

Setting up a tailscale/headscale exit-node

On the client

The example below is for linux client

1. install tailscale using your method of choice, I picked the one liner script

```
# one liner script from tailscale
curl -fsSL https://tailscale.com/install.sh | sh

# If for some reason you can't use the one liner script to install it, refer to the
official docs for manually installing at
https://tailscale.com/download/linux/debian-bookworm
```

2. run this command to initiate the tailscale client with a custom control server

```
# Sample
tailscale up --login-server "http://your-headscale-serverip:port" --advertise-exit-node

# Since I run headscale on the same machine I want to use as an exit-node, I set it
as localhost
tailscale up --login-server "http://localhost:8082" --advertise-exit-node

# If the node is already registered, then we can advertise it as an exit-node in this
manner
tailscale set --advertise-exit-node
```

On the server

1. First we confirm that our nodes are seen and their routes are either `0.0.0.0/0` and/or

```
::/0
```

```
# Check routes using this command
```

```
headscale routes list
```

```
# Output
```

ID	Machine	Prefix	Advertised	Enabled	Primary
1	exit-node1	0.0.0.0/0	true	false	-
2	exit-node1	::/0	true	false	-
3	phone1	::/0	false	false	-
4	phone1	0.0.0.0/0	false	false	-
5	phone2	::/0	false	false	-
6	phone2	0.0.0.0/0	false	false	-

As we can confirm here, the routes are advertised, but not enabled.

2. To enable the routes, we will use the following command to allow the exit-node to advertise itself, you will have to repeat this for every exit-node you want to add.

```
# First select the route you wanna add, in my case I want both IPv4 and IPv6 so I'll add id 1 and 2
```

ID	Machine	Prefix	Advertised	Enabled	Primary
1	exit-node1	0.0.0.0/0	true	false	-
2	exit-node1	::/0	true	false	-
3	phone1	::/0	false	false	-
4	phone1	0.0.0.0/0	false	false	-
5	phone2	::/0	false	false	-
6	phone2	0.0.0.0/0	false	false	-

```
# Command
```

```
headscale routes enable -r 1
```

```
headscale routes enable -r 2
```

```
# Confirm we enabled it
```

```
headscale routes list
```

ID	Machine	Prefix	Advertised	Enabled	Primary
1	exit-node1	0.0.0.0/0	true	true	-
2	exit-node1	::/0	true	true	-
3	phone1	::/0	false	false	-
4	phone1	0.0.0.0/0	false	false	-
5	phone2	::/0	false	false	-
6	phone2	0.0.0.0/0	false	false	-

3. Test with your client to see if it worked, with these steps done any client should be able to utilize your new exit-node
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