



Desmitificando TOR y la deep web





DISCLAIMER



Hola! Soy ReD

SecOpsDev

Formador, cuando me dejan

Activista tecnológico

- Soberanía tecnológica
- Defensor de la privacidad
- Cofundador de Hacklabs y M4H



Visión pública Dark Web

≡ EL PAÍS

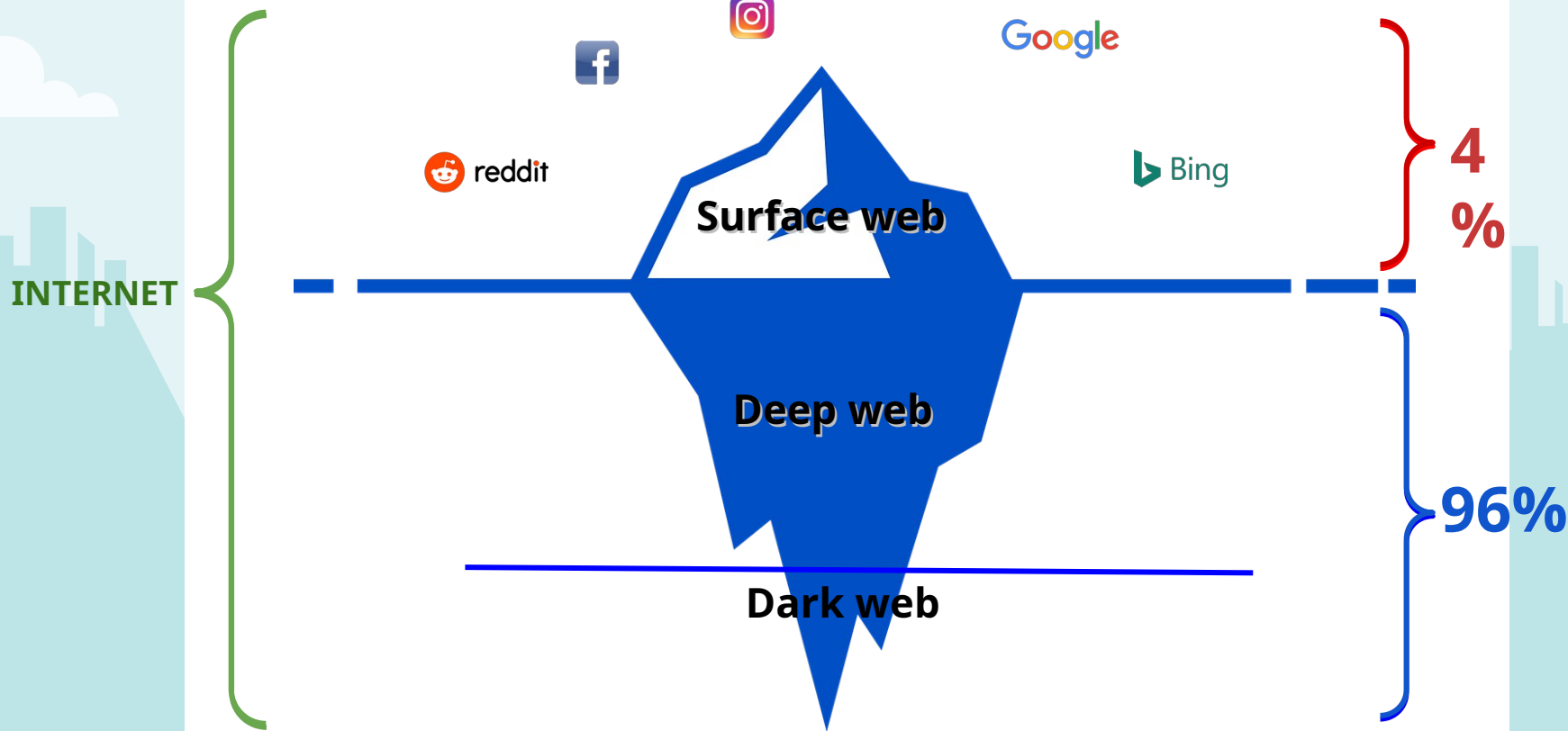
El mundo nauseabundo de la 'Internet profunda'

Las peores actividades de la Red se esconden bajo capas de anonimato que facilitan desde la compra de armas hasta la pedofilia

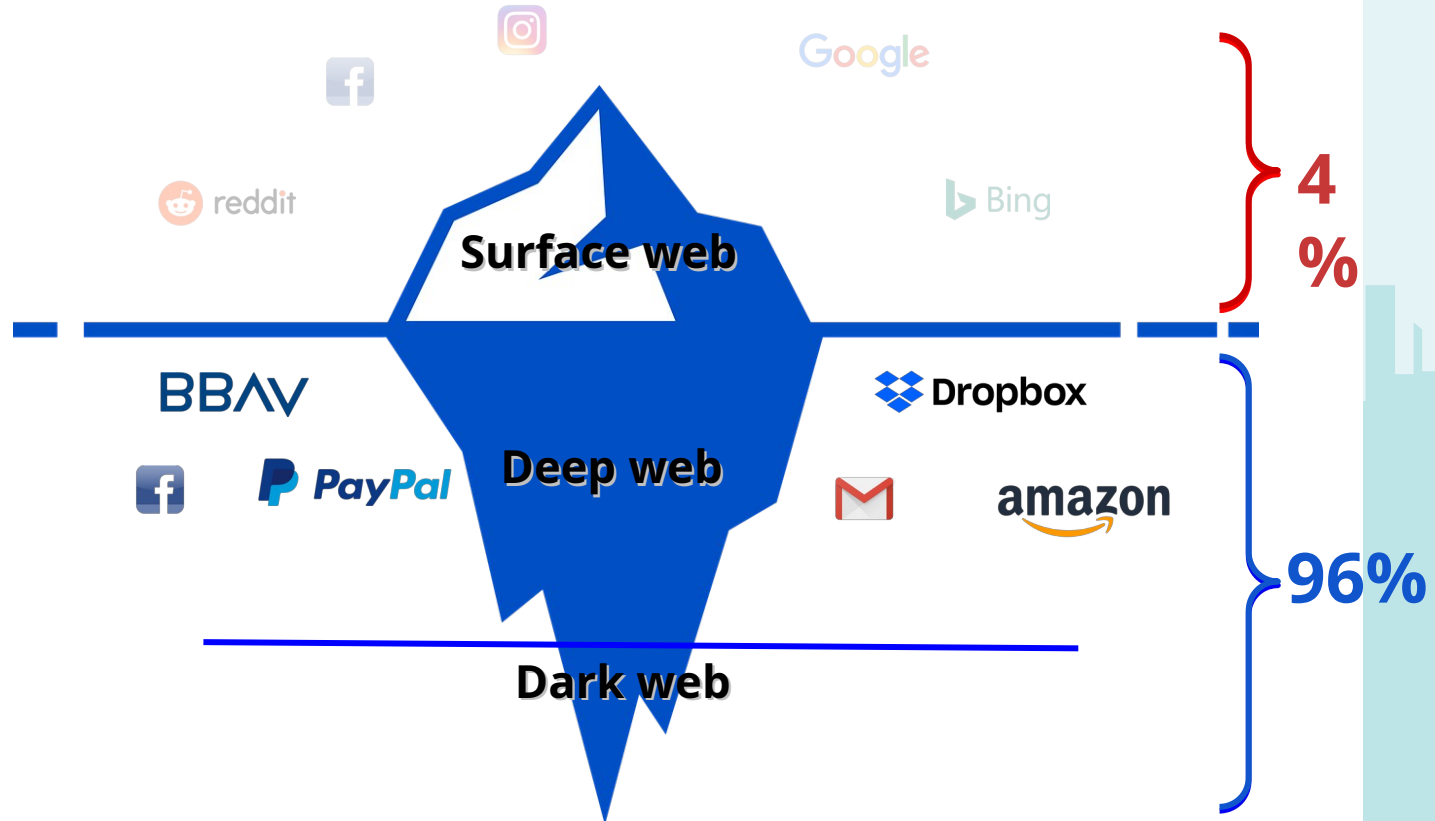
EL  MUNDO

Internet profunda: pederastia, coca y asesinos a sueldo

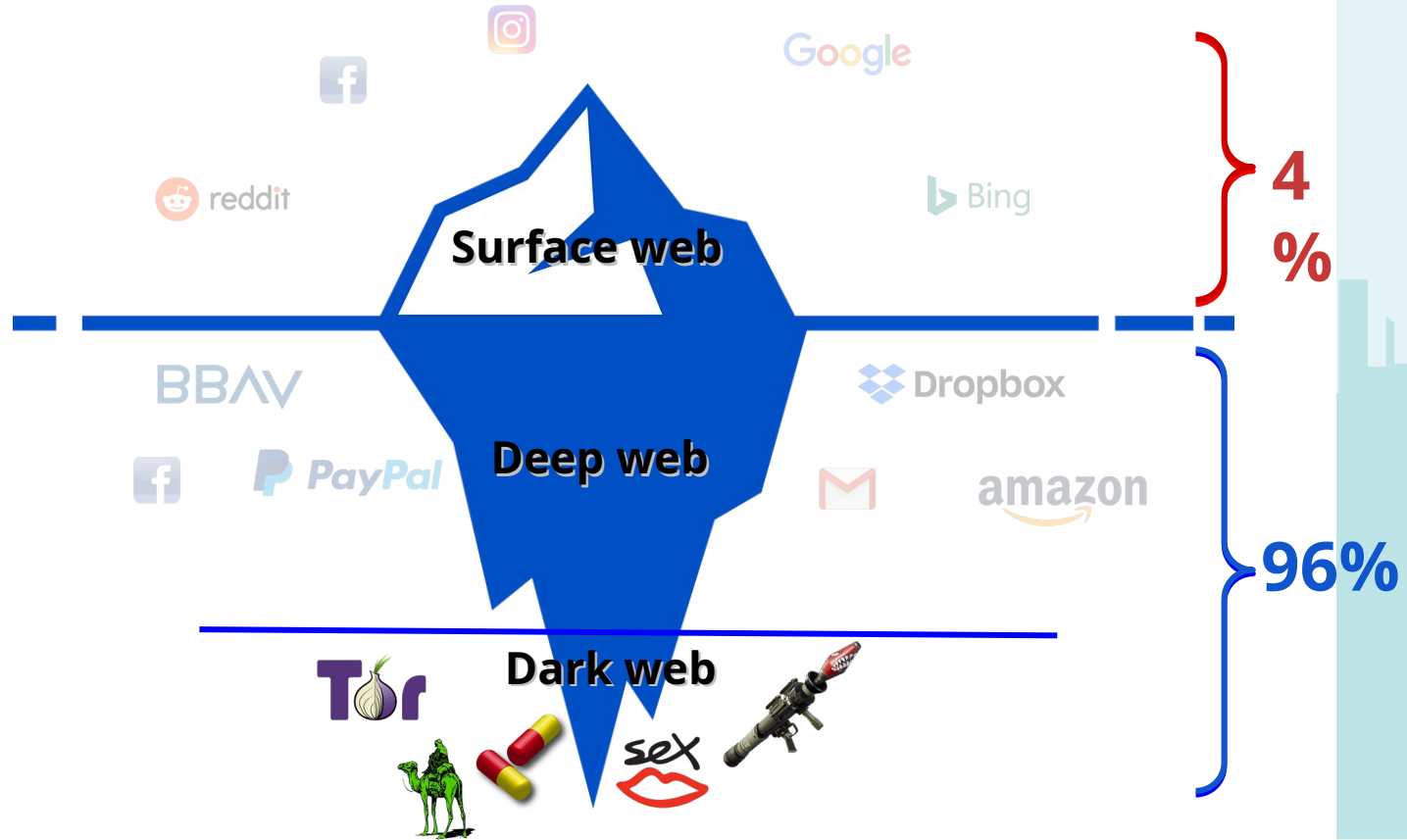
Visión pública Dark Web



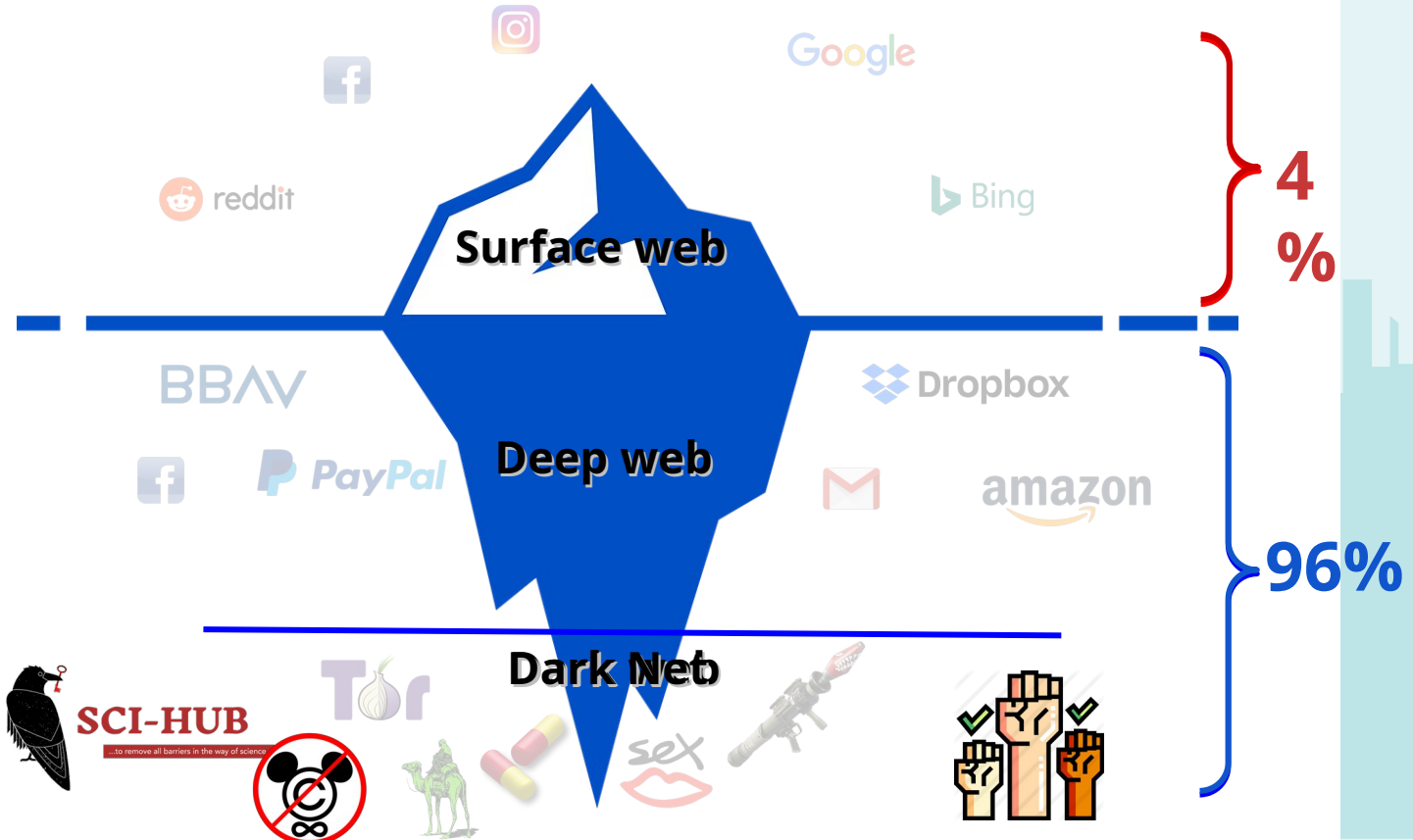
Visión pública Dark Web



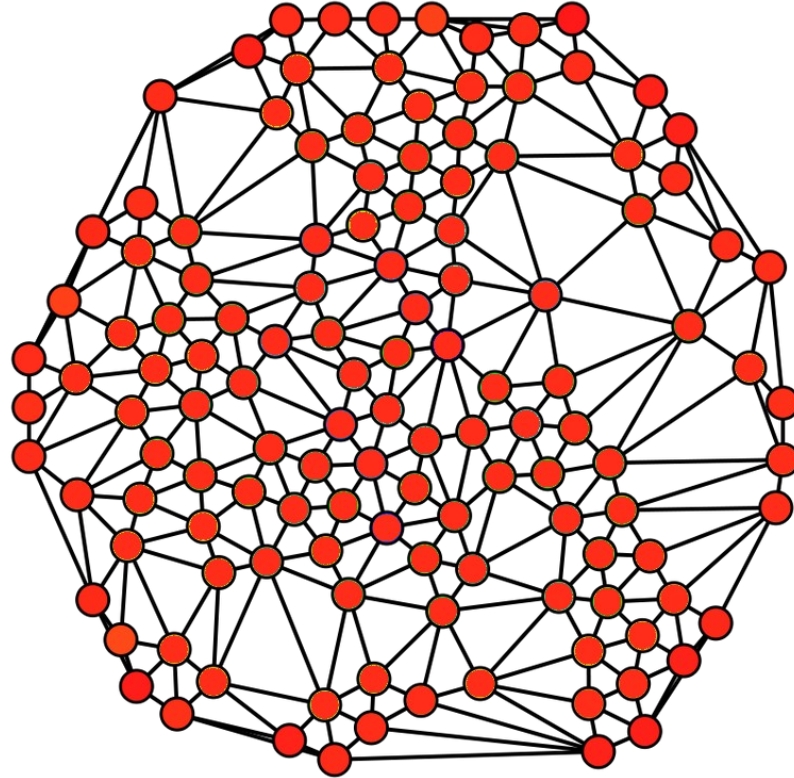
Visión pública Dark Web



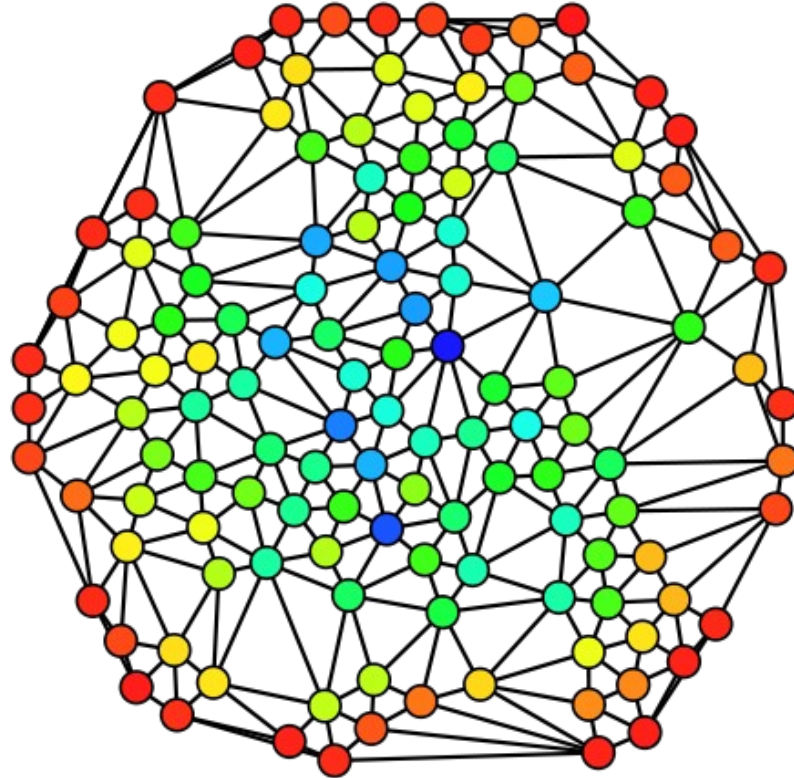
Visión pública Dark Web



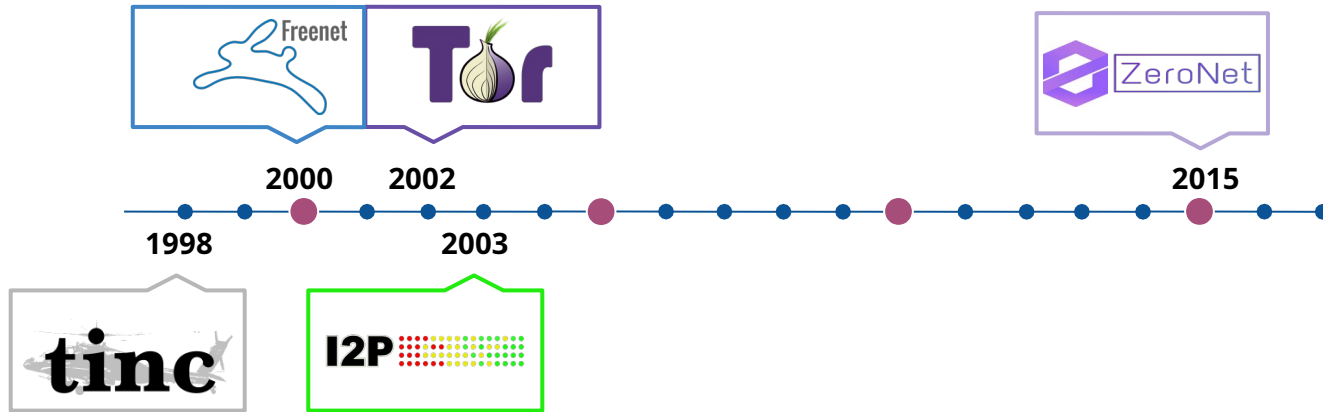
Redes superpuestas



Redes superpuestas



Redes superpuestas





VPNs

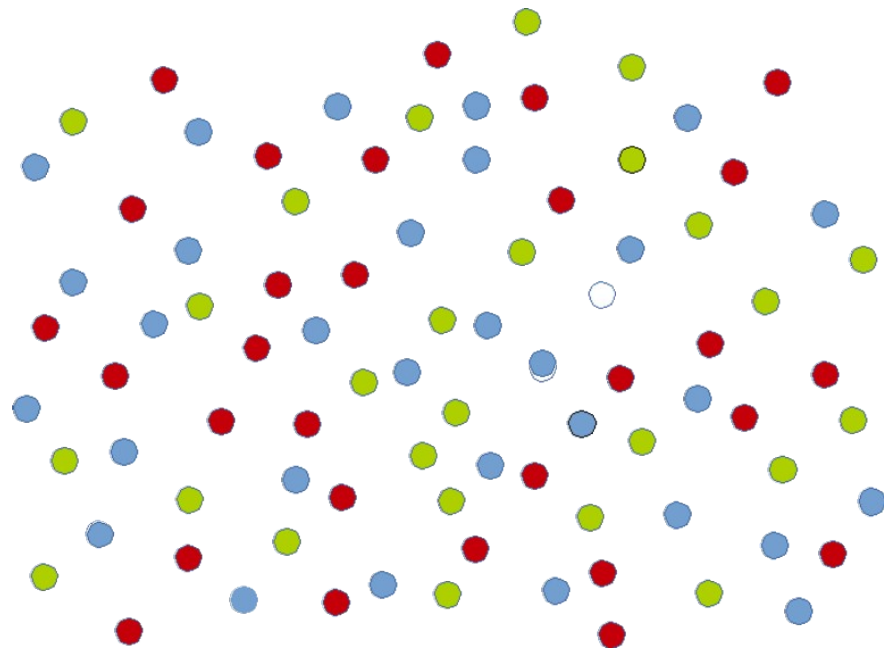
Se levantan varios
VPN punto a
punto





VPNs

Se levantan varios
VPN punto a
punto

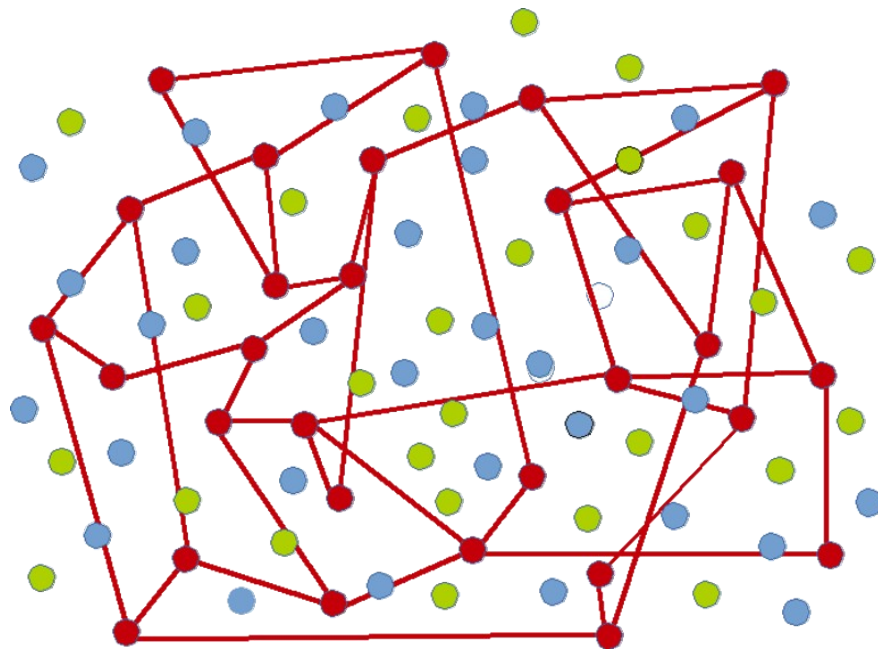


tinc



VPNs

Se levantan varios
VPN punto a
punto





P2P

Funciona como
red Peer to peer



1Gb - 20GB

Se necesita de
almacenamiento



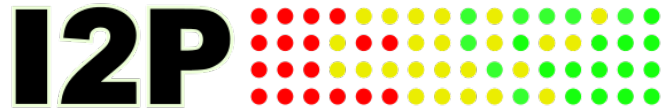
Plugins

Freemail, sone...



Ancho de banda

Consume ½ de
tu ancho de
banda



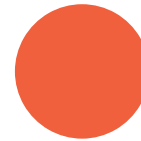
Garlic

Enrutamiento en
formato de ajo



Webs .i2p

Los sites son
eepsites



Outproxies

Un arreglo para
dar salida a
Internet



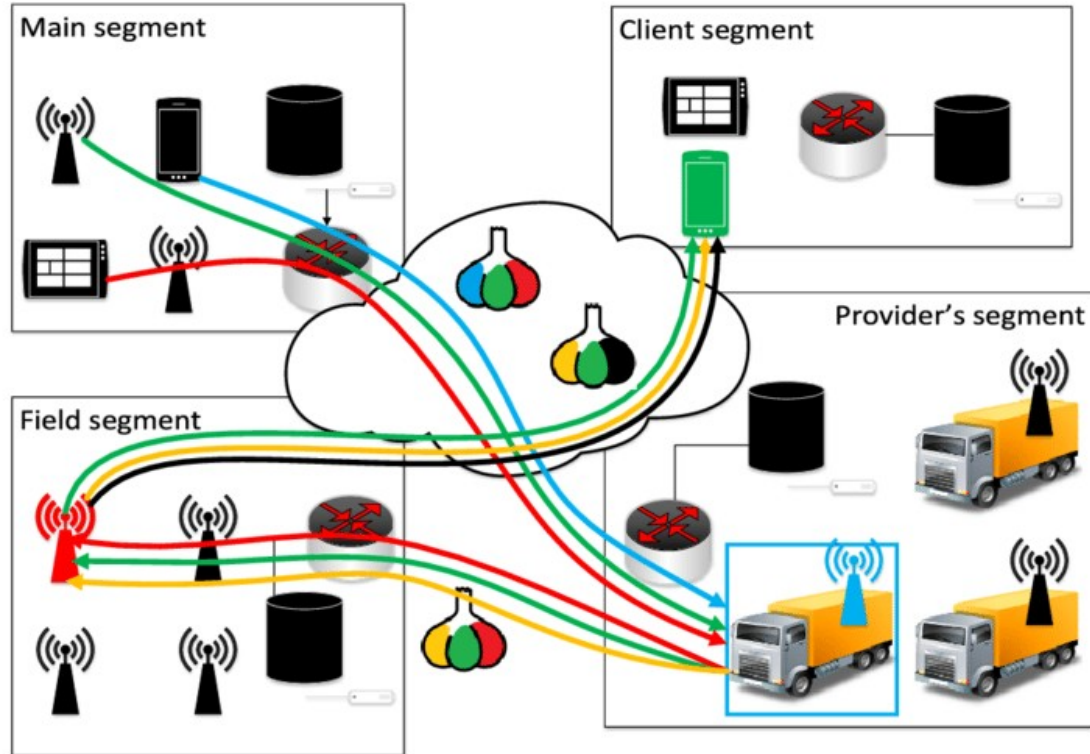
tuneles

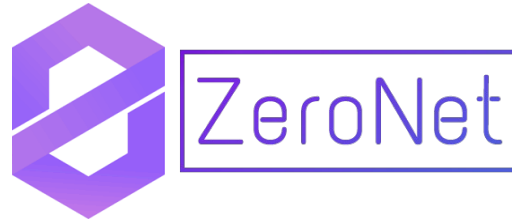
Hay túneles de
entrada y salida



Web propia

Eepsite listo para
usar, agregar
contenido

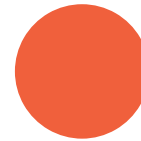




P2P
Webs visitadas
se comparten



Blockchain
Asegura la
información



Multinavegador
App no modifica
navegador



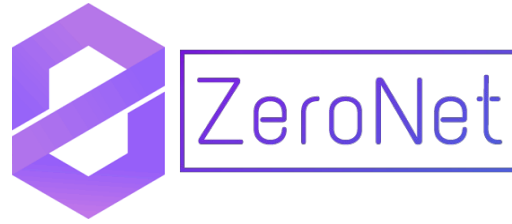
No es anonimo



Zero wallet
Propio wallet de
criptomonedas



.bi
Servicios



Hello ZeroNet_

SITES

FILES

CONNECTED SITES:

ZeroName

2 DAYS AGO

136

ZeroHello

22 HOURS AGO

13

MORE SITES:

ZeroBoard

ACTIVATE

ZeroTalk

ACTIVATE

ZeroBlog

ACTIVATE

ZeroMail

ACTIVATE

GIF Time

ACTIVATE

More sites @ Olist

ACTIVATE

ZeroMe

ACTIVATE

PORT: OPENED

TOR: ERROR

0

Welcome to ZeroNet

LET'S BUILD A DECENTRALIZED INTERNET TOGETHER!

This site currently served by 83 peers, without any central server.

Some sites we created:

ZeroBoard

SIMPLE MESSAGING BOARD

ACTIVATE

ZeroTalk

REDDIT-LIKE, DECENTRALIZED FORUM

ACTIVATE

ZeroBlog

MICROBLOGGING PLATFORM

ACTIVATE

ZeroMail

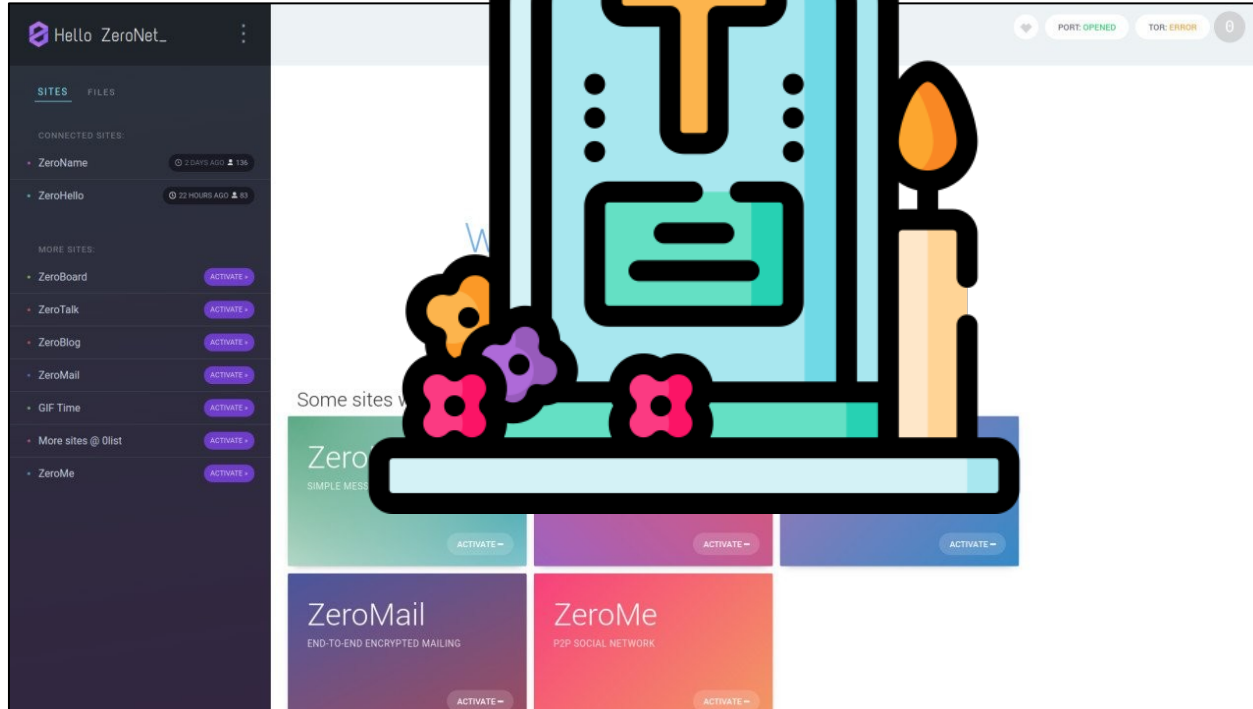
END-TO-END ENCRYPTED MAILING

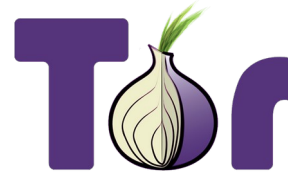
ACTIVATE

ZeroMe

P2P SOCIAL NETWORK

ACTIVATE





Enrutamiento
tipo onion



Red centralizada



Servicios dentro
de tor
.onion



Acceso a Internet

Historia de TOR

Naval Research Lab (NRL) **1995**

2000 Massachusetts Institute of Technology (MIT), TOR (The Onion Routing)

Se implento la red Tor **2002**

2006 la ONG Tor project financiado por EFF

Tor Browser **2008**

2010 La primavera árabe

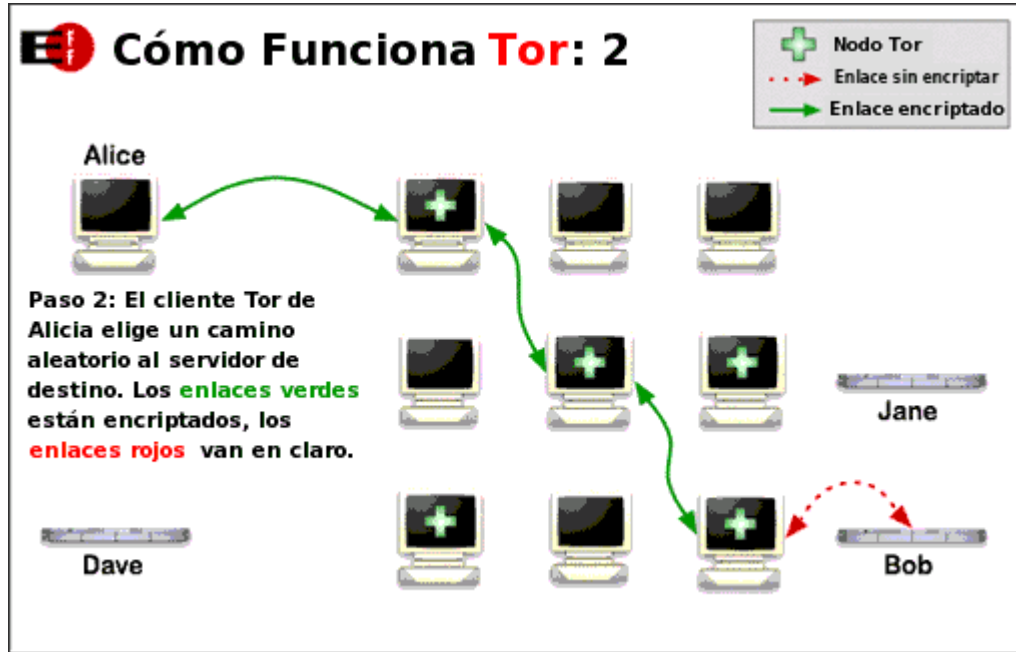
Revelaciones Snowden **2013**
Se verifica que **no** rompieron TOR



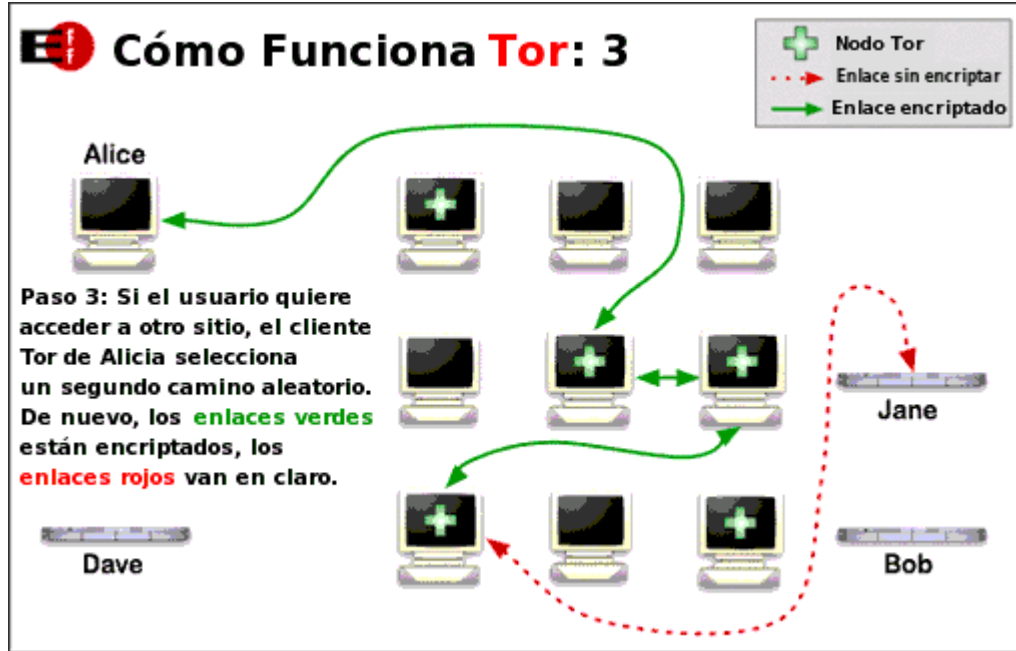
Redes libres



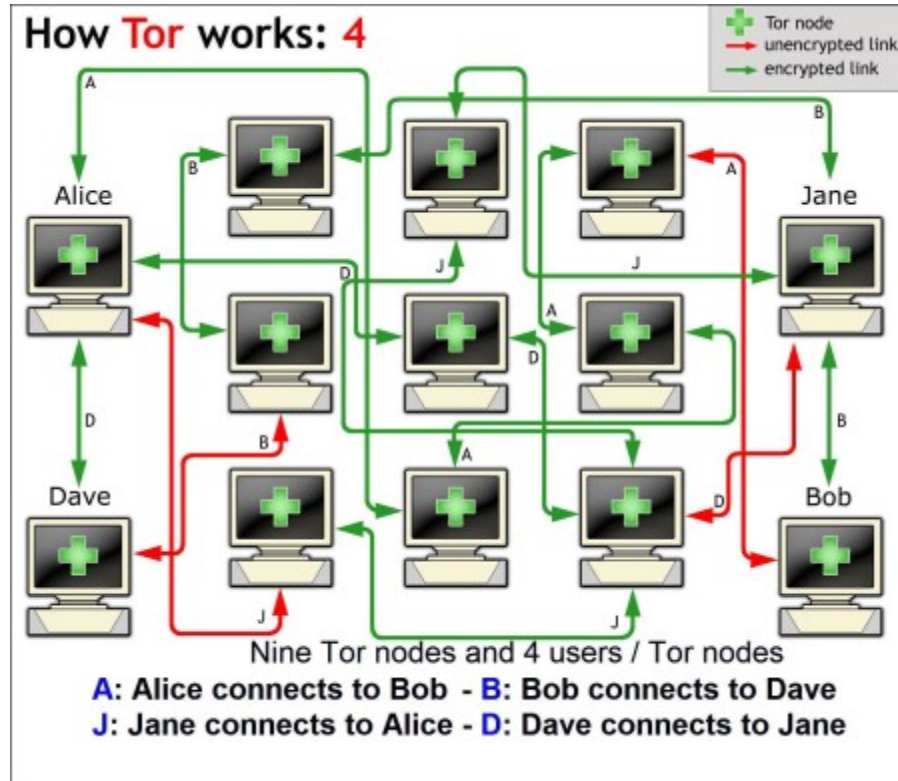
Redes libres



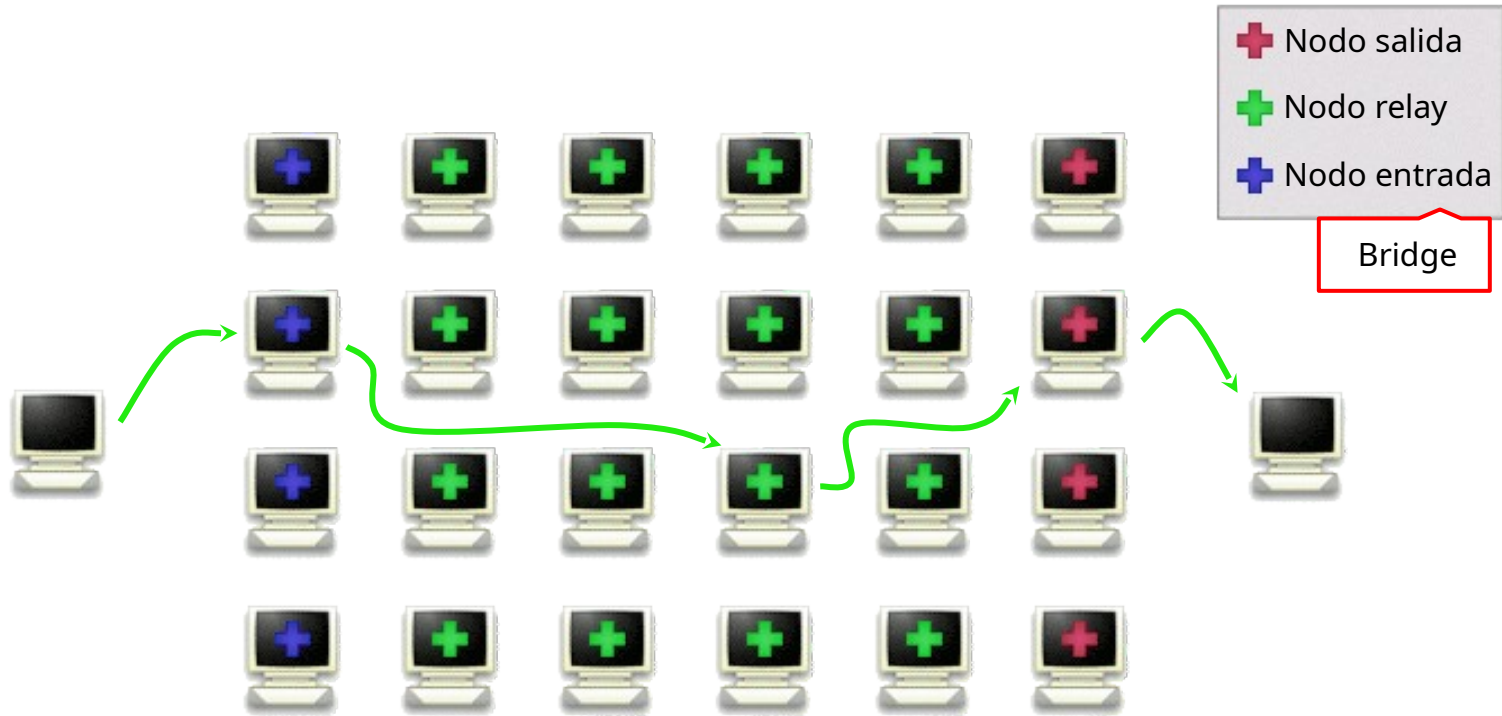
Redes libres



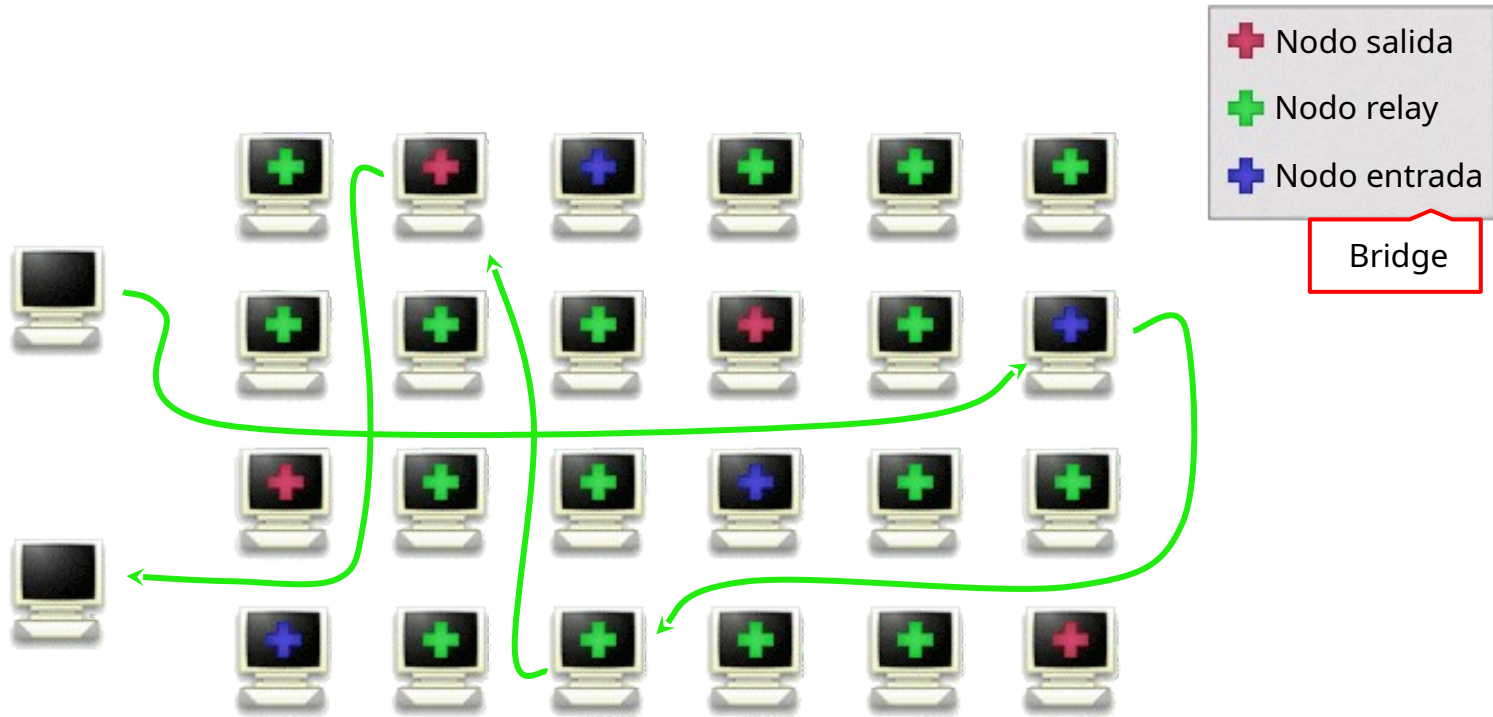
Redes libres



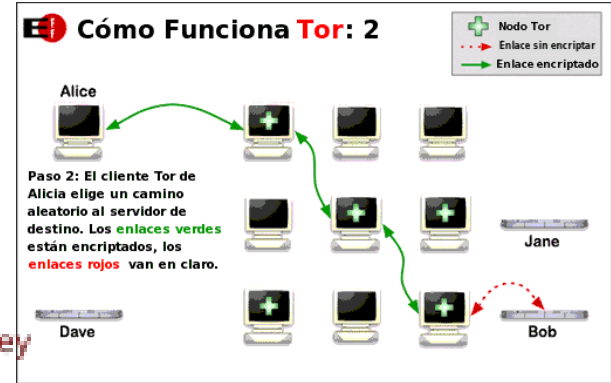
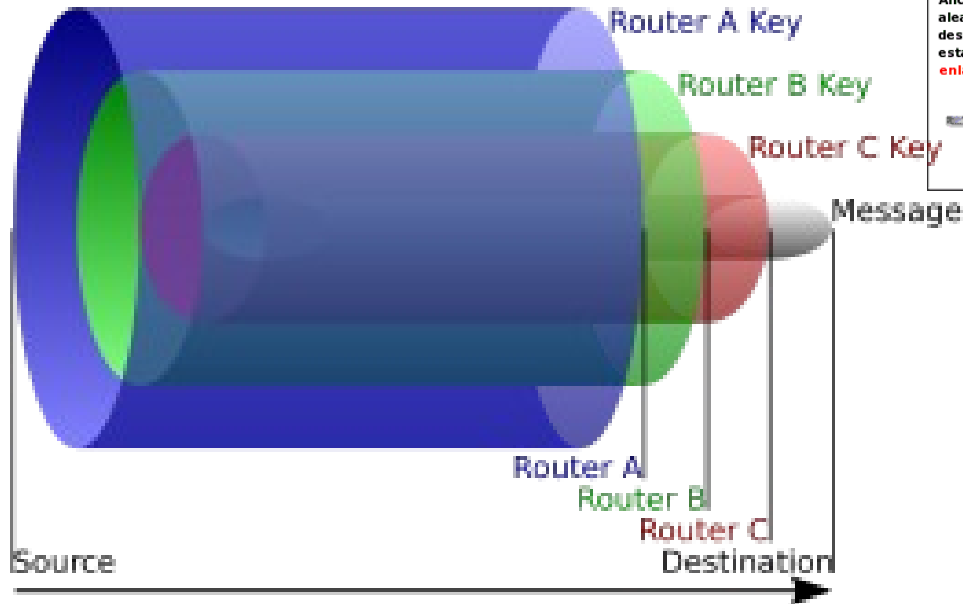
Tipos de nodos



Tipos de nodos



Sistema Onion

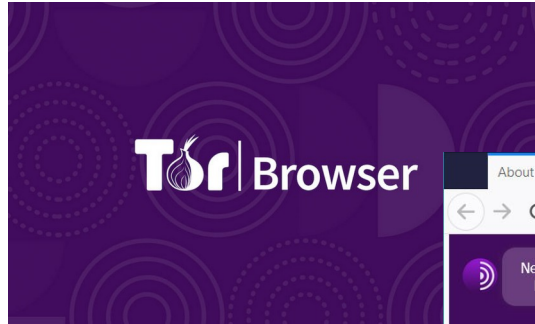


Sistema Onion

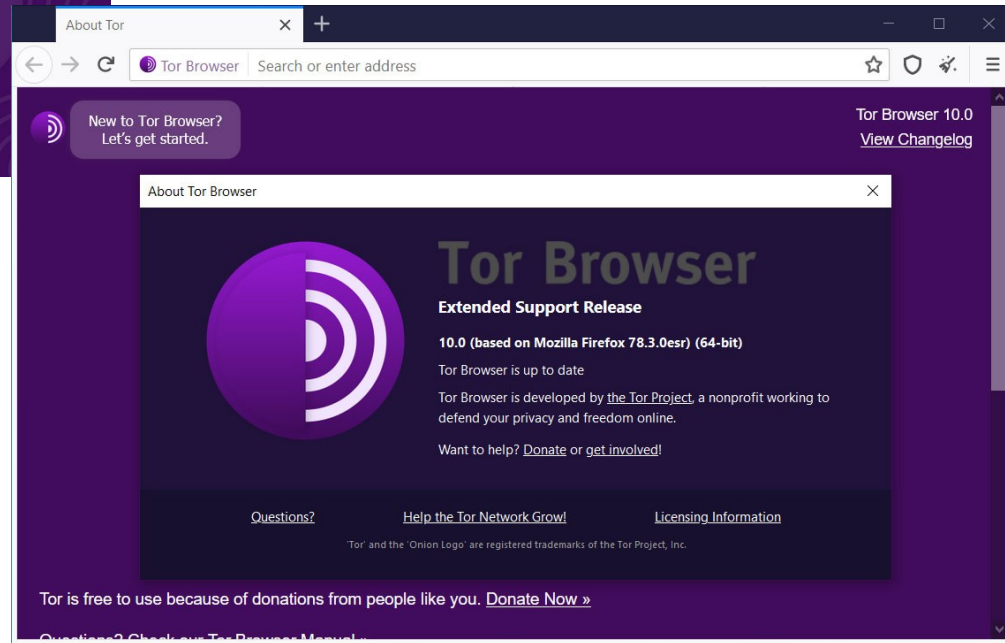


Como acceder

torproject.org



gettor@torproject.org



¿Qué hay para ver?

not **Evil**

 The Hidden Wiki



 ProtonMail

 **SECUREDROP**


DuckDuckGo.



B B C

Links a servicios

DuckDuckGo 3g2upl4pq6kufc4m.onion

Notevil hss3uro2hsxfogfq.onion

The hidden wiki
zqktlwiuavvvqqt4ybvghi7tyo4hjl5xgfuvpdf6otjiycgwqbym2qad.onion

Ahmia msydstlz2kzerdg.onion

Protonmail protonirockerxow.onion

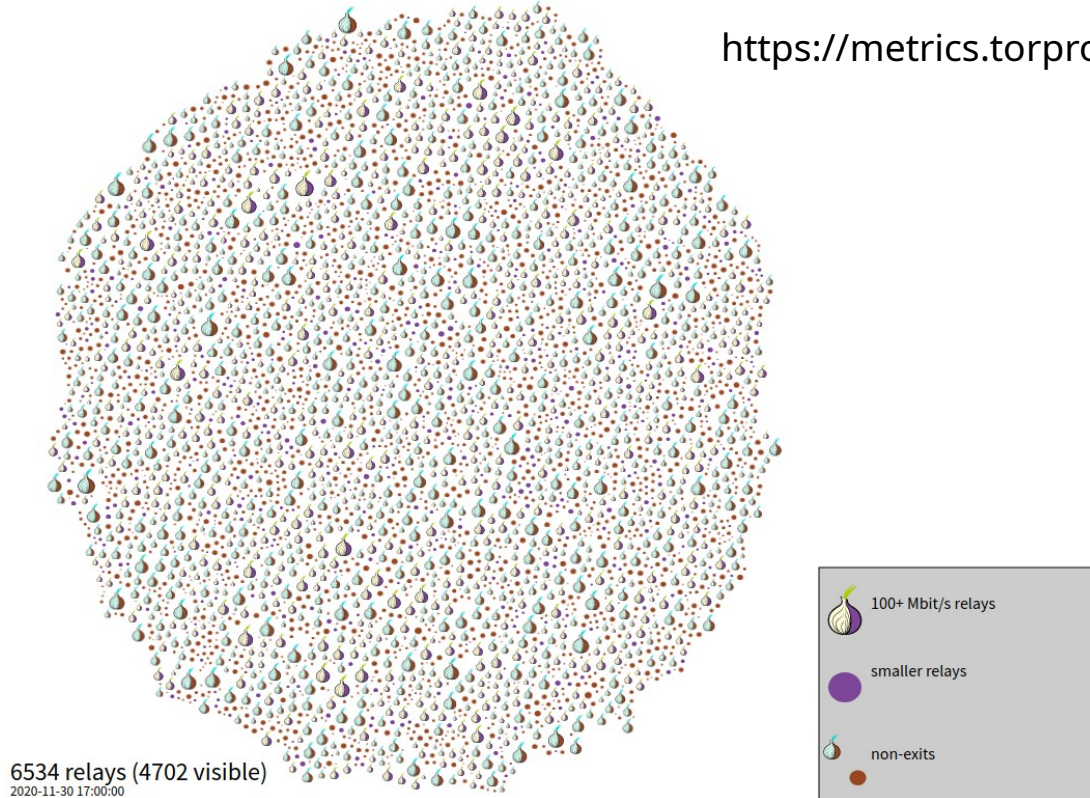
Securedrop secdrop5wyphb5x.onio

Facebook www.facebookcorewwwi.onion

BBC bbcnews2vjtpsuy.onion

Tor Project

<https://metrics.torproject.org>



Tor Project



Conclusiones

Tor no es la Dark Net

La Dark Net es una “herramienta”

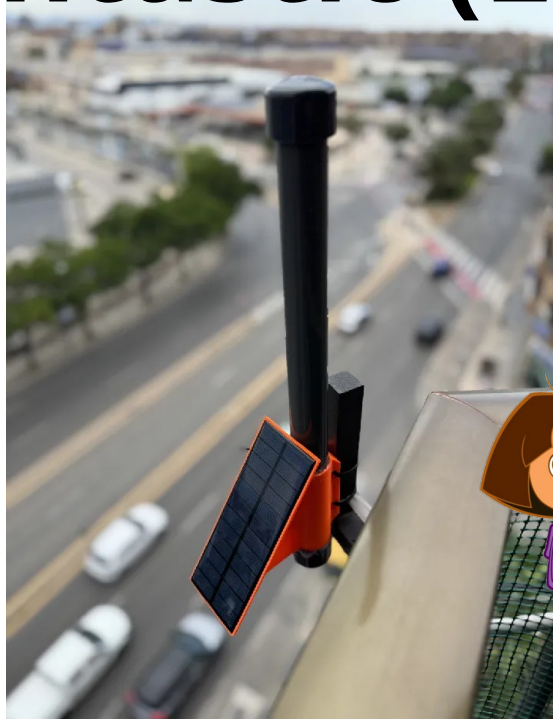
La Dark Net da libertades

Redes libres



NYC Mesh

Meshtastic (Lora)



Karman's Tube

Links a servicios

DuckDuckGo 3g2upl4pq6kufc4m.onion

Notevil hss3uro2hsxfogfq.onion

The hidden wiki
zqktlwiuavvvqqt4ybvghi7tyo4hjl5xgfuvpdf6otjiycgwqbym2qad.onion

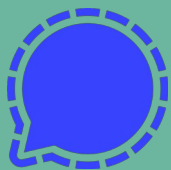
Ahmia msydstlz2kzerdg.onion

Protonmail protonirockerxow.onion

Securedrop secrdrop5wyphb5x.onio

Facebook www.facebookcorewwwi.onion

BBC bbcnews2vjtpsuy.onion



@ReD.1984



red@jabber.ccc.de



red@nosoloaulas.com

