




# TECHNOLOGY BEHIND (GEO) BLOCKING

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Network Working Group

Internet-Draft

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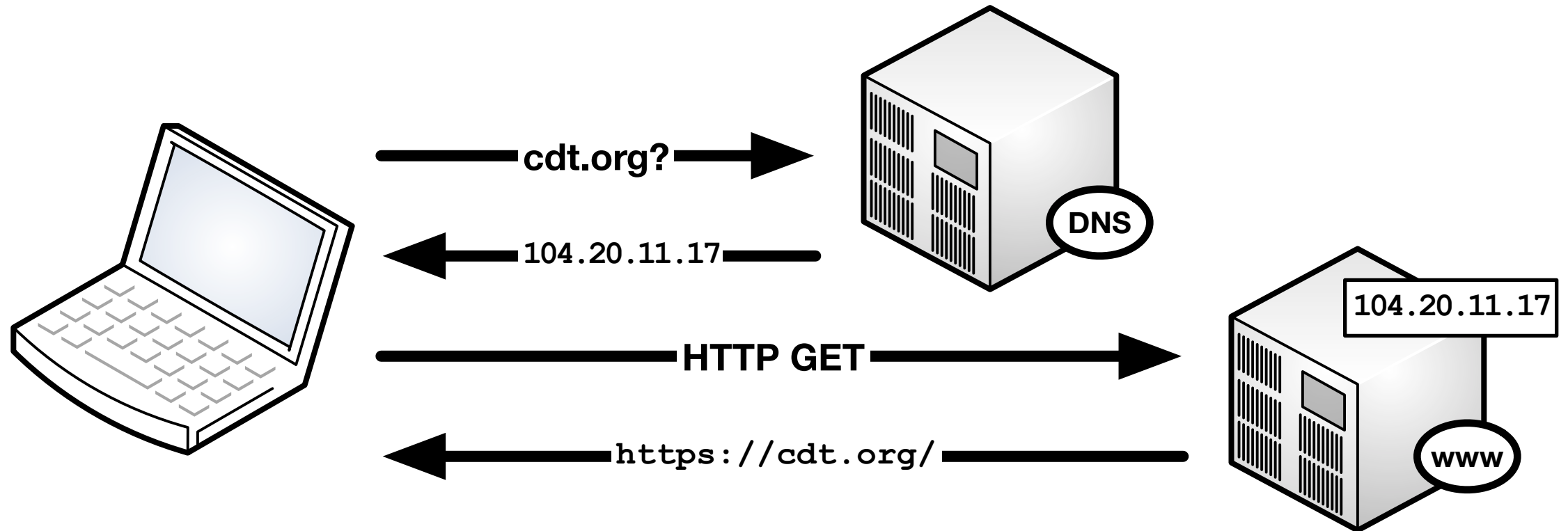
**A Survey of Worldwide Censorship Techniques**  
**draft-hall-censorship-tech-04**

**Abstract**

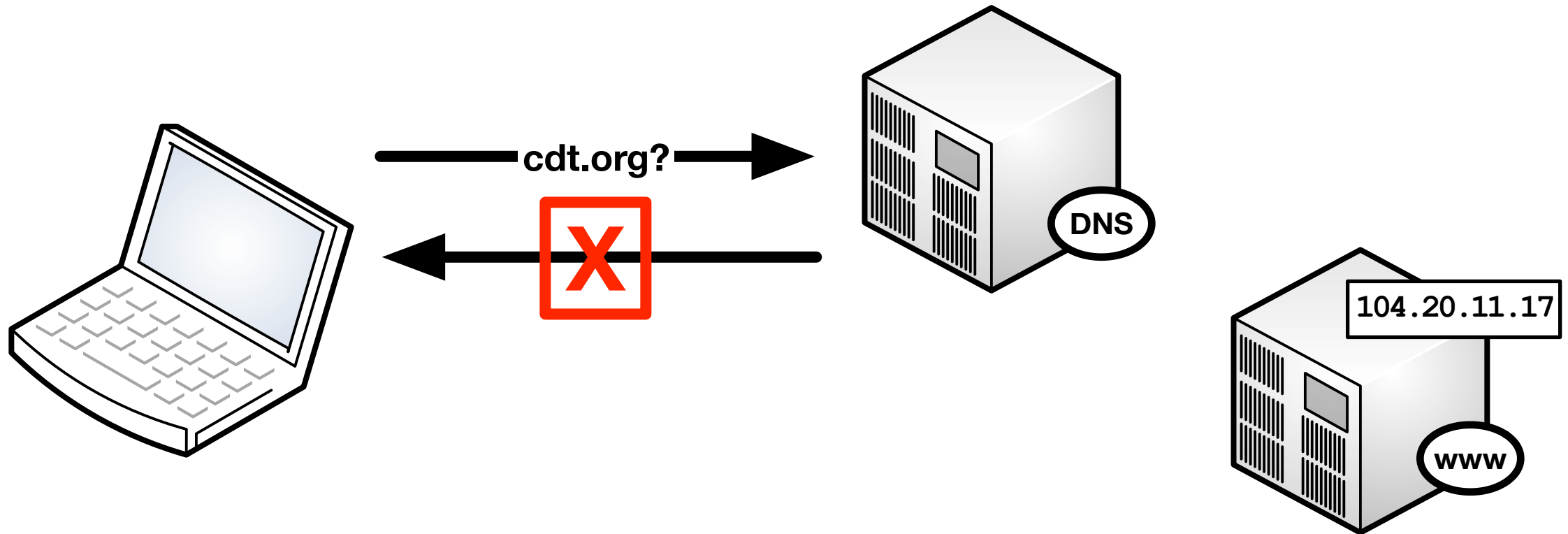
This document describes the technical mechanisms used by censorship regimes around the world to block or impair Internet traffic. It aims to make designers, implementers, and users of Internet protocols aware of the properties being exploited and mechanisms used to censor end-user access to information. This document makes no suggestions on individual protocol considerations, and is purely informational, intended to be a reference.

<https://datatracker.ietf.org/doc/draft-hall-censorship-tech/>

# Normal web request...



with DNS blocking...

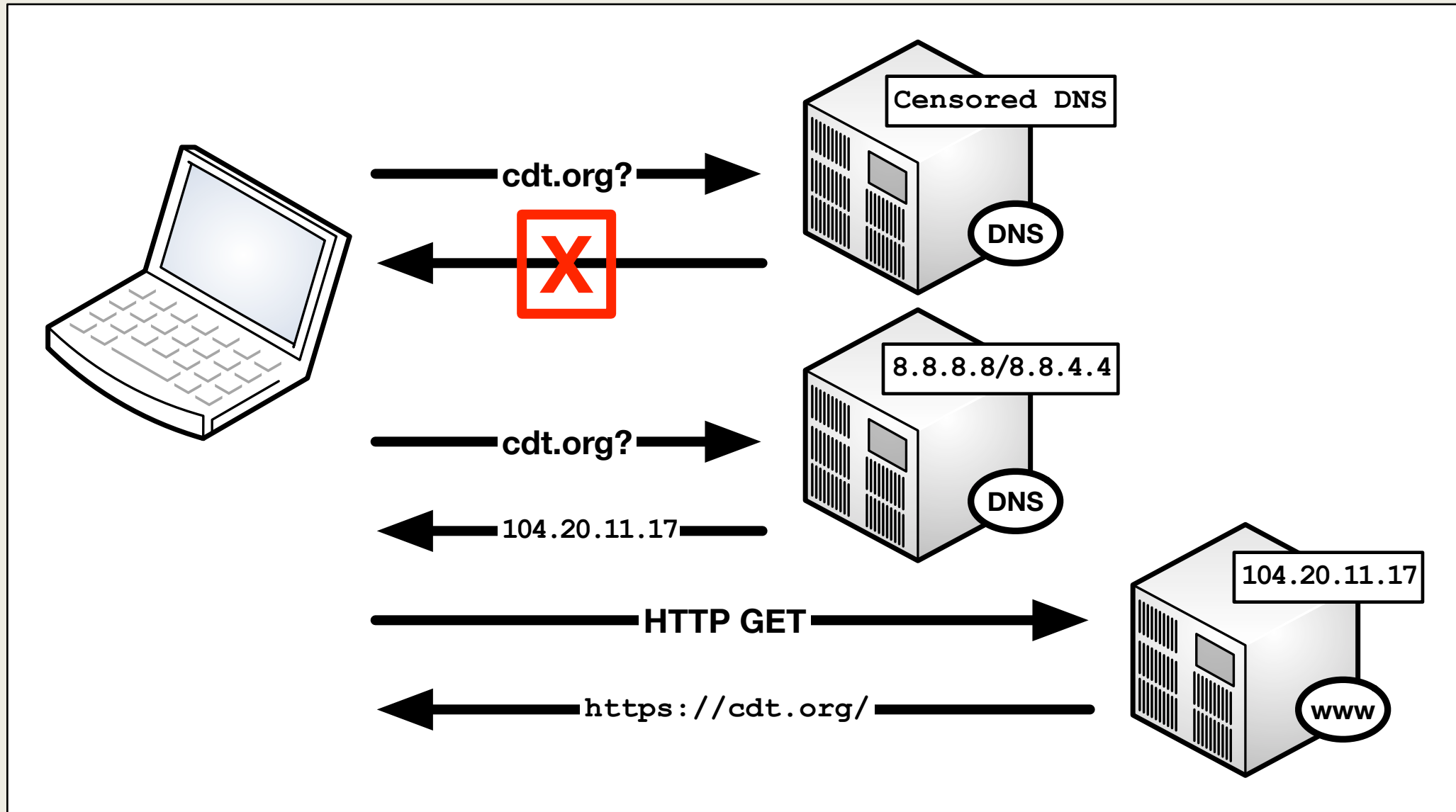


...can simply use alternative DNS

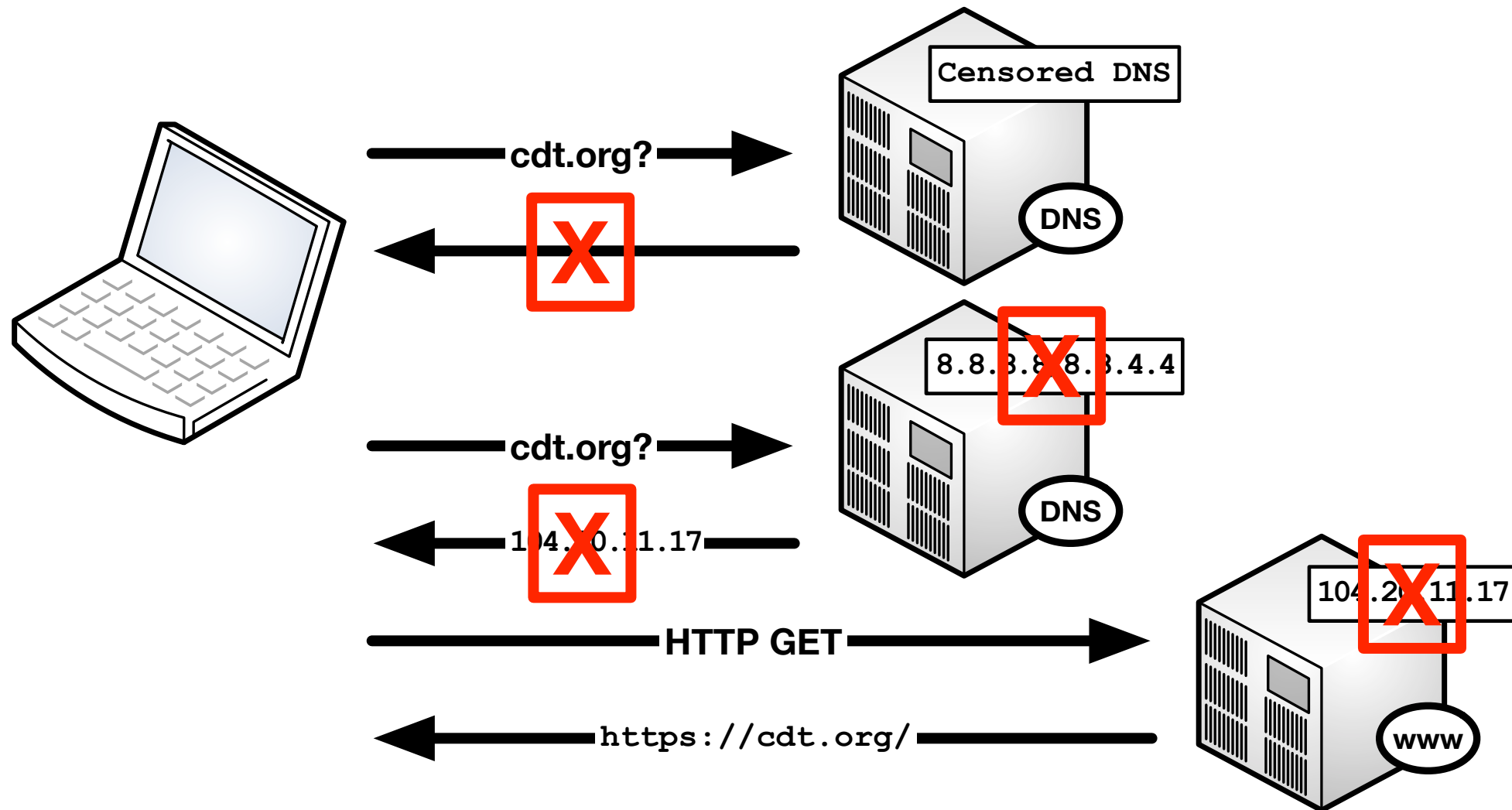


@KADIKOYBASKA

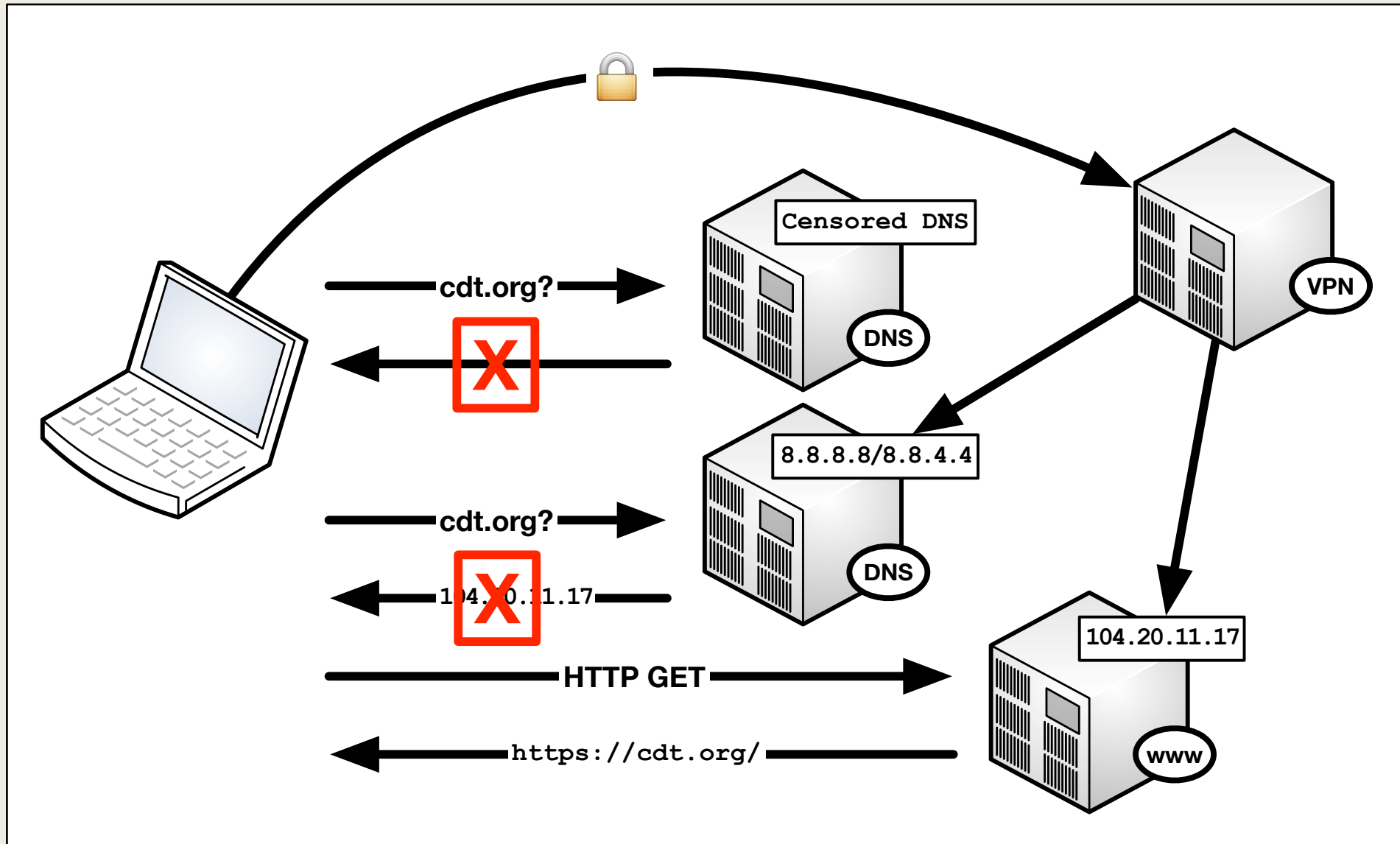
# Switching to an alternative DNS



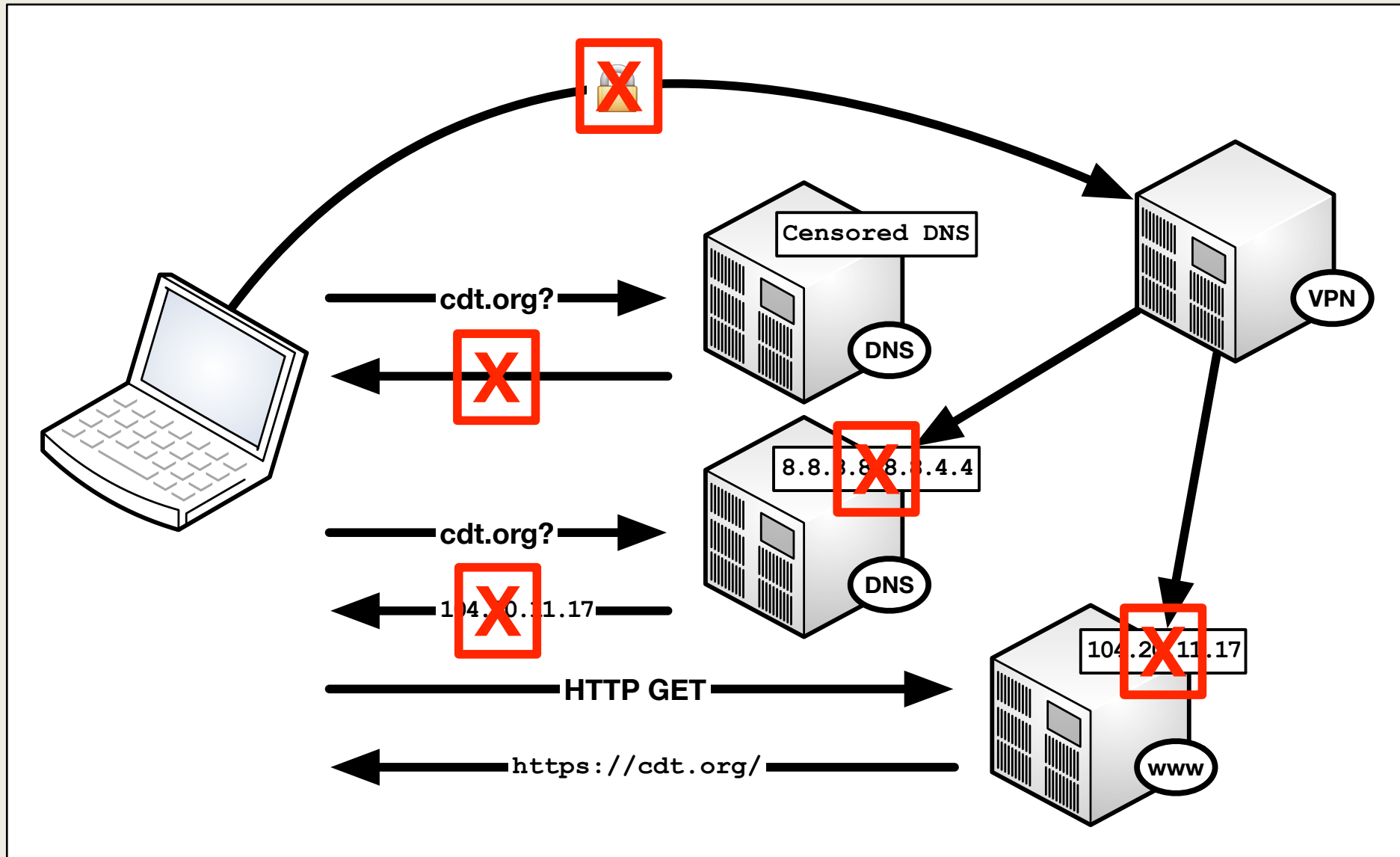
# IP blocking/Route blocking...



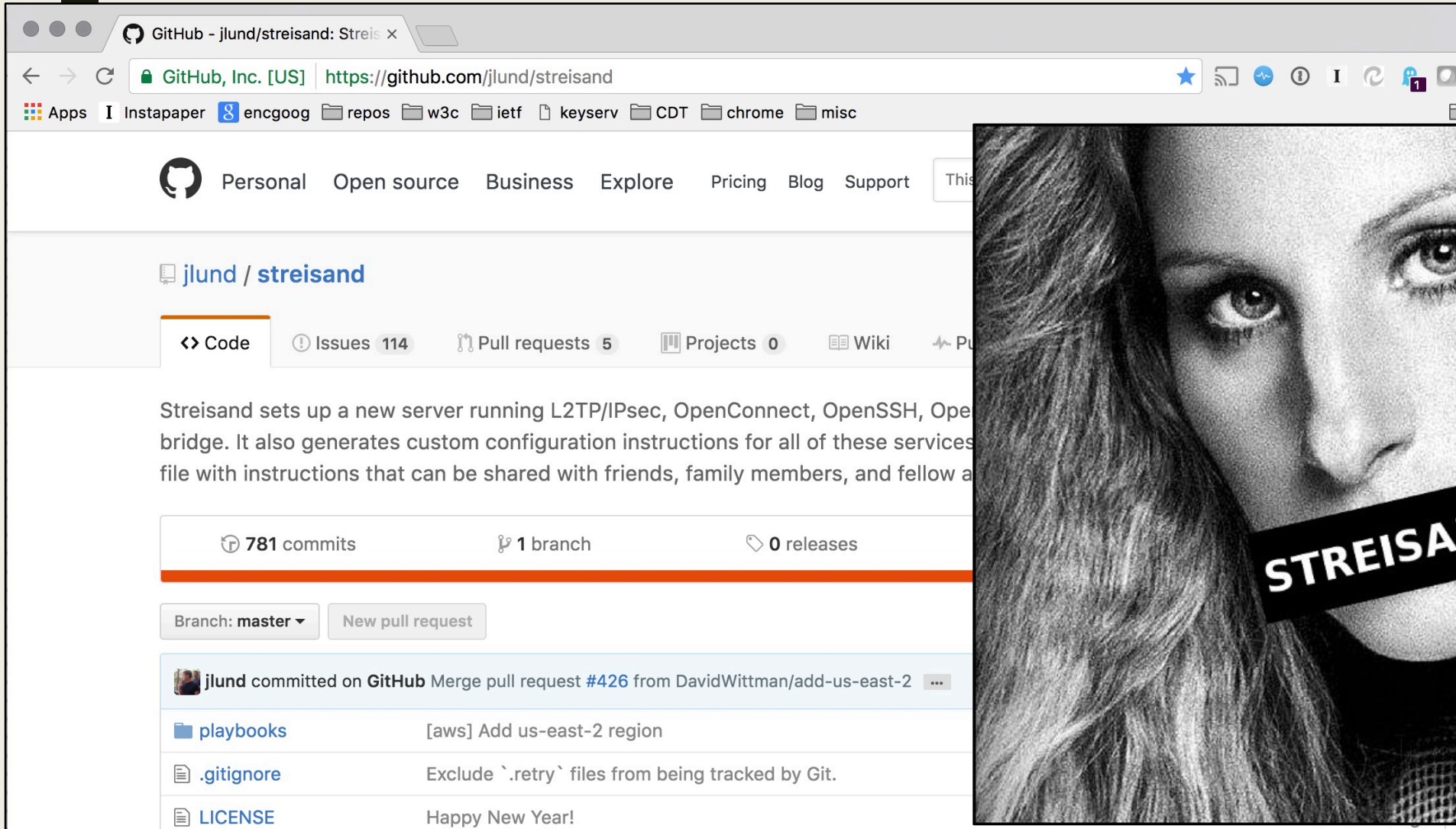
# VPNs can avoid most IP/Route blocks



# Unless VPN IPs are blocked!



# Then, you'll need a discrete VPN...



<https://github.com/jlund/streisand/>

# Thank you!

- We barely scratched the surface here!
  - more: <https://datatracker.ietf.org/doc/draft-hall-censorship-tech/>
- Contact:
  - [joe@cdt.org](mailto:joe@cdt.org)
  - <https://cdt.org/>; <https://josephhall.org/>
  - PGP: 3CA2 8D7B 9F6D DBD3 4B10 1607 5F86 6987 40A9 A871