

The Onion Router

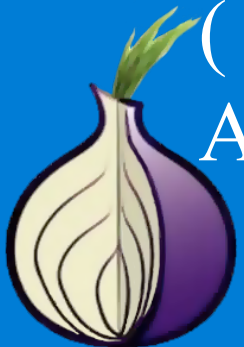


How safe do you feel when browsing the internet?

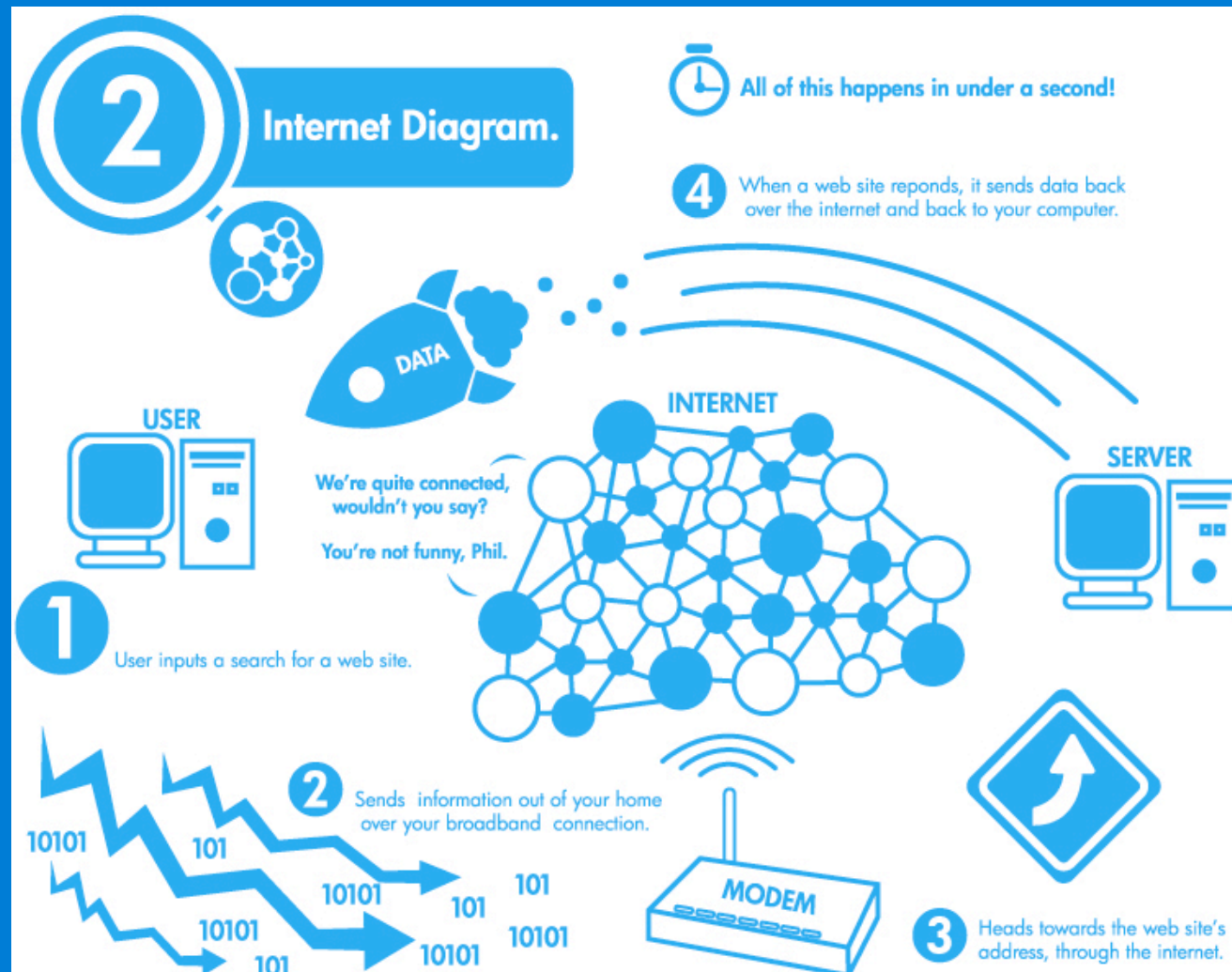
By Robert Gutierrez

Background

- Developed mid 1990's by U.S Naval Research
- Creators: Paul Syverson, Michael Reed, David Goldschlag
- Further Developed in 1997 by DARPA (Defense Advance Research Project Agency)



How the internet works

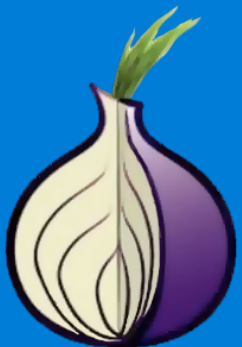
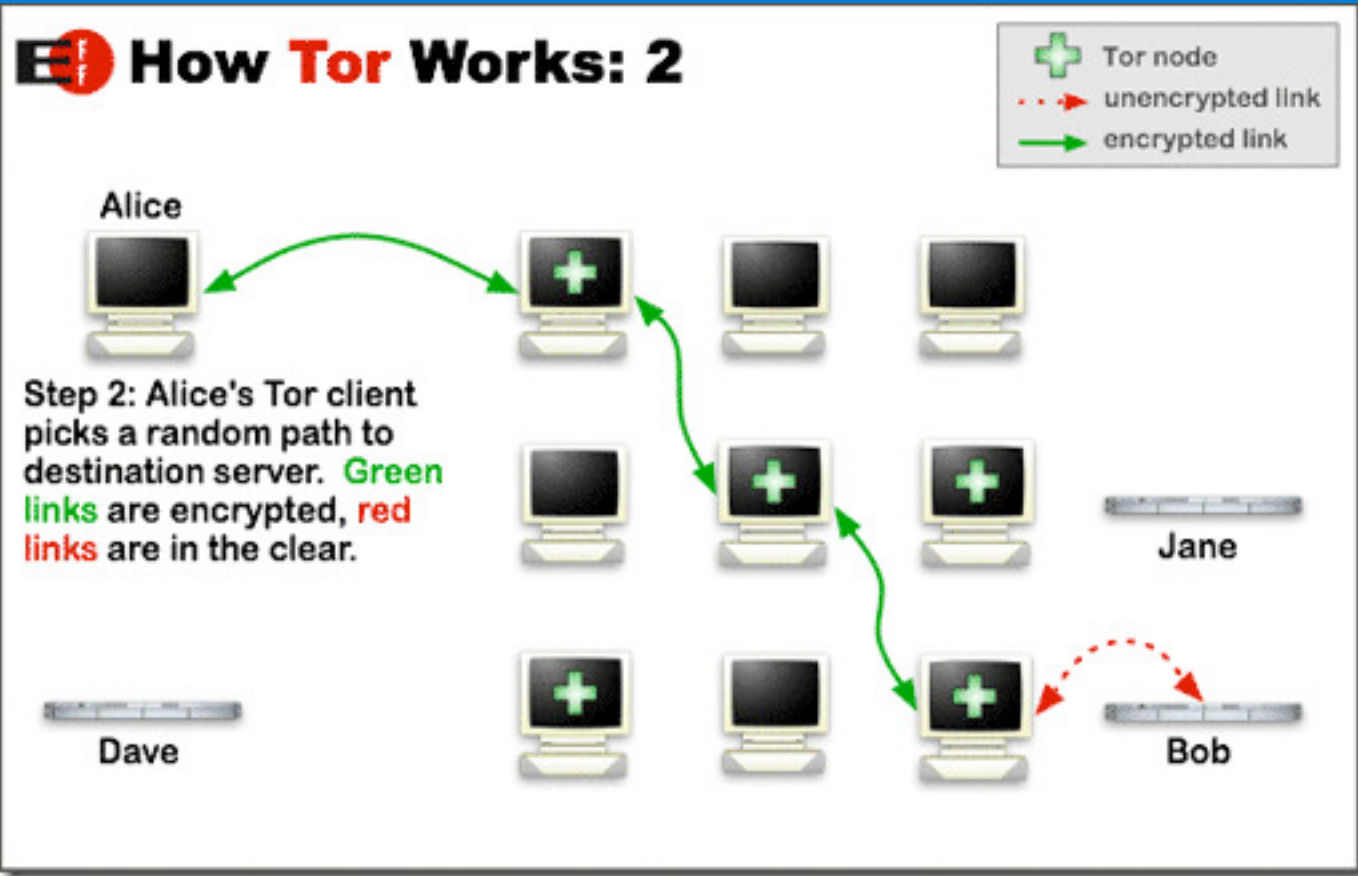


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Using Tor

- Join the Tor network.
- Your desired URL is encrypted
- Your information is relayed through various nodes in the network.
- Eventually reaches destination and then get sent back.

How it works

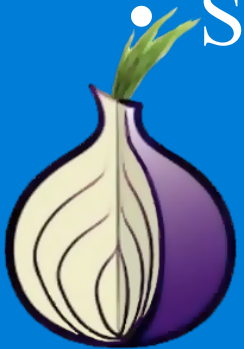


VPN

- Virtual Private Network.
- Establishes a virtual point to point connection.
- Encrypted data, traveling through a tunnel
- Can provide extra security combining it with Tor.

Weaknesses

- Even though you can browse anonymously, it is still known that you are using Tor.
- Must be careful on how you use Tor. Using 3 party applications can be dangerous.
- Tor guarantees anonymity, but not privacy
- Speed



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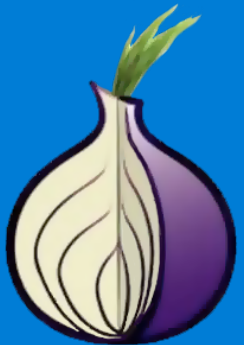
Who can Benefit?

- Journalist
- Law Enforcement
- Activist
- Businesses & Corporate World
- Bloggers
- IT Professionals
- Normal People

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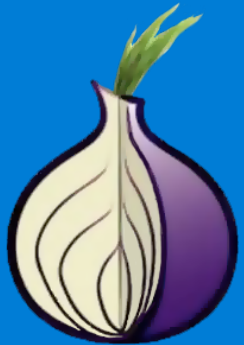
Discussion Questions #1

How do you feel about 3rd party users or government officials viewing your data?
Should we be concerned?



Discussion Questions #2

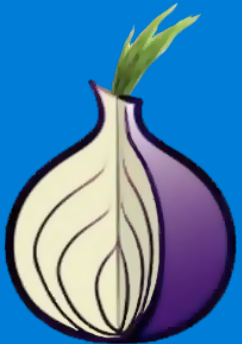
Often media portrays anonymity as a hazard because it allows illicit activity, such as buying drugs, weapons, or hiring hit men. Do you think services like Tor should be shut down for those reason?



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Discussion Question #3

Do you see the internet changing in the future?



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