Intro to I2P

I2P

Privacy?

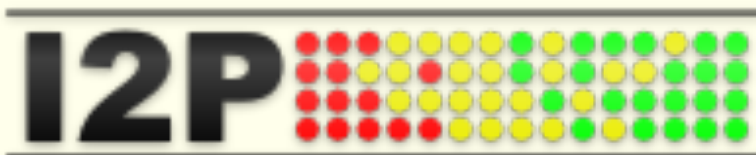"Oh, look . . . they're reading '1984' in Ms. Smith's English class."

Overview

- What is I2P?

- Installation and Configuration

- Things you can do

- How does it work?

- Limitations

I2P

What is I2P?

- An Anonymizing Overlay Network (Darknet)
- No Central Naming Service
- No Central Points of Failure
- Focused on Internal Darknet Services, not Anonymizing Access to the Clearnet

Installation

- Prerequisite: Java VM/RE
- Download: https://geti2p.net
- Installation: java -jar i2pinstall_0.9.15.jar
- Browser Proxy Settings
- Adjust Network and Bandwidth Settings

Things You Can Do

- Eepsites
- Mail
- Torrents
- IRC
- Etc

I2P

Eepsites

- Eepsites ~= Hidden Services ~= Websites
- Addressbook enables Human friendly addressing
- Jump Services
- Finding Eepsites
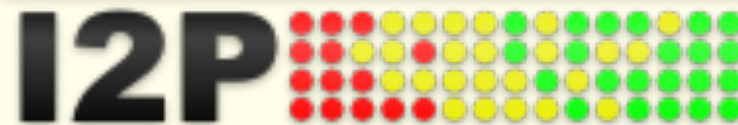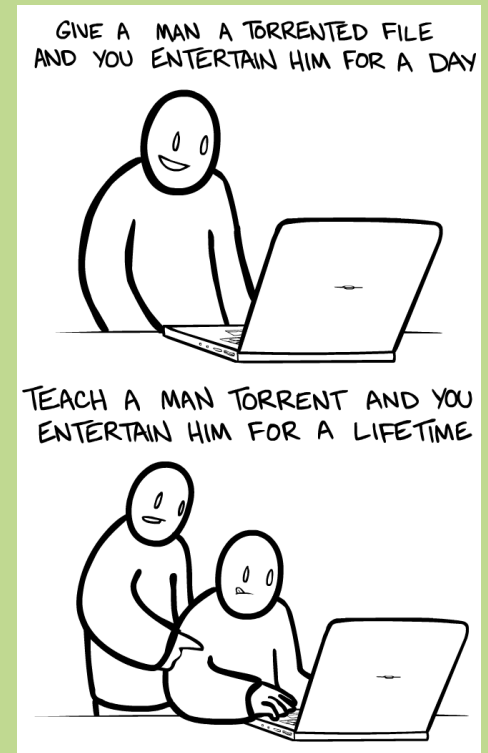- Eepsite Availability
- Hosting Your Own

I2P

Email

- Built-in Service Interface (Susimail)
- Option to Use Conventional Client Software

I2P

Torrents

- Built-in Client (i2psnark)
- Tracker Sites
- Magnet Links
- Where are the files?

GIVE A MAN A TORRENTED FILE AND YOU ENTERTAIN HIM FOR A DAY

TEACH A MAN TORRENT AND YOU ENTERTAIN HIM FOR A LIFETIME

I2P

IRC

- Client Tunnels
- Client Configuration
- Connecting to other Servers

Limitations

- Will not hide the fact that you are using I2P
- Documents downloaded on I2P could give you away if you are not careful.
- I2P != Tor
- Still considered Beta

I2P