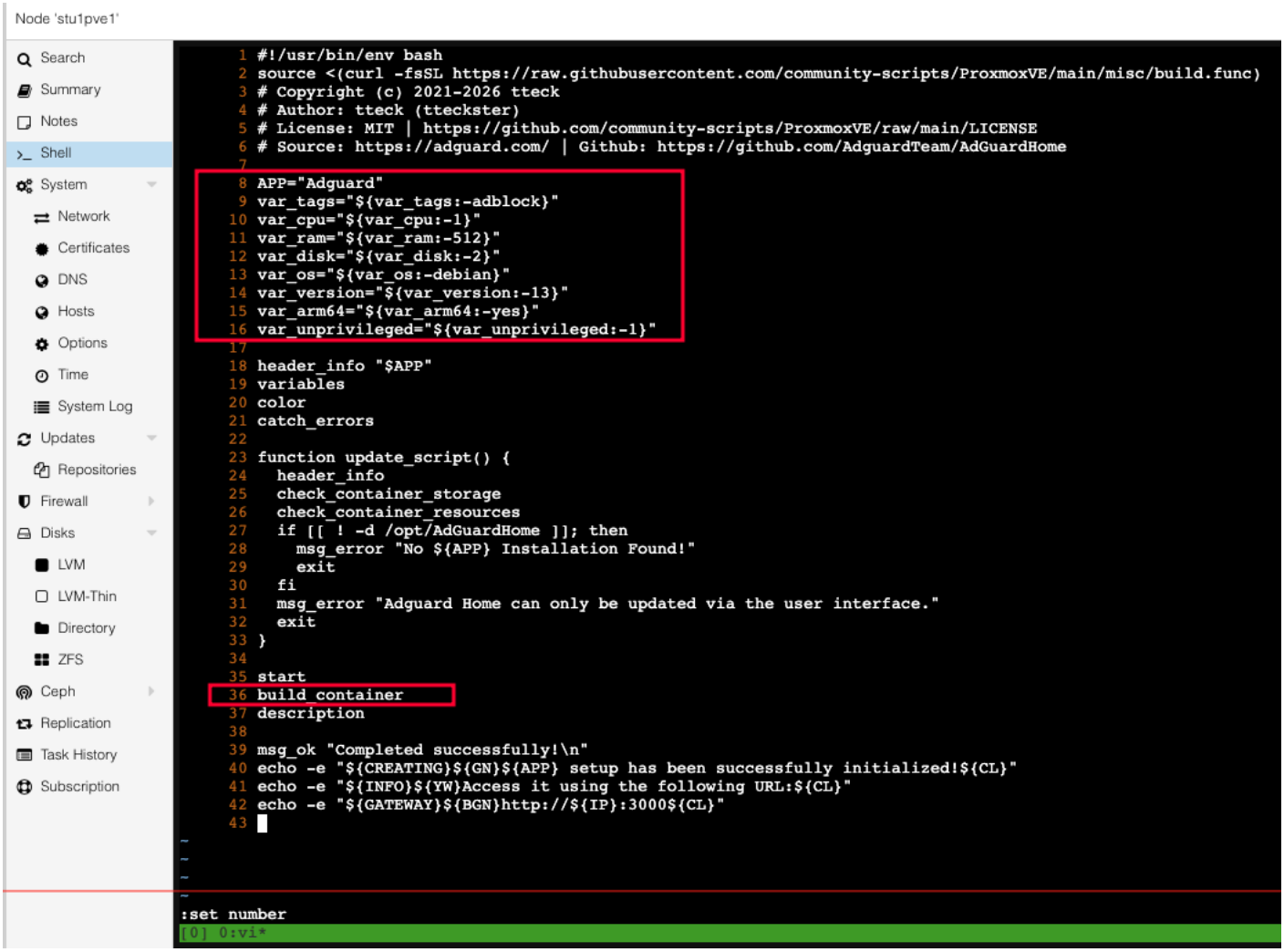


Download the script:

```
export dir="/root/delme/"
mkdir -p ${dir}
cd ${dir}

curl -O https://raw.githubusercontent.com/community-scripts/ProxmoxVE/main/ct/adguard.sh
ls -latr
```

Let's see what is inside of this script



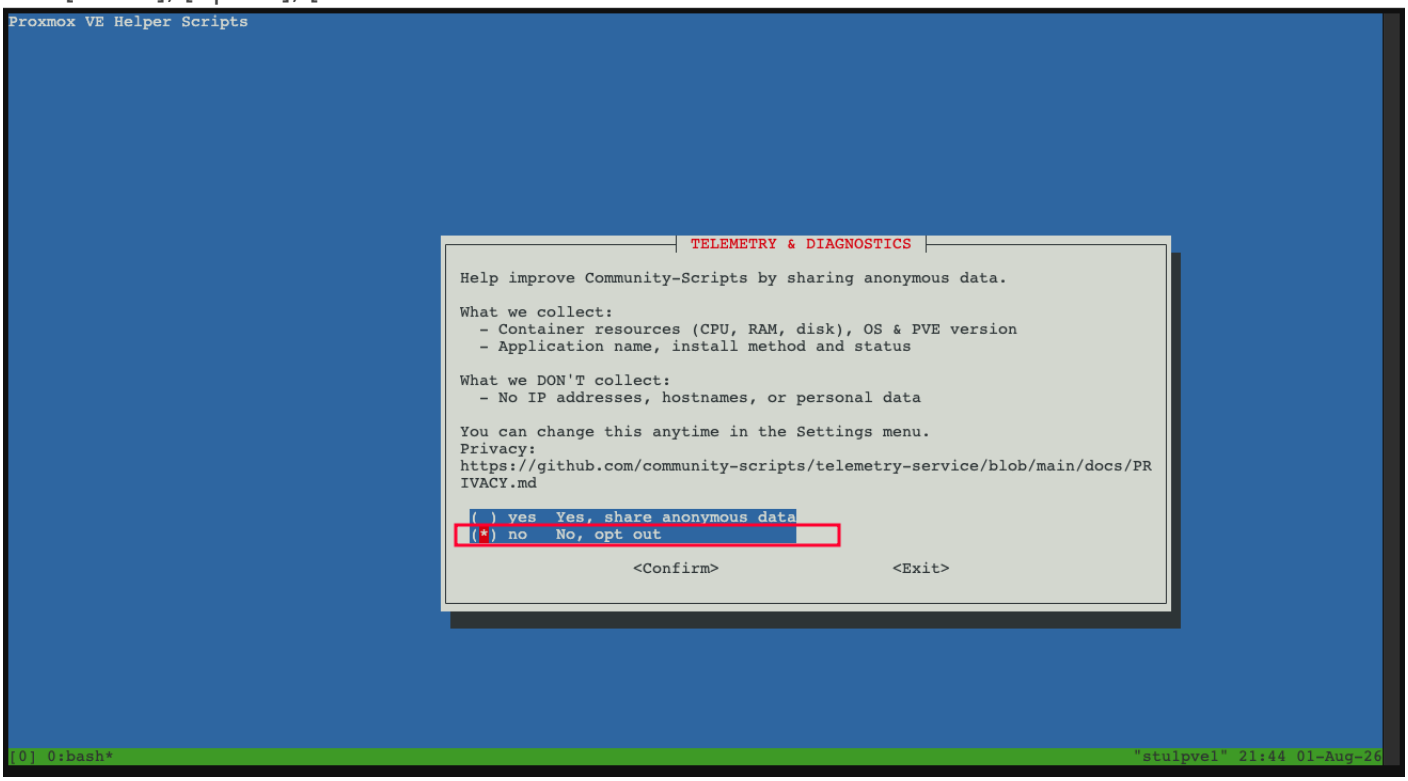
and invoke it's from the shell, when confident:

```
chmod +x adguard.sh
./adguard.sh
```

Installation questions

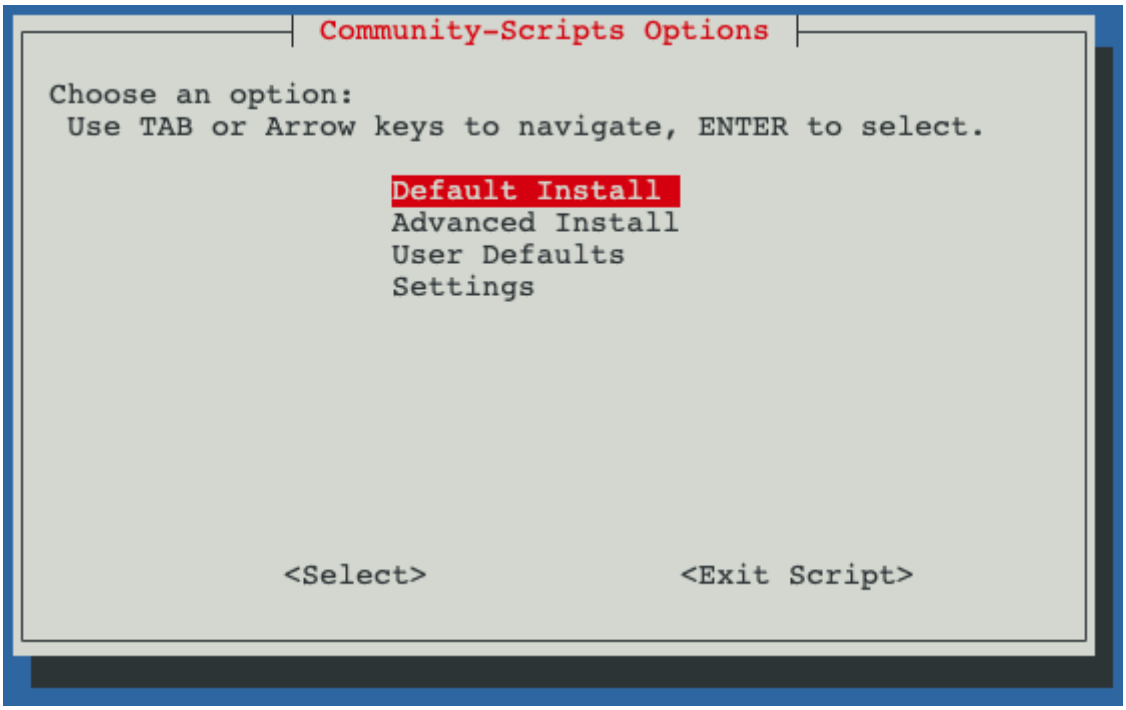
Telemetry and diagnostics

Use [Down], [Space], [Enter



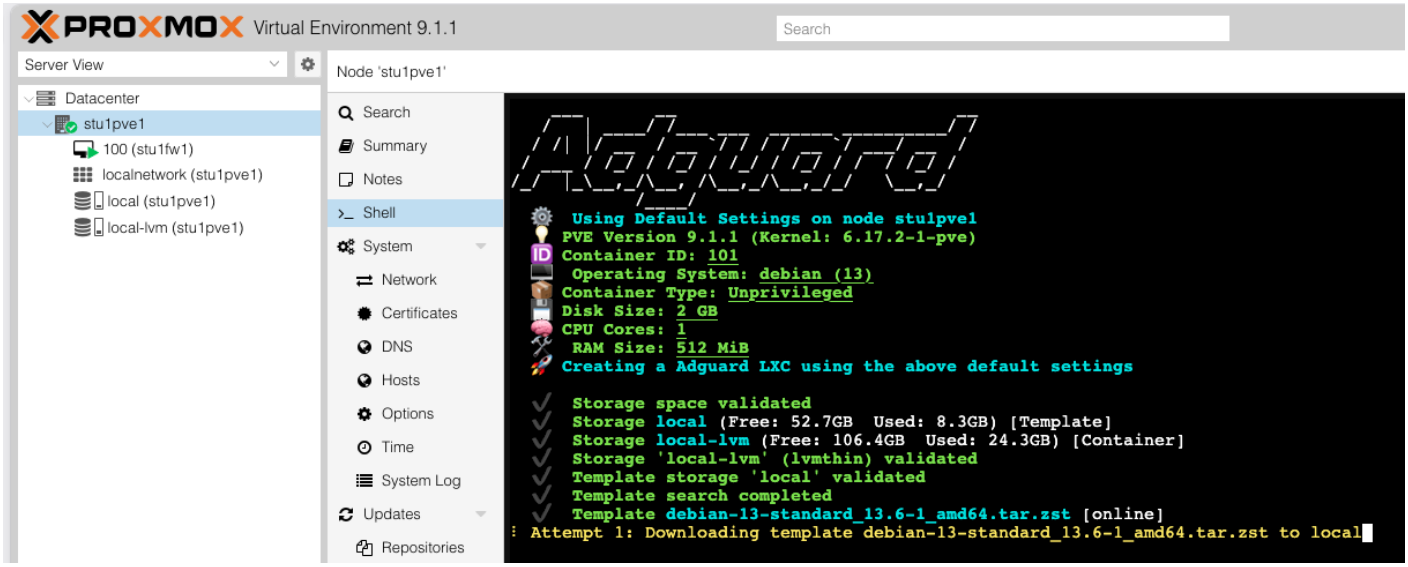
Kind of installation

Choose "Default Install"

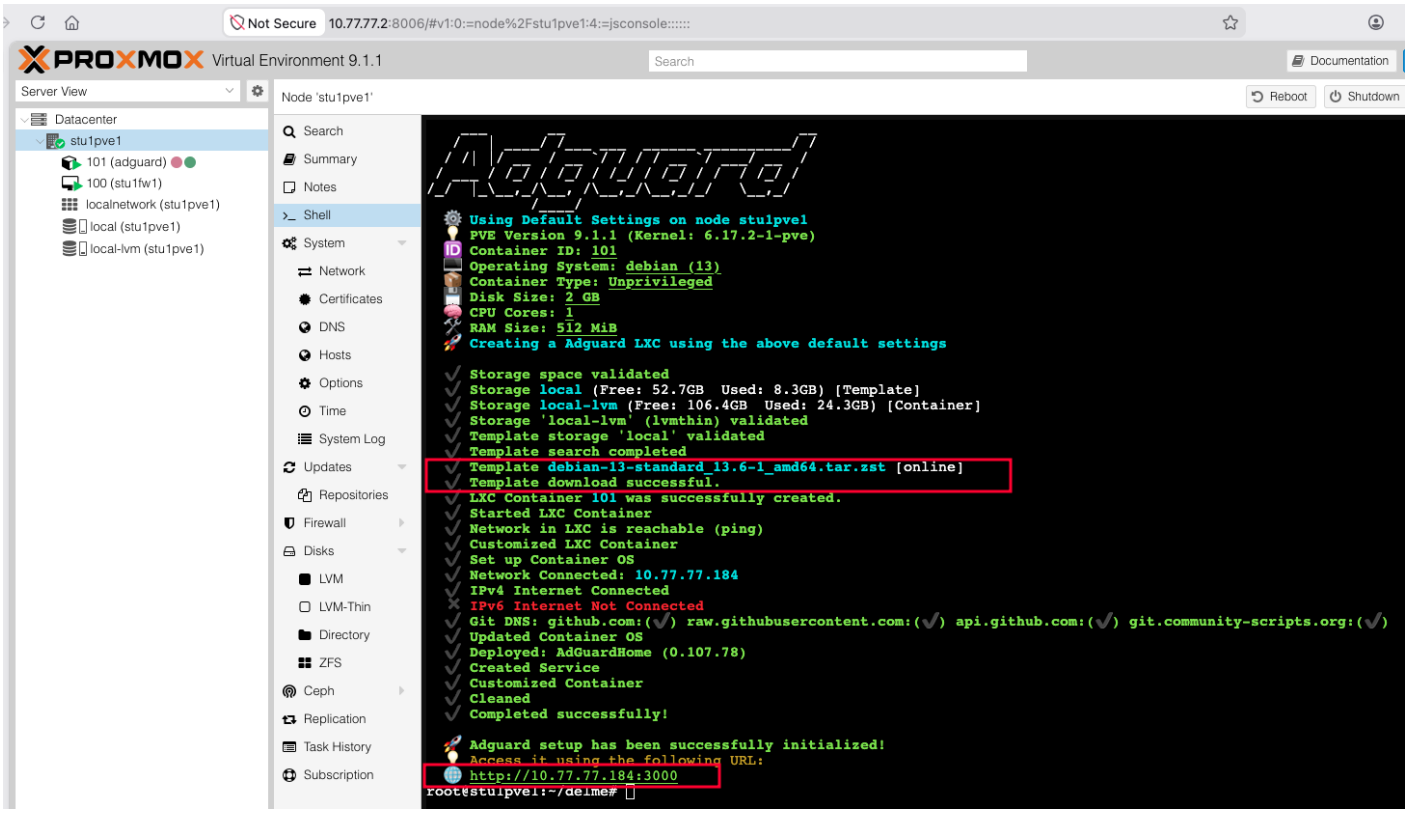


Installations

Script will search for template, and if it is not found, begin download



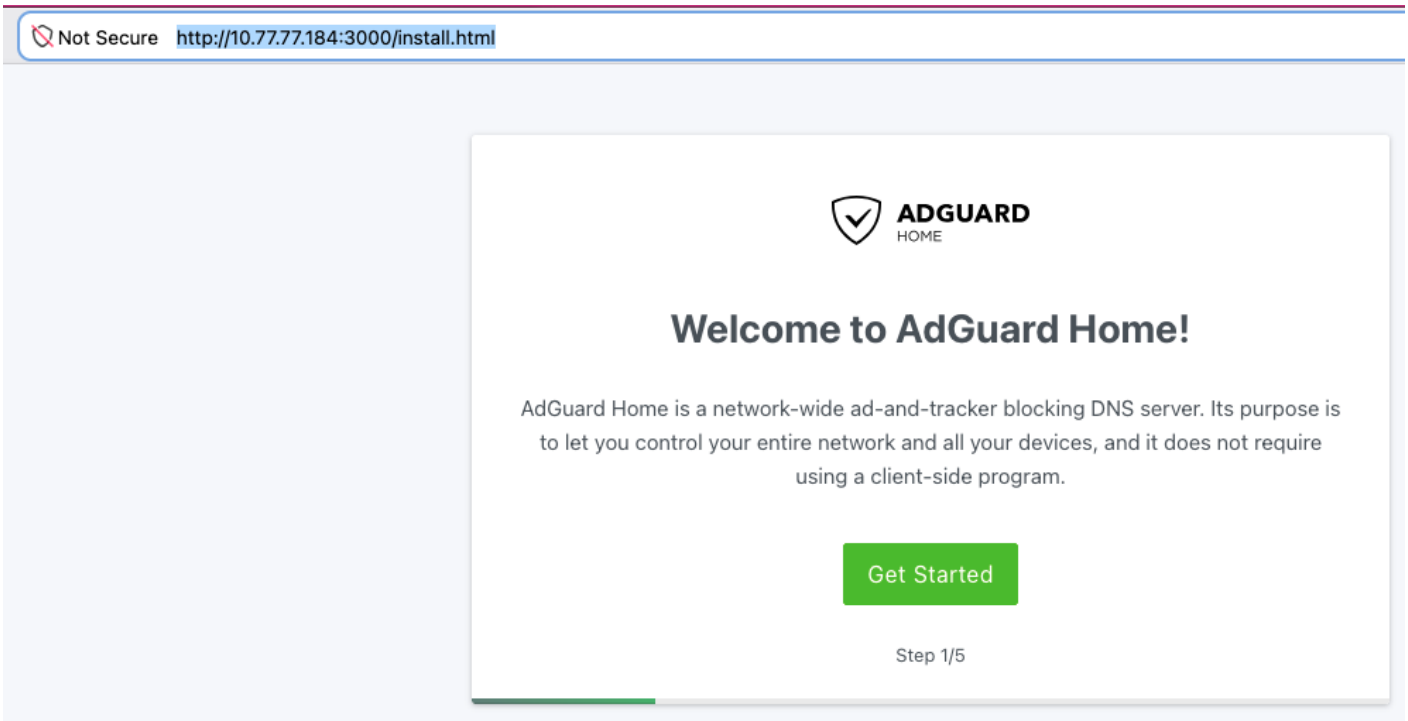
Installation successful



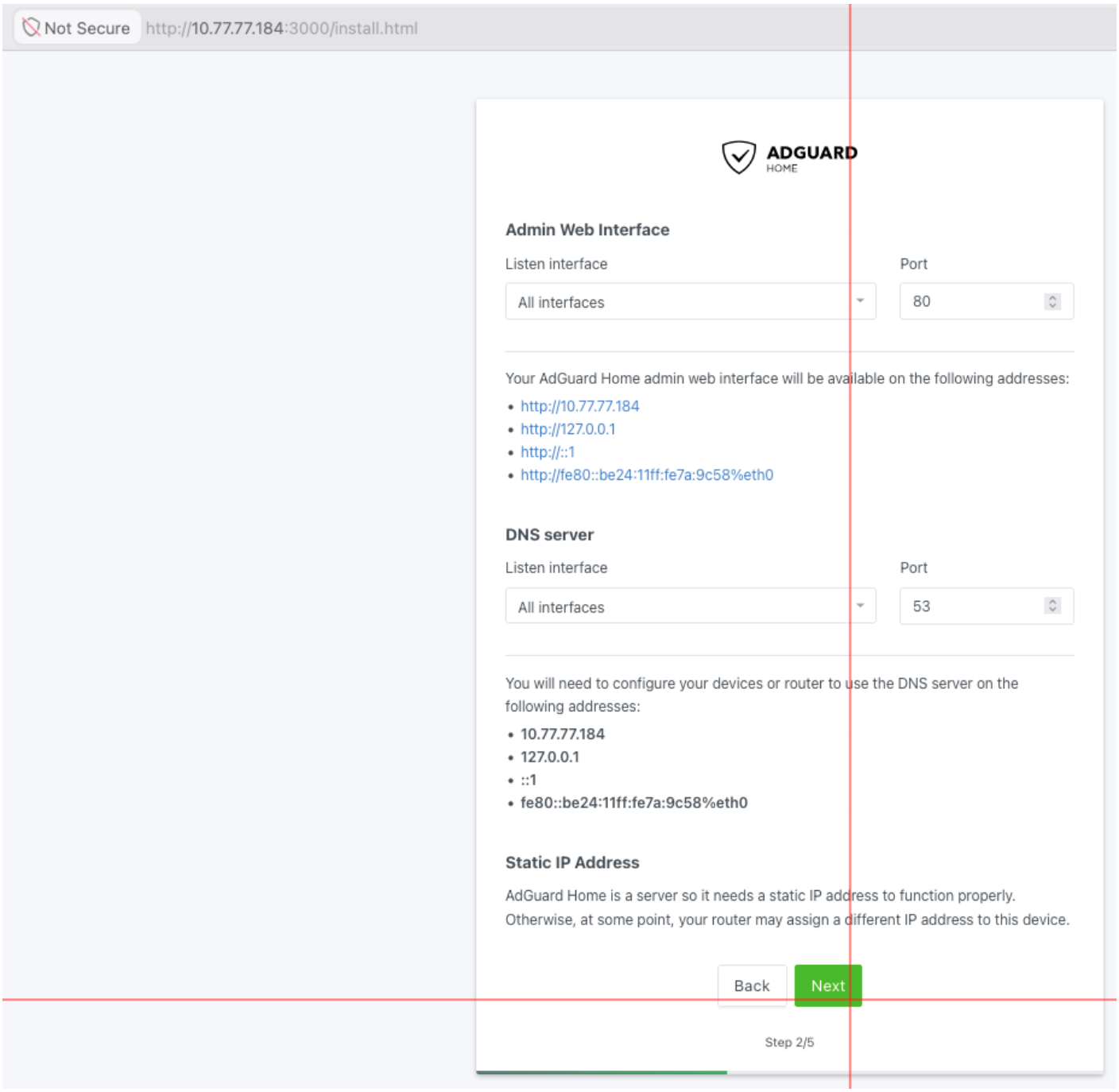
Applicatin configuration

Check in the browser the URL, which is indicated by installer (HTTPS will not work at this point)

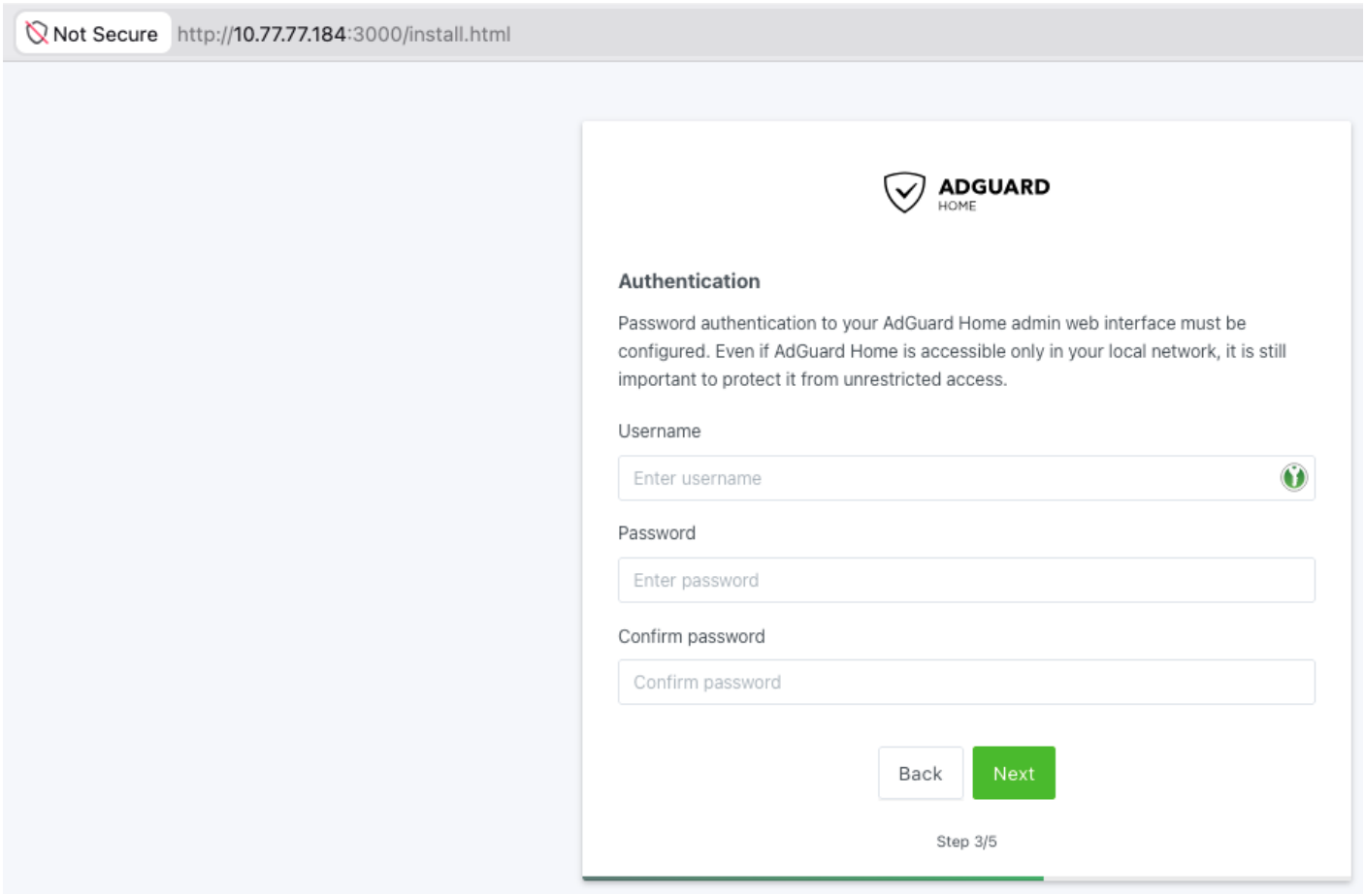
```
http://10.77.77.184:3000
```



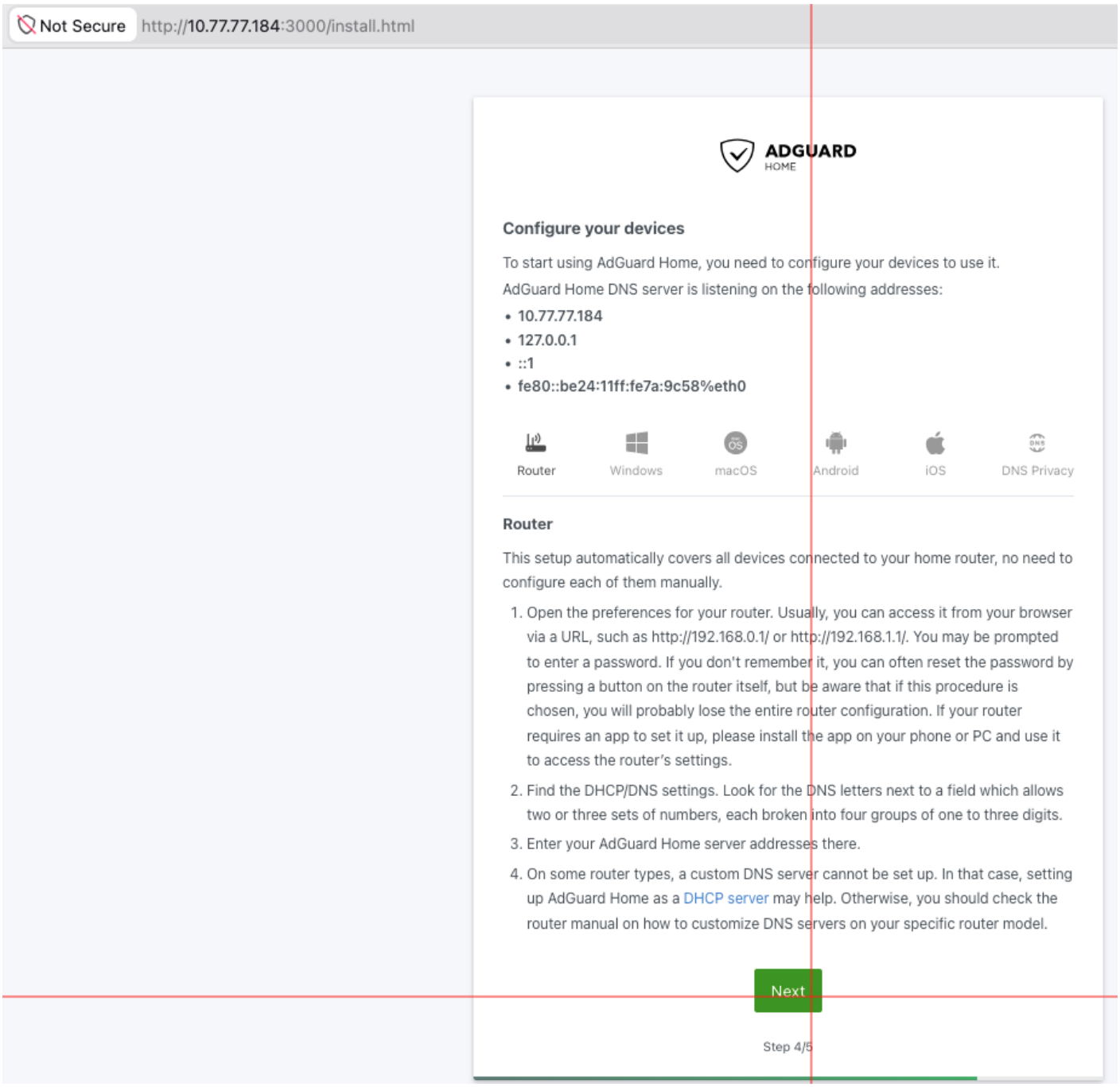
Do not change anything, proceed with defaults



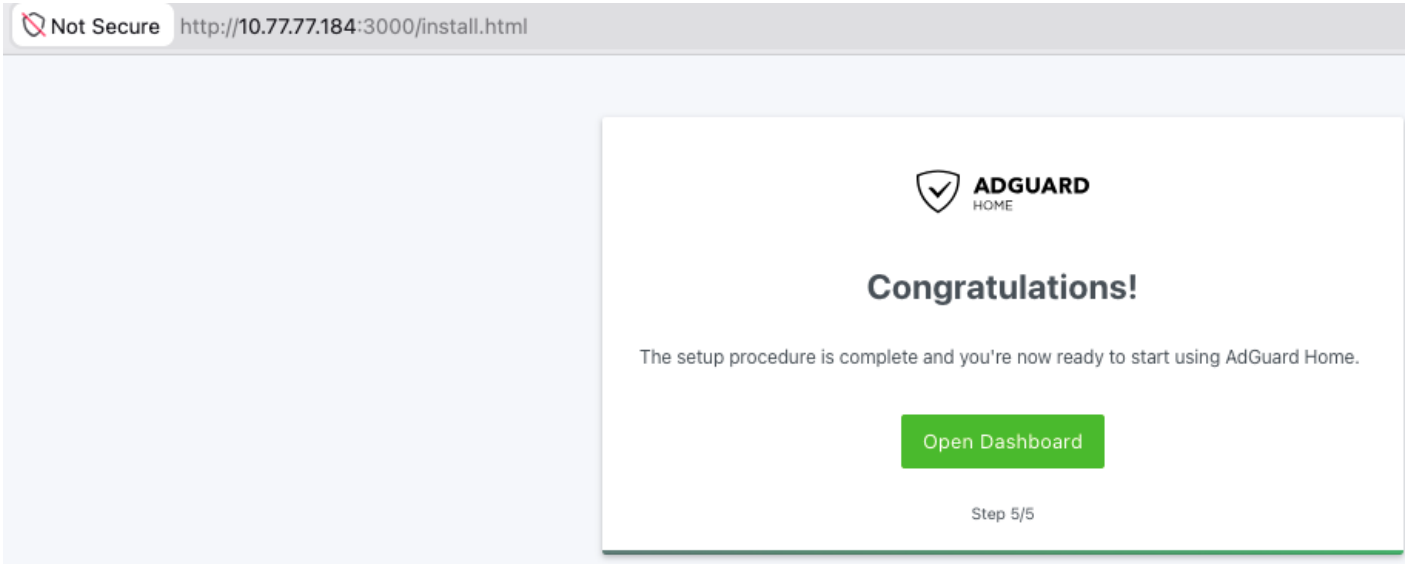
Create admin user (and note pass to password manager)



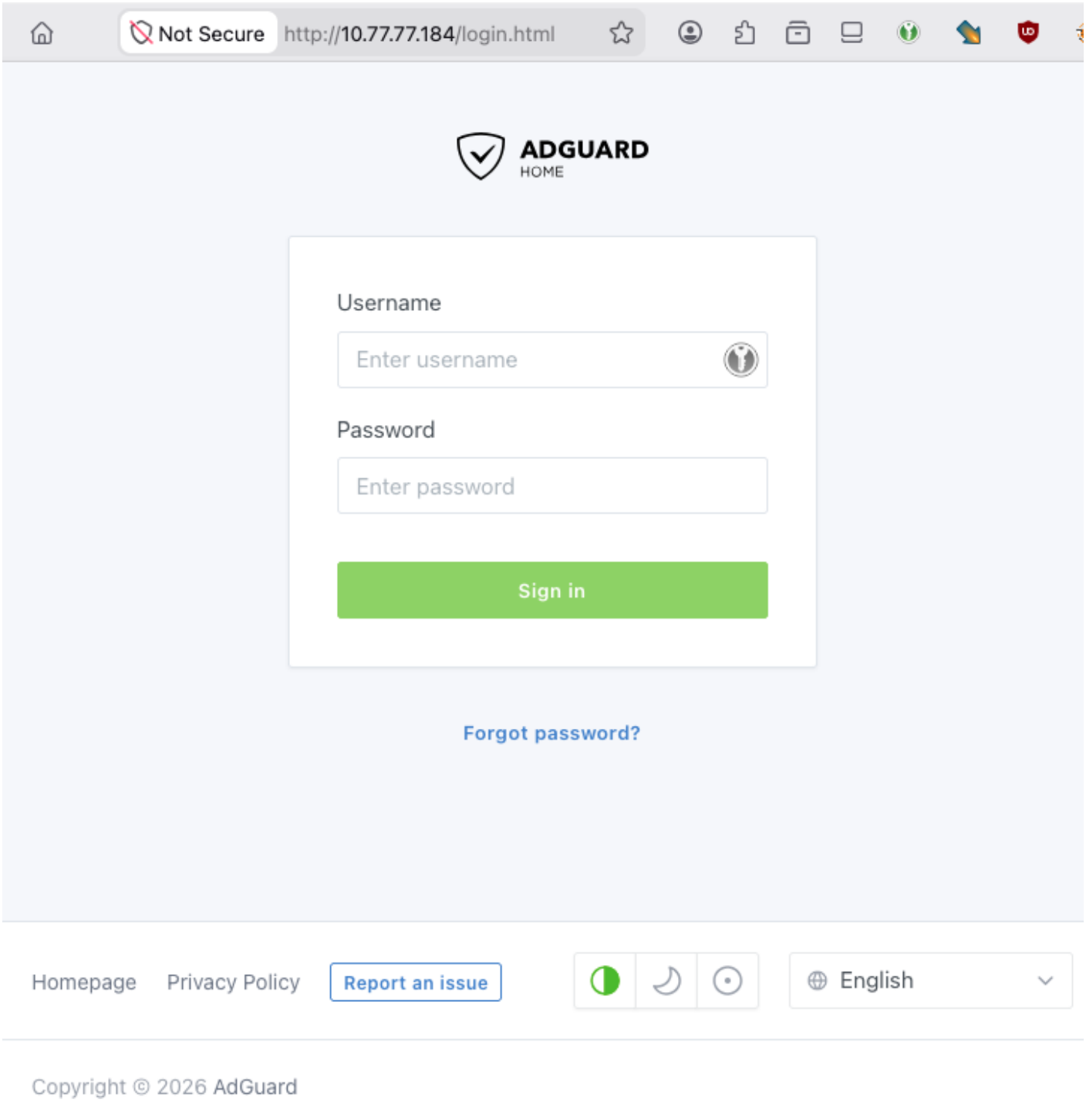
Take instructions for other devices. Usually just skip it.



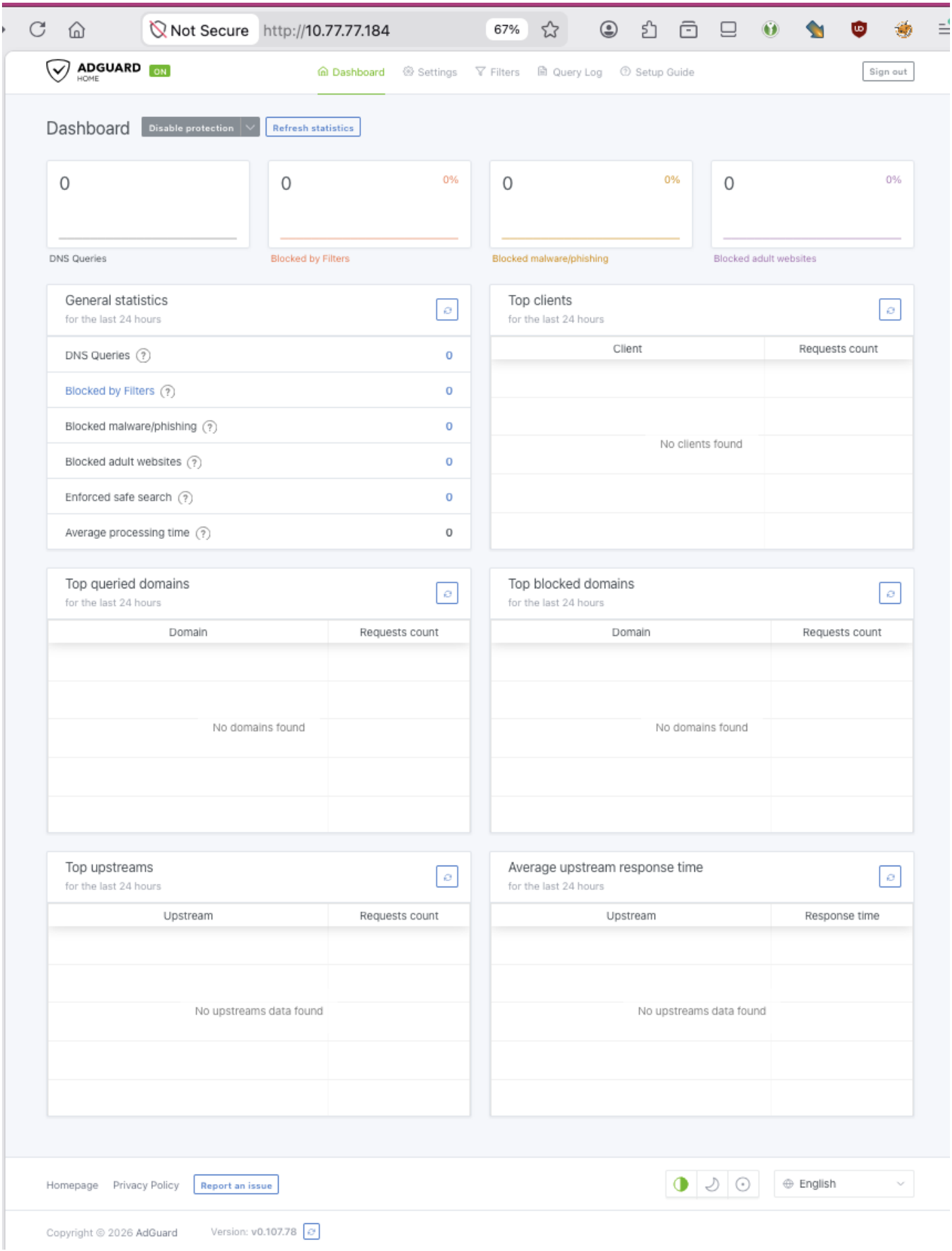
Finalize application initial configuration



Login with user created.

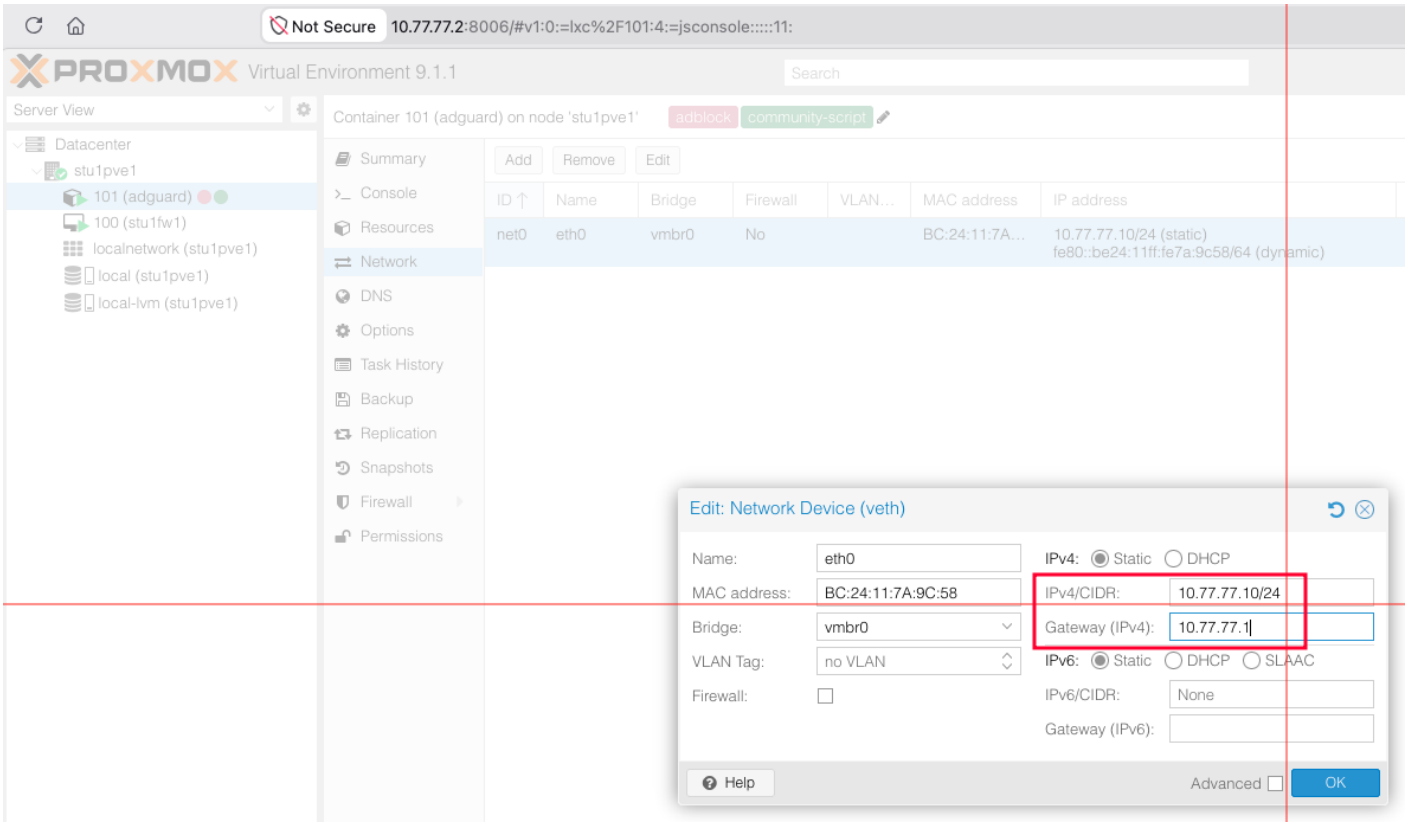

Not Secure
http://10.77.77.184/login.html
ADGUARD
HOME
Username
Enter username
Password
Enter password
Sign in
Forgot password?
Homepage
Privacy Policy
Report an issue
English
Copyright © 2026 AdGuard

Dashboard



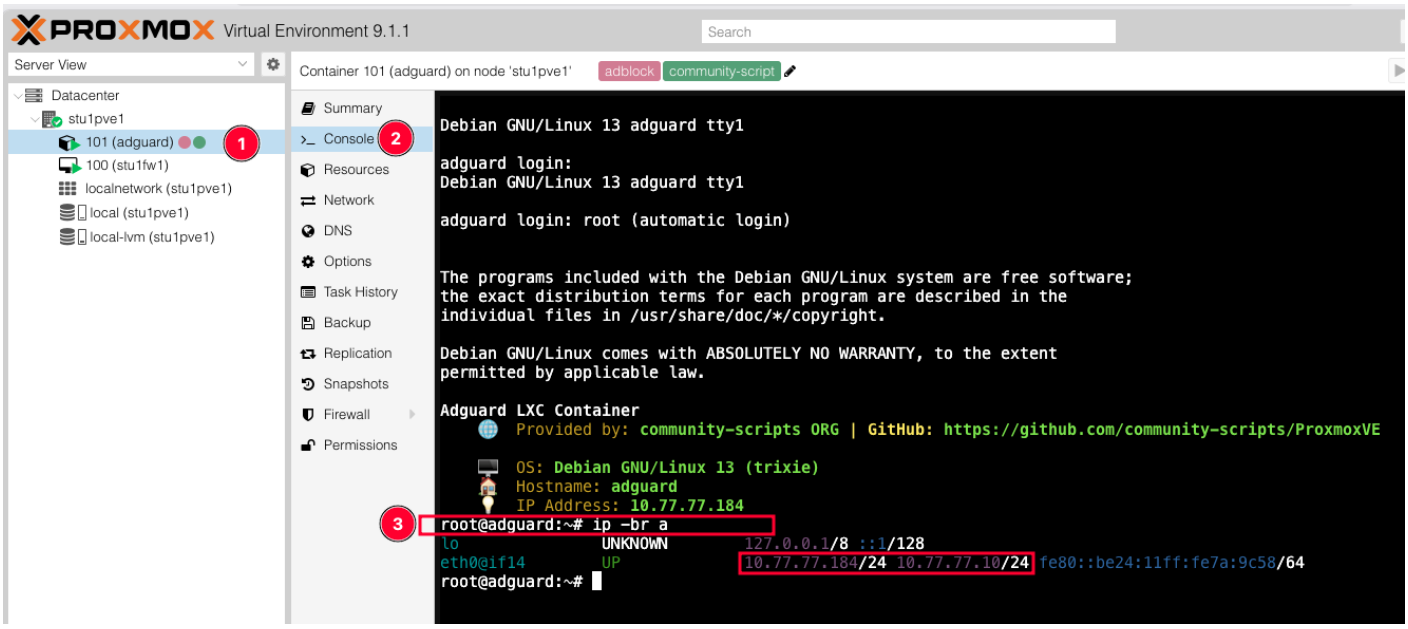
The only change we want to perform is to change IP address. Locate container, open it's network configuration, change from DHCP to STATIC and define desired IP address (remember do define

CIDR mask). Remember default gateway!



Open container's shell , take a note of network address and perform restart. Verify address (there are still old and new):

```
ip -br -a
```

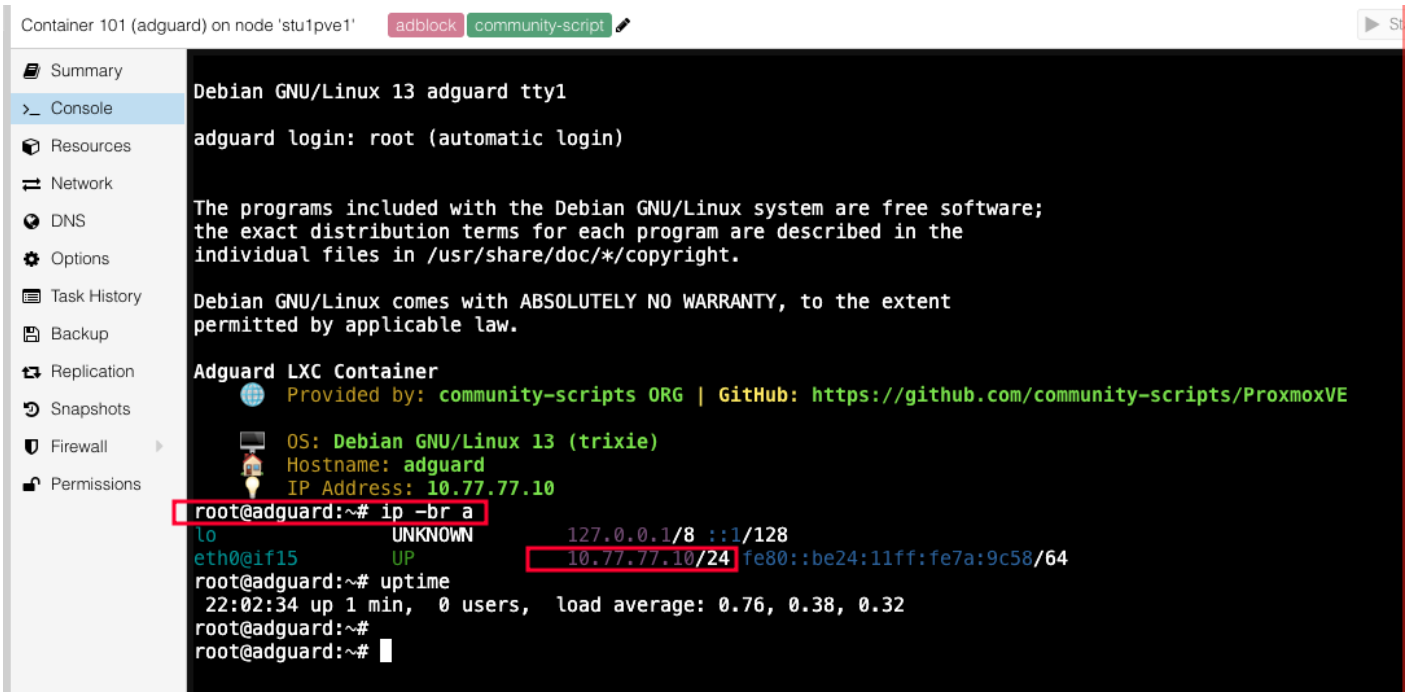


Restart container

```
shutdown -r now
```

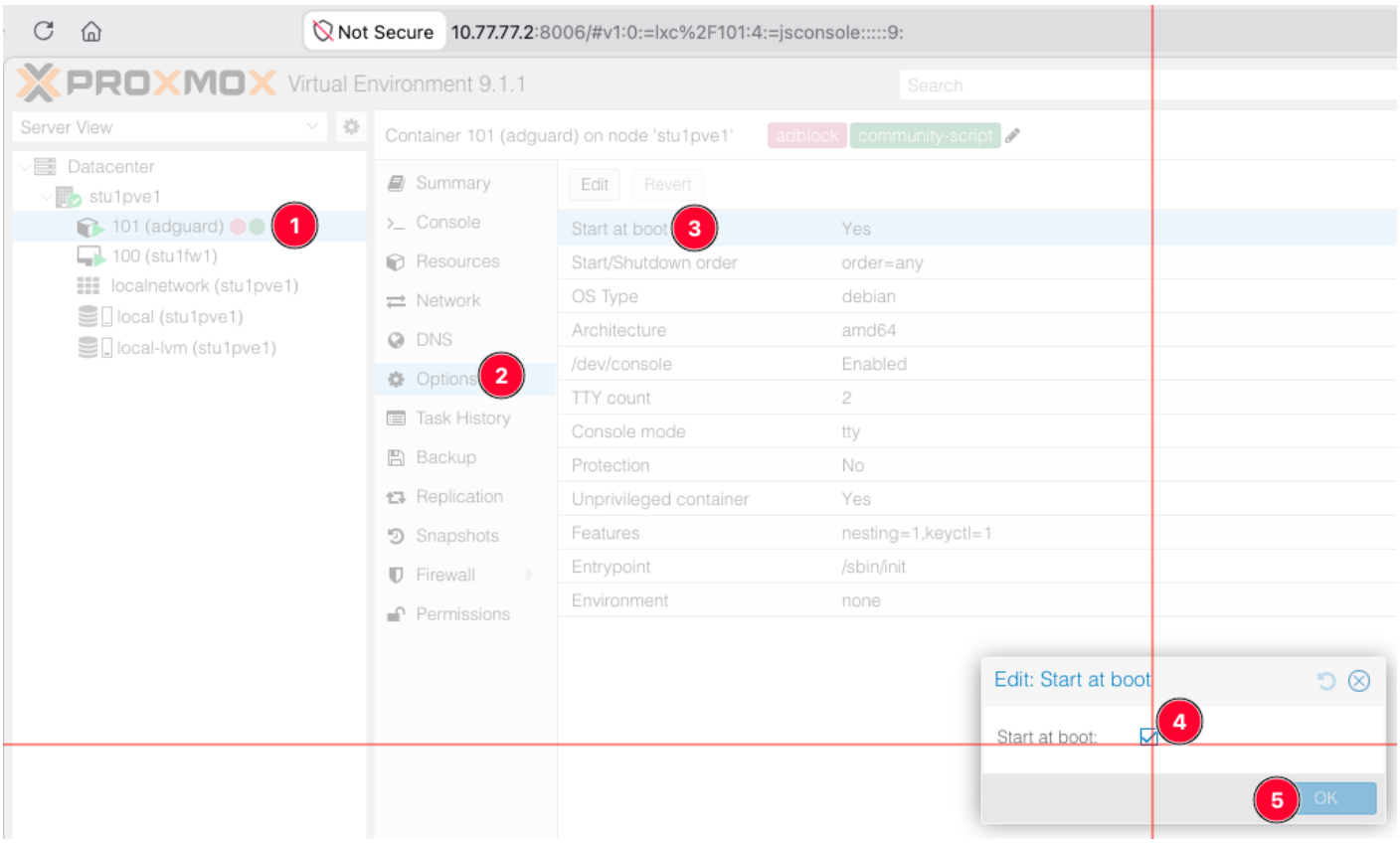
After reboot, Verify again

```
ip -br a
```



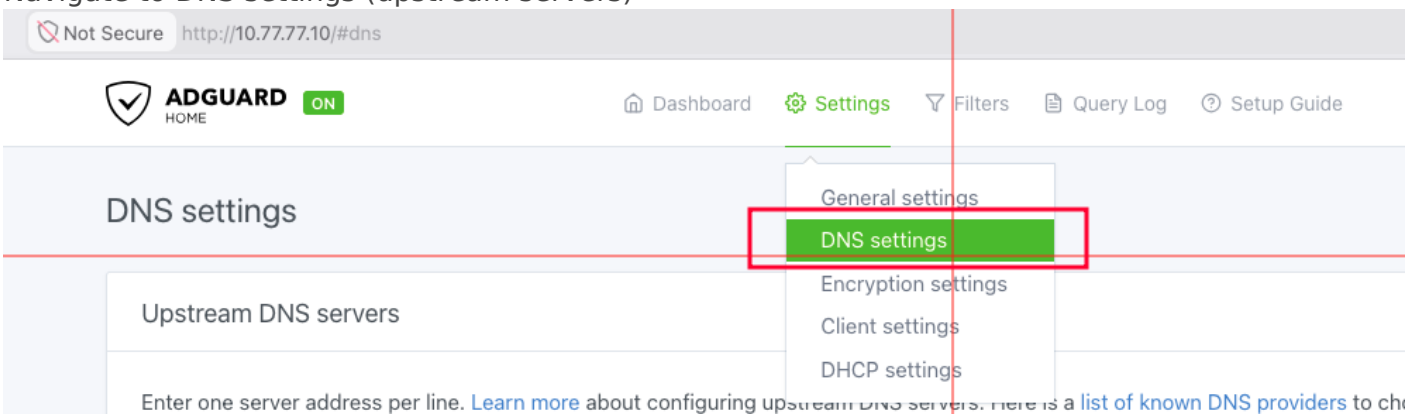

```
ip -br a
shutdown -r now
```

Last thing, before go: verify that container has "Start on boot" tick box enabled. Thus, we shall be sure that DNS server will be started with hypervisor. That applies to all machines, which need to be started (such as main router :)



Add public public name servers

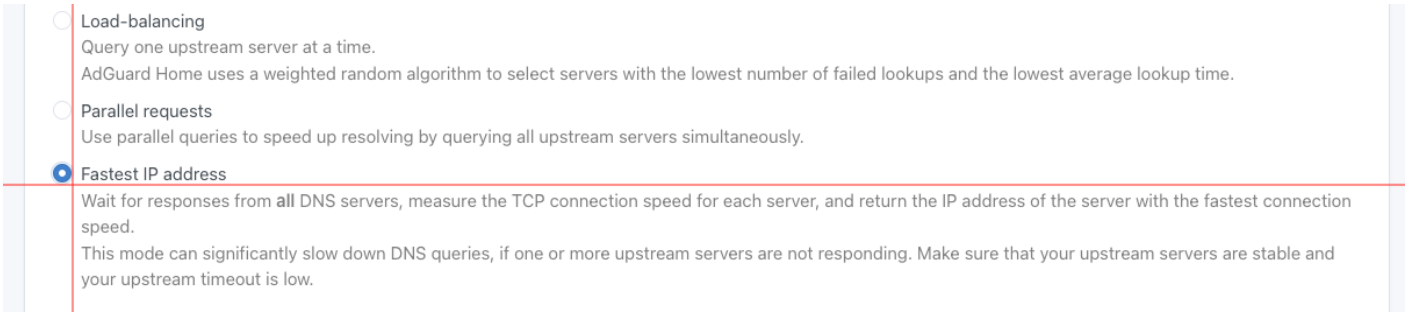
Navigate to DNS settings (upstream servers)



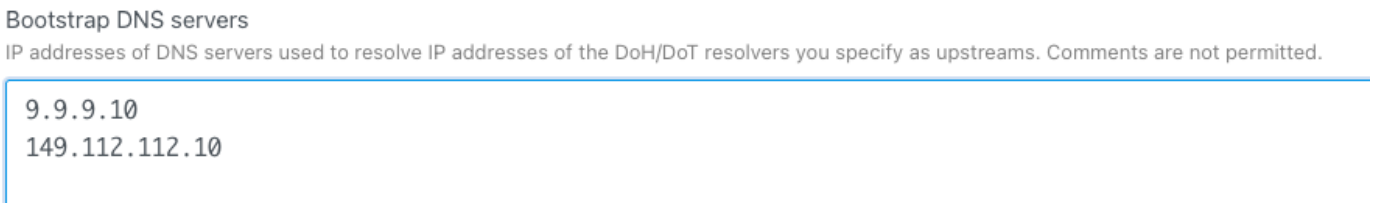
List available here

```
https://dox.installanduse.com/books/domain-name-system-dns/page/public-nss-doh-dot-doq
```

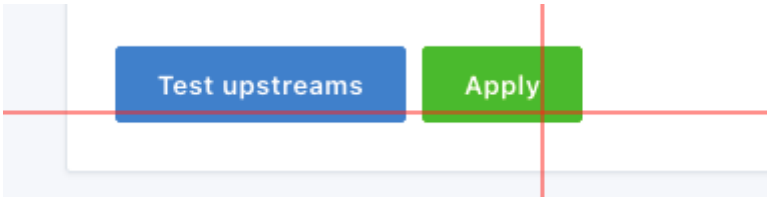
Check for "Fastest IP address"



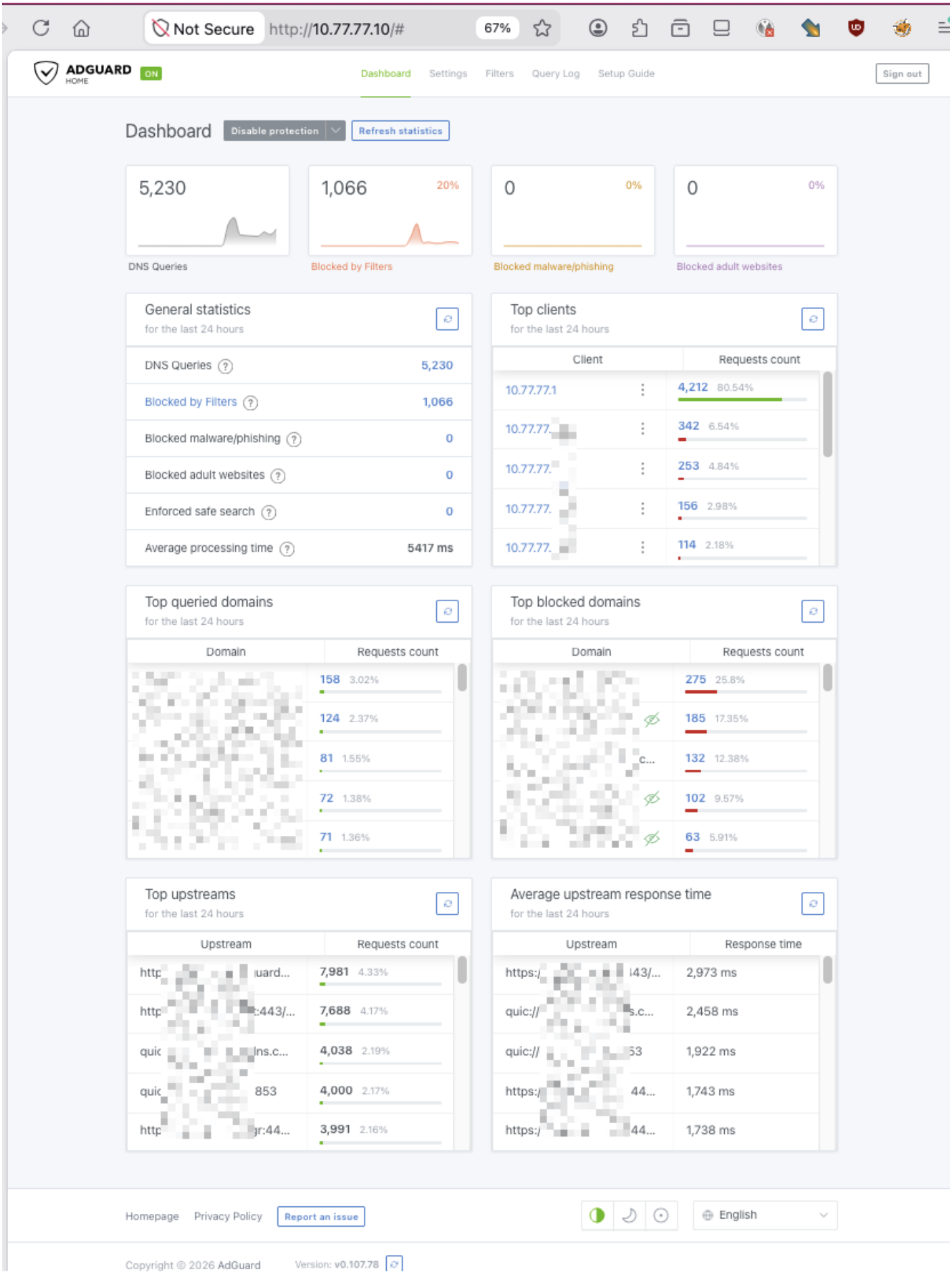
Leave some public NSs to resolve list



Save settings



Next morning, after the first day of DNS traffic



With no filtering lists loads, DNS server served NN % of cached traffic to local clients. That is very good, which means, that local clients received DNS response earlier, rather then for original query.

Revision #6
Created 2026-08-01 18:29:57 UTC by Anton
Updated 2026-08-02 04:11:48 UTC by Anton