



# Desmitificando TOR y la deep web





# 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

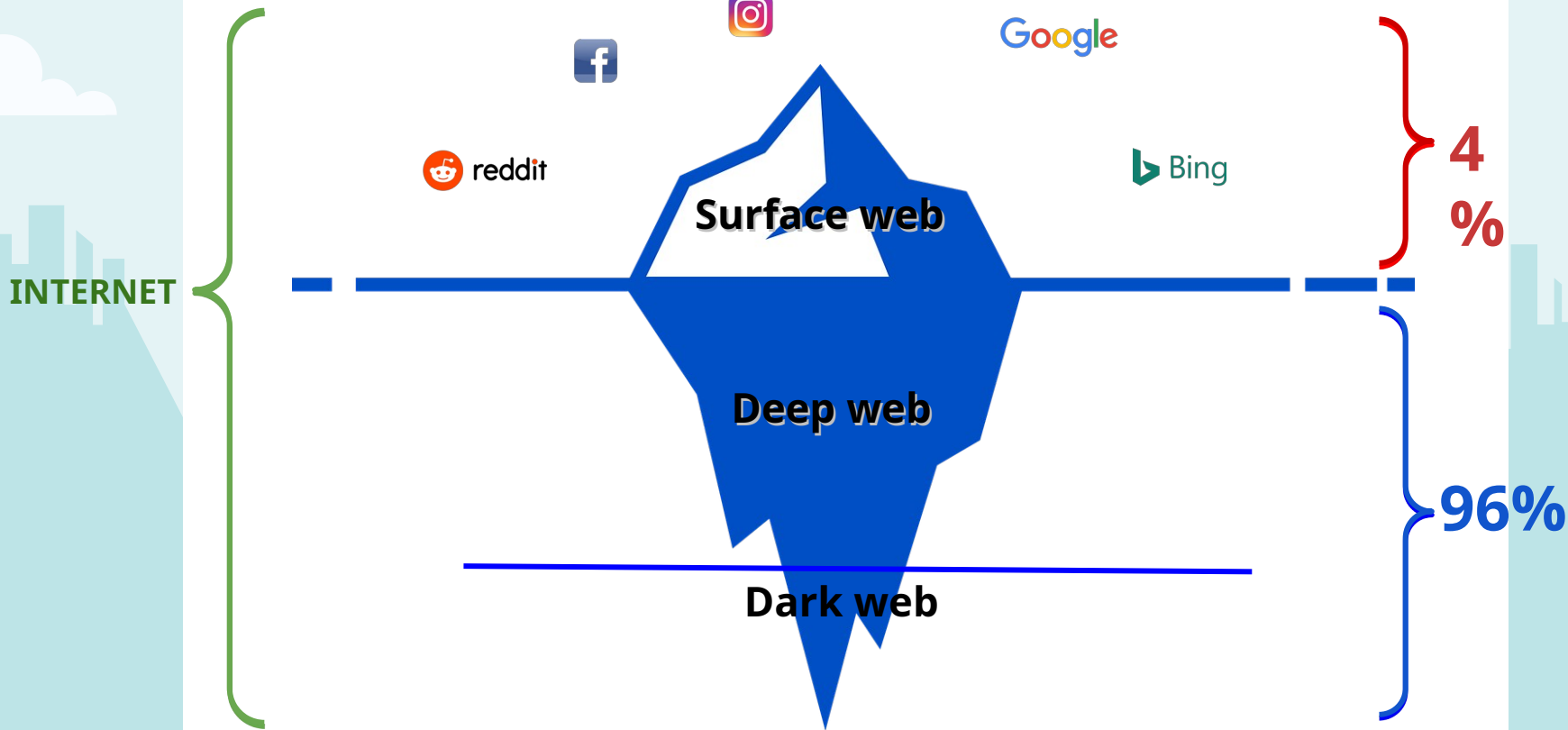
## El mundo nauseabundo de la 'Internet profunda'

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

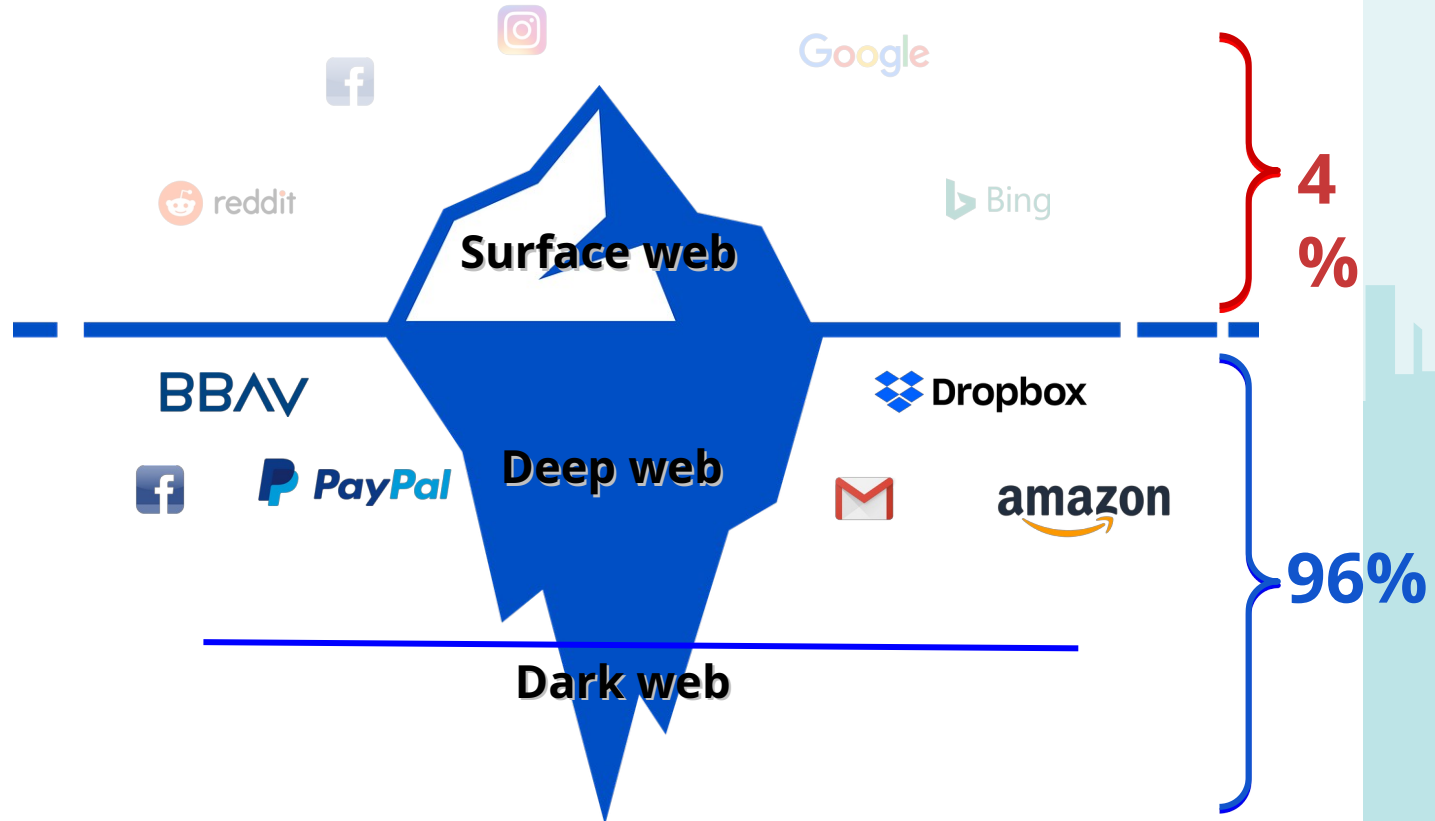
EL  MUNDO

Internet profunda: pederastia, coca y asesinos a sueldo

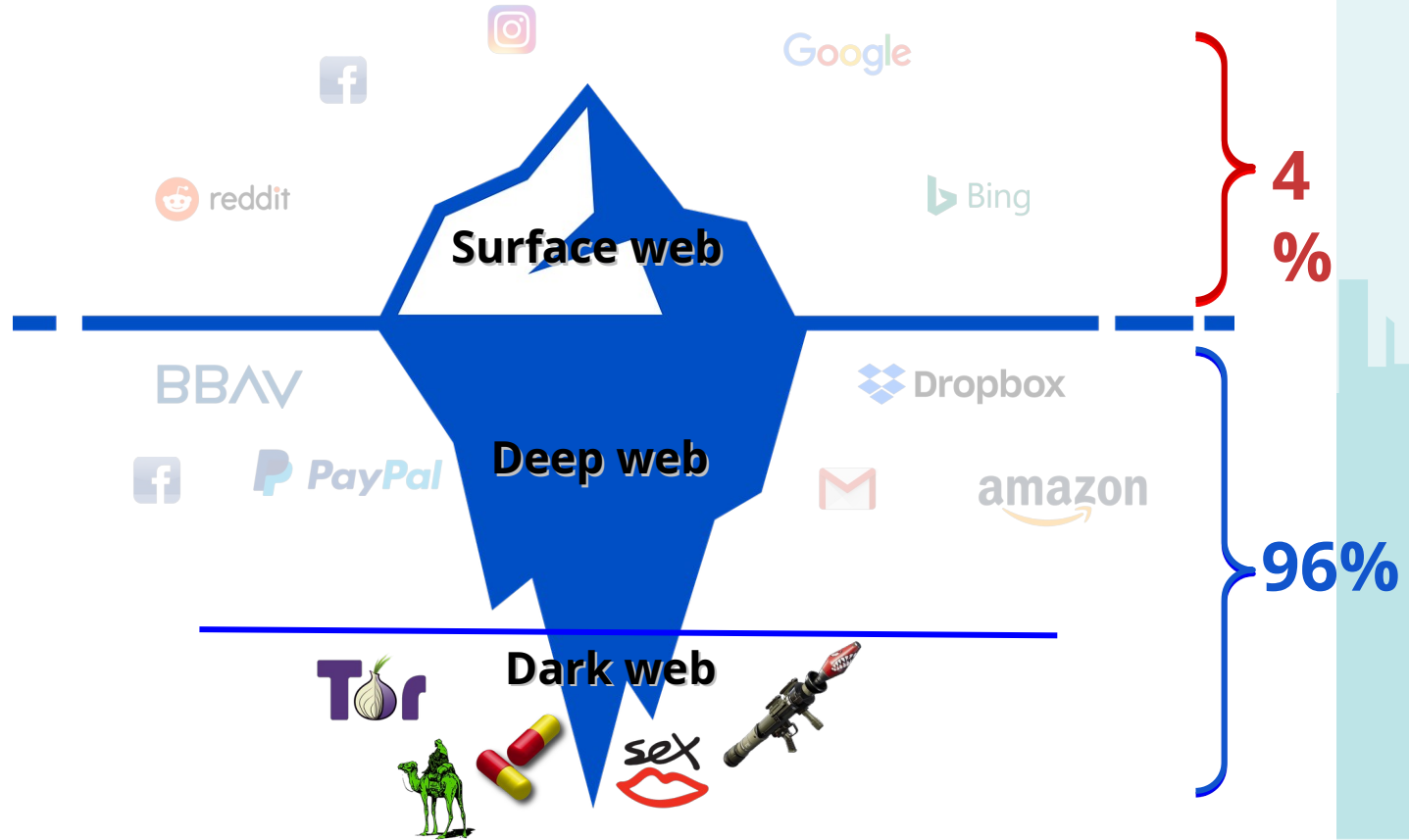
# Visión pública Dark Web



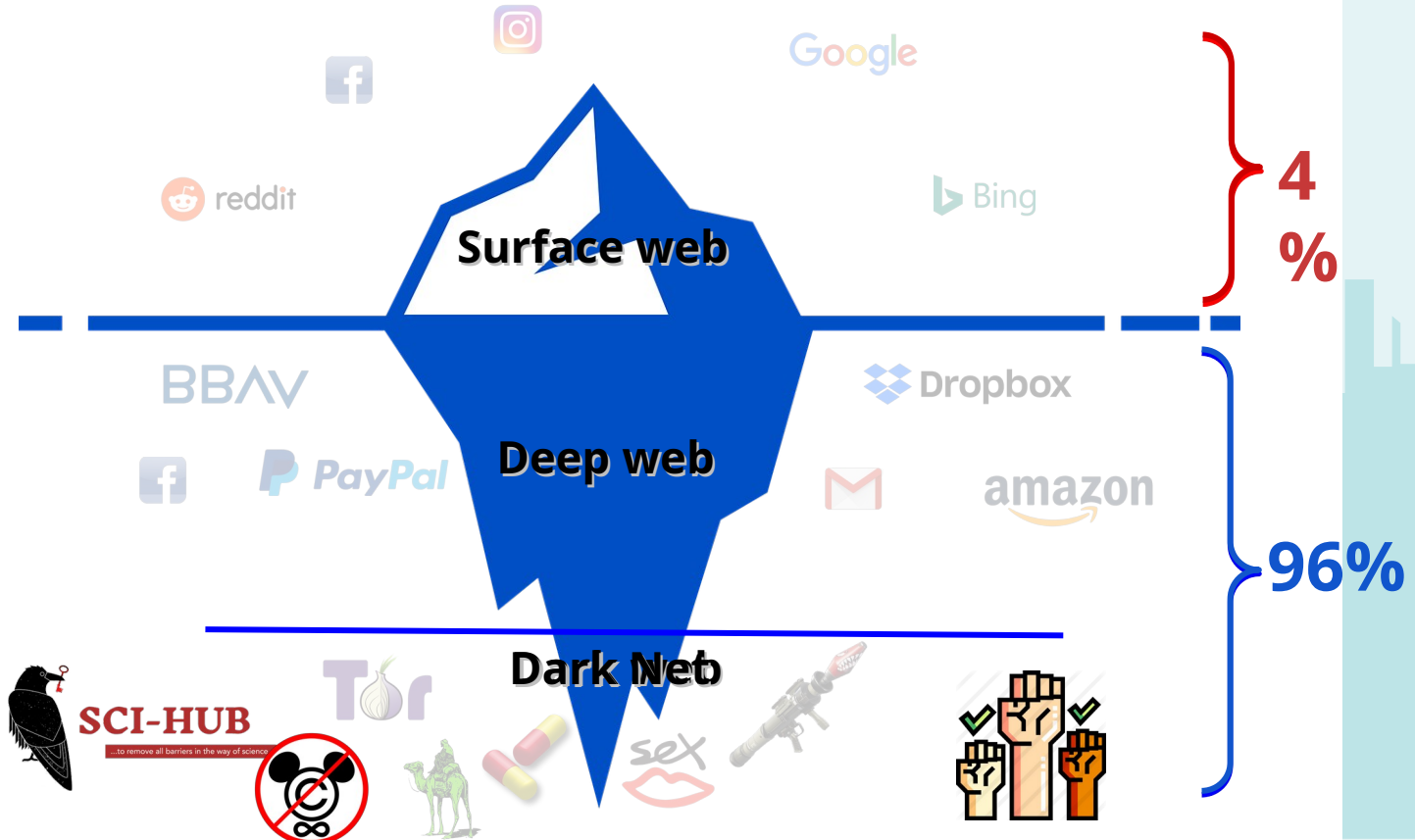
# Visión pública Dark Web



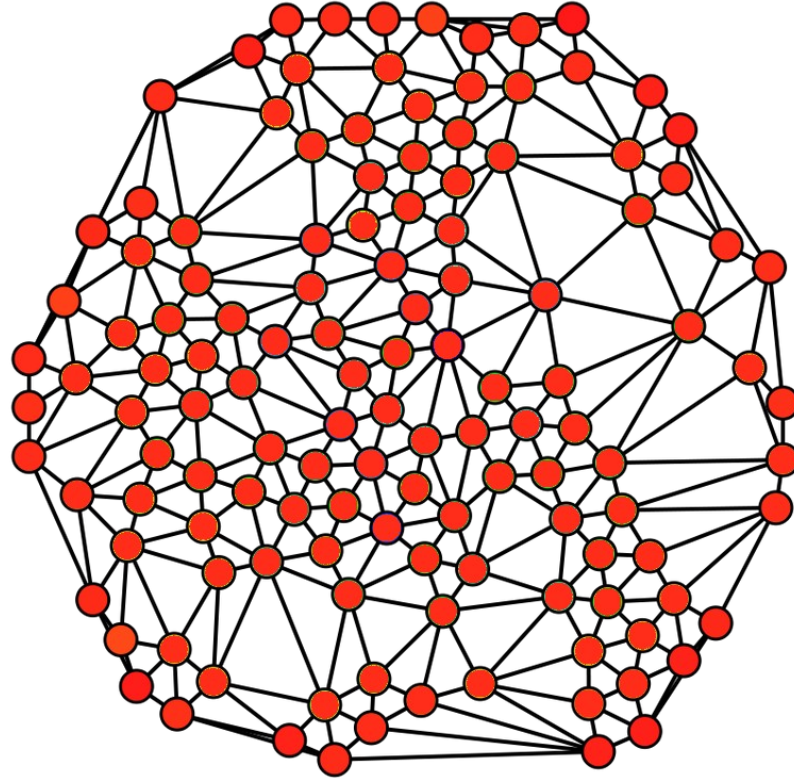
# Visión pública Dark Web



# Visión pública Dark Web

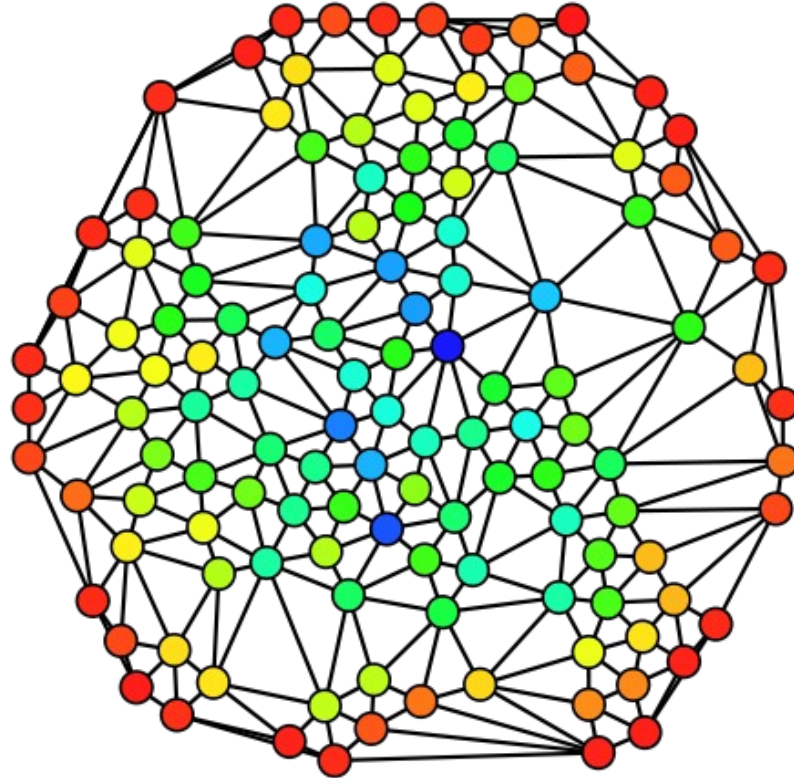


# Redes superpuestas

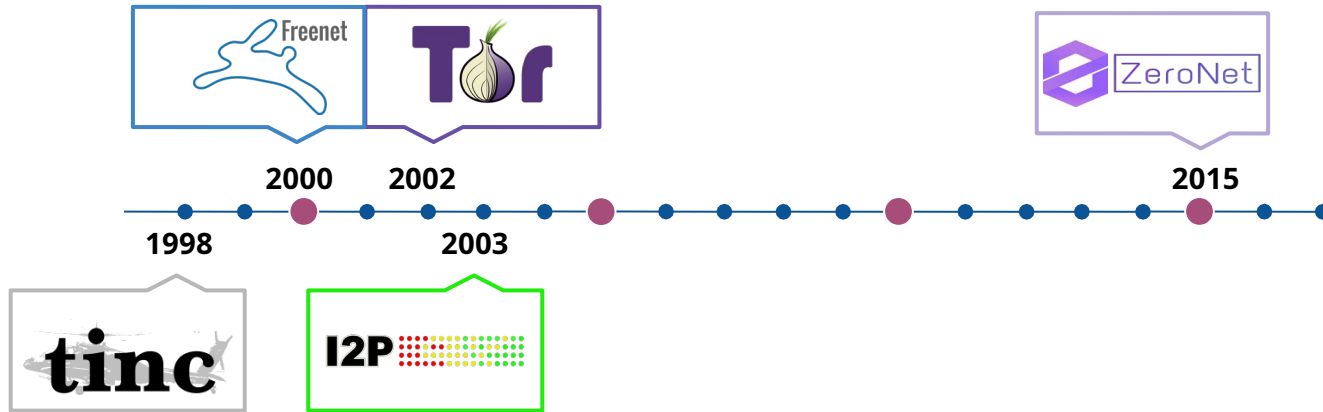




# Redes superpuestas



# Redes superpuestas





VPNs

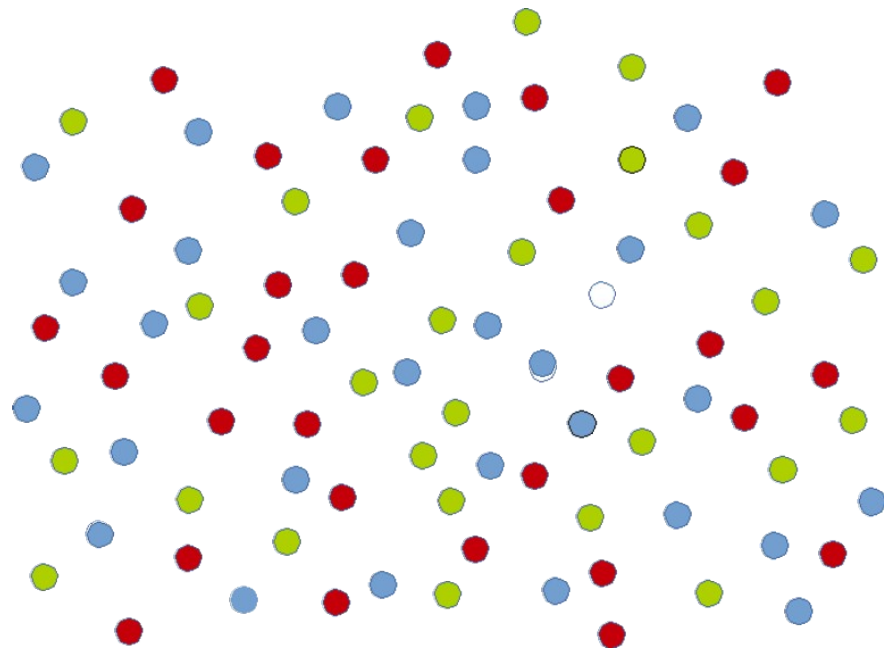
Se levantan varios  
VPN punto a  
punto





VPNs

Se levantan varios  
VPN punto a  
punto

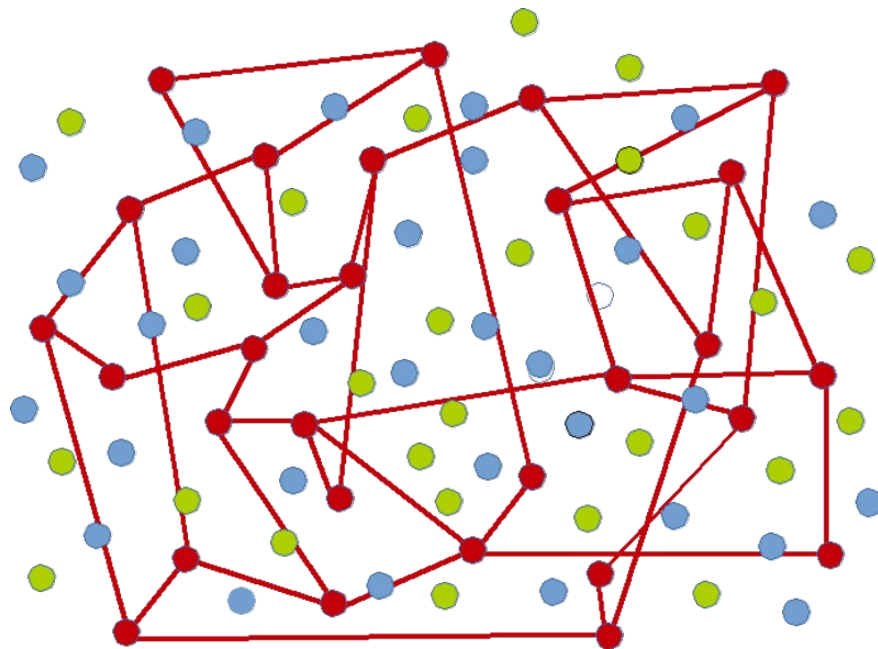


# tinc



VPNs

Se levantan varios  
VPN punto a  
punto





P2P

Funciona como  
red Peer to peer



1Gb - 20GB

Se necesita de  
almacenamiento



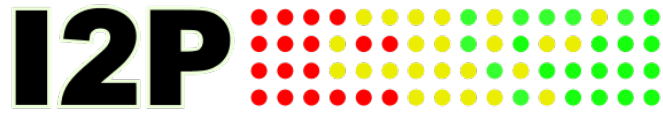
Plugins

Freemail, sone...



Ancho de banda

Consume ½ de  
tu ancho de  
banda



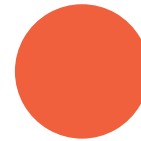
Garlic

Enrutamiento en  
formato de ajo



Webs .i2p

Los sites son  
eepsites



Outproxies

Un arreglo para  
dar salida a  
Internet



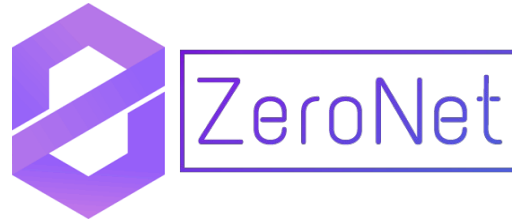
tuneles

Hay túneles de  
entrada y salida



Web propia

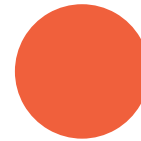
Eepsite listo para  
usar, agregar  
contenido



P2P  
Webs visitadas  
se comparten



Blockchain  
Asegura la  
información



Multinavegador  
App no modifica  
navegador



No es anonimo

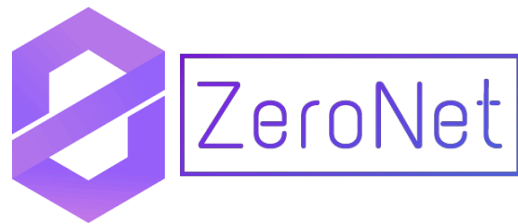


Zero wallet  
Propio wallet de  
criptomonedas



.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

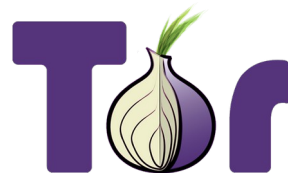
END-TO-END ENCRYPTED MAILING

ACTIVATE

ZeroMe

P2P SOCIAL NETWORK

ACTIVATE



onion  
Usa  
enrutamiento  
tipo onion



Red centralizada



Acceso externo  
Acceso a Internet



.onion  
Servicios dentro  
de tor

# Historia de TOR

Naval Research Lab (NRL) **1995**

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

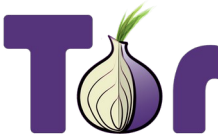
Se implento la red Tor **2002**

**2006** la ONG Tor project financiado por EFF

Tor Browser **2008**

**2010** La primavera árabe

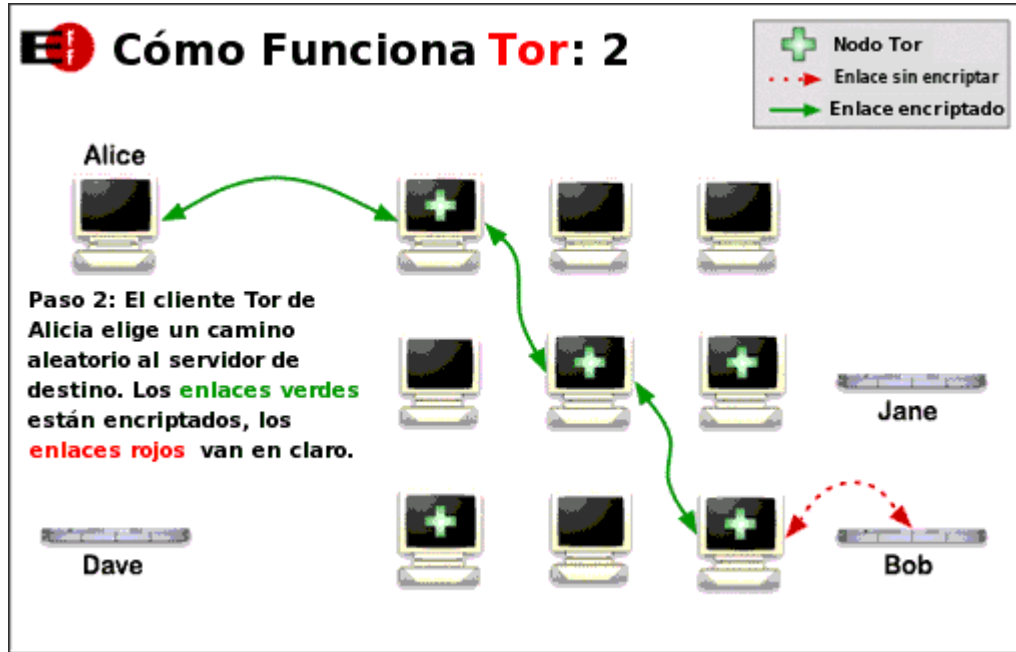
Revelaciones Snowden **2013**  
Se verifica que **no** rompieron TOR



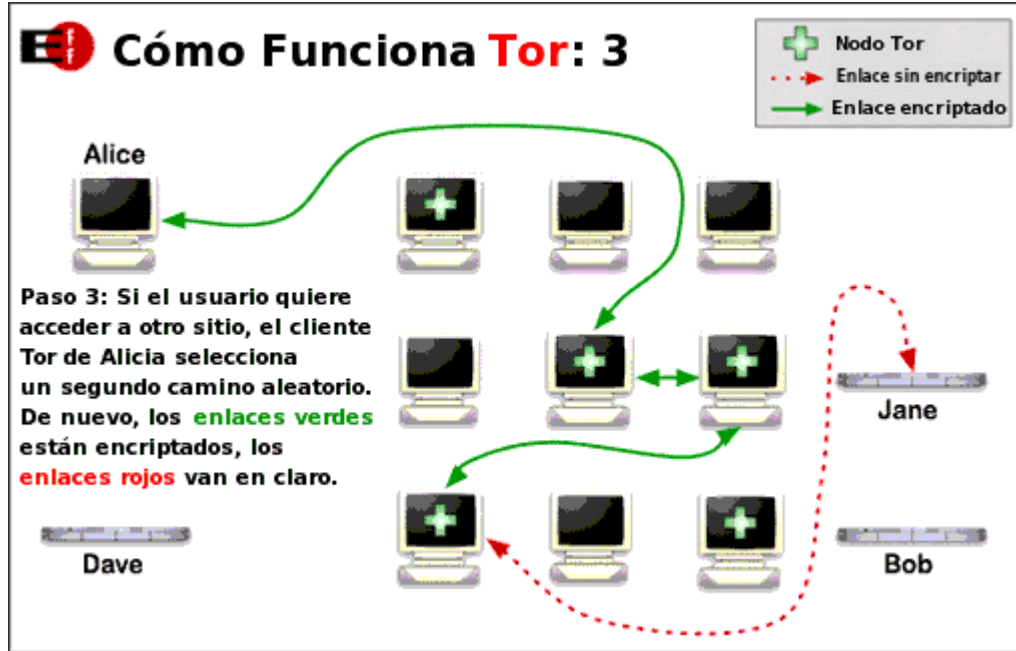
# Redes libres



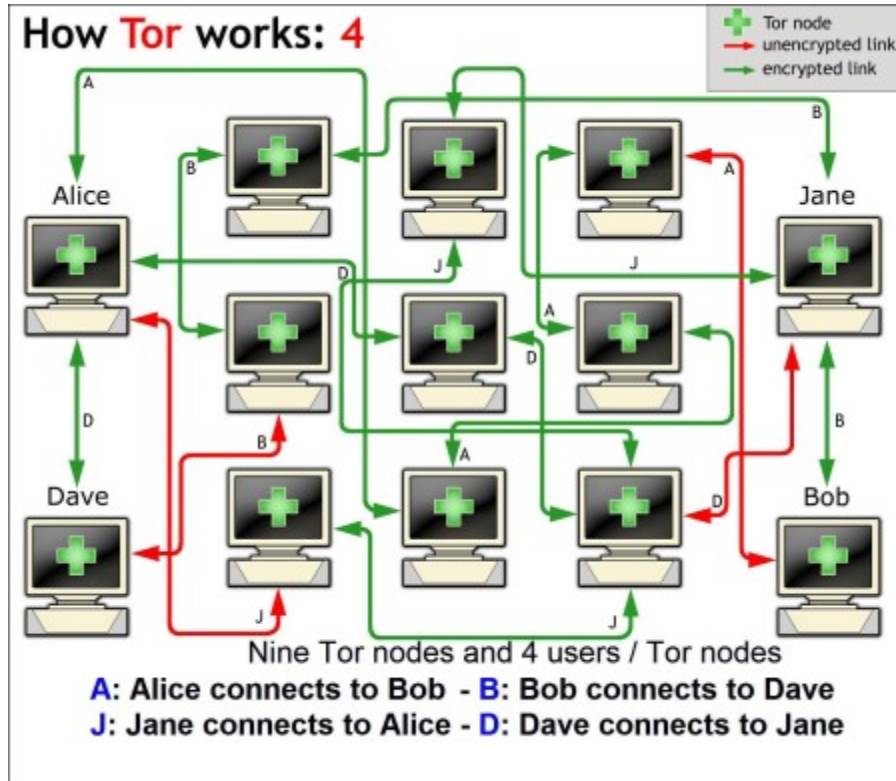
# Redes libres



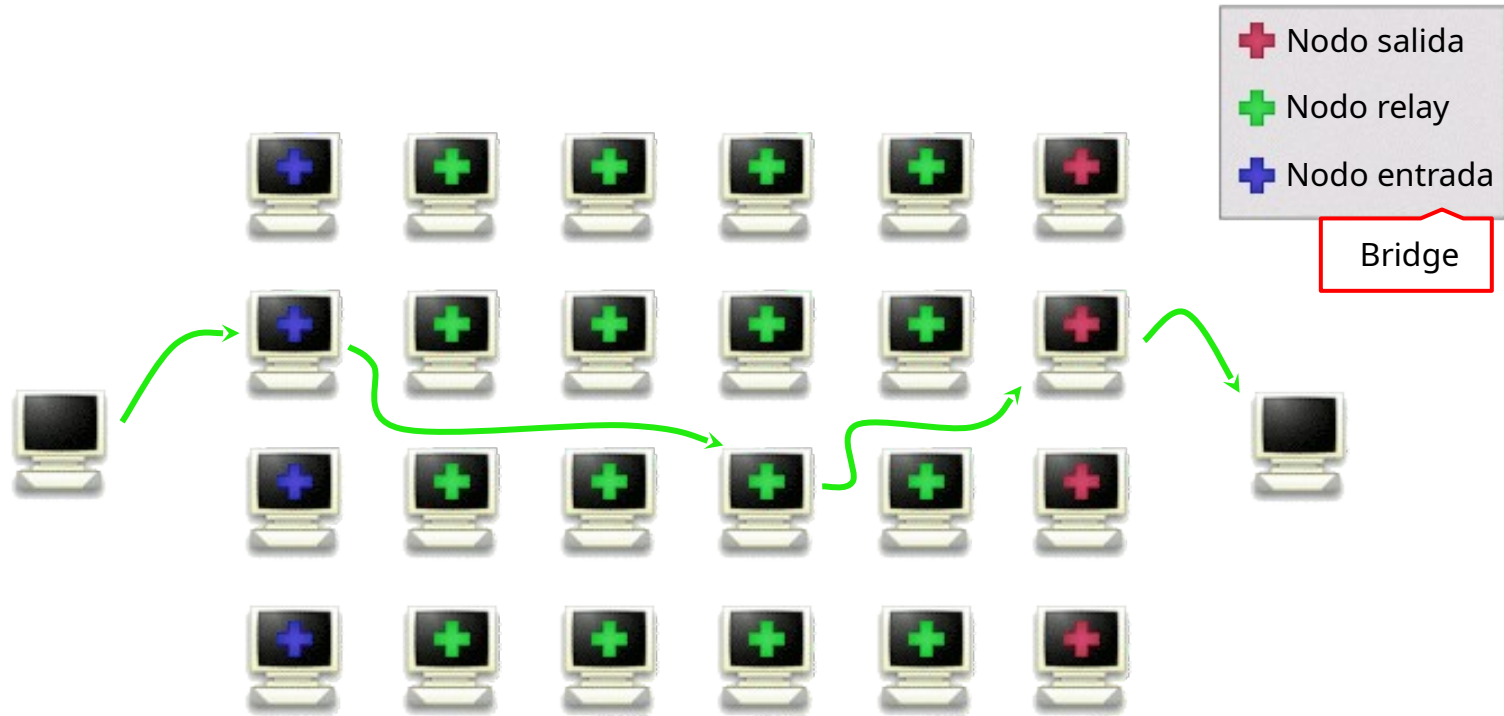
# Redes libres



# Redes libres

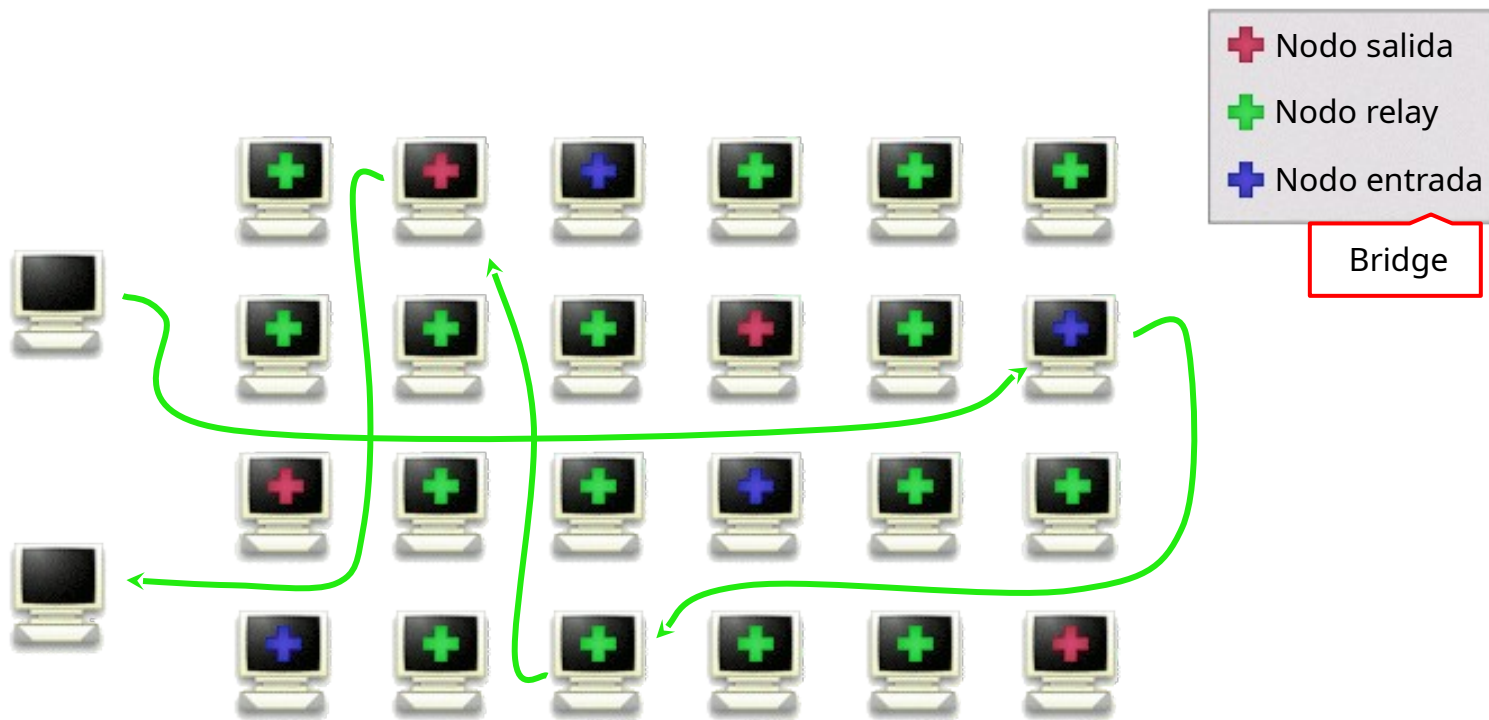


# Tipos de nodos





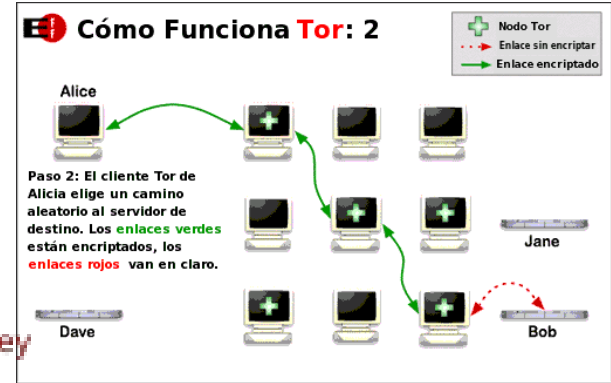
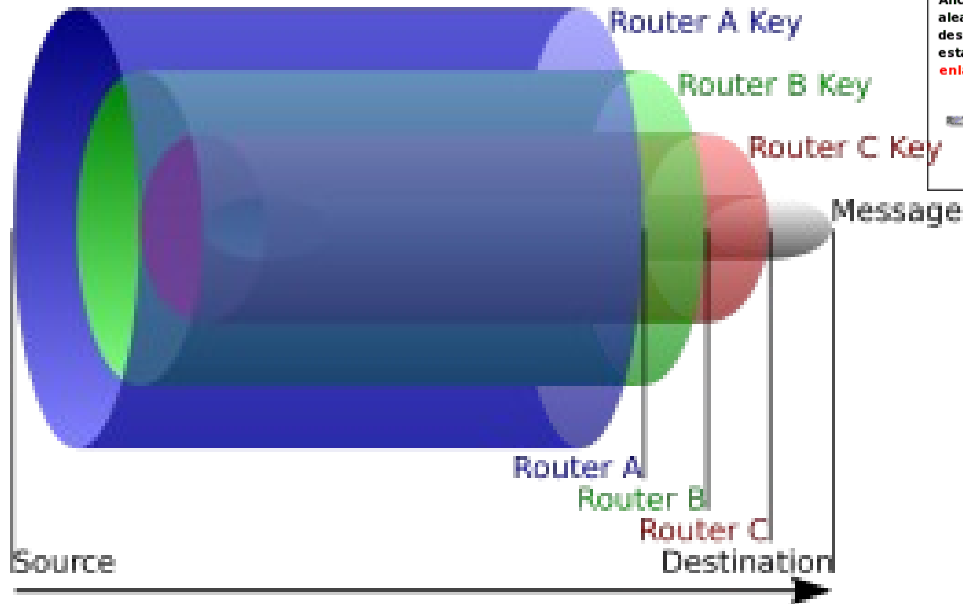
# Tipos de nodos



# Sistema Onion



# Sistema Onion

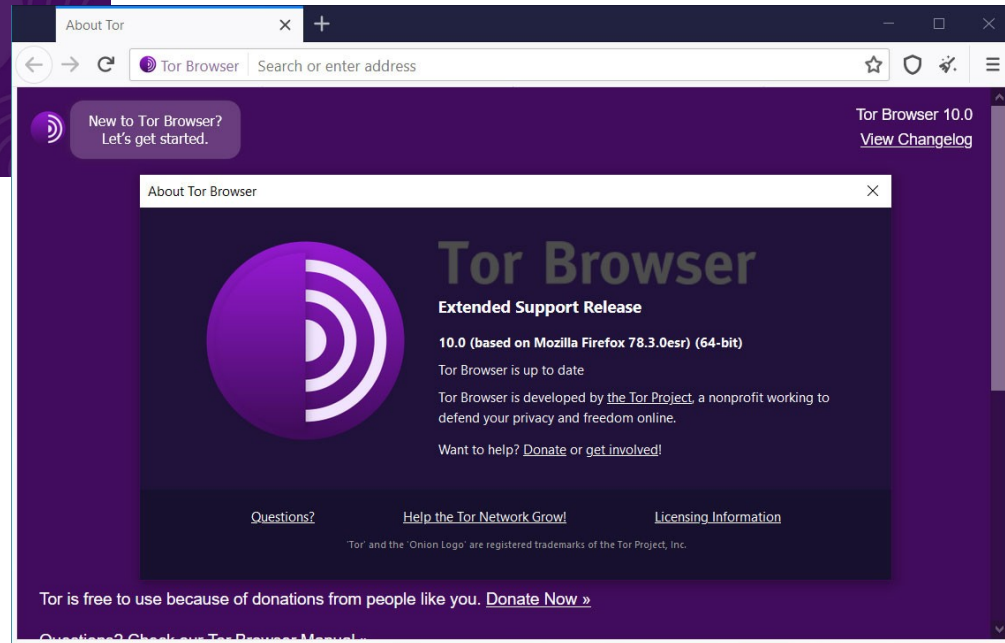


# Como acceder

torproject.org



gettor@torproject.org



# ¿Qué hay para ver?

not **Evil**

The Hidden Wiki



 ProtonMail

  
**SECUREDROP**

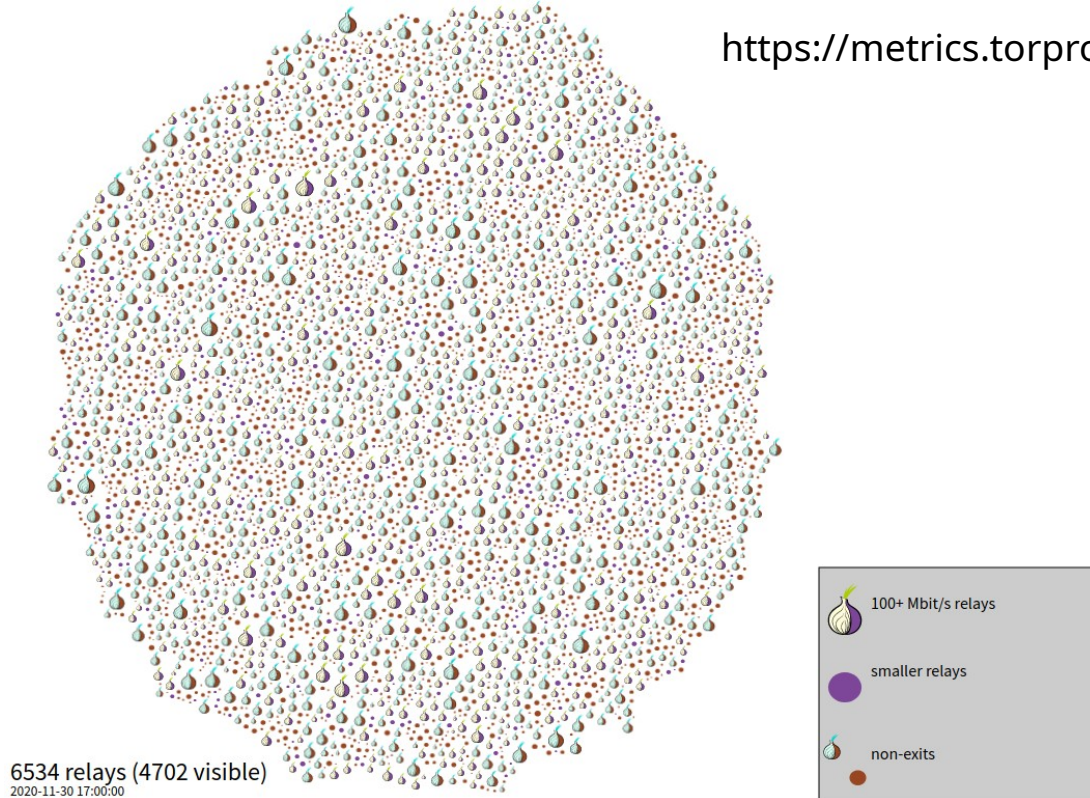
  
DuckDuckGo.



**B B C**

# 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

# Links a servicios

**DuckDuckGo** 3g2upl4pq6kufc4m.onion

**Notevil** hss3uro2hsxfogfq.onion

**The hidden wiki**  
zqktlwiuavvvqqt4ybvghi7tyo4hjl5xgfuvpdf6otjiycgwqbym2qad.onion

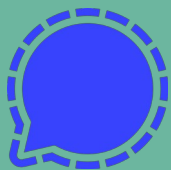
**Ahmia** msydstlz2kzerdg.onion

**Protonmail** protonirockerxow.onion

**Securedrop** secdrop5wyphb5x.onio

**Facebook** www.facebookcorewwwi.onion

**BBC** bbcnewsv2vjtpsuy.onion



@ReD.1984



**XMPP**

red@jabber.ccc.de



red@nosoloaulas.com

