

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 (igb1)      -> 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
```

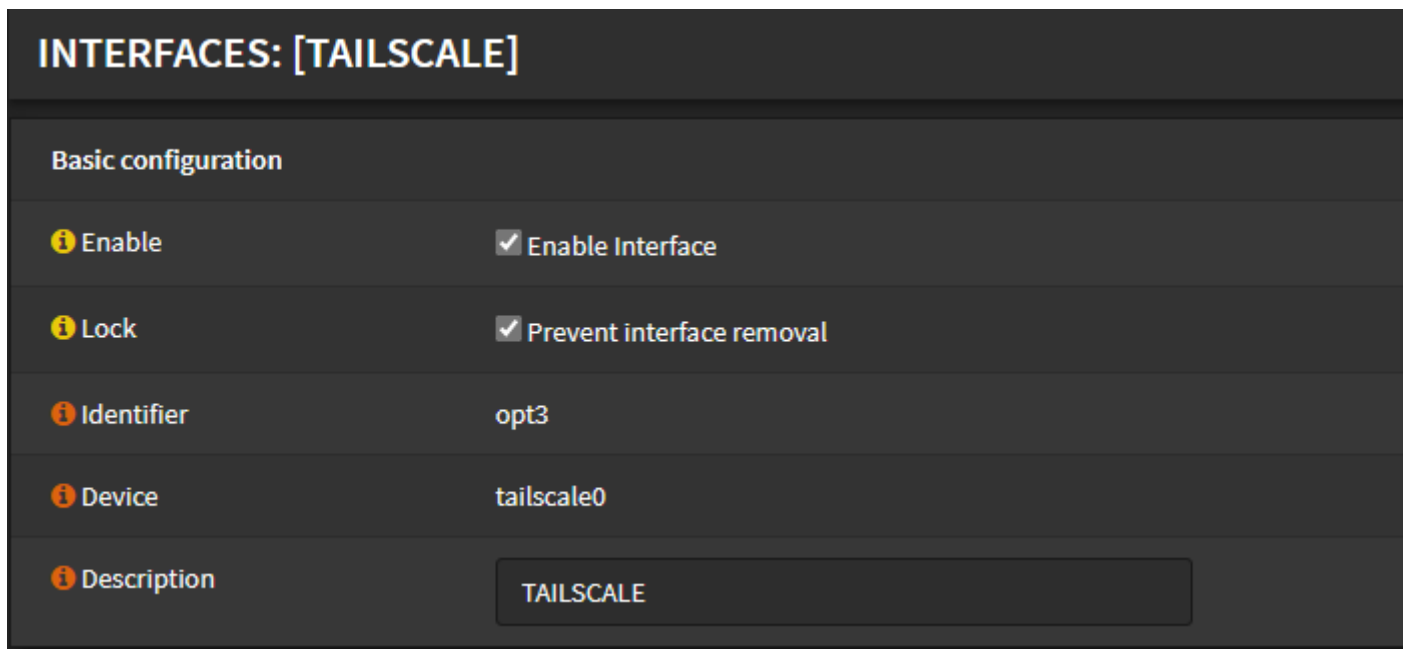
```
root@router:~ # tailscale version  
1.62.1  
go version: go1.22.1  
root@router:~ #
```

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 'INTERFACES: [TAILSCALE]' configuration page in the OPNsense web GUI. The page has a dark theme. Under the 'Basic configuration' section, there are five rows of settings, each with an information icon (i) on the left and a label on the right. The first row is 'Enable' with a checked checkbox and the label 'Enable Interface'. The second row is 'Lock' with a checked checkbox and the label 'Prevent interface removal'. The third row is 'Identifier' with the value 'opt3'. The fourth row is 'Device' with the value 'tailscale0'. The fifth row is 'Description' with a text input field containing the value 'TAILSCALE'.

INTERFACES: [TAILSCALE]	
Basic configuration	
i Enable	<input checked="" type="checkbox"/> Enable Interface
i Lock	<input checked="" type="checkbox"/> Prevent interface removal
i Identifier	opt3
i Device	tailscale0
i Description	<input type="text" value="TAILSCALE"/>

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

Revision #5

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