

# Forum:[Hack Forums](#)

Thread: [\[TOR\] Configure your first server on the darknet](#)

**Bastille** - October 19, 2024, 6:57 am

## CONFIGURE YOUR FIRST SERVER ON THE DARKNET

This thread is part of a larger project that will detail how the Tor network works, as well as provide a guide for attacking sites with .onion URL links.

This tutorial doesn't explain how to configure a web server, follow the instructions only if you have already configured your web server.

Table of content

[TOR] [Configure your first server on the darknet](#) (you are here)

[TOR] Understand how Tor networks work (coming soon)

[TOR] Performing hacking on Tor network (coming soon)

[TOR] [OnionShare - GUI toolkit for your first Darknet hosting experience](#)

### 0. CONTEXT ?

You want to sell something on the darkweb, you've configured your webserver on a Linux server but you don't know how to put it online. Read this tutorial.

### 1. INSTALLATION ?

Install the tor package :

Code `sudo apt install tor`

### 2. CONFIGURATION ?

Edit the following file : `/etc/tor/torrc` and uncomment the lines in white (uncommenting means removing the "#" signs)

(of course, if you configured, and I recommend you to, your webserver with TLS certificate change the default port to 443 or a custom)

If you've configured a web server on your computer this will automatically point to the path relatd to the web server (which is usually `/var/www`)

### 3. THE .ONION LINK ?

After editing the torrc file, just restart the service

Code `sudo systemctl restart tor`

The .onion link should be now in the following file :

`/var/lib/tor/hidden_service/hostname`

For your information, few years ago Tor updated .onion link to V3, here is how to differenciate them from V2 :

V2 link [16 characters]: expyuzz4wqyqhjn.onion

V3 link [56 characters]: 83w0vhsrz4xleep6pgbnocj0xpqjpocv3i8o8ewpmm3nhtr0t0ka6tlf.onion

### 3bis. Custom .onion link

Here is a tip to get a "custom" .onion link. As you can see, .onion links are a string of random chars and numbers, however with the right tools you can generate (at least for the beginning of the link) a custom string, for example : hackforumsdn9czkj2xdj8cokt75lai6e12ntd9ljhlh1mxktkyy0ahs.onion

You can get custom .onion links with :

- Scallion > GPU-based, faster
- Shallot > CPU-based, requires more time

The longer and more specific your string is, the more time it takes to generate. A string of 3 to 5 characters can be found in a few minutes to a few hours, depending on the power of your GPU or CPU. For longer strings, it may take several days or weeks.

#### Scallion (GPU-based)

Code sudo apt update

sudo apt install git build-essential mono-complete

git clone https://github.com/lachesis/scallion.git

cd scallion

xbuild Scallion.sln

./scallion/bin/Debug/scallion hackforums

The .onion link will start with hackforums[then random numbers and chars].onion

#### Shallot (CPU-based)

Code git clone https://github.com/katmagic/Shallot.git

cd Shallot

make

./shallot omniscient

The .onion link will start with omniscient[then random numbers and chars].onion

### 4. ACCESS YOUR WEBSITE ?

As we saw earlier the .onion link is in the following file :

Code /var/lib/tor/hidden\_service/hostname

Put the link in Tor Browser and you should be able to access it. This is the link you'll share to people.

Spoiler ([Click to View](#))

Congrats, you have now your webserver on the darknet, enjoy ?

**PitbullT0r** - October 19, 2024, 11:17 am

High quality tutorial from an high quality user! Thanks you brother.

**Bastille** - October 20, 2024, 1:32 am

(Oct 19, 2024 11:17 AM)PitbullT0r Wrote: [\[CITE\]](#) High quality tutorial from an high quality user! Thanks you brother.

Thanks man ! I think that this topic is really interesting and not that complex when you take the time to study it, at first I thought that configuring a web server on the darknet was something really advanced but it's really easy actually.

Feel free if you would like to see specific hacking tutorials on HF, I'll do my best to provide something HQ

**PitbullT0r** - October 20, 2024, 3:50 am

(Oct 20, 2024 01:32 AM)Bastille Wrote: [\[CITE\]](#) Thanks man ! I think that this topic is really interesting and not that complex when you take the time to study it, at first I thought that configuring a web server on the darknet was something really advanced but it's really easy actually.

Feel free if you would like to see specific hacking tutorials on HF, I'll do my best to provide something HQ

Also a difficult thing become easy with a detailed tutorial as that.

Bump it.

**RoundLettuce** - February 23, 2025, 2:28 pm

Excellent TuT! Thank you bro. I cannot wait for your Tor Hacking Tutorial.

**NardoRS** - February 23, 2025, 7:48 pm

Nice Thread! Do you maybe know when you will bring out the second and third part?

**Pr0m3th3us** - February 23, 2025, 7:52 pm

very good tut, thank you for this. I booked it

**Bastille** - February 24, 2025, 1:47 am

(Feb 23, 2025 03:28 PM)RoundLettuce Wrote: [\[CITE\]](#) Excellent TuT! Thank you bro. I cannot wait for your Tor Hacking Tutorial.

Thanks man ! I'm working on different projects right now for HF, will try to go back to tutorials soon

(Feb 23, 2025 08:48 PM)NardoRS Wrote: [\[CITE\]](#) Nice Thread! Do you maybe know when you will bring out the second and third part?

Thanks ! I hope to finish it within the coming weeks; I've already started the second tutorial and have few diagram like this one :

(Feb 23, 2025 08:52 PM)Unknown Rusty Looser Wrote: [\[CITE\]](#) very good tut, thank you for this. I booked it

You're welcome buddy ! :) If you want more hacking tutorials feel free to ask here :

<https://hackforums.net/showthread.php?tid=6282713>

**mlkmx** - March 24, 2025, 1:08 pm

anon, u are genius... will be coming back to this many times

**Bastille** - March 24, 2025, 1:10 pm

(Mar 24, 2025 01:08 PM)mlkmx Wrote: [\[CITE\]](#) anon, u are genius... will be coming back to this many times

Thanks for the post, and you're welcome

There are a ton of tutorials like these on HF, and if you don't find what you need, just ask

Welcome to HF

**Hopsin** - April 30, 2025, 6:51 am

This is actually impressive. Thanks for your contribution!

**Bastille** - April 30, 2025, 7:42 am

(Apr 30, 2025 06:51 AM)Hopsin Wrote: [\[CITE\]](#) This is actually impressive. Thanks for your contribution!

Thanks ! The TOR project is really interesting and I would like to develop more aspects of it, I've started working on other threads, hope to release them soon !

**Dystortion** - April 30, 2025, 3:14 pm

Excellent post, definitely taught a lot of people here I'd say.

**7** - May 1, 2025, 11:34 pm

Great thread. Now all I need is the silk road script lol

Thanks for the tutorial, great job

**Bastille** - May 2, 2025, 12:06 am

(Apr 30, 2025 03:14 PM)Dystortion Wrote: [\[CITE\]](#) Excellent post, definitely taught a lot of people here I'd say.

(May 1, 2025 11:34 PM)7 Wrote: [\[CITE\]](#) Great thread. Now all I need is the silk road script lol

Thanks for the tutorial, great job

Thanks guys ! I miss making these tutorials, I hope I'll have more free time to make more soon ?

**Dystortion** - May 2, 2025, 9:39 am

(May 2, 2025 12:06 AM)Bastille Wrote: [\[CITE\]](#) Thanks guys ! I miss making these tutorials, I hope I'll have more free time to make more soon ?

Hopefully you can, love seeing the stuff you post. I for one learn always

**Zher0** - May 2, 2025, 12:59 pm

Great tutorial, I've always wanted to set up a server on TOR. I also considered running a TOR exit node on an offshore VPS for fun. Maybe share the bandwidth/traffic stats on a public site or something. Do you have any experience?

**Bastille** - May 15, 2025, 11:36 pm

(May 2, 2025 12:59 PM)Zher0 Wrote: [\[CITE\]](#) Great tutorial, I've always wanted to set up a server on TOR. I also considered running a TOR exit node on an offshore VPS for fun. Maybe share the bandwidth/traffic stats on a public site or something. Do you have any experience?

oops, sorry for the late reply

Don't have experience hosting Tor nodes. I've thought about hosting it on my network but heard about security concerns so I forgot the idea.