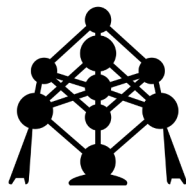


SplinterCon

The NiN - challenges and opportunities

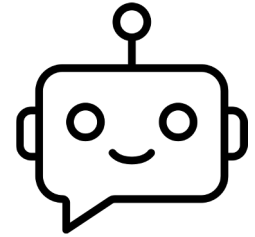
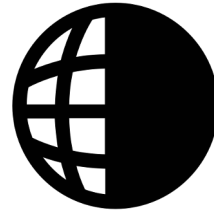


Brussels, 2024

Dmitri Vitaliev . eQualitie

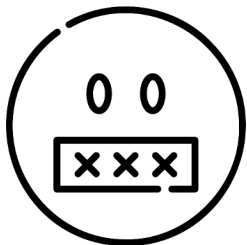
eQualitie

SplinterCon



What is the splinternet?

SplinterCon



CENSORSHIP



Our definition for this event

SplinterCon

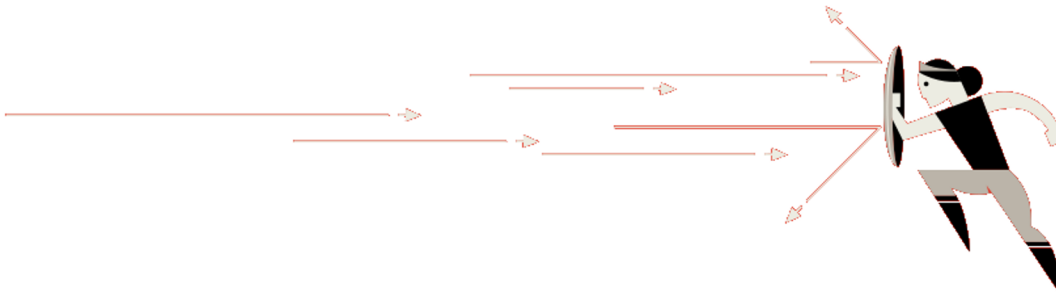


- Analyzing the practices and impacts of network isolation and shutdowns
- Evaluating existing and future tech solutions for communication with and within sovereign networks
- Investing in practical and user-oriented solutions for connectivity and content distribution across digital barriers

What we do at SplinterCon?

Who is eQualitie?

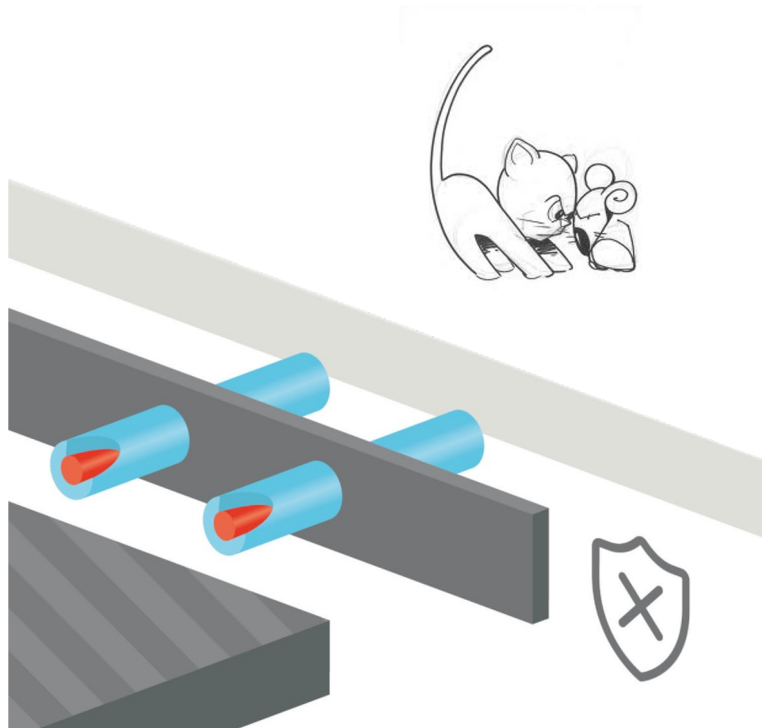
| | | | | | | | | | |
|--------|-----------|----------|------------|--------|------------|-----------|--------|----------|--------|
| STAFF | ALEX | DMITRI | ADAM | AIDAN | ALEKSANDRA | ANASTASIA | ANDRII | ANTON | |
| BORYS | CAROLYN | ERIKA | GRANT | IGOR | IVANA | JASON | JENNY | KATERINA | KSENIA |
| LAI YI | JEREMY | JORGE | KEITH | LEONID | MALLORY | MICHEL | MIGUEL | MOURAD | |
| NICK | OLEKSANDR | RAFAEL | OLEKSANDRA | PAVLO | RODNEY | SAI | TASLIM | PETER | |
| VENNY | VITALIY | VLADIMIR | | | | | | | |



Technical Resilience Ecosystem

- Decentralized communications
- Shutdown resilience
- Website security
- Advocacy & community
- Capacity building





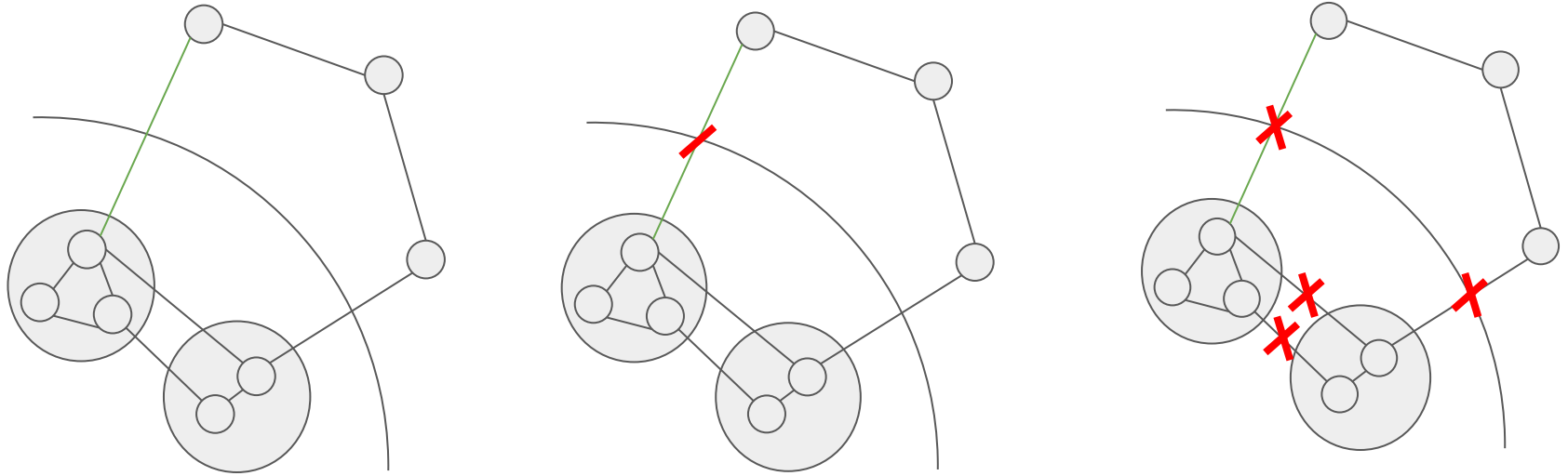
Censorship



Shutdown

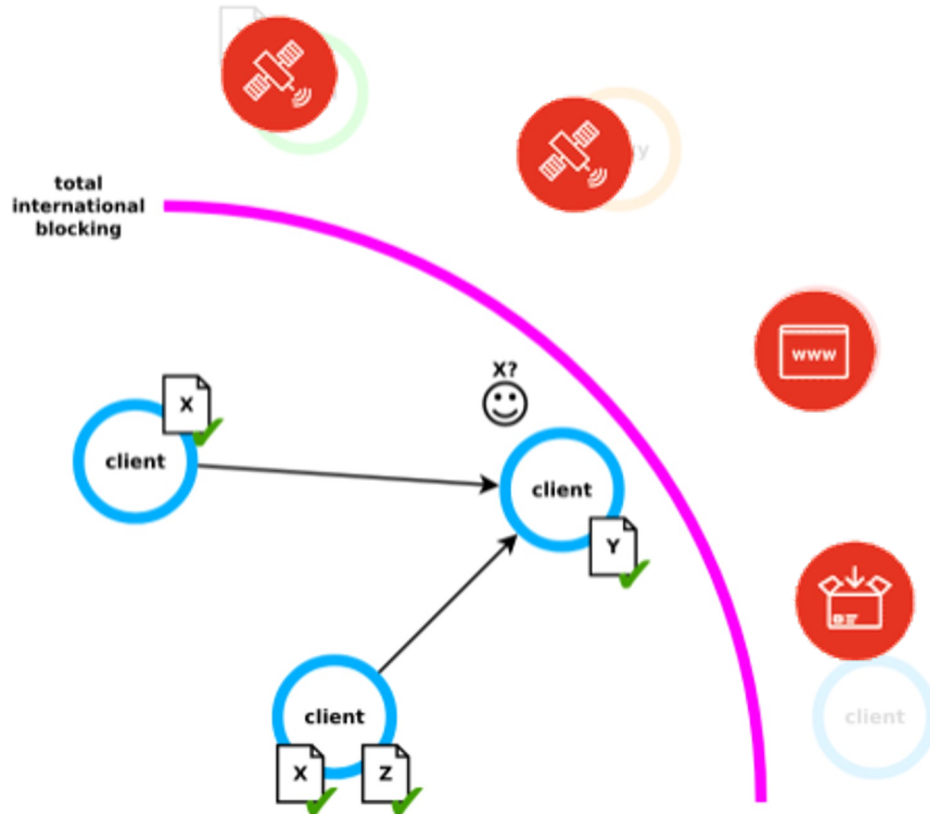


Isolation



Connectivity & Decentralization

User needs



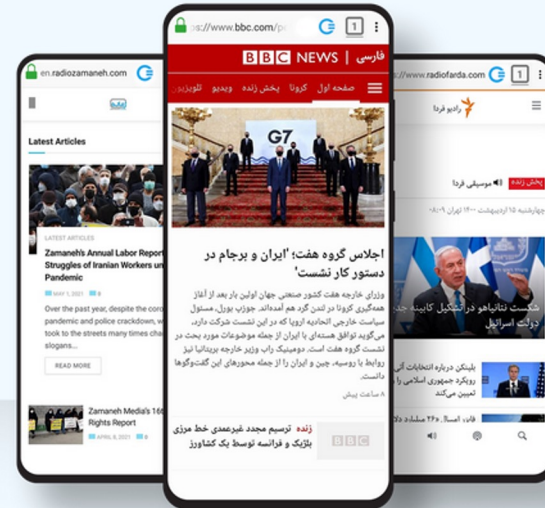
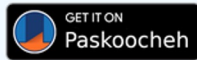
Content

Communications

Propagation

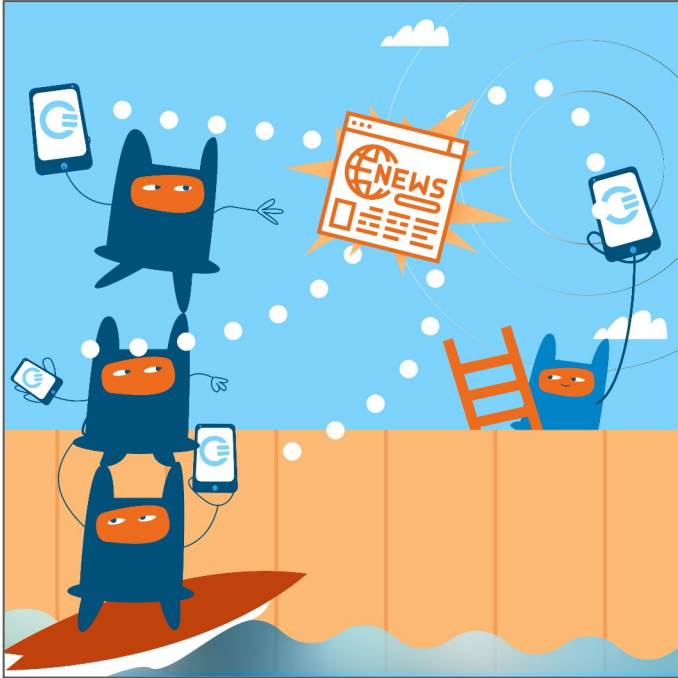
Share the web!

Ceno (short for censorship.no!) is the world's first mobile browser that side-steps current Internet censorship methods. Its peer-to-peer backbone allows people to access and share web information in and across regions where connectivity has been interrupted or compromised.



- العربية
- English
- Español
- فارسی
- Français
- Қазақша
- Português
- Русский
- Türkçe
- Українська
- اردو

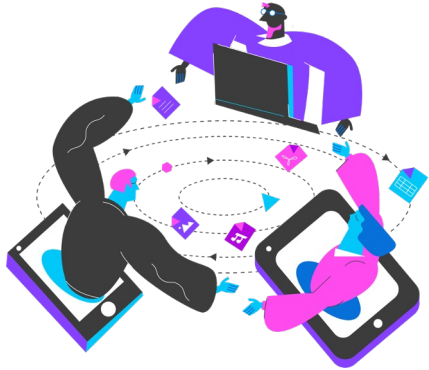
Ceno - cooperative web browsing



Ceno users help each other reach censored content



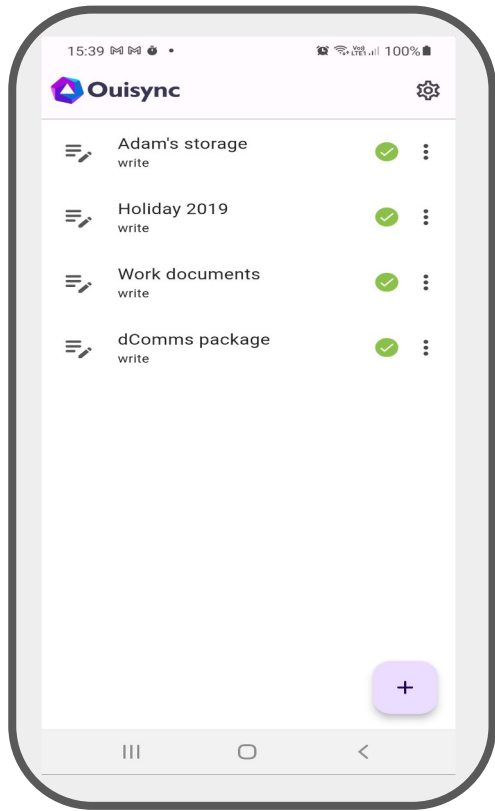
Once retrieved, content is shared inside the network peer-to-peer.



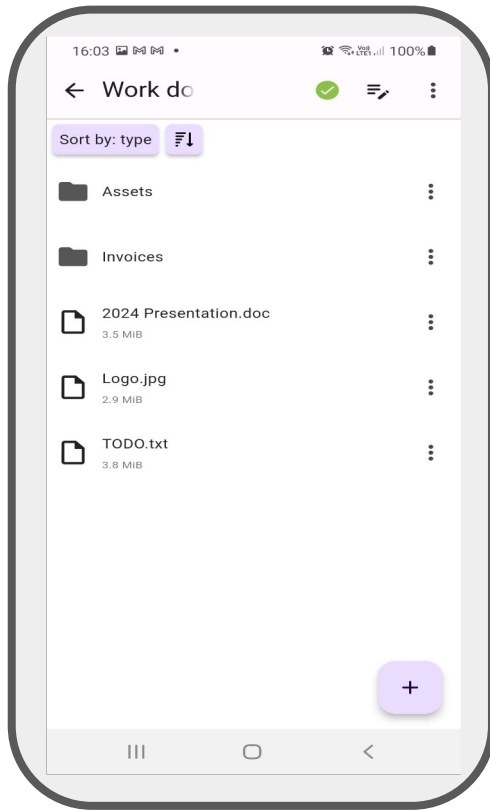
- Spanish (es)
- Persian (fa)
- French (fr)
- Burmese (my)
- Russian (ru)
- Ukrainian (uk)

Store, sync, and share files across devices anywhere

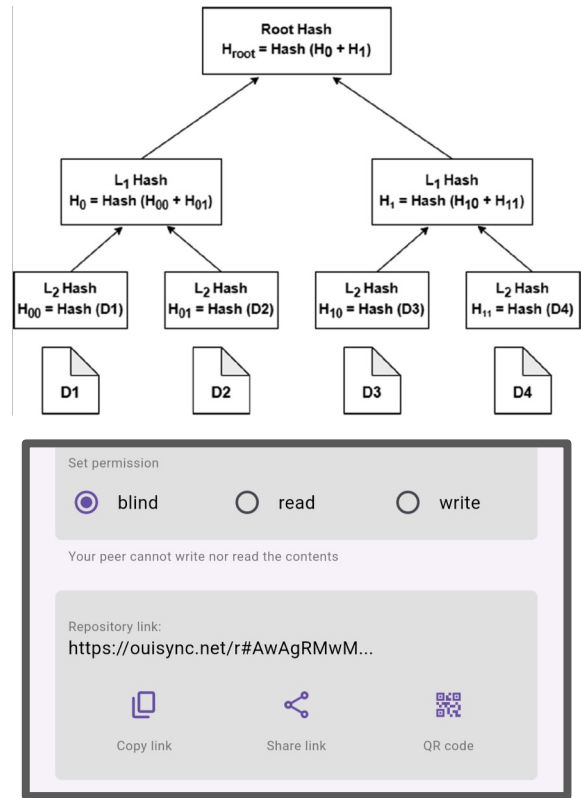
Secure, open source, peer-to-peer file-sharing



Repositories

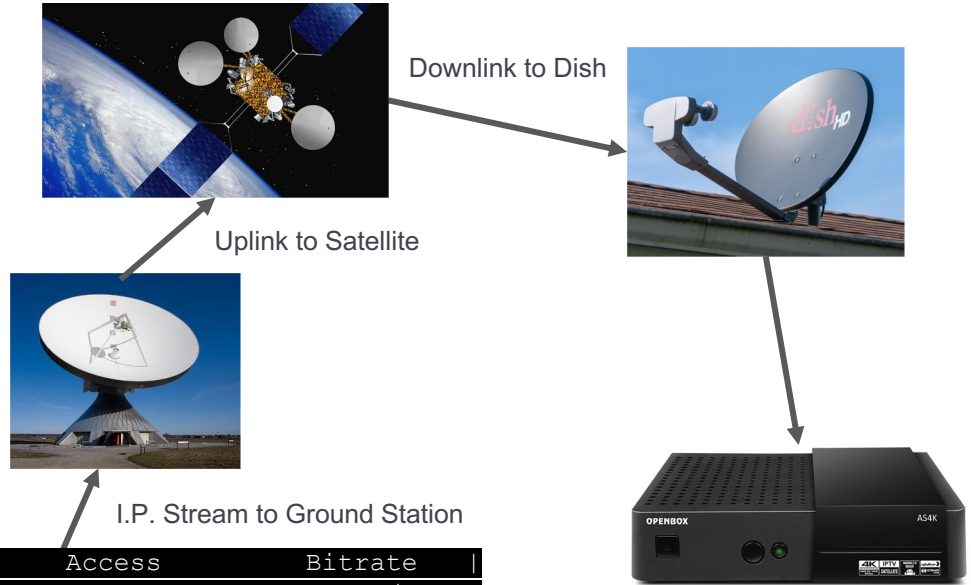
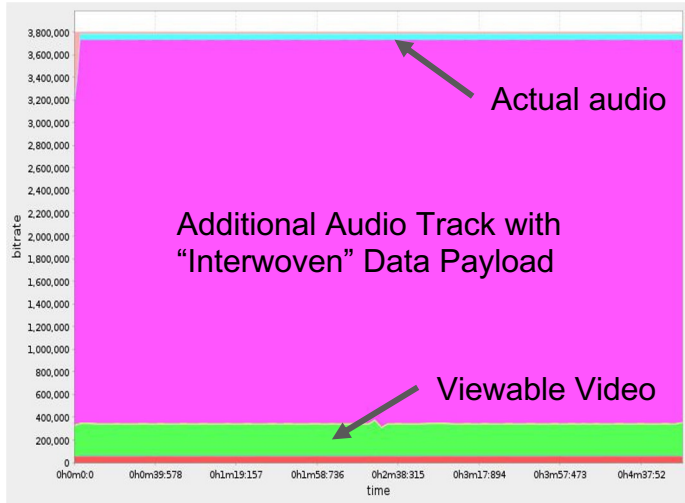


Content



Sharing

eQSat - datacasting over satellite TV



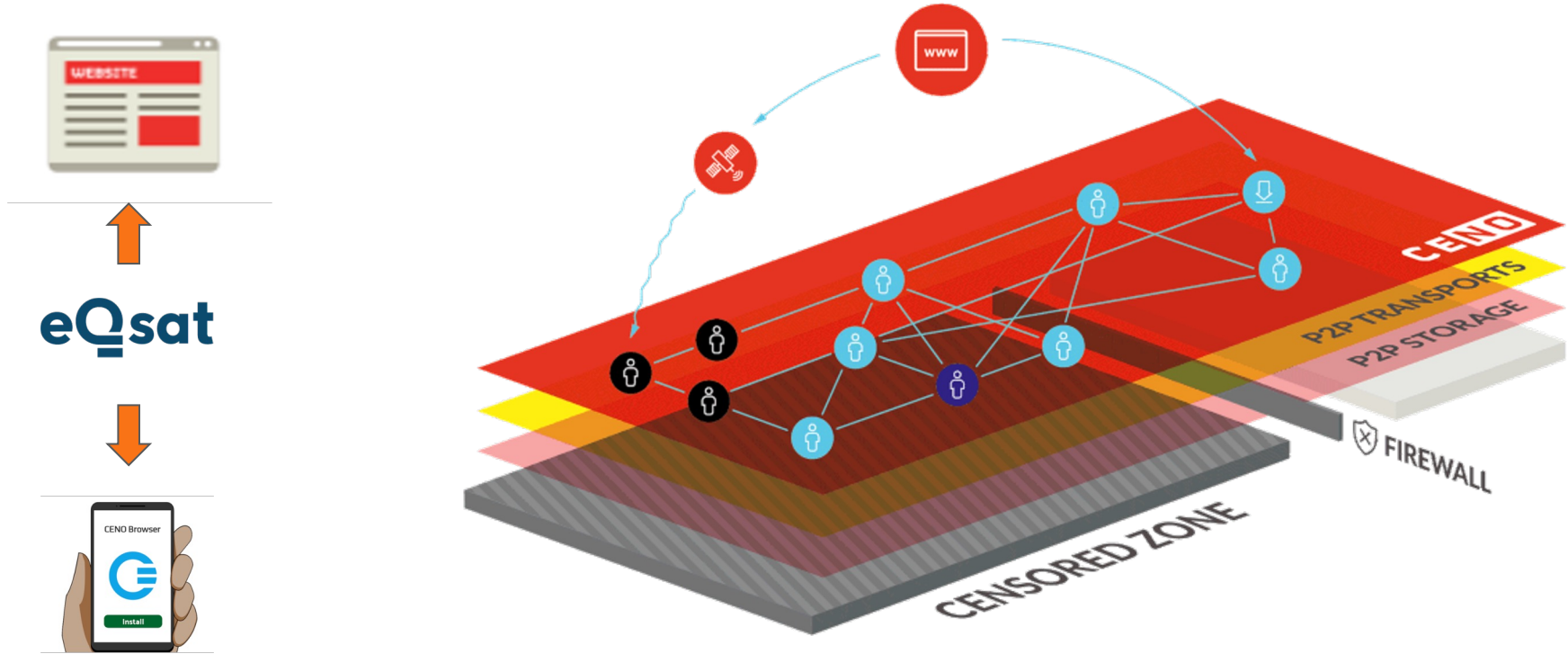
Record w/DVB Receiver

| Srv Id | Service Name | Access | Bitrate |
|--------|--|--------|---------------|
| 0x0001 | eqSat | C | 3,717,280 b/ |
| ===== | | | |
| Total | Digital television service | C | 3,717,280 b/s |
| 0x0100 | AVC video (720x576, main profile, level 3.1, | C | 278,302 b/s |
| 0x0101 | MPEG-2 AAC Audio (eng) | C | 8,288 b/s |
| 0x0102 | ATSC AC-3 Audio (vol) | C | 3,378,090 b/s |
| 0x1000 | PMT | C | 52,600 b/s |

Receiving



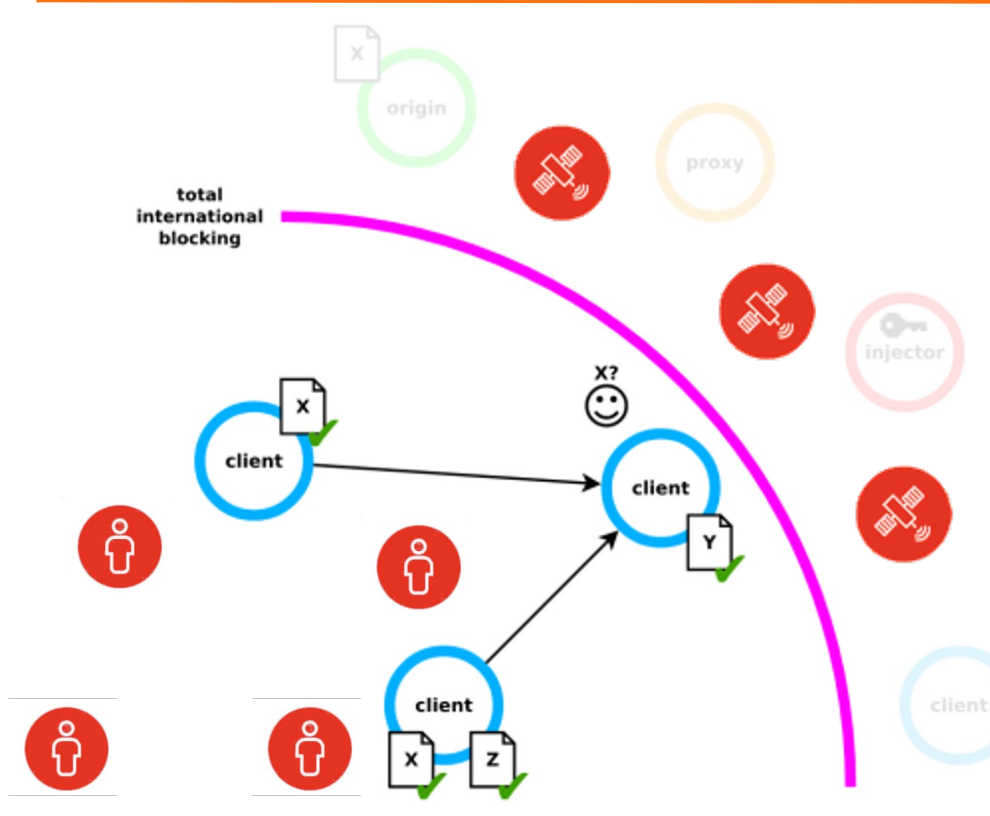
Introducing Ouisuite - deliver and disseminate



schedule.ceno.life - media partners always available

| | | |
|------------------------|---|------------------------------|
| KV Kavkazsky Uzel | ✔ | last mirror — 3 minutes ago |
| True Story | ✔ | last mirror — 6 minutes ago |
| ••• BBC Russian | ✔ | last mirror — 12 minutes ago |
| 📺 Holod | ✔ | last mirror — 25 minutes ago |
| 📺 The Bell | ✔ | last mirror — 26 minutes ago |
| 🅑 Verstka | ✔ | last mirror — 27 minutes ago |
| 🔗 dComms | ✔ | last mirror — 34 minutes ago |
| 🌐 Novaya Gazeta Europe | ✔ | last mirror — 36 minutes ago |
| 📄 Doxa | ✔ | last mirror — 54 minutes ago |
| ⚡ Groza | ✔ | last mirror — 1 hour ago |
| 🔦 Idel.Realii | ✔ | last mirror — 1 hour ago |
| 📰 Paper | ✔ | last mirror — 1 hour ago |
| 📖 To be precise | ✖ | last mirror — 1 hour ago |
| 📺 7x7 | ✔ | last mirror — 5 hours ago |





PEERTUBE



cross border connectivity - options



GEO & LEO Satellite
Internet: 2-way



Border LTE coverage: 2-
way



Data over DVB-T(2): 1-way
within 100km from borders



Point to Point Wifi: 2-way,
(requires line of sight)



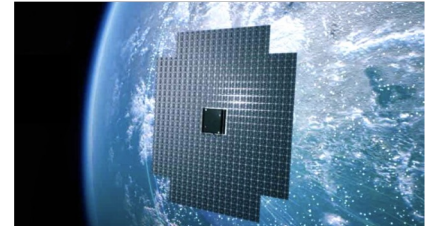
HF Radio: low bandwidth,
2-way



Data over DVB-S(2)
Satellite: 1-way



Satellite Phones: high
exposure, 2-way



5G (3GPP) Broadband:
Phones to LEO, 2-way

Be the censor!

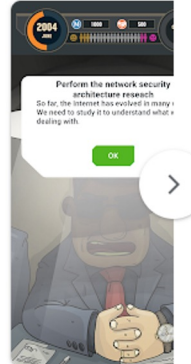
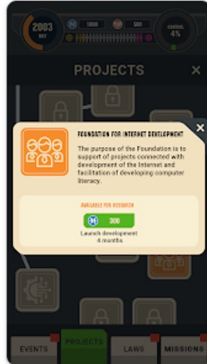
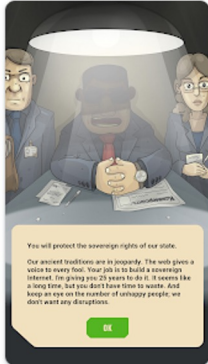
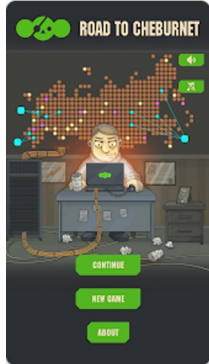
Road to Cheburnet

Noesis Games

Install on more devices

Share

This app is available for all of your devices



splintercon.net/game

eQualitie



Dmitri, Aidan, Jason,
Leonid, Katerina, Alex,
Marc

@equalitie.org

 **SplinterCon**

