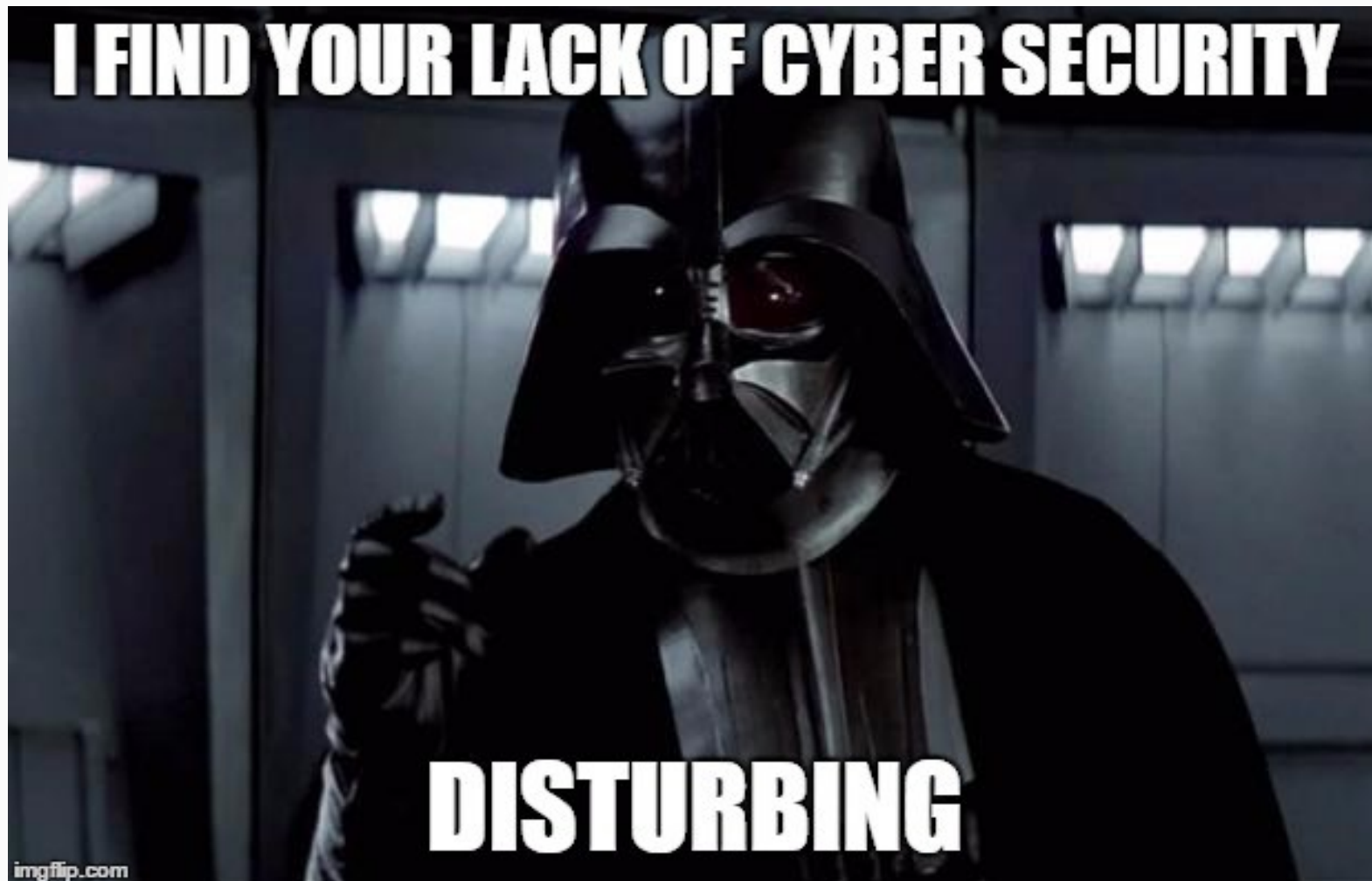




Cypurr Sessions

Man-In-The-Middle and Me!
November 26, 2017

WELCOME!



Outline

- Introduction
- Rules n' Such
- Current Events
- ENCRYPTION GAME!
- Man In The Middle/Mini Workshops
 - Tor/VPN 101
 - Safe Browsing and YOU!
- Thank You/Resources

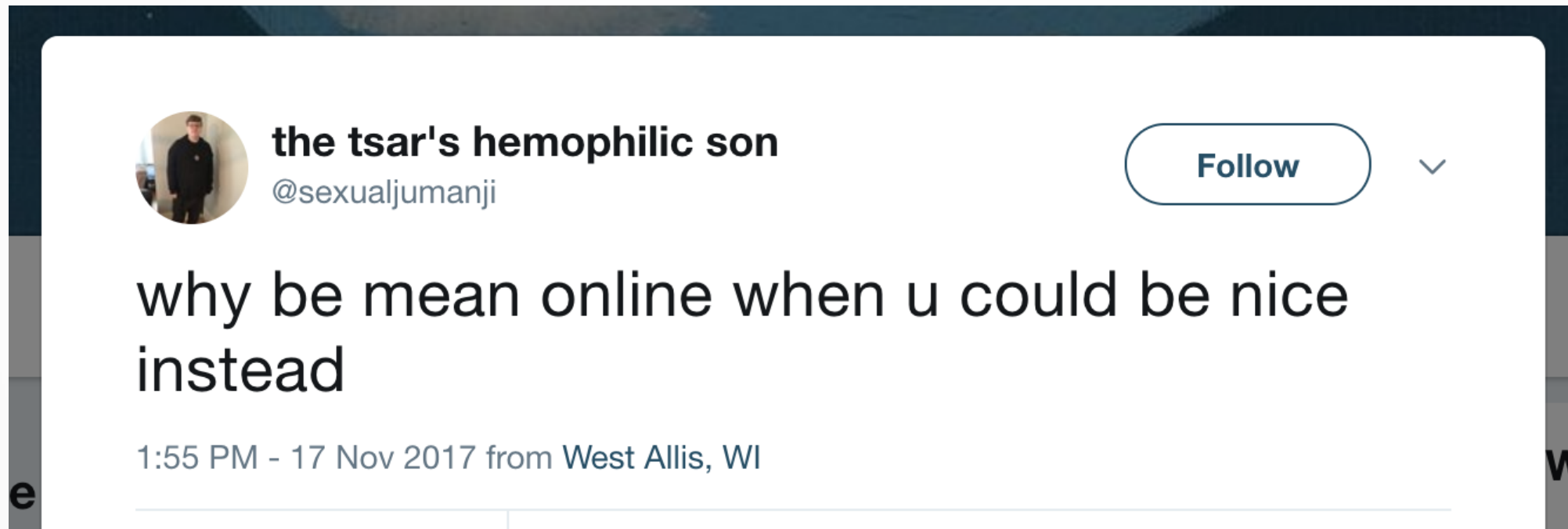
Who are we? Who are you?

- We are the...
 - The Cypurr Collective: A group of folks that organize cybersecurity workshops and socials, looking to spread knowledge and talk about privacy rights!
- ...and you are?
 - Name
 - Pronouns (i.e. he/him, she/her, they/them, ze/zer, etc)
 - In a few words, what brings you here today?

• A few rules for this workshop ...

- Share the space!
 - Step Up Step Back: Ask a question, give a comment, leave room for others to speak
- Stack!
 - Raise your hand and we will put you on the speaking queue
- Saf(er) Space
 - We DO NOT tolerate language or behavior purposefully meant to demean or harm folks based on their identities
 - No one should be forced to discuss their own experience/threat model/situation
 - **Consent:** Ask before helping someone out, before taking their device
- Photo/Video- No photo/video without asking!
- Bonus Rule: Try not to invalidate experiences!

Current Events!

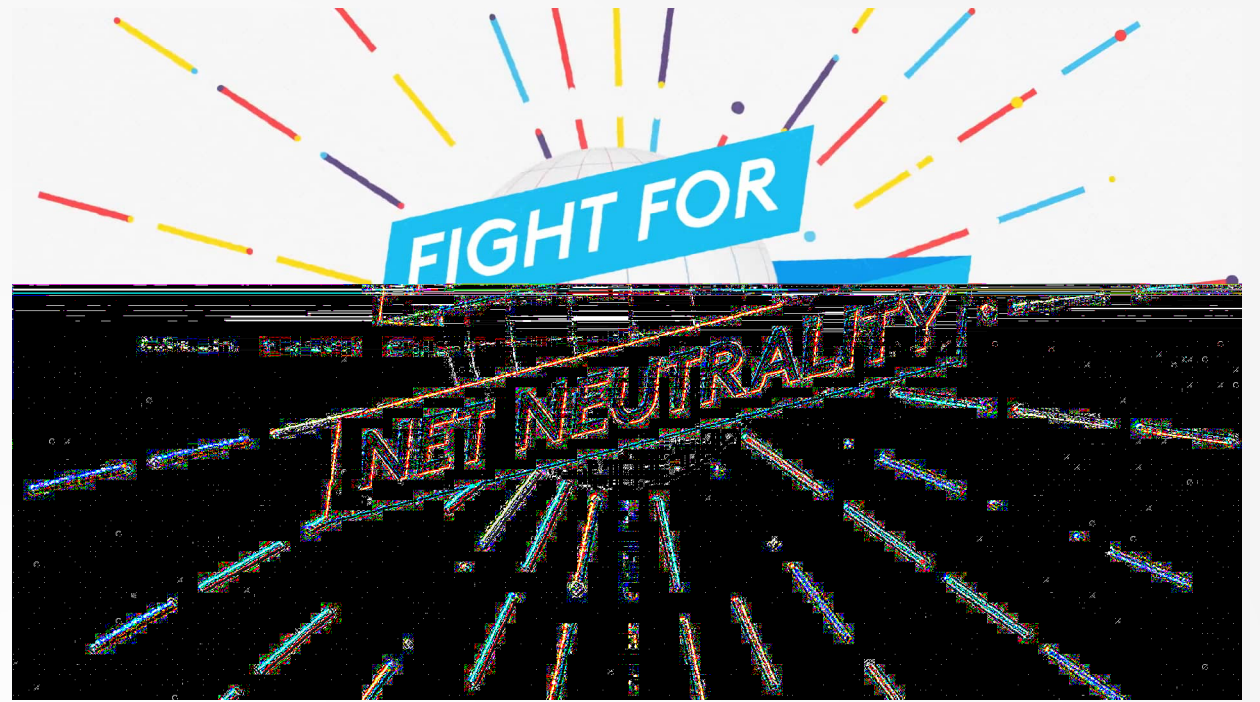


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MIND ?



Story #1: Tiers for Fears

- Ajit Pai, FCC, and Net Neutrality
- November 21st

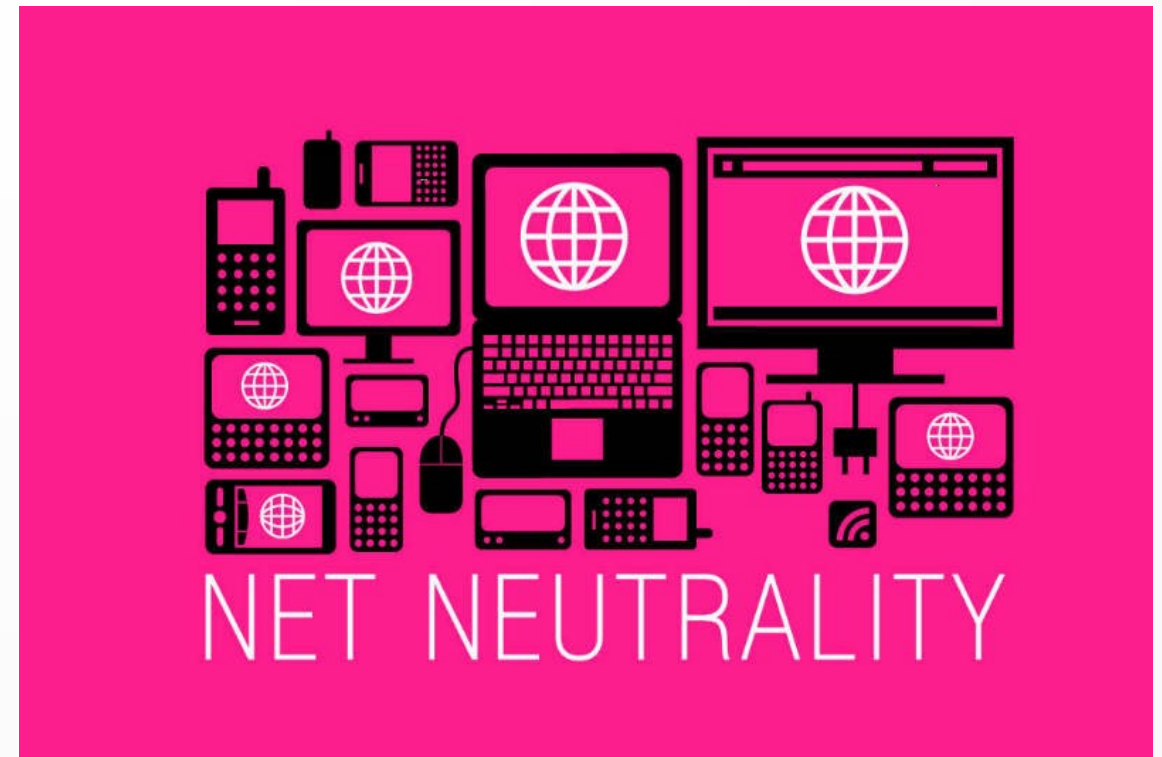
The Story?

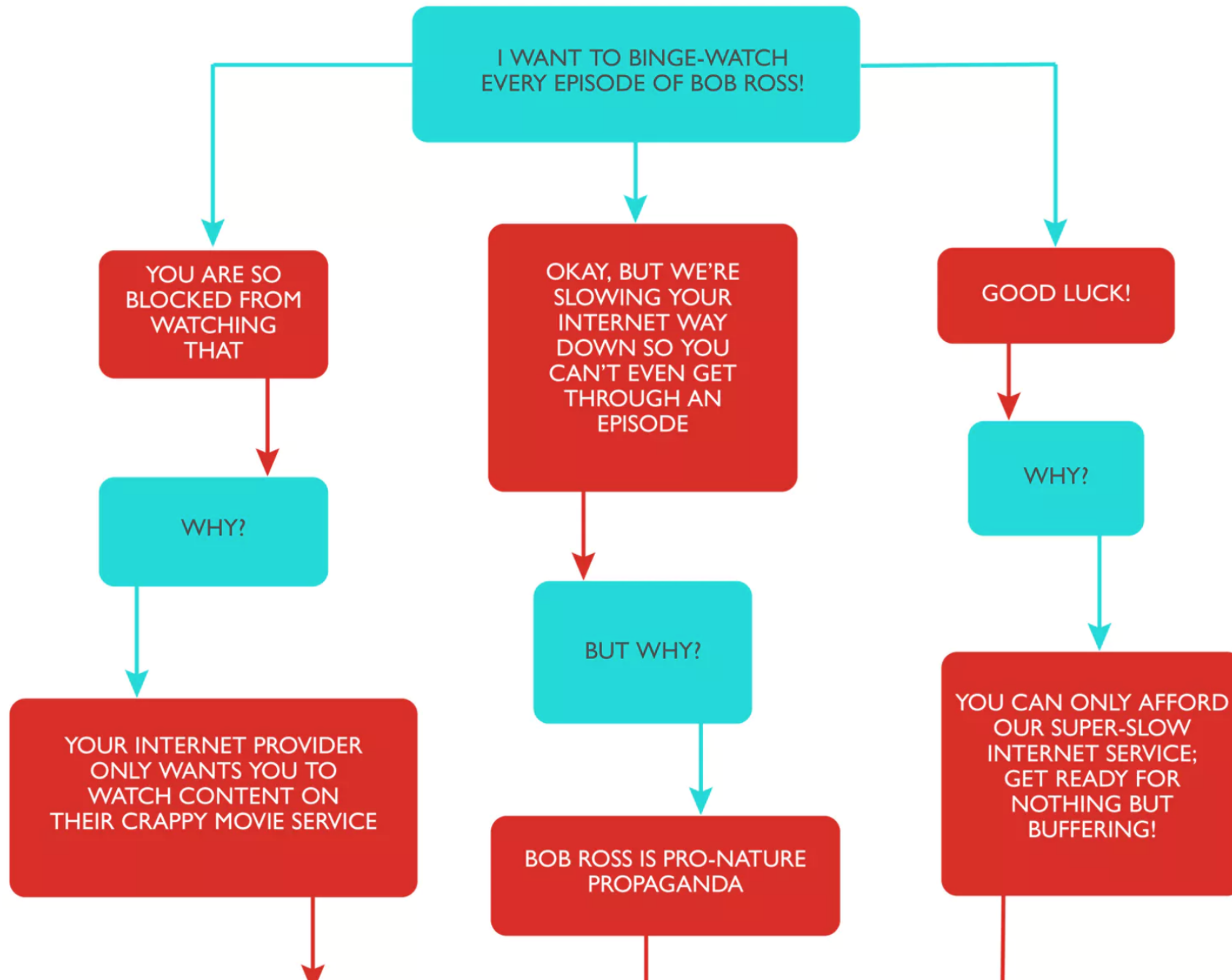
- This past week, the Chairman of the FCC, Ajit Pai, announced a proposal that would begin the reversal of net neutrality rules established under the Obama administration
- With the prediction that FCC members will vote by party lines, analysts say the December 14th vote will reverse these rules, 3-2

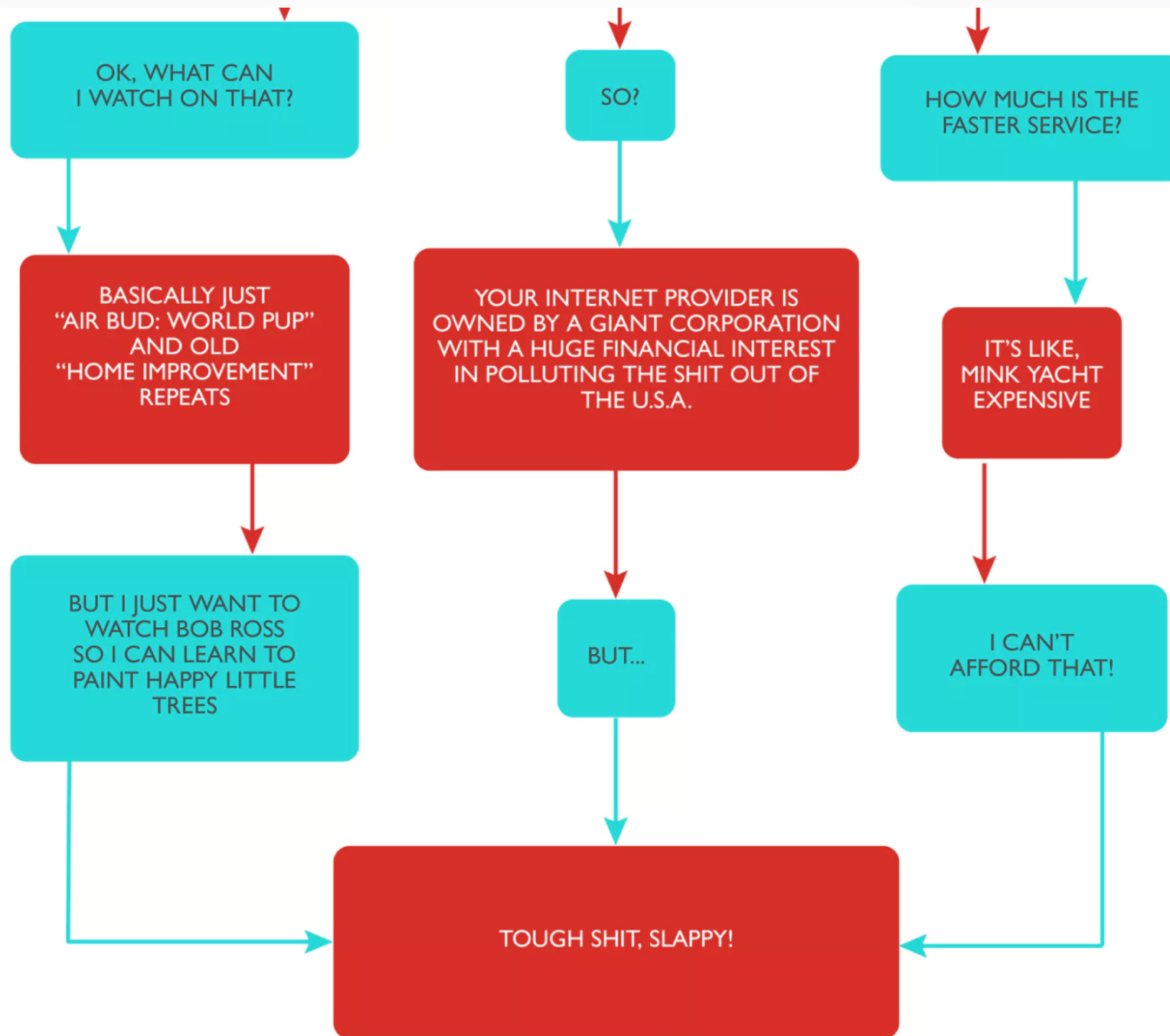


The Threat?

- ISP have more control over distribution of content
 - Censorship
 - Higher Prices
 - Pay to Play
- “...the rules prohibit Internet providers from blocking, throttling, and paid prioritization —"fast lanes" for sites that pay, and slow lanes for everyone else.”







What To Do?

- Check out www.battleforthenet.com/ for more info!
- Comment on FCC.gov!
- Teach yourself, teach a friend!





Story #2: DIY Internet

- Ignored By Big Telecom, Detroit's Marginalized Communities Are Building Their Own Internet
- Motherboard, November 16th

The Story?

- “40 percent of Detroit residents don't have any access to internet at all.”
- “Because of Detroit’s economic woes, many Big Telecom companies haven’t thought it worthwhile to invest in expanding their network to these communities”
- Local group, The Detroit Community Technology Project, is teaching local community members how to create their own Mesh networks for low-income folks



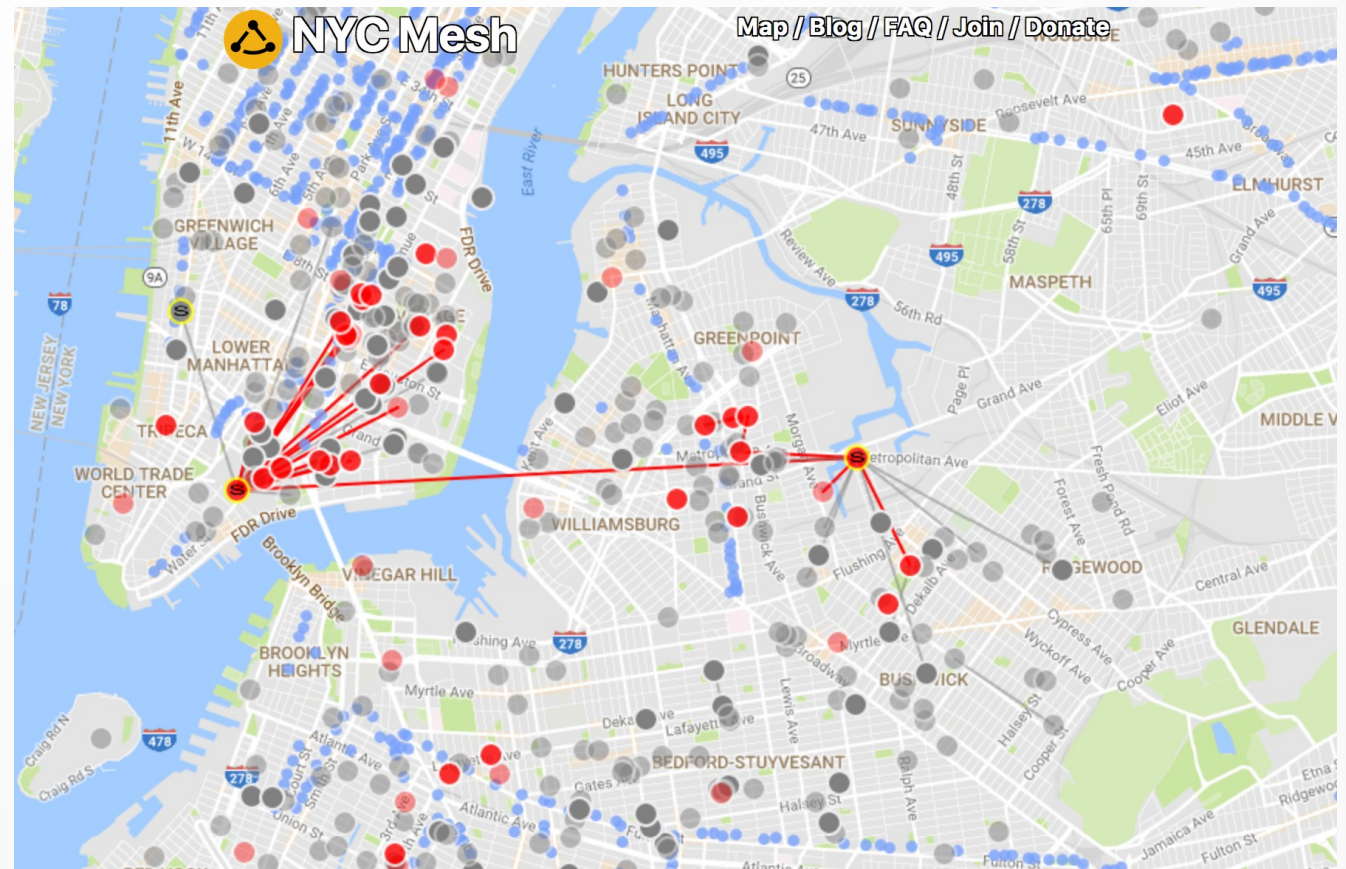
Why?

- Internet is a vital modern need
- Mesh networks allow for internet access, through the installation of nodes/supernodes, without the ISP acting as intermediary
- “In a city that is rebuilding after a decade of economic turmoil, the internet can no longer be a luxury for the wealthy...All of Detroit (or, certainly, more than 60 percent) needs access to the internet and the current structure established by Big Telecom hasn’t made this an easy goal. “



What to do?

- Spread the word about the Equitable Internet Initiative
- Check out similar local efforts!
 - NYC Mesh
 - Red Hook Wifi



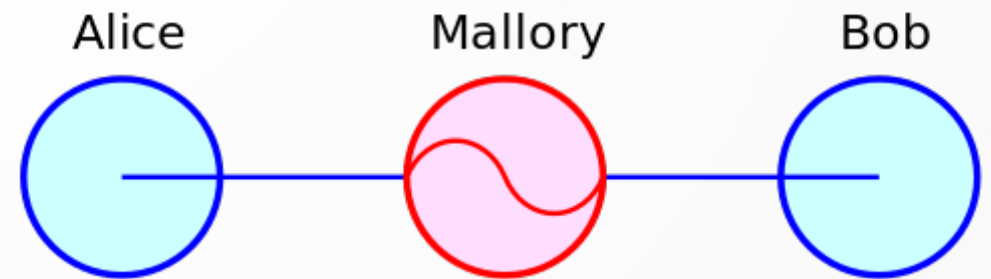
STRETCH BREAK

Man-in-The-Middle and Me!



Man-In-The-Middle....?

- “A Man-in-the-middle attack is where a malicious individual intercepts your communications and pretends to be your intended destination. This individual will see all your traffic before handing it off to your intended target. MITM spoofs an authentic website in order to violate your confidentiality.”
- How does it happen?



ENCRYPTION GAME!

Mini Workshops!

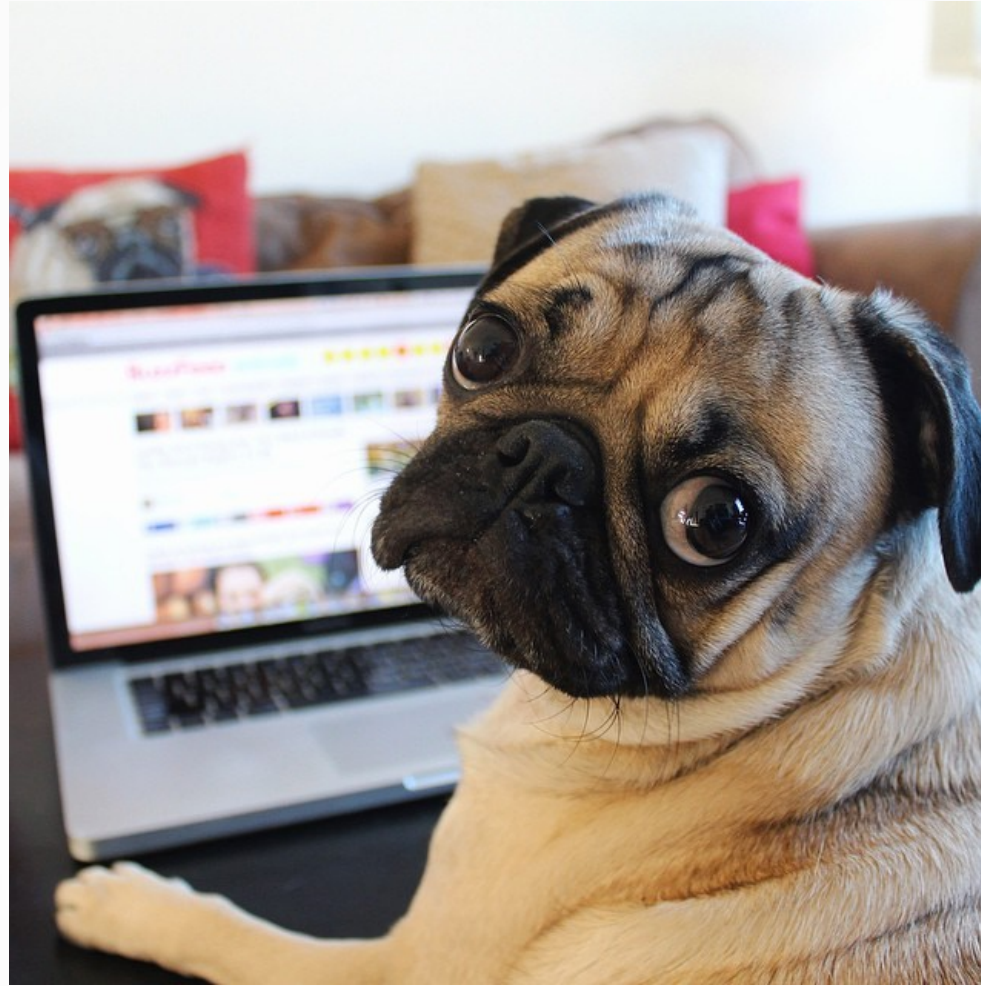
- Intro to Tor/VPN
- Safe Browsing and You!
 - Extensions
 - Online App Alternatives

Thank You and Resources

- CyPurr Collective on Facebook for Future events!
 - Sign up to our email list too, we won't spam ya!
- Current Events Resources
 - BattlefortheNet.com
 - Ignored By Big Telecom, Detroit's Marginalized Communities Are Building Their Own Internet, *Motherboard* November 16, 2017
 - NYCMesh.Net
 - RedhookWifi.org

Thank You and Resources

- Further Resources
 - NYC CryptoParty Meetup/CryptoParty Harlem (Meetup)
 - HacbBlossom (Hackblossom.org)
 - Tactical Tech Collective-
 - *Holistic Security*,
 - *MyShadow*
 - *Data Detox*
 - EFF- *Surveillance Self Defense* (ssd.eff.org)
 - Freedom of the Press Foundation (Freedom.press)
 - AnarchoTech Collective- Ridgewood, NYC



See you next time!