

Surfing the Web with Tor

Georg Koppen

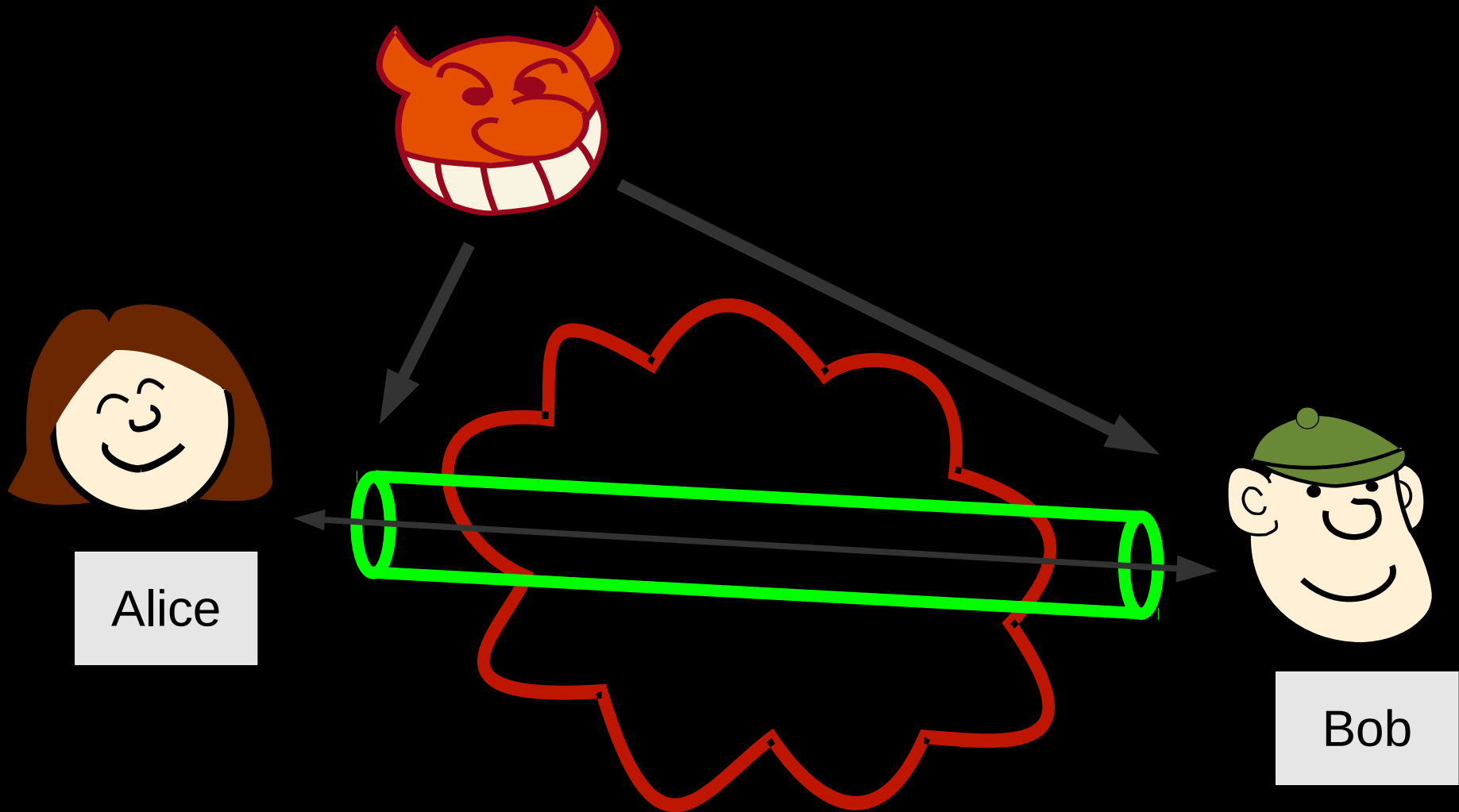
gk@torproject.org

35CD 74C2 4A9B 15A1 9E1A
81A1 9437 3AA9 4B7C 3223

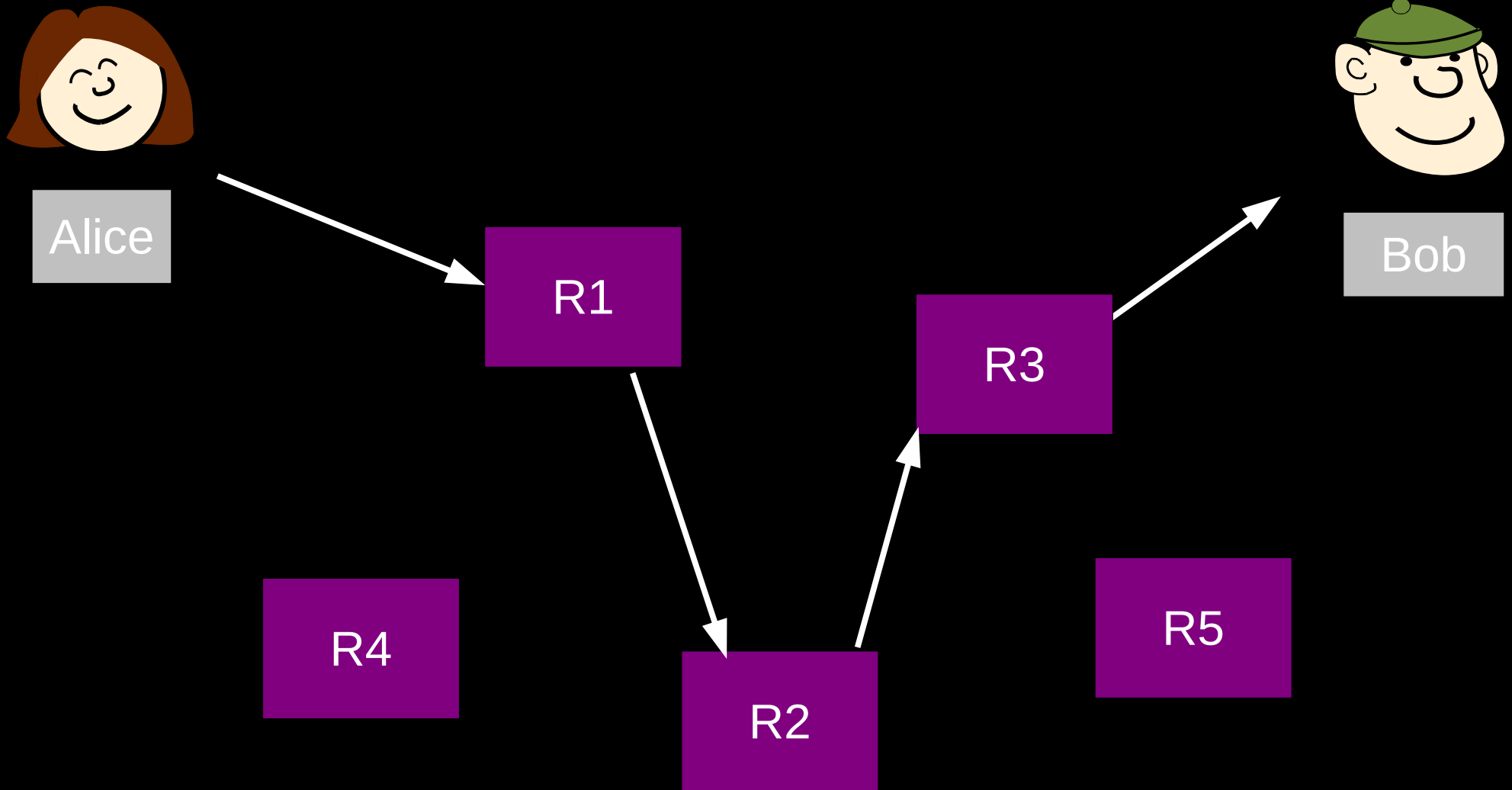
Heard about Tor?



What's the problem?



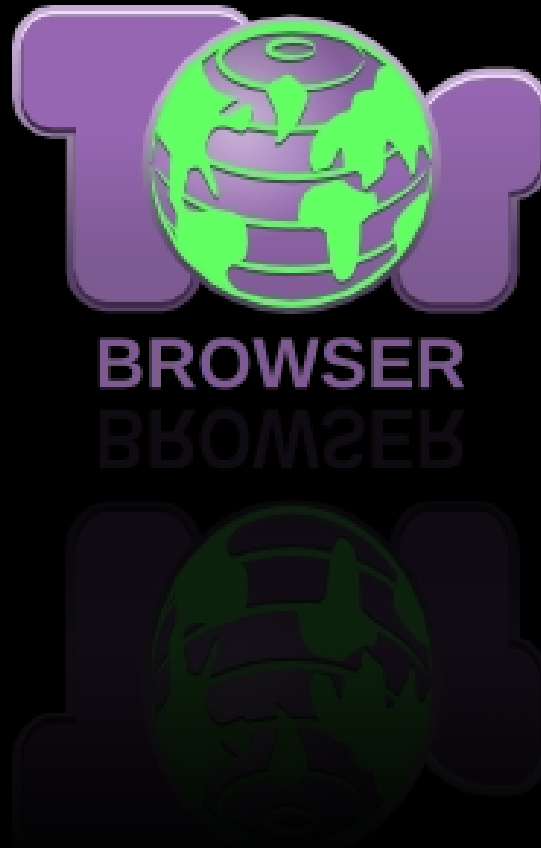
What's the solution?



What's the problem?



What's the solution?



Where to get it from?



Tor Project: Anonymity On... x +

← <https://www.torproject.org>

Tor Home About Tor Docu

Anonymity Online

Protect your privacy. Defend yourself against network surveillance and traffic analysis.

 [Download Tor](#) ↓

- ◆ Tor prevents people from learning your location or browsing habits.
- ◆ Tor is for web browsers, instant messaging clients, and more.
- ◆ Tor is free and open source for Windows, Mac, Linux/Unix, and Android

How?

Download Tor

https://www.torproject.org/download/download-easy.html.en

Home About Tor

Tor

HOME » DOWNLOAD

Want Tor to really work?
You need to change some of your habits, as some things won't work exactly as you are used to. [warnings](#) for details.

Tor Browser for Windows

Version 5.0.4 - Windows 10, 8, 7, Vista, and XP

Everything you need to safely browse the Internet.
[Learn more »](#)

DOWNLOAD
Tor Browser

Not Using Windows?
Download for [Mac](#) or [GNU/Linux](#)

[\(sig\) What's This?](#) **English** ▾

How to verify?

Linux

```
sha256sum /path/to/tor-browser-linux64-5.0.4_en-US.tar.xz
```

OS X

```
shasum -a 256 /path/to/TorBrowser-5.0.4-osx64_en-US.dmg
```

Windows

```
certutil -hashfile C:\Users\foo\bar\torbrowser-install-5.0.4_en-US.exe SHA256
```

6ff07c0ef1f382b65cf1d0d5217644cac124484a6e5f6084c6
1768d2aa5bb449 torbrowser-install-5.0.4_en-US.exe

168a116c55c56126a27521c28d64b1a13f8ea73d7350dabb
8dd29059a8f22734 TorBrowser-5.0.4-osx64_en-US.dmg

c304ebc71f12aeb6ec64e91c7692987a0c0d2863d24294cd77ca
913c3d1b81f9 tor-browser-linux32-5.0.4_en-US.tar.xz

96f5c041682b9d2228b2a51c99124eb4fbb3ffd1d8c768dae
726bf3b270f760f tor-browser-linux64-5.0.4_en-US.tar.xz

How to verify better?

Use PGP to verify the detached signatures (.asc files)

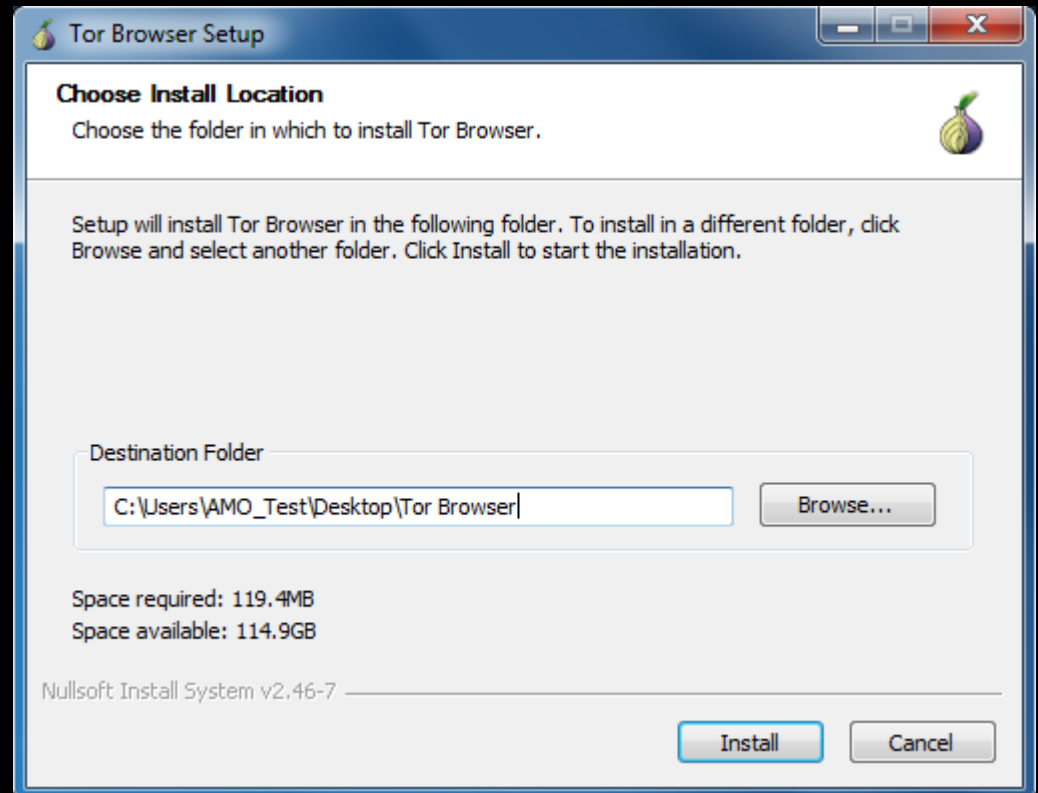
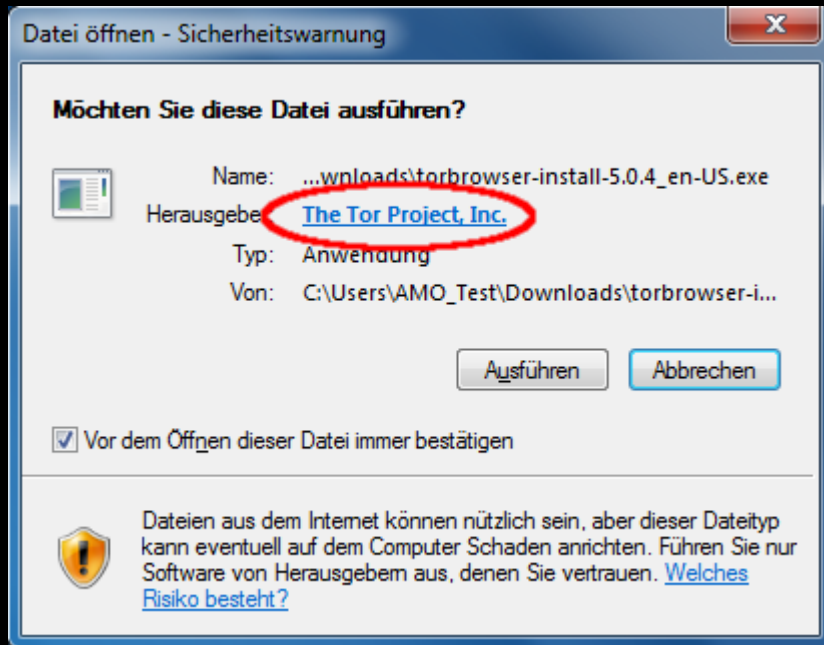
```
gpg --keyserver x-hkp://pool.sks-keyservers.net --recv-keys  
0x4E2C6E8793298290
```

```
gpg --verify /path/to/tor-browser-linux64-5.0.4_en-  
US.tar.xz.asc /path/to/tor-browser-linux64-5.0.4_en-US.tar.xz
```

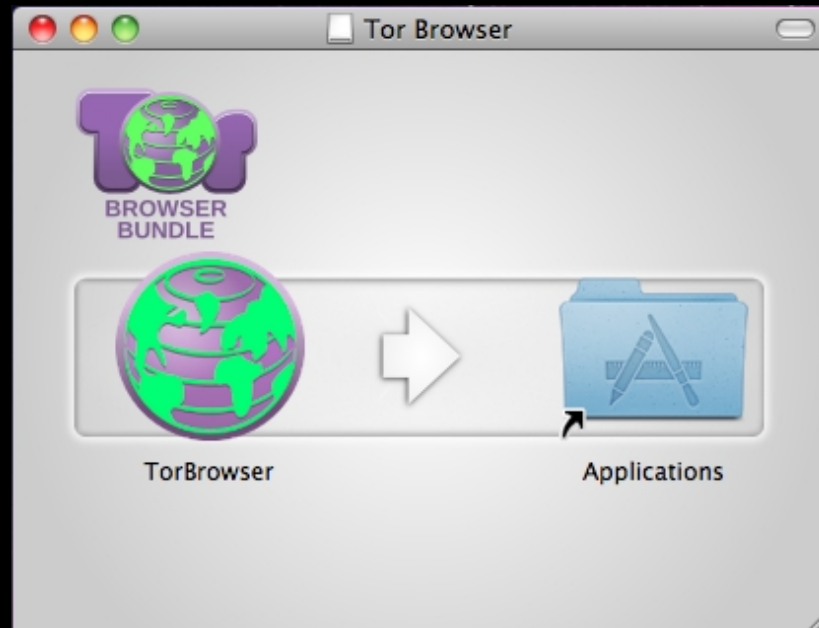
BUT: How do I get a proper PGP program for my operating system if I need one in the first place?

<https://www.torproject.org/docs/verifying-signatures.html.en>

How to install (1/3)?



How to install (2/3)?



How to install (3/3)?

```
tar xavf tor-browser-linux64-5.0.4_en-US.tar.xz
```

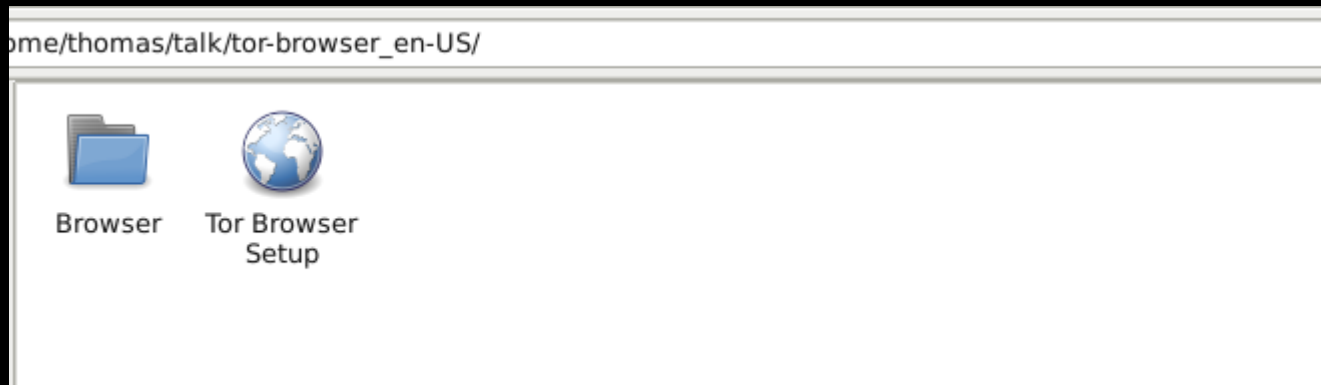
OR

right-click in your file manager and extract the bundle

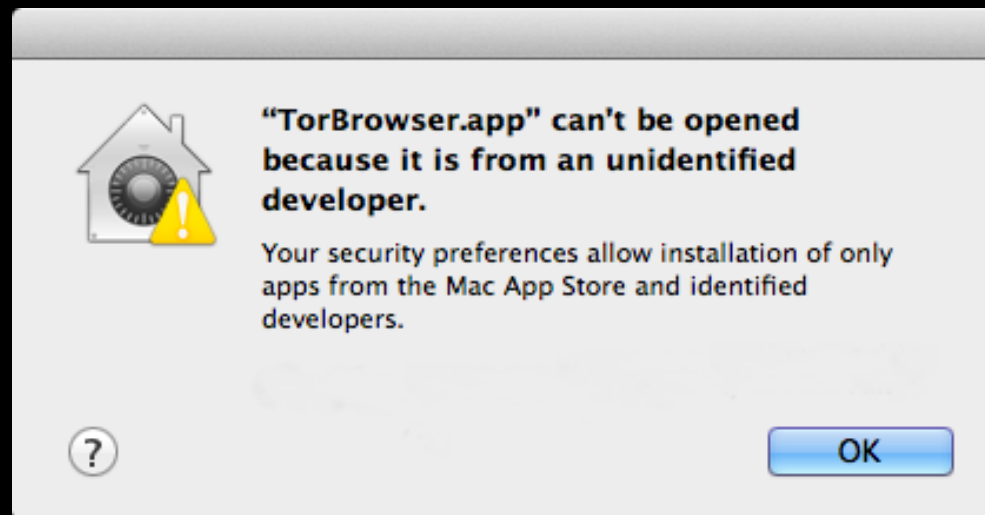
How to get started (1/3)?

```
cd /path/to/tor-browser_en-US
```

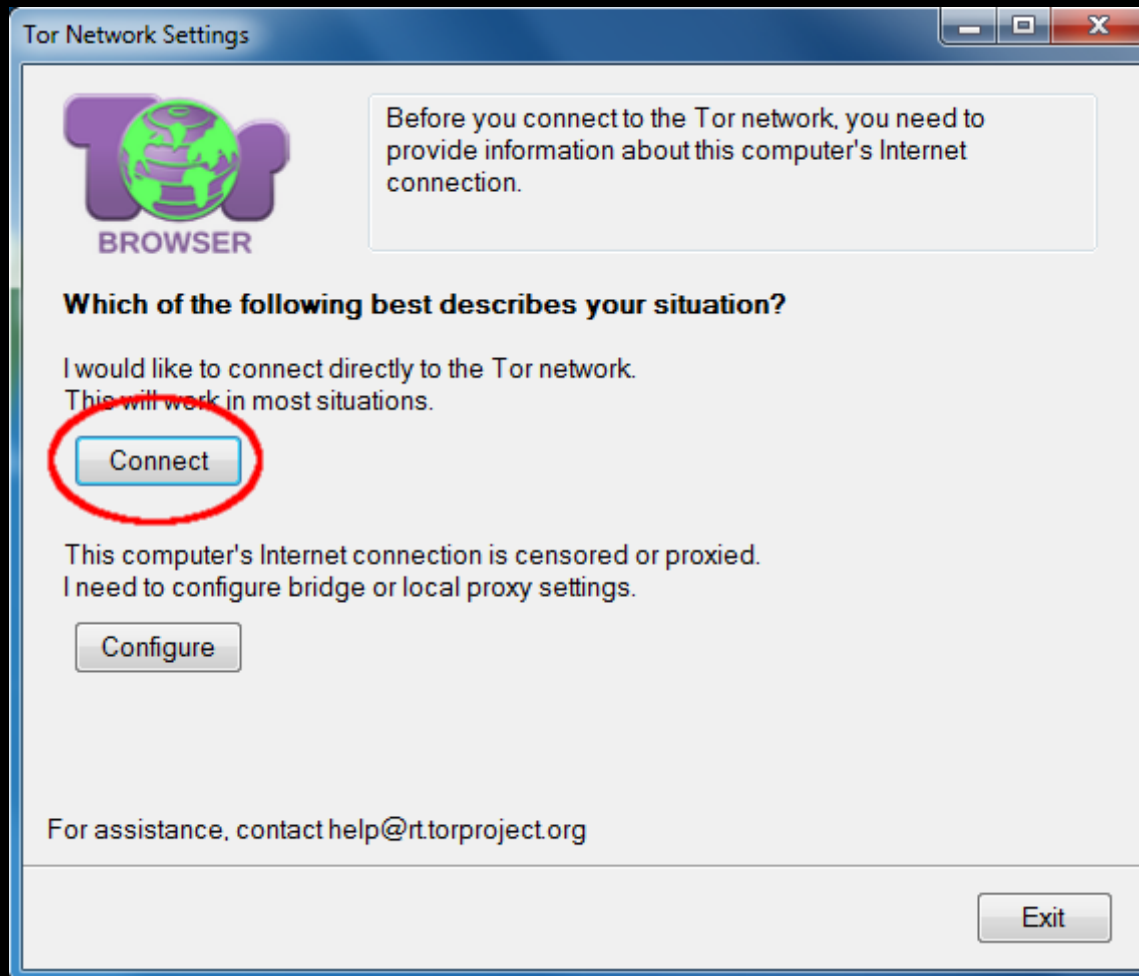
```
./start-tor-browser.desktop
```




How to get started (2/3)?



How to get started (3/3)?



Everything is working?



About Tor

Search or enter address

The green onion menu now has a security slider which lets you adjust your security level. Check it out! [Open security settings](#)

Tor Browser 5.0.4



Congratulations!

This browser is configured to use Tor.
You are now free to browse the Internet anonymously.
[Test Tor Network Settings](#)

Search securely with Disconnect.me.

What Next?

Tor is NOT all you need to browse anonymously! You may need to change some of your browsing habits to ensure your identity stays safe.

[Tips On Staying Anonymous »](#)

You Can Help!

There are many ways you can help make the Tor Network faster and stronger:

- [Run a Tor Relay Node »](#)
- [Volunteer Your Services »](#)
- [Make a Donation »](#)

The Tor Project is a US 501(c)(3) non-profit dedicated to the research, development, and education of online anonymity and privacy. [Learn more about The Tor Project »](#)

Thanks!

Questions?