

## Setting Up Pi-hole with Tailscale

### Install and Configure Pi-hole

1. Open Terminal and SSH into Pi-hole
  - a. `ssh <username>@<hostname>`
2. Make sure your Raspberry Pi software packages are up to date:
  1. `sudo apt update`  
`sudo apt upgrade -y`

3. Install the Tailscale client:

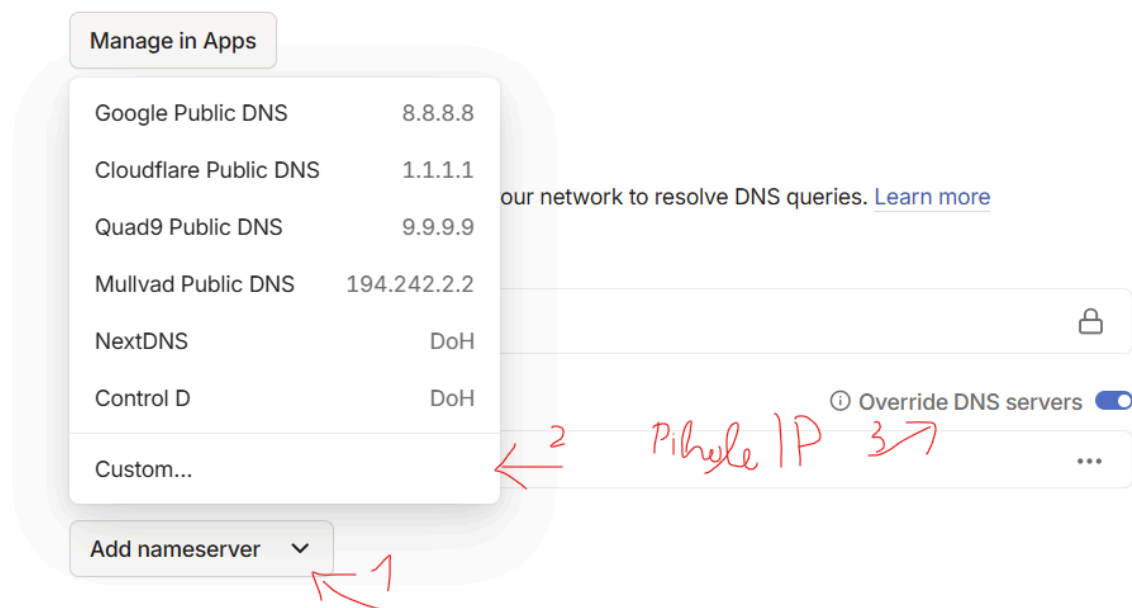
```
curl -fsSL https://tailscale.com/install.sh | sh
```

4. Enable Tailscale and disable automatic DNS settings (since the Raspberry Pi is the DNS server):

```
sudo tailscale up --accept-dns=false
```

5. Copy the Pi-hole's Tailscale IP address

configuration. [Learn more](#)



6. In Pi-hole web interface, go to Settings → DNS → change from Basic to Expert

## DNS Settings

Basic

### Upstream DNS Servers

IPv4	IPv6	Name
<input type="checkbox"/>	<input type="checkbox"/>	Google (ECS, DNSSEC)
<input type="checkbox"/>	<input type="checkbox"/>	OpenDNS (ECS, DNSSEC)
<input type="checkbox"/>	<input type="checkbox"/>	Level3
<input type="checkbox"/>	<input type="checkbox"/>	Comodo
<input type="checkbox"/>	<input type="checkbox"/>	Quad9 (filtered, DNSSEC)
<input type="checkbox"/>	<input type="checkbox"/>	Quad9 (unfiltered, no DNSSEC)
<input type="checkbox"/>	<input type="checkbox"/>	Quad9 (filtered, ECS, DNSSEC)
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Cloudflare (DNSSEC)

Save & Apply

### Interface settings

#### Recommended setting

☐ **Allow only local requests**

Allows only queries from devices that are at most one hop away (local devices)

#### Potentially dangerous options

Make sure your Pi-hole is properly firewalled!

☐ **Respond only on interface** wlan0

☐ **Bind only to interface** wlan0

☒ **Permit all origins**

These options are dangerous on devices directly connected to the Internet such as cloud instances and are only safe if your Pi-hole is properly firewalled. In a typical at-home setup where your Pi-hole is located within your local network (and you have **not** forwarded port 53 in your router!) they are safe to use.

Save & Apply

See our [documentation](#) for further technical details.