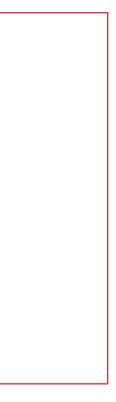
Orchid Labs Inc. MARCH 2018

brian j. fox free software advocate co-founder, orchid labs bfox@orchid.com







nursery school, 1964





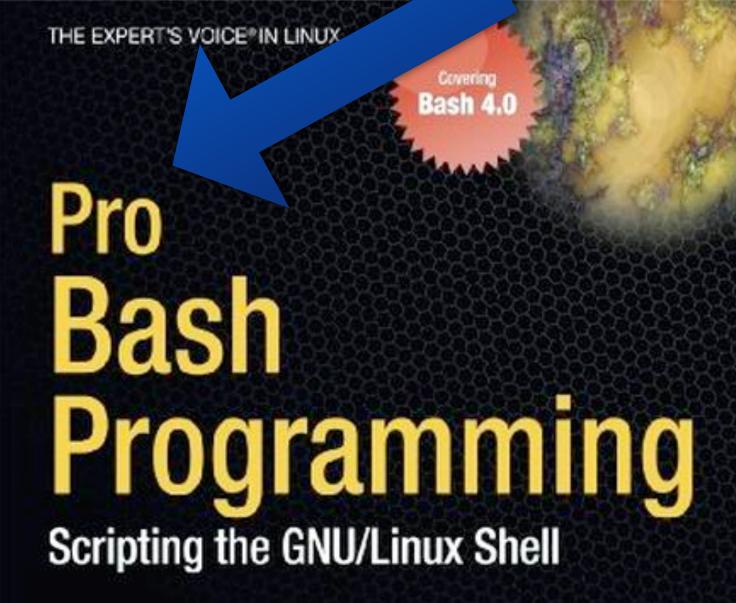
nursery school, 1964



how i met rms

I wrote some software

write some software



Programming bash from one-liners to professional programs

Chris F.A. Johnson

Apress"

makeinfo

readline

bash

history

info gdb remote debugging maintain emacs

Orchid is an open source movement to create a new internet — one which is controlled by you, and not your government or ISP.





Orchid is a network built by everyone who joins it's like a party — can't really have one by yourself.

open source internet 2.0







Orchid is *incentivized* — just like existing infrastructure, people pay to use it. And the people providing the infrastructure get paid for doing so.

open source internet 2.0 built by its members





Orchid is a free and open marketplace and platform for the delivery of digital services. Bandwidth is the flagship service, but compute, storage, and other services can be trivially built on top of the Orchid Protocol.

open source internet 2.0 built by its members incentivized via blockchain token payments





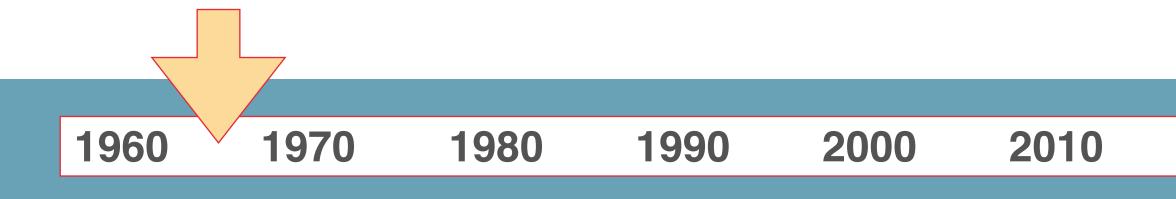


when we started

mainframe

centralized

what's a network?





2017





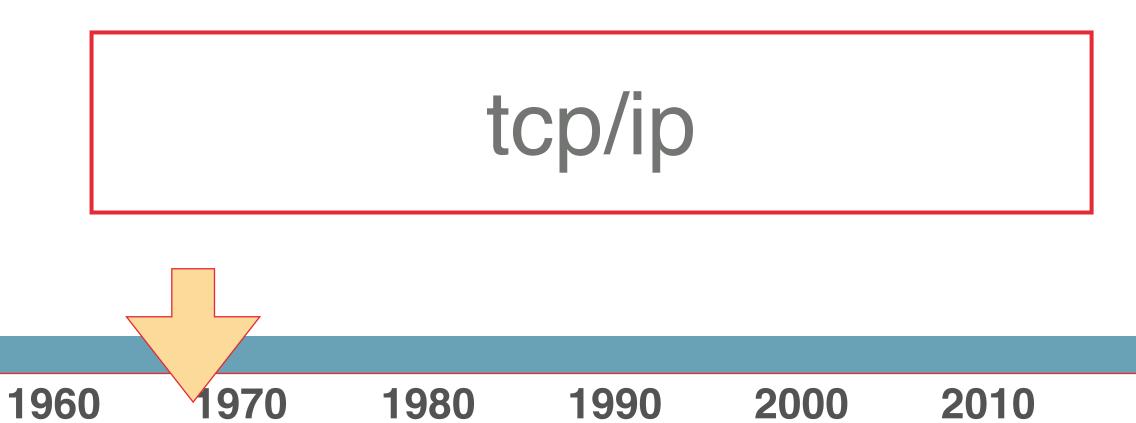




ARPA & IMPS

1969 UCLA

telephone network



1990

2000

2010

1980









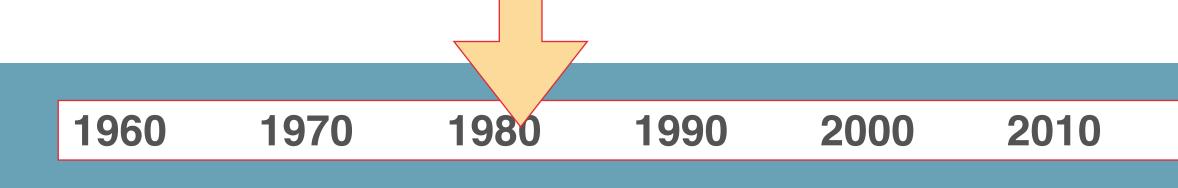


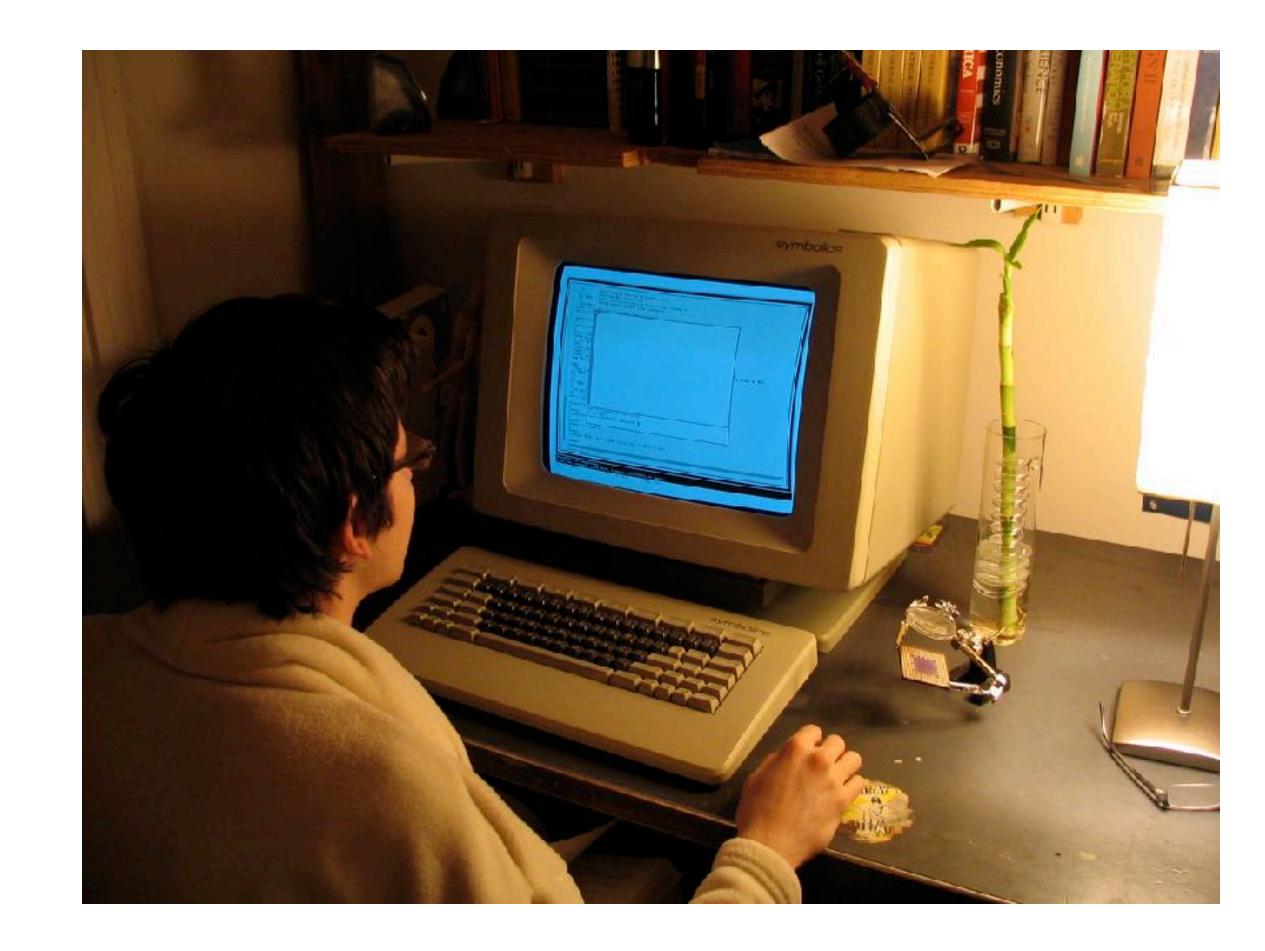
independence

decentralized

workstation

MIT AI LAB chaosnet





≈ ORCH1D 2017





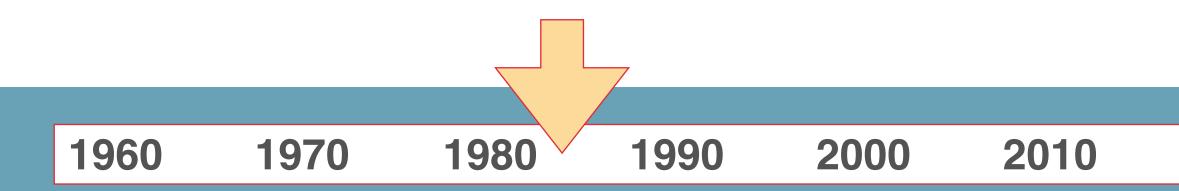


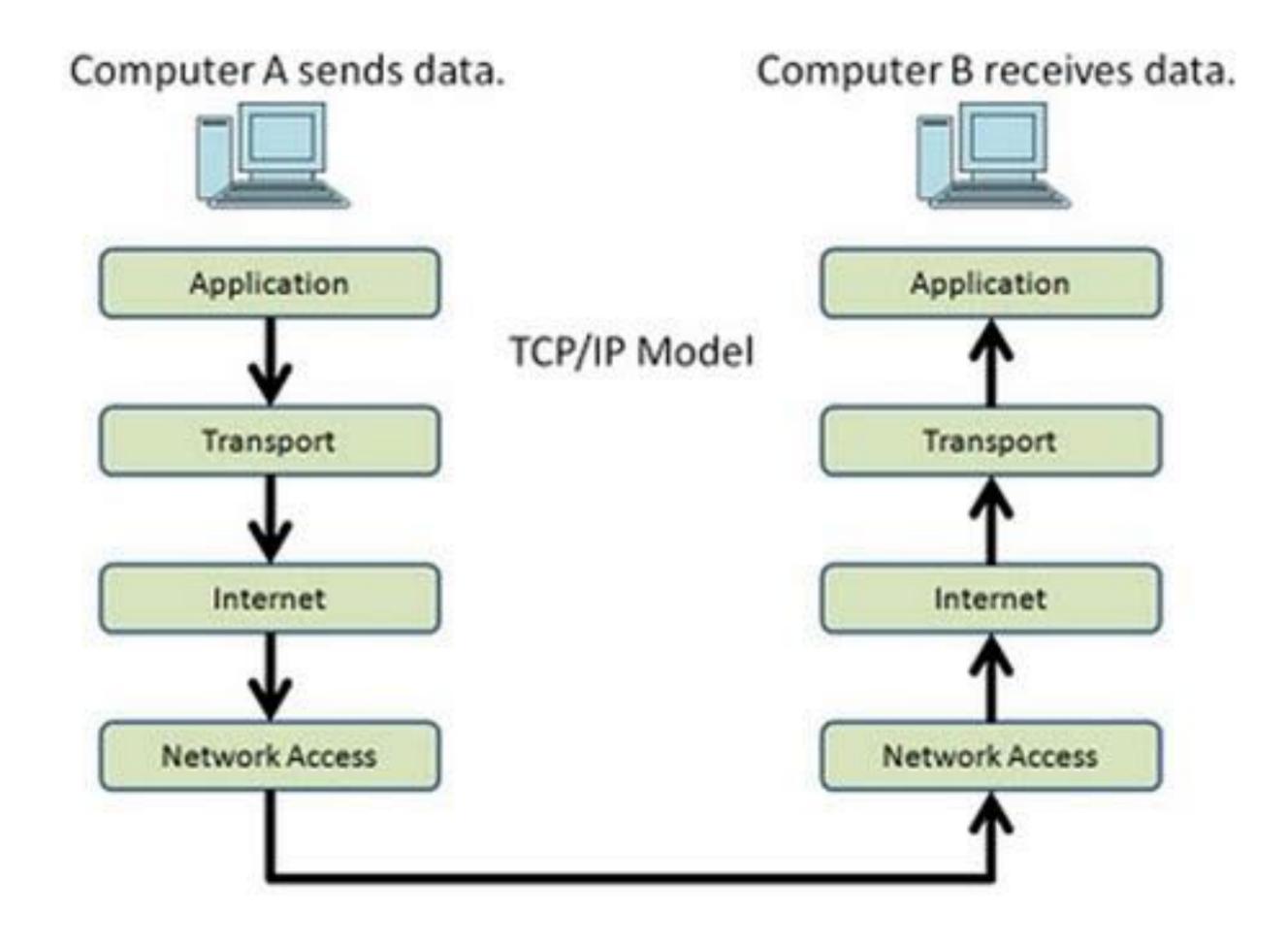
collaboration

arpanet – long haul

LANs – office/lab

connectivity increasing











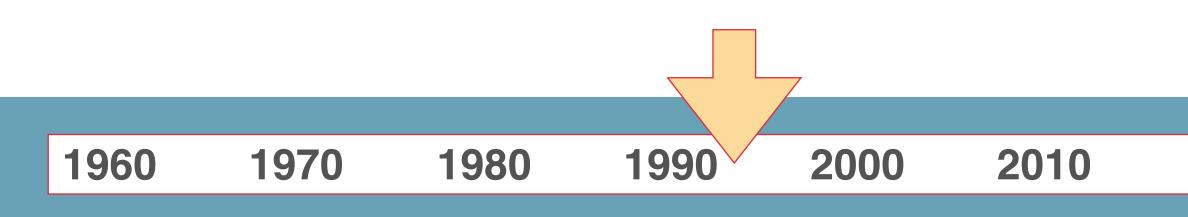


the internet!

from gopher

to http/www

and ISPs





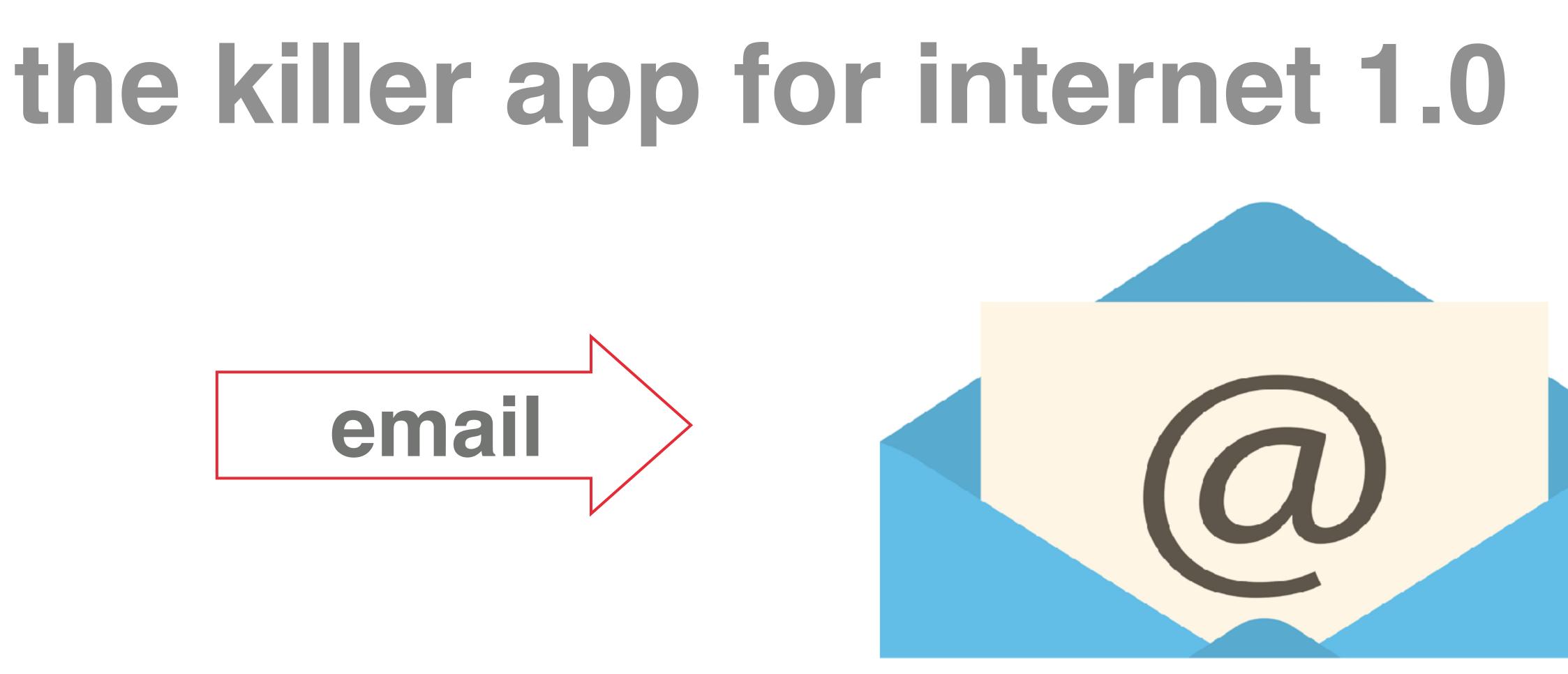


















killer app for internet 2.0? bandwidth







killer app for internet 2.0? bandwidth creates web 3.0 bandwidth















Charter COMMUNICATIONS









all your traffic are belong to us

XINTY®

exede INTERNET

Charter COMMUNICATIONS













all your data are belong to us, too











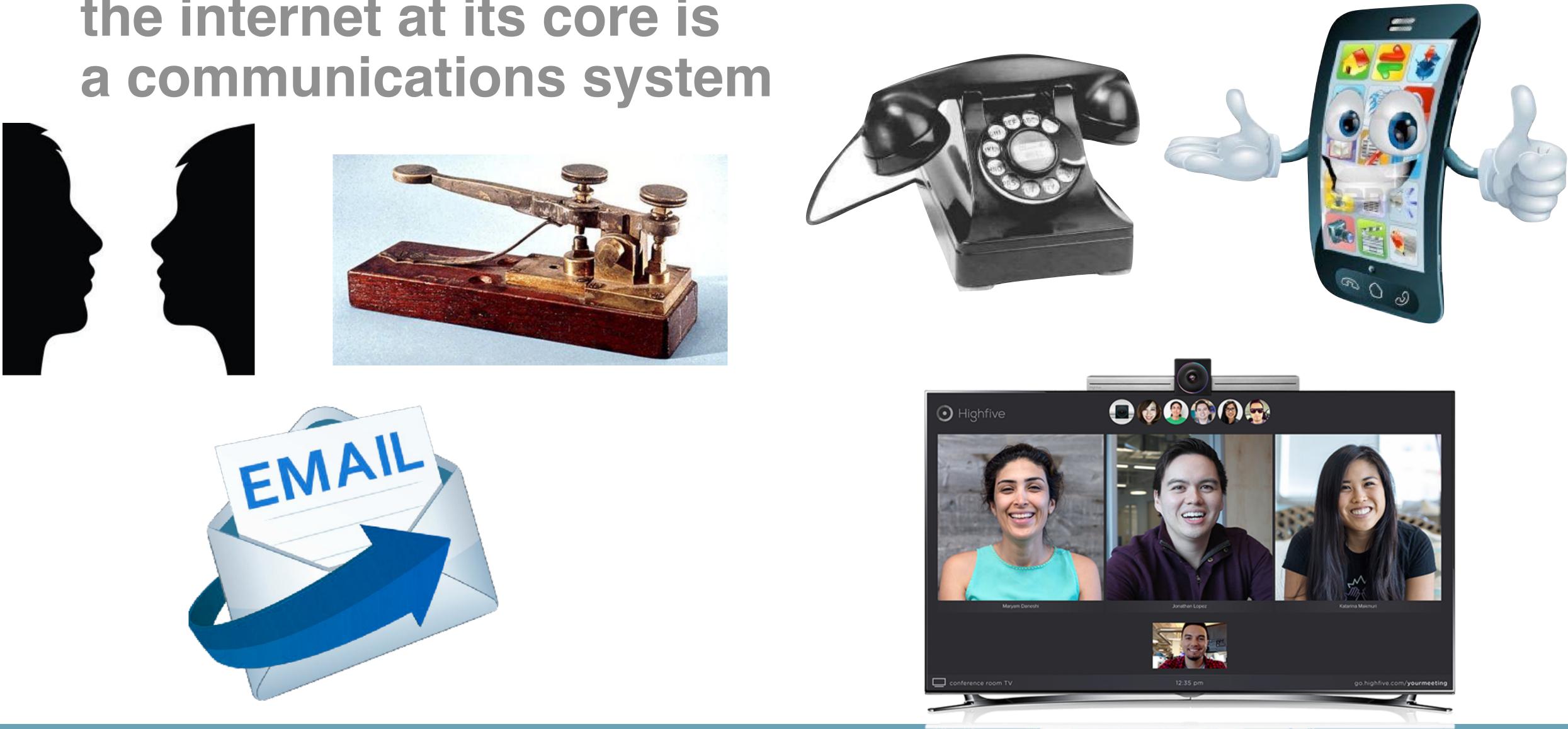


- my name
- my phone number
- my physical address
- my credit card number
- my social security number
- my browsing history





the internet at its core is





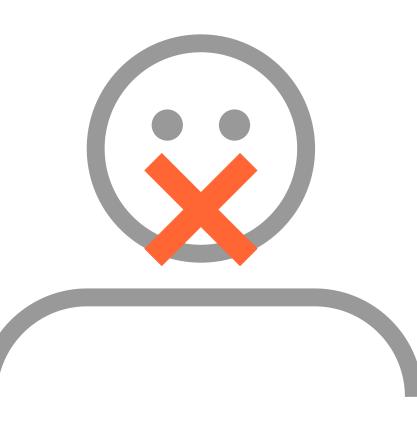




a communications medium where you cannot communicate doesn't really work

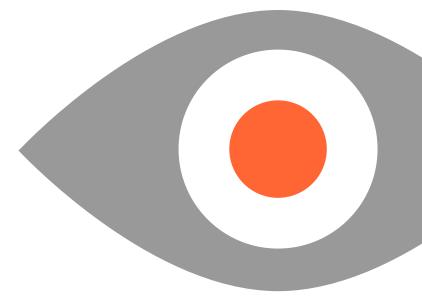
you are censored

Two thirds of all Internet users live in countries subject to strict censorship



you are surveilled

ISPs and firewalls watch where you go and what you do



you are denied







a new network

FULLY Decentralized

FULLY Anonymous

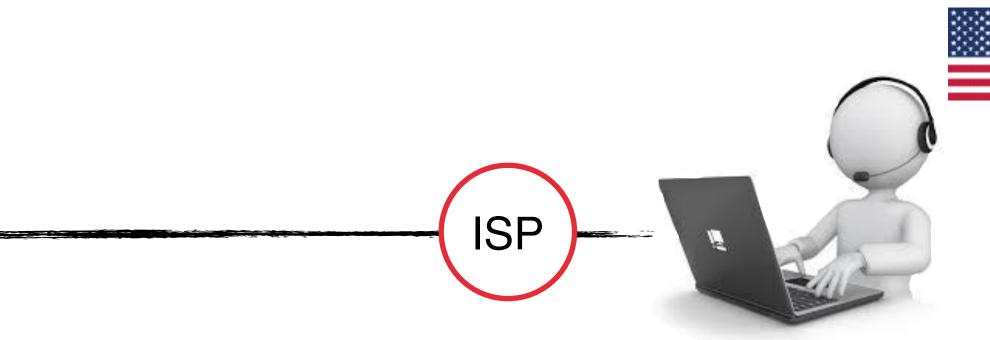
ORCHID DEMOCRATIZED INTERNET









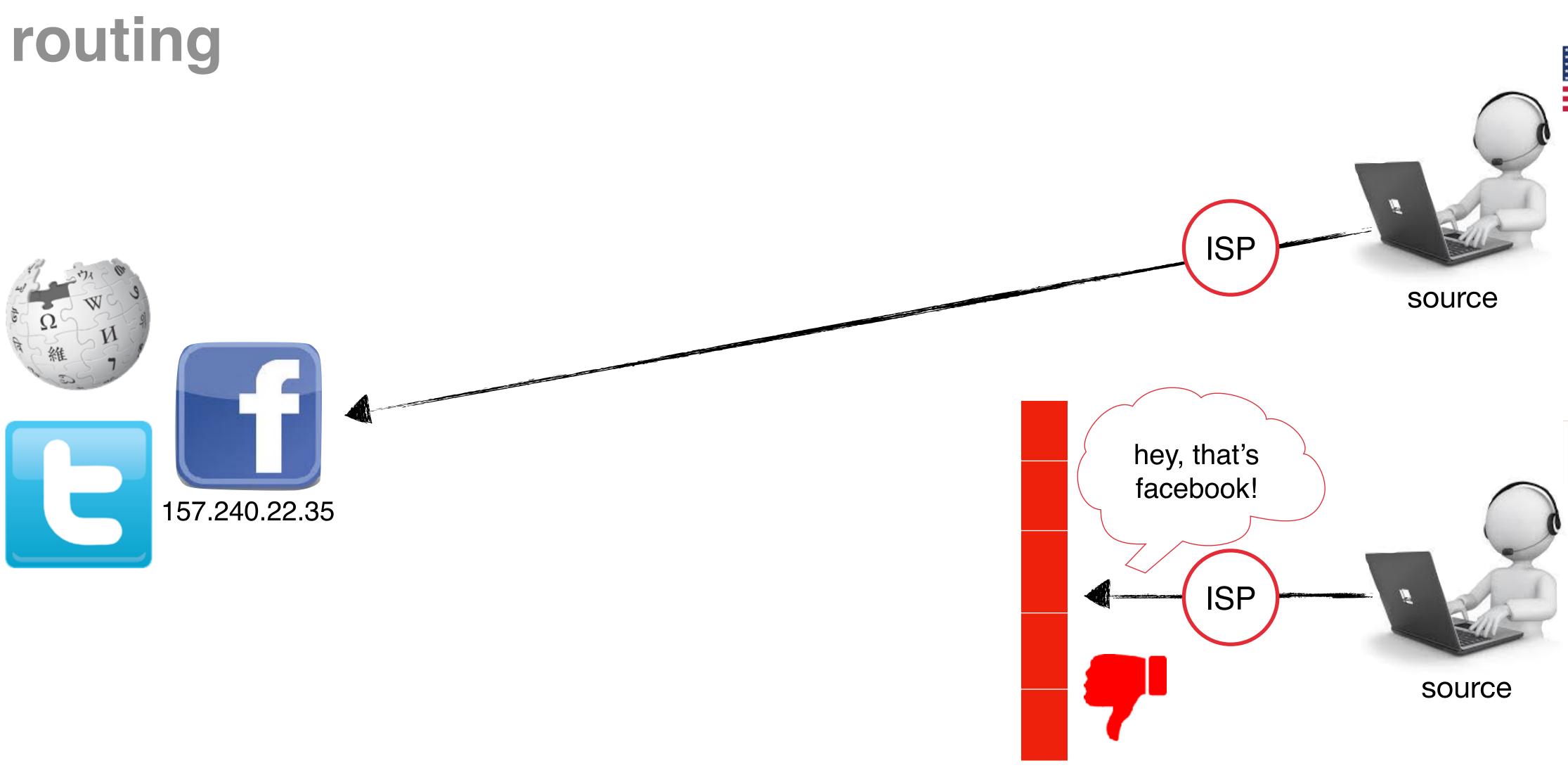


source

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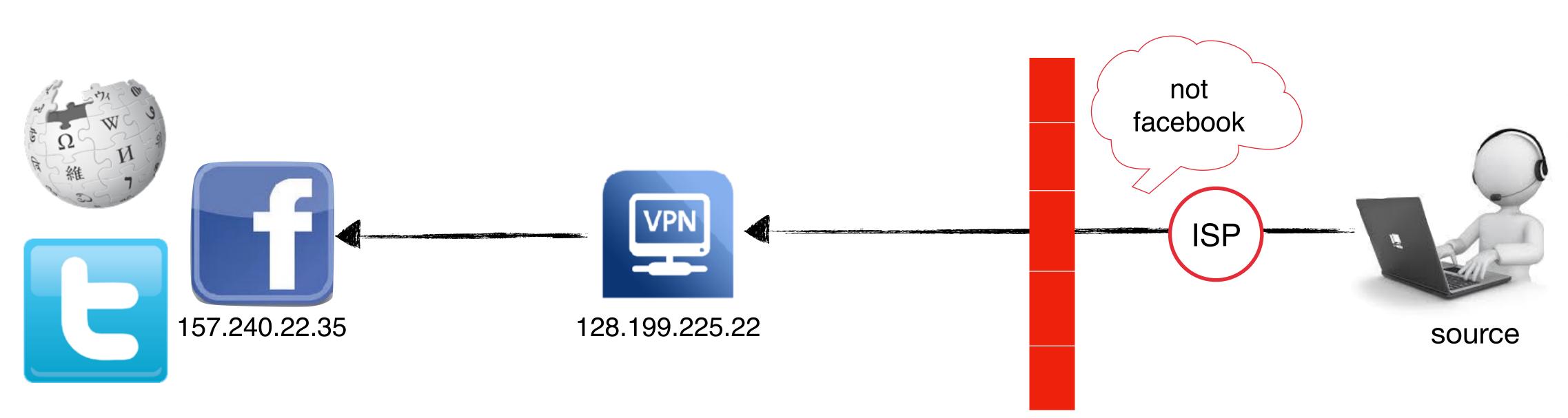


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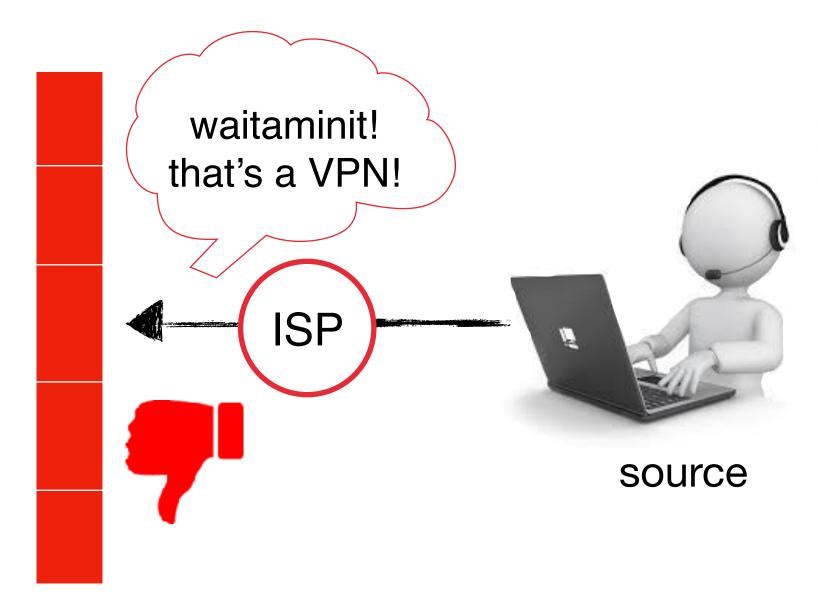








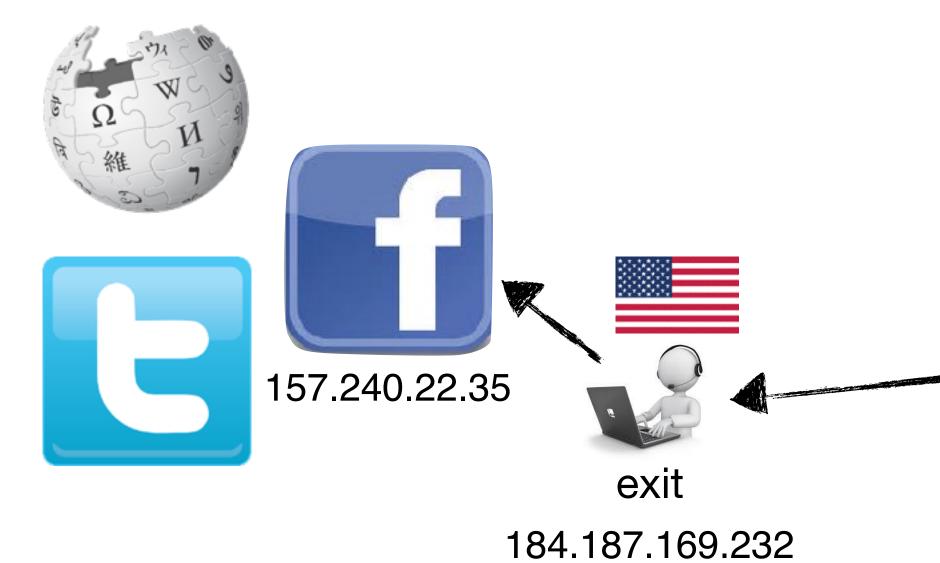




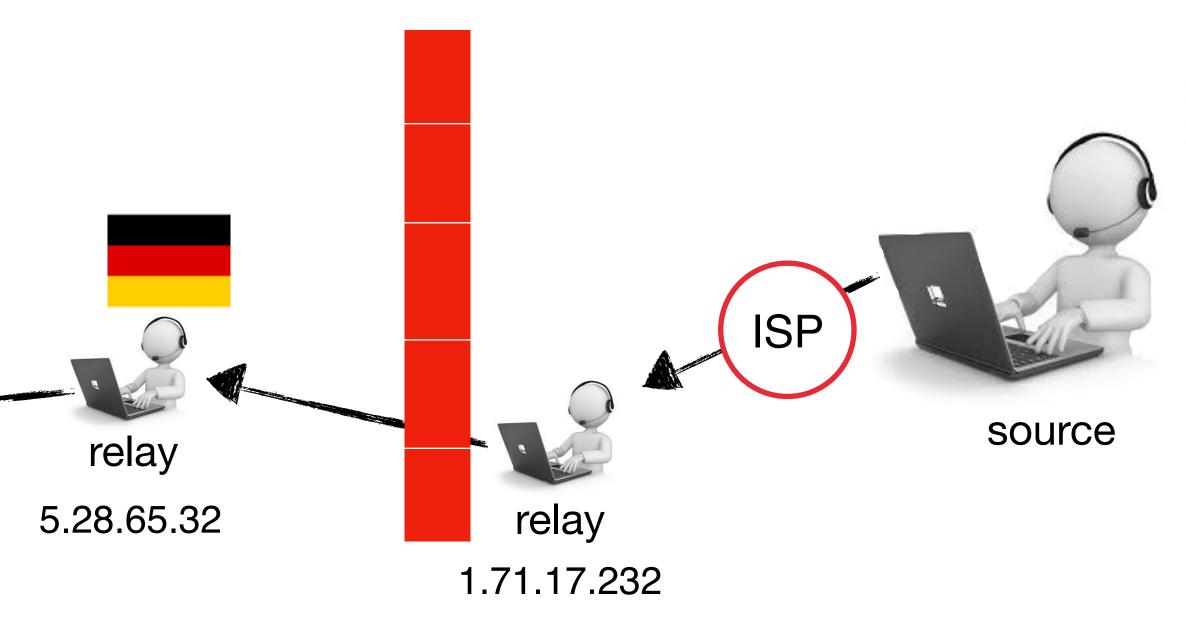








all traffic looks like any encrypted internet traffic, such as webRTC

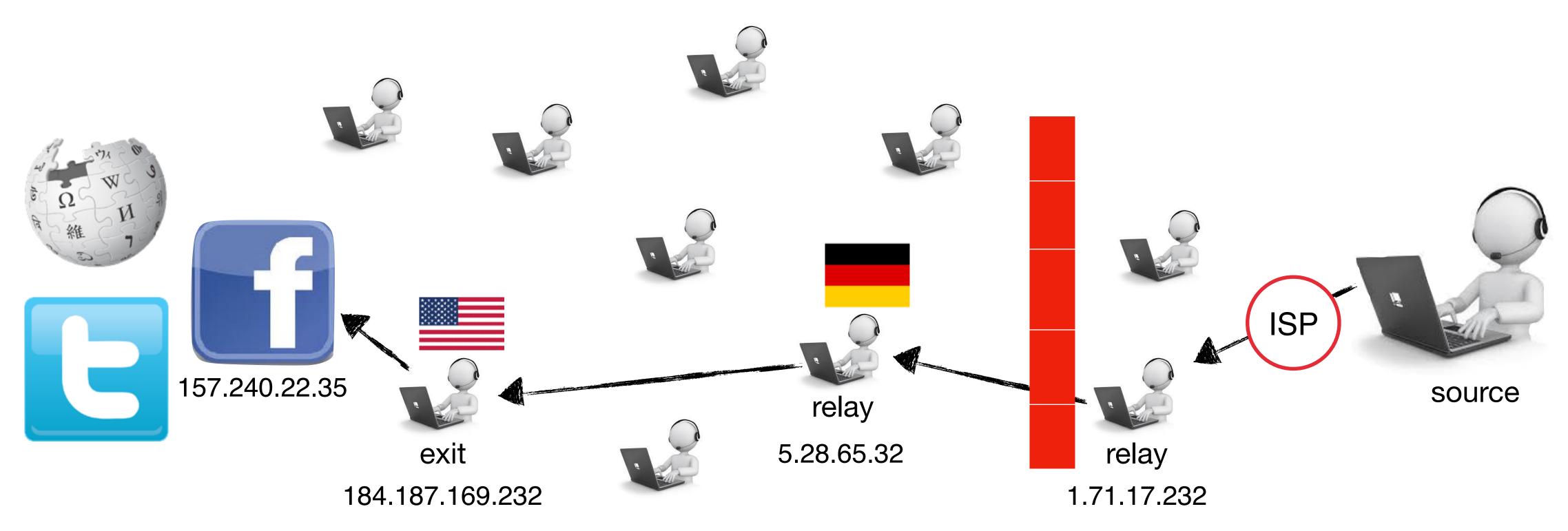








routing - dynamic paths

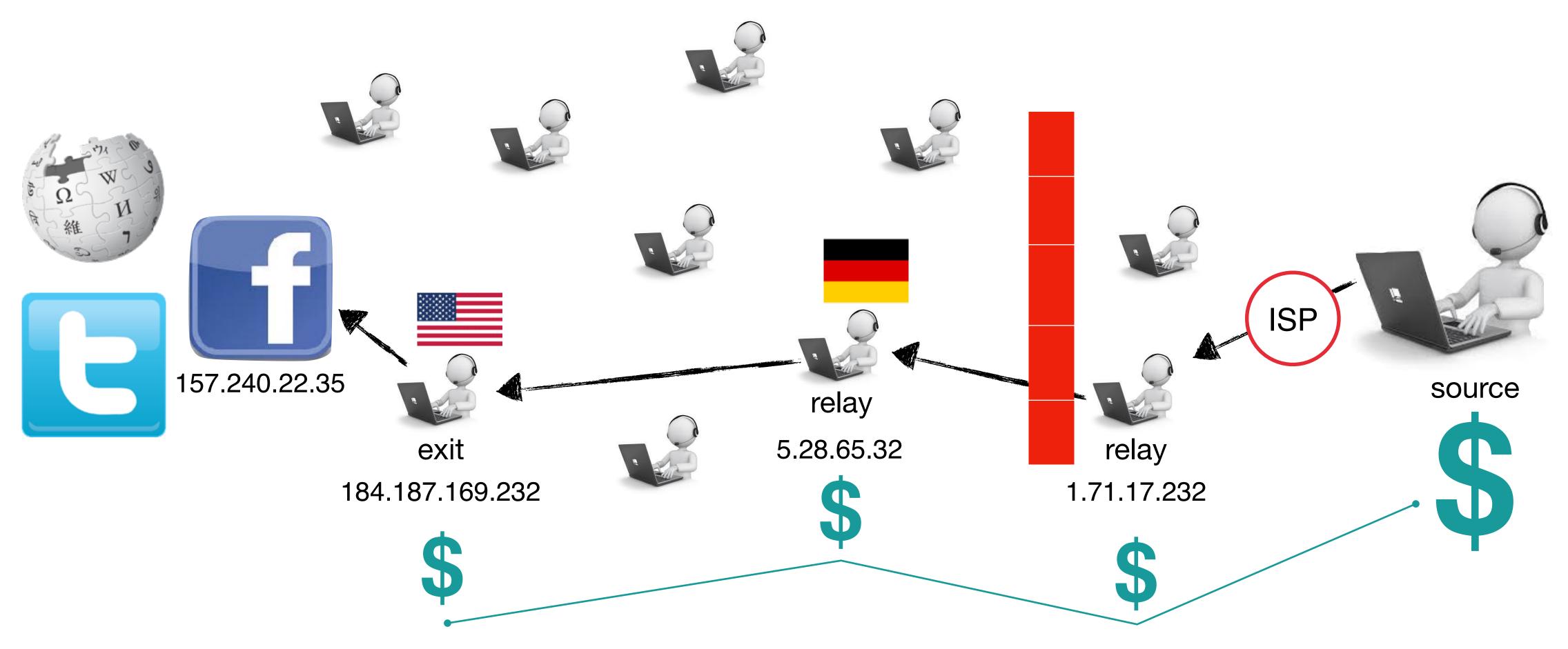












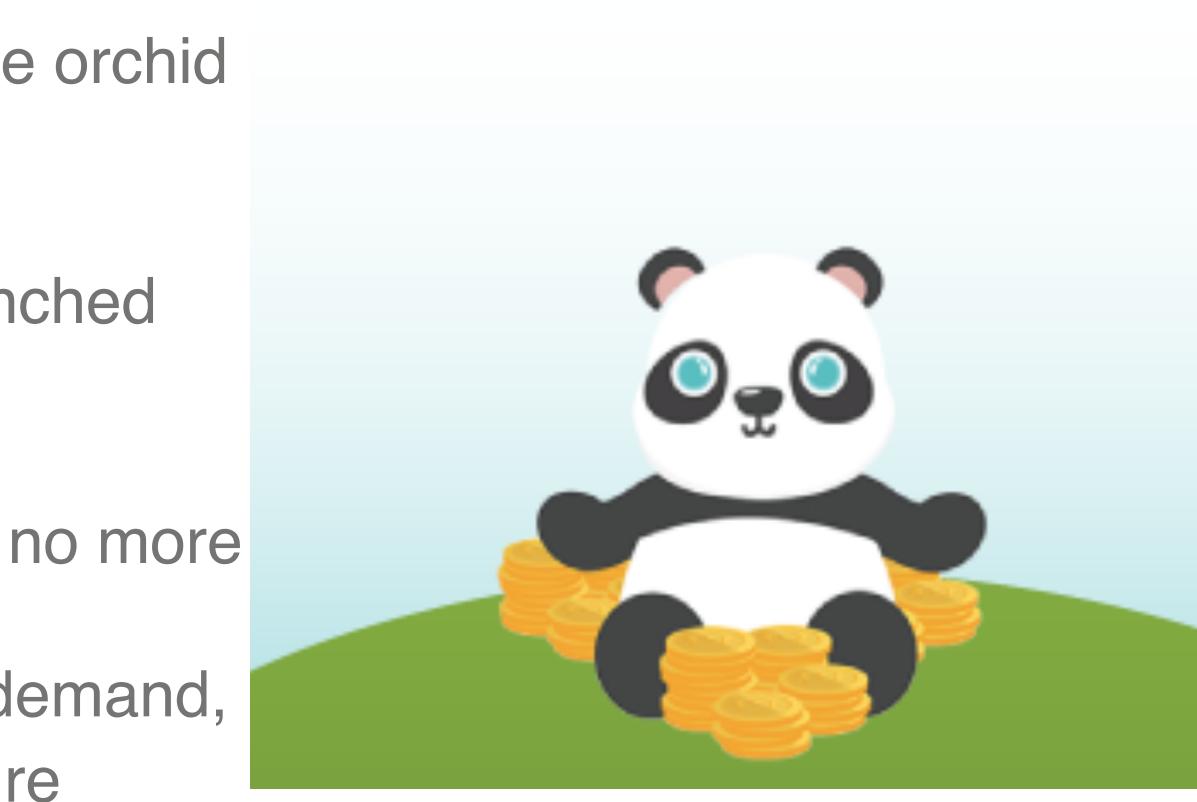






ORCHID tokens

- are a *utility* token, for use within the orchid network
- won't exist until the network is launched (Q4/2018)
- 1,000,000,000 will be minted, and no more
- velocity managed by both supply/demand, and by network connection structure









100% Free Software - completely copyleft

- we use the AGPLv3
- we require changes to be shared back
- we are as close to being RMS compatible as anything can be
- we are focused on the ecosystem
- we control nothing







Founding team



Steve Waterhouse

VC Visionary

Pantera, Fortress, RPX, Sun, PhD. Cambridge



Steve Bell VC Visionary

Trilogy Ventures (BTCC Seed), ShangBy, Trilogy, Supply Solution









Brian Fox Open Source Software

FSF, GNU, Bash Shell, TeXinfo, WFB Online, 15 patents

Gustav Simonsson Blockchain

Ethereum Core Dev (security), String Labs, Ericsson

Jay "Saurik" Freeman Network

Cydia/Jailbreaking UCSB

Supported by

Marco Santori Cooley

Gavin Wood Ethereum, Parity

Dr. Dan Boneh Stanford





quick takeaways

- decentralized anonymous network
- ✓provides infrastructure for resource market
- A participants pay and are paid using tokens
 A
- ✓proof-of-concept software demoed in Cancun
- whitepaper available at https://orchid.com



THE ORCHID PROTOCOL

OUR MISSION

The Internet was invented for everyone. An open platform to access information, collaborate, and communicate freely across borders. Unfortunately, it's no longer a place of true openness and freedom. But, we can change that. We've created an open-source protocol with a token-based bandwidth exchange to protect everyone around the world from censorship and surveillance.

WHY

Internet access for over 75% of the global population is restricted or censored. ISPs worldwide harvest and sell users' data to the highest bidder. Orchid is a new surveillance-free layer on top of the existing Internet, allowing users to bypass. firewalls, access information, and communicate freely. Join us and help create a truly independent, censorship-free internet.

SURVEILLANCE FREE

Orchid combines its protocol with surplus bandwidth, state-of-the art-encryption, and a decentralized infrastructure to bring users surveillance-free access to the existing internet Because everyone is surveilled and bandwidth is ubiquitous, Orchid users can exchange bandwidth in peer-to-peer transactions using Orchid tokens on the Ethereum blockchain

📥 WHITE PAPER 📥 PRESS KIT







we need you, too

- you've learned from open source please teach
- you've built on other's work, please create
- you've used open source products, make more
- you know about FOSS, tell others about it







how to get involved

- write code core protocols, networking, etc.
- help with user interface testing feedback, art, etc.
- help with community orchidsource@reddit
- help with bug finding github:orchidsource

contribute@orchidsource.org github:orchidsource

JOIN ORCHID









everyone deserves the internet

- Orchid is designed to scale to 100s of millions of relays, proxies, and users
- traffic on the internet belongs to the users, not to centralized corporations or governments
- the dropping of privacy protections affects all of us

"whoever controls the media, the images, controls the culture." — Allen Ginsberg



Orchid is a free and open marketplace and platform for the delivery of digital services. Bandwidth is the flagship, but compute, storage, and other services can be trivially built on top of the Orchid Protocol.

brian j. fox free software advocate co-founder, orchid labs bfox@orchid.com



