

WE'LL MAKE US A GNU ONE

youbroketheinternet.org

CARLO VON WHO? /ME PSYC CHAT.LOUPSYCEDYGLGAMF.ONION SECUSHARE.ORG SECUSHARE.CHEETTYIAPSYCIEW.ONION YOUBROKETHEINTERNET.ORG YBTI.CHEETTYIAPSYCIEW.ONION PARTITO PIRATA ITALIANO **CERTIFICATE PATROL**

PAST WORK



NO MORE MITM ON THE WEB! USE CERTIFICATE PATROL ADD-ON FOR FIREFOX

PAST WORK



BUT... PATCHWORKING IS NOT ENOUGH ANYMORE

IT'S NOT ABOUT Self-determination

MOST THINGS A PERSON DOES ON THE INTERNET AFFECTS OTHERS...

AND DEMOCRACY AS A WHOLE. **BEING ALLOWED TO SELL** YOUR "PERSONAL" DATA... **IS LIKE BEING ALLOWED TO DRIVE A CAR AT NIGHT** WITHOUT LIGHTS ON. YOU ARE ACTING **IRRESPONSIBLE AND PUTTING OTHERS AT RISK.**

PREDICTABLE ELEGIBLE VOTERS: DEMOCRACY @ RISK. MANIPULATION BECOMES CHEAP.

THE MALVINAS INCIDENT 2009:

MICRO-INVASIVE MODIFICATIONS OF FACEBOOK DASHBOARD OF AN ENTIRE POPULATION... BY JTRIG OF GCHQ

IF YOU LIKE TO LIVE IN A FREE DEMOCRATIC SOCIETY...

It should be your CIVIL DUTY to not allow yourself or others to become PREDICTABLE **POPULACE.**

(LAW ISN'T AN ALGORITHM)

THE CONSTITUTION ISN'T JUST WHAT IS WRITTEN IN THE LAW.

IT IS ALSO WHAT WAS ORIGINALLY INTENDED BY ITS AUTHORS – TO SAFE-GUARD DEMOCRACY.

(HEROES OF ENLIGHTENMENT)

WHAT THE AUTHORS DIDN'T PREDICT: GLOBALIZATION + INFORMATION TECHNOLOGY = BIG (META)DATA

AND WHEN THERE IS **NOVISIBLE EVIDENCE** THE SEPARATION OF POWERS FAILS:

THE JUDICIARY CANNOT EXERCISE ITS DEMOCRATIC DUTY TO CHECK UPON THE JOB THE EXECUTIVE IS DOING...

"Wir sind die Guten ... "

LET'S IMAGINE ...THE RIGHT PEOPLE WERE IN POWER NOW.

WHAT ABOUT TOMORROW?

(A NEW SOCIAL CONTRACT)

IN A TECHNO-GLOBALIZED WORLD THE **CONSTITUTION MUST** DEAL WITH FOREIGN GOVERNMENTS AND MULTINATIONAL ENTITIES AS **THREATS FOR DEMOCRACY.** "The antidotes against the risk of totalitarianism are [..] weakened to a dangerous extent so that it would not take much more than a spark for the public space to collapse, and this even under the cover of the best governance intentions."

Nicole Dewandre, Societal Advisor to the European Commission in "the Onlife Manifesto", p. 195

LET'S ADMIT IT...

THE INTERNET ISILLEGAL

WE NEED TO FIX IT.

AND NO...

THE MARKET CAN THE IT

there is no business model for constitutional fundamentals...

THAT IS WHY THERE I SEE NO ALTERNATIVE TO IMPLEMENTING PROTECTION BY LAW.

(EU) LEGISLATION PROPOSAL:

MANDATORY ANONYMIZED **AUTHENTICATED AND END-TO-END ENCRYPTED COMMUNICATIONS IN ALL TELEPHONY AND COMPUTING APPLIANCES SOLD AFTER 20XX.**

DETAILS ON youbroketheinternet.org/legislation

IMPLEMENTATION

INDUSTRY motivated to agree (with "us"), **FUND & DEVELOP** a **GNU SECURE COMMUNICATIONS SYSTEM** and make it available (so you can put it on your old device, too) IMPLEMENTATION

CONSTITUTIONAL SOFTWARE

 TRANSPARENT FREE SOFTWARE
 CONSERVATIVE DEVELOPMENT
 SANDBOXED MODULES
 MODIFICATIONS CAN BE VOTED ON (LQFB+GIT?)

GNU INTERNET APPS

MAIL, MESSAGING, SOCIAL NETWORKING, TELEPHONY. **CONFERENCING**, ... AND THE "WEB," **BUSINESS TRANSACTIONS ETC.**

HEAVY BLOW AGAINST

 NO MORE SPAM
 NO MORE PHISHING
 NO MORE WEBSITES YOU DIDN'T INTENTIONALLY PLAN TO VISIT
 A NEUTRAL & OPEN MARKETPLACE
 SECURE BUSINESS TRANSACTIONS

BULK LOCATION TRACKING CAN BE A THING OF THE PAST

WE PAY OUR TELECOM RELAYS ANONYMOUSLY...

CIVIL ECONOMY

CRYPTOGRAPHIC ANONYMOUS MICROPAYMENT

SO YOU NO LONGER PAY WITH YOUR DATA...

(USING GNU TALER, RE-DO OF DIGICASH)

CIVIL ECONOMY

BLOCKCHAINS Not so useful

– POW? A HOUSEHOLD'S DAY PER TRANSACTION
 – NEXT TAX HAVENS FOR THE SUPER-RICH?
 – MOSTLY ILLEGAL USE CASES REMAIN...
 – EXPECT EXCHANGE SHOPS TO BE SHUT DOWN

BTW, BLOCKCHAINS PATENTED IN 1979

SIMPLIFIES CURRENT POLITICAL DISCOURSES:

- DATA RETENTION - TOTALITARIAN COPYRIGHT + DATA PROTECTION + NET NEUTRALITY + SOFT- & HARDWARE TRANSPARENCY

STRATEGIC ADVANTAGE (1) FOR THE ENTIRE CONTINENT:

- LESS VULNERABILITY - NO INTELLIGENCE IN SIGNALS - MAKE XKEYSCORE, TEMPORA, ETC ETC... USELESS!

> CYBER WARFARE? CYBER DISARMAMENT!

STRATEGIC ADVANTAGE (2) FOR THE ENTIRE CONTINENT:

- DATA CENTRALIZATION BUSINESS MODELS NO LONGER WORK - FAIR NEW CHANCES FOR MOST OF EUROPEAN TECH INDUSTRY!

PEOPLE STOP BEING THE PRODUCT

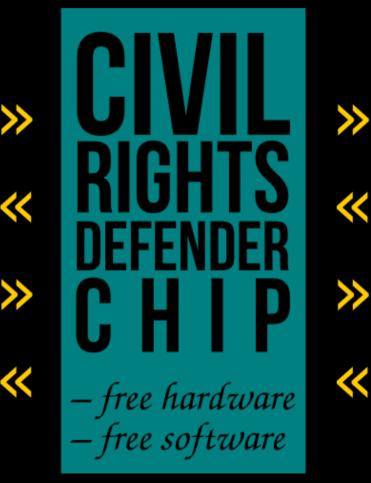
CAMERA ACCESS:

- one photo
- video stream

NET ACCESS:

- cryptographic recipient
- authenticated or anonymized
- protocol restrictions

ETC.



iOS/ Androidstyle SANDBOXES POSSIBLE IMPLEMENTATION LIMIT NET ACCESS FOR APPS. EXAMPLES:

- "FUN GAME" APP ALLOWED TO SEND DATA TO FRIENDS ONLY.
- "DICTIONARY" APP ALLOWED TO SEND DICT REQUESTS ONLY.
- TRY TO CHEAT? GET CAUGHT! TRANSPARENCY = CHECKS!

LAWFUL INTERCEPTION BY PROTOCOL/API, NOT BREAKAGE!

- STRATEGY 1:

CRYPTOGRAPHIC AUTHORITIES - STRATEGY 2: DISTRIBUTED CONSENSUS - HACKER'S CHOICE: PHYSICAL ACCESS

LAWFUL INTERCEPTION SIMPLIFIED:

HAYSTACK 100% ENCRYPTED... NEEDLE SERVES ITS CIVIL DUTY

LAWFUL INTERCEPTION SHOULD GUARANTEE

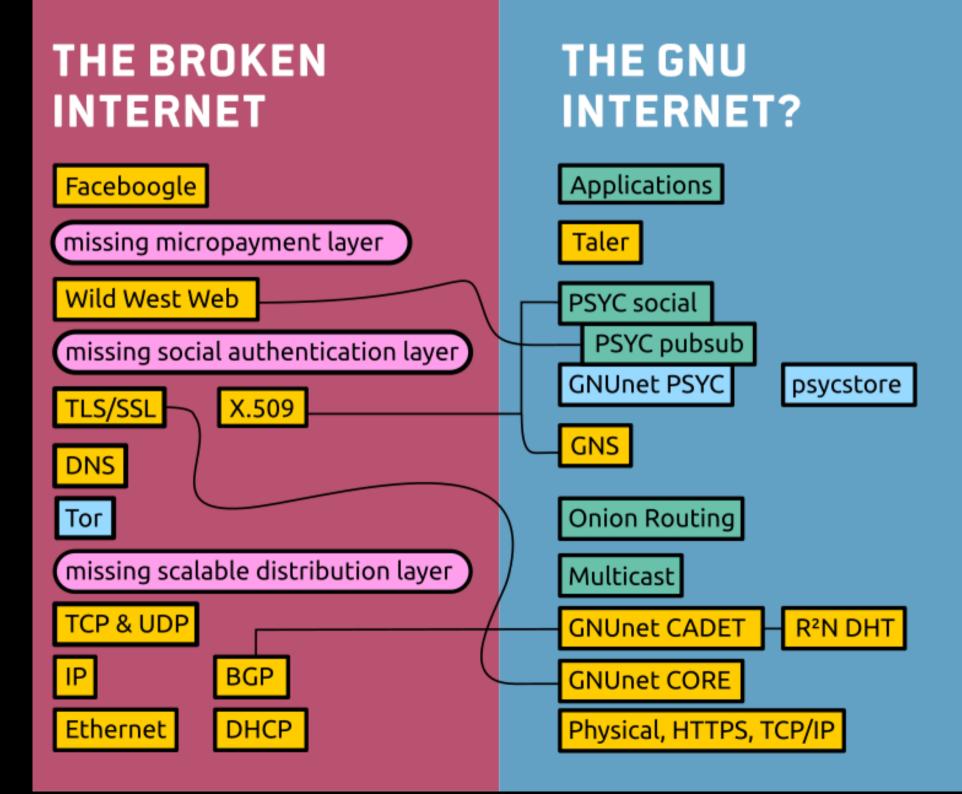
- BOTH JUDGE & POLICE WANT IT - LIMITED TIMEFRAME - USER NOTIFICATION - NO TOTALITARIAN UPSCALING

LAWFUL INTERCEPTION INTERCEPTED?

WHAT IF USER MODS THEIR PHONE?
 HAVE TO ACT NORMAL
 RISK GETTING CAUGHT
 CONSTITUTIONAL
 RIGHTS + OBLIGATIONS

Security vs. Democracy

NOT ENOUGH TO CATCH THE CRAZY UNPREDICTIBLE **SUICIDAL BRAINWASHED FOLKS?** TIME TO DEAL WITH THE REAL CAUSES: -INEQUALITY - GLOBALIZATION **– BAD GOVERNANCE** - CLIMATE CHANGE DON'T BLAME IT ON THE INTERNET



GNU INTERNET ARCHITECTURE? SOMETHING LIKE...

PRIVATE SOCIAL GRAPH DATA DISTRIBUTION PLAN CRYPTO/ONION RELAY MESH DISTRIBUTED HASHTABLE PUBLIC-KEY-BASED ROUTING

