

# Installation + Config

Installing Tailscale is made simple with OPNsense, and only 2 items are required to successfully install the service:

1. Console Access to router (SSH)
2. Internet Connection

SSH into your OPNsense router console, enter "8" to select the shell option. Then run the command to download or update the ports tree:

```
-----
|      Hello, this is OPNsense 24.1      |      @@@@@@@@@@@@@@@@@@
|                                         |      @@@@   @@@@
| Website:   https://opnsense.org/      |      @@@\\   ///@@@
| Handbook:  https://docs.opnsense.org/ |      )))))))  ((((((
| Forums:    https://forum.opnsense.org/ |      @@@//   \\@@@
| Code:      https://github.com/opnsense |      @@@@   @@@@
| Twitter:   https://twitter.com/opnsense |      @@@@@@@@@@@@@@@@@@
|-----

*** router.austinhomelabs.com: OPNsense 24.1.5_3 ***

HomeWGVPN (wg0) -> v4: 10.10.10.1/24
LAN (igb0)      -> v4: 192.168.1.1/24
TAILSCALE (tailscale0) -> v4: 100.127.254.66/32
                               v6: fd7a:115c:a1e0::5b01:fe42/48
WAN (igbl)     -> v4/DHCP4: [REDACTED]
homeLAB1 (igb3) -> v4: 192.168.2.1/24

HTTPS: SHA256 [REDACTED]
SSH:     SHA256 [REDACTED] (ECDSA)
SSH:     SHA256 [REDACTED] (ED25519)
SSH:     SHA256 [REDACTED] (RSA)

0) Logout                7) Ping host
1) Assign interfaces     8) Shell
2) Set interface IP address 9) pftop
3) Reset the root password 10) Firewall log
4) Reset to factory defaults 11) Reload all services
5) Power off system        12) Update from console
6) Reboot system           13) Restore a backup

Enter an option: 8

root@router:~ #
```

```
opnsense-code ports
```

Run it twice to make sure the most current and up-to-date version is downloaded. Then change directories and run the command to install Tailscale:

```
root@router:~ # opnsense-code ports
Already up to date.
Already up to date.
root@router:~ #
```

```
cd /usr/ports/security/tailscale
make install
```

Run the following commands to enable the tailscaled service and check for the version to ensure its installed:

```
service tailscaled enable
service tailscaled start
```

Check version with:

```
tailscale version
```

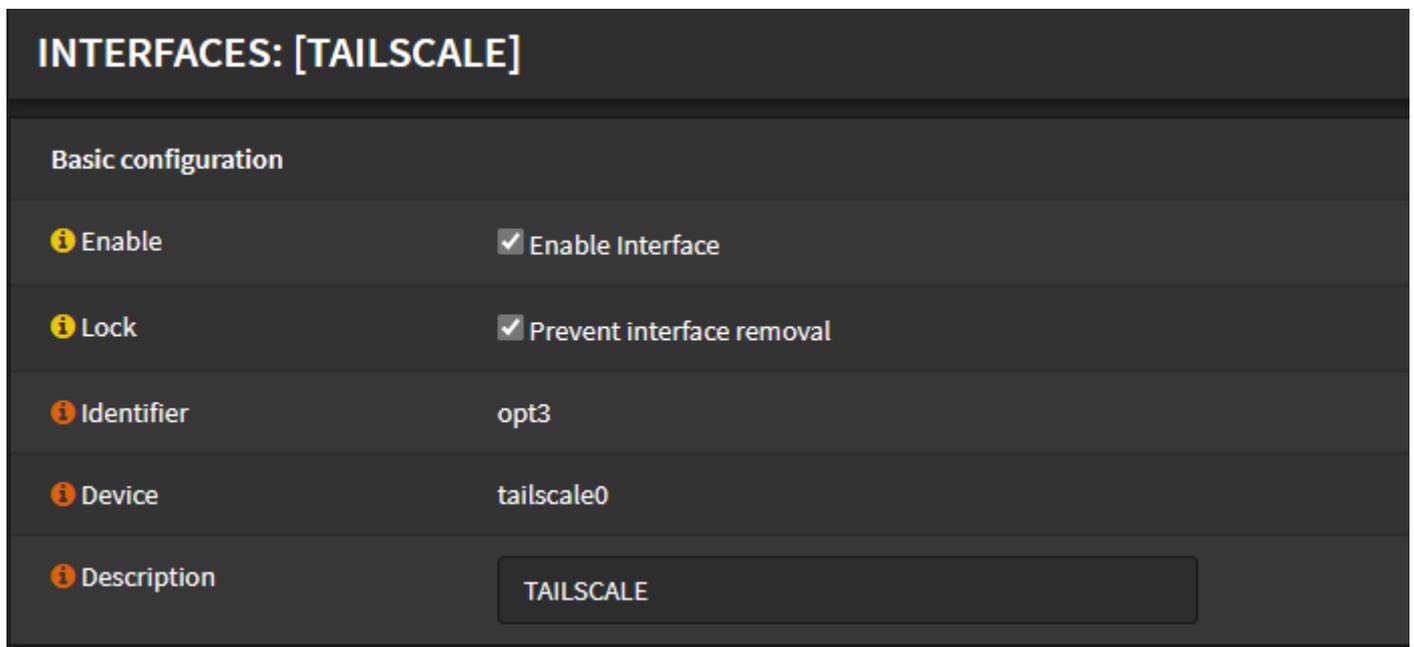
```
root@router:~ # tailscale version
1.62.1
  go version: go1.22.1
root@router:~ # █
```

Run the command to add the OPNsense router as a node on your tailnet:

```
tailscale up
```

The output will provide you an authentication link to enter in your browser

Open your OPNsense router Web GUI to assign the interface and lock it to prevent removal:



The screenshot shows the OPNsense Web GUI configuration page for the TAILSCALE interface. The page is titled "INTERFACES: [TAILSCALE]" and is under the "Basic configuration" section. The configuration is as follows:

Property	Value
Enable	<input checked="" type="checkbox"/> Enable Interface
Lock	<input checked="" type="checkbox"/> Prevent interface removal
Identifier	opt3
Device	tailscale0
Description	TAILSCALE

Your installation of tailscale is complete! Your next step should be to set up port mapping. See next page

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