Short Introduction to Tor

https://cryptoparty.dk

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What is Tor

Tor in a Nutshell

Dos and Don'ts

Hidden Services

Where to go from here

Trivia

- Tor is acronym for The Onion Router
- Is infamously known in the media as "The Dark Web"
- mid 1990s Onion Routing was developed
- In 2002 the first alpha version of Tor was released
- ▶ In 2004 Tor was released as free and open source
- In 2006 The Tor Project was founded



¹https://en.wikipedia.org/wiki/Tor_%28anonymity_network%29

Users of Tor

- Journalists
- ▶ IT Professionals
- People that
 - Want to protect their privacy
 - Hide from targeted marketing
 - Want to access censored websites
 - Blog/tweet without being traced
- ▶ Human rights activists (HRW, EFF, ...)
- Military
- Intelligence agencies

¹https://www.torproject.org/about/torusers.htmleen (≥) (≥) (≥) (2)

Terminology

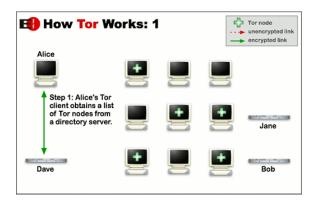
Tor

- ▶ Bridge Node
- Relay
- Exit Node

Crypto

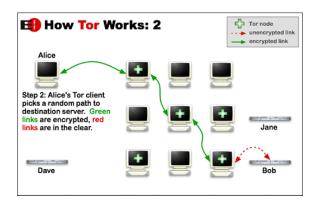
- Alice
- ▶ Bob

Directory listing

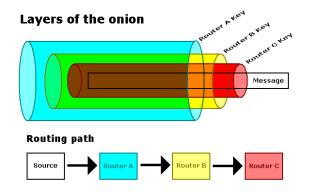


¹Source: https://www.torproject.org/about/overview.html.en

Onion Routing



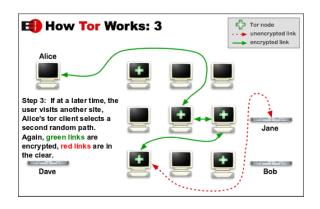
Not Entirely Unlike Ogres



//upload.wikimedia.org/wikipedia/commons/7/7d/Onion_diagram.png

¹https:

Anonymity



Do

- Use it when you need anonymity
- Use it to help others obtain anonymity by
 - Setting up a Tor node
 - Use Tor responsibly
- Learn more

Don't

- Download binaries
- Use it for illegal purposes
- Torrent
- Trust anything blindly

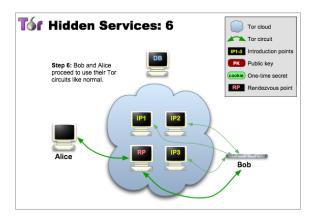


Important notice!

Being anonymous on the internet does not allow you to hurt people or to be an asshole!

Hidden Services

Anonymous sender and receiver



Resources

```
WWW https://torproject.org
IRC #tor on irc.oftc.net
Mail https://lists.torproject.org/cgi-bin/
    mailman/listinfo/tor-talk/
Slides https:
    //github.com/rlindsgaard/presentations/
    2015-01-24-short-introduction-to-tor/
    #cryptopartycph on irc.freenode.net
```