
IX Jornada sobre Control Interno
y Riesgo en Entidades
Financieras

EL PRESENTE DE LA AUDITORÍA DEL FUTURO

Miércoles 2 y jueves 3 de
octubre de 2019





Ciberseguridad del sector Financiero.
Web superficial, profunda y oscura. El
problema de la fuga de información.

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El marco legal y normativo



Marco Legal del Sistema Financiero Argentino 2019
Banco Central de la República Argentina
<https://www.bcra.gob.ar/Pdfs/SistemasFinancierosYdePagos/MarcoLegalCompleto.pdf>
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BANCO CENTRAL
DE LA REPÚBLICA ARGENTINA

**REQUISITOS MÍNIMOS DE GESTIÓN,
IMPLEMENTACIÓN Y CONTROL DE LOS RIESGOS
RELACIONADOS CON TECNOLOGÍA
INFORMÁTICA, SISTEMAS DE INFORMACIÓN Y
RECURSOS ASOCIADOS PARA LAS ENTIDADES
FINANCIERAS**

-Última comunicación incorporada: "A" 6684-

Texto ordenado al 23/04/2019



BANCO CENTRAL
DE LA REPÚBLICA ARGENTINA

B.C.R.A.	REQUISITOS MÍNIMOS DE GESTIÓN, IMPLEMENTACIÓN Y CONTROL DE LOS RIESGOS RELACIONADOS CON TECNOLOGÍA INFORMÁTICA, SISTEMAS DE INFORMACIÓN Y RECURSOS ASOCIADOS PARA LAS ENTIDADES FINANCIERAS
	Sección 6. Canales Electrónicos.

Tabla de requisitos de Monitoreo y Control (continuación)

Código de requisito	Descripción de requisito	Alcance
RMC009	<p>Los sistemas de monitoreo transaccional de las entidades/operadores de TD/TC, deben asegurar la detección, registro y control de situaciones que establezcan un compromiso de datos sensibles que incluya pero no se limite a las siguientes:</p> <ol style="list-style-type: none"> Punto común de compromiso. punto de venta, adquirente, proveedor, entre otros que comprometan transacciones de TD/TC cursadas por el mismo. Fuga de información. Pérdida ocurrida en la infraestructura técnica y/o organizacional de la entidad financiera, operador, adquirente, distribuidor y/o proveedores que comprometa información sensible de las TD/TC (números de tarjeta, códigos de seguridad, datos confidenciales del cliente, entre otros) Códigos de Seguridad. Compromiso demostrado de los algoritmos de cálculo de los códigos de seguridad de las TD/TC. 	

<https://www.bcra.gov.ar/Pdfs/Textord/t-rmsist.pdf>



El Problema de Ciberseguridad en el sector Financiero



3,735 views | Apr 29, 2019, 04:38pm

Cybercrime: 25% Of All Malware Targets Financial Services, Credit Card Fraud Up 200%

<https://www.forbes.com/sites/zakdoffman/2019/04/29/new-cyber-report-25-of-all-malware-hits-financial-services-card-fraud-up-200/#19a05d087a47>

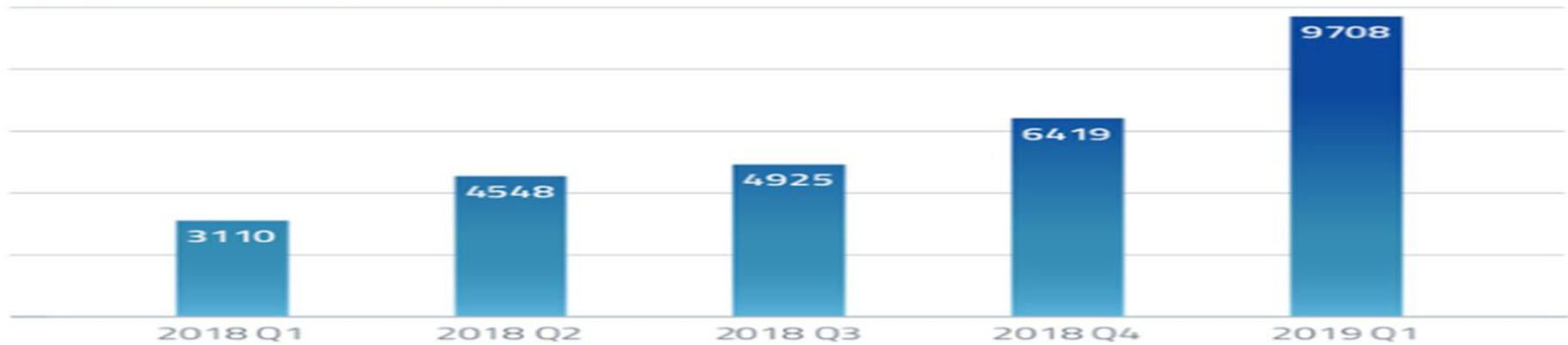
EL PRESENTE DE LA AUDITORÍA DEL FUTURO



A spike in data leaks

The leak of **Collection #1** and **Collection #2-5** resulted in a big spike in leaked credentials during Q1 2019. The amount of leaked credit card data has also skyrocketed in the same period.

Leaked Credit Card Information



“Cybercriminals use these compromised credit card numbers to primarily make small purchases, as this practice does not often attract unwanted attention. However, these small purchases can generate nearly ten times more “free money” than what the card is worth on the black market,” Rosenberg explained.

“Since credit card companies will typically reimburse customers who have been victimized by fraudulent credit card usage, cybercriminals find stealing card numbers to be a relatively safe and simple way to generate profits. The risks are small and the potential gains are significant.”

EL PRESENTE DE LA AUDITORÍA DEL FUTURO



Financial Services

Current and future state of the threat



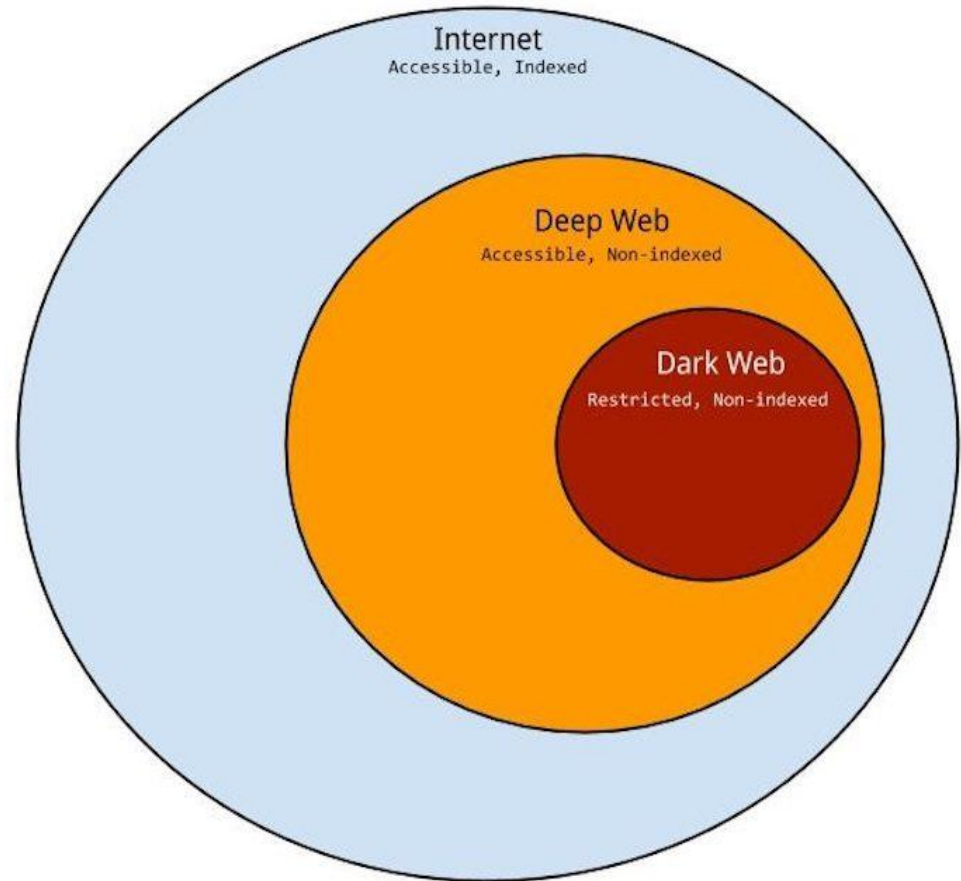
Source: Accenture iDefense Threat Intelligence



La Web Completa



La web visible
es solo parte
de la web
total.

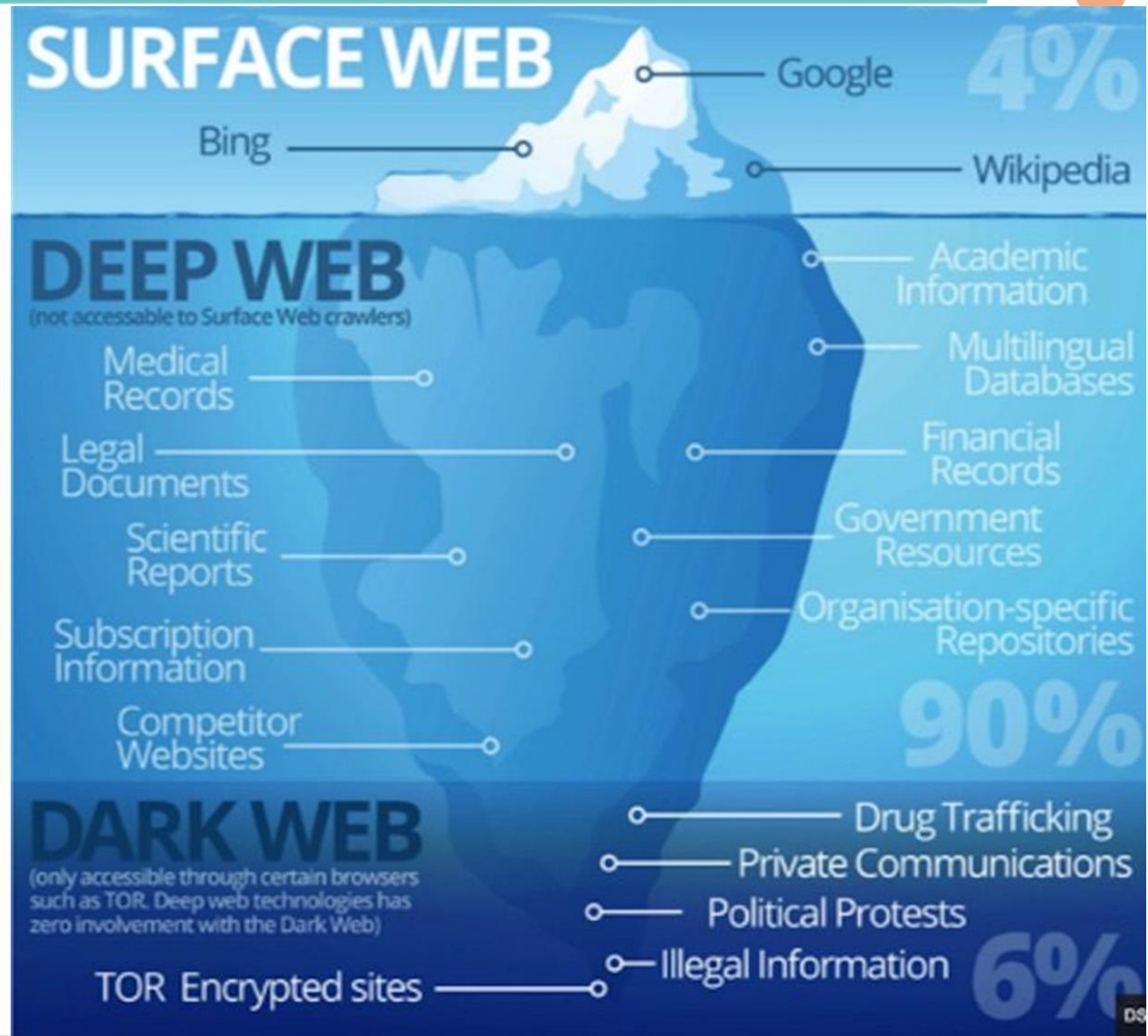




La Web Completa

Se pueden clasificar en tres partes:

- La web de superficial o "Surface Web"
- La web profunda o "Deep Web"
- La Web oscura o "Dark Web"



EL PRESENTE DE LA AUDITORÍA DEL FUTURO



Podemos distinguir distintos niveles.

Deep Web

Web superficial

Nivel 01

Páginas a las que se puede acceder mediante buscadores. Cualquiera puede acceder a ellas y la navegación en este nivel es fácilmente rastreable.



Internautas

Nivel 02

Páginas no indexadas o eliminadas de los motores de búsqueda por violar leyes de propiedad intelectual y distribuir contenidos piratas. También se encuentran en este nivel páginas de universidades, grandes empresas y otros sitios no indexados.



- Universidades, departamentos IT

Nivel 03

Redes P2P (ed2K, Torrent, etc.), desde donde se pueden bajar archivos de forma masiva.



Gente que descarga contenidos

Nivel 04

Sitios de difícil acceso para los que es necesario acceder a través de TOR, i2p o freenet principalmente.

Hackers, policías, investigadores

Nivel 05

Sitios de acceso vía TOR principalmente con contenidos ilícitos en los que se trafica con armas, estupefacientes, pornografía infantil, archivos robados, etc.

Delincuentes y perfiles opacos

Nivel 06

También llamado Fosas Marinas. Acceso supuestamente restringido a los Gobiernos.

Gobiernos

Web profunda

Fuente: KPMG



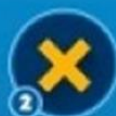
Algunos Mitos y Verdades sobre la Deep Web.

DEEP WEB



LA DEEP WEB OCUPA EL 90% DE INTERNET - **CIERTO**

Apenas podemos encontrar el 10% del contenido que hay en Internet desde los buscadores como Google y Bing. Pero la Dark Web, es una porción muy pequeña de toda la Deep Web, que no llega ni al 1%.



LA DEEP WEB ESTÁ HECHA POR Y PARA CRIMINALES - **FALSO**

Hay cientos de rumores sobre la Deep Web y sobre cómo acceder a ella. Pero lo cierto es que existe un navegador llamado TOR que todos podemos descargarlo, aunque te recomendamos que si lo haces, navegues con mucho cuidado.



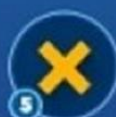
TODO LO QUE HAY EN LA DARK WEB SON DROGAS Y ARMAS - **FALSO**

Hay muchas personas que prefieren mantener su anonimato y por eso usan la Dark Web. Hay muchos blogs e información interesante. También hay un mercado llamado Silk Road, en el que se puede comprar de todo, drogas y armas incluidas.



MEJOR NO DESCARGAR FICHEROS NI HABLAR CON LA GENTE - **CIERTO**

Es cierto que los hackers se mueven como pez en el agua en la Dark Web y que dejan trampas para que los novatos caigan en ellas. Mejor no te descargues nada y si alguien comienza una conversación contigo, no te fíes.



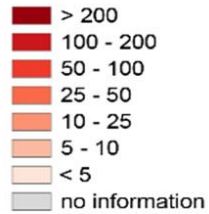
LA DARK WEB Y LA DEEP WEB SON LO MISMO - **FALSO**

Hay mucha gente que habla de ambos términos como si fueran lo mismo, pero son conceptos totalmente distintos. La Dark Web está hecha para proteger la privacidad de sus usuarios, mientras que la Deep Web la forman los contenidos que no indexan los buscadores.



The anonymous Internet

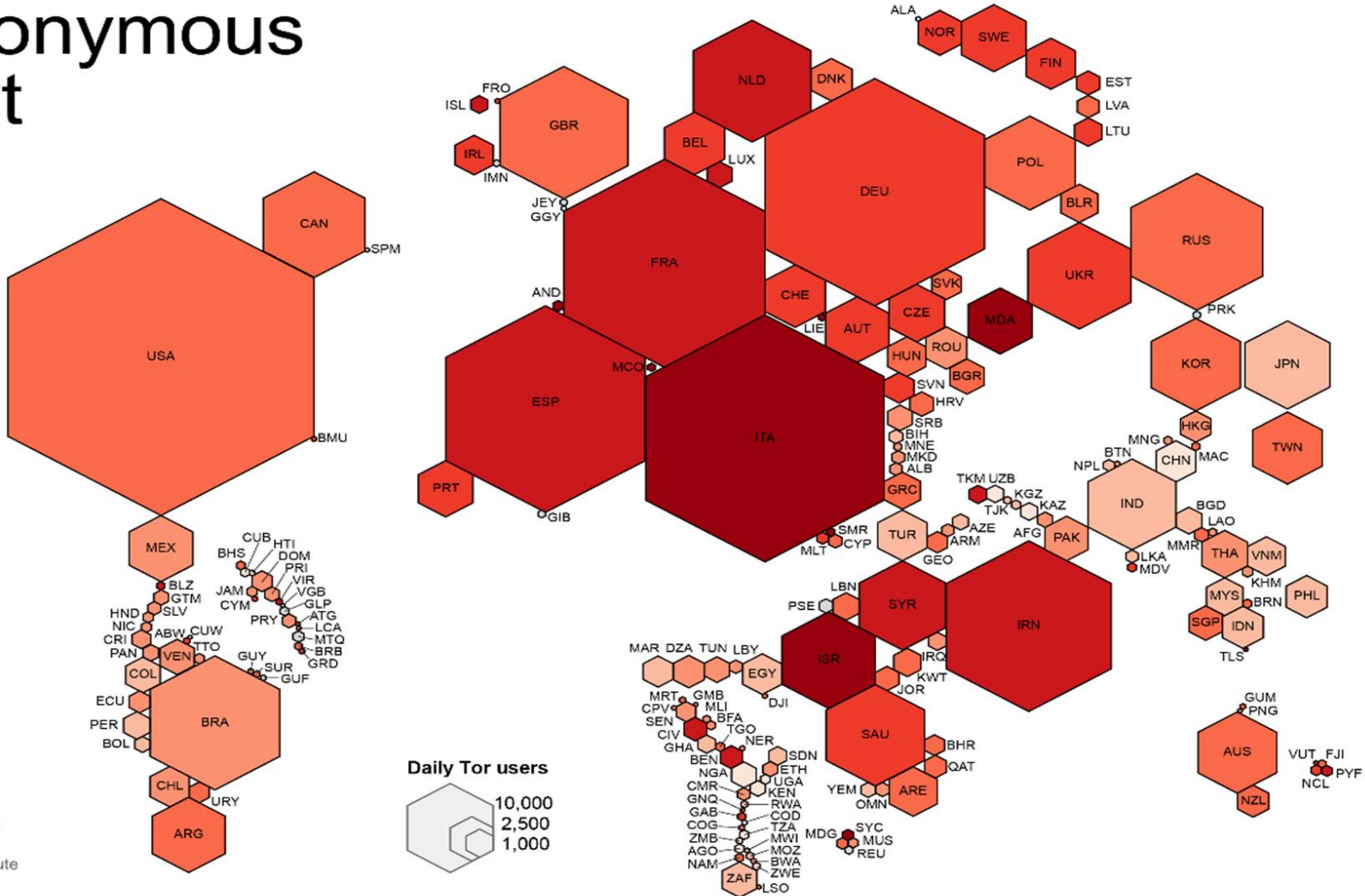
Daily Tor users per 100,000 Internet users



Average number of Tor users per day calculated between August 2012 and July 2013

data sources:
 Tor Metrics Portal
 metrics.torproject.org
 World Bank
 data.worldbank.org

by Mark Graham (@geoplace) and Stefano De Sabbata (@maps4thought)
 Internet Geographies at the Oxford Internet Institute
 2014 • geography.oii.ox.ac.uk





Dark Web



[Home](#) [News](#) [Guide](#) **Shop** [Forum](#) [★ Escrow](#) [Photos](#) [Blogs](#) [Communities](#) [Q&A](#) [People](#) [About](#) [Contact us](#)

[Wiki Links Tor](#)

[Home / Shop](#)



SHOP

Drugs shop	128
Electronics shop	38
Financial services	150
Other shop	63
Service	85



FINANCIAL SERVICES



REAL SELLER CARDS | WESTERN UNION | PAYPAL



Description:

This is a prepaid debit card, every card comes with a 4 digit pin & it is safe to use everywhere in the world that accepts master card & visa & american express. I have enough supplies to make 20+ Master/Visa Credit/Debit cards per day. The card won't ever get frozen and can be used just like a regular debit card, These cards can be used to shop in stores and you can use them to cashout in ATMs worldwide.



EL PRESENTE DE LA AUDITORÍA DEL FUTURO



Financial Services

Currencies, banks, money markets, clearing houses, exchangers:

- [The Green Machine!](#) Forum type marketplace with some of the oldest and most experienced vendors around. Get your paypals, CCs, etc.
- [The Paypal Cent](#) Paypal accounts with good balances - buy some, and fix your financial situation for awhile.
- [Premium Cards](#) Oldest cc vendor, Top quality Us & Eu credit cards!
- [Financial Oasis](#) A slew of products from a darker side of finance.
- [netAuth](#) Automatic system to buy Paypal accounts and credit cards instantly in your e-mail. Socks5 included.
- [DreamWeavers](#) Offering high quality prepaid products for a great deal
- [Hidden Wallet](#) - Tor Anonymous Hidden Bitcoin Wallet.
- [Paypal Baazar](#) - paypal accounts for sale.
- [Cash Machine](#) - Phished PayPal, Neteller, Skrill, BoA, Wells fargo bank Accounts, Paysafecard's, US & EU Credit cards are available here.
- [Shadow Wallet](#) - An Anonymous User Friendly Bitcoin Wallet/Mixer
- [Global Carding Forum](#) - Escrow Accepted + CashApp, Western Union, Moneygram, Paypal, Zelle, Amazon, Ebay, Wire, Off-Shore Bank, VCC, CC with Pin
- [Queen Galaxy](#) - #1 Female Carding Shop Since 2011! CashApp, Western Union, Moneygram, Amazon, Wire Transfer, Prepaid, Debit, Credit & More
- [Bitcards](#) - The most trusted credit cards store in darknet with returning customers.
- [OnionWallet](#) - Anonymous Bitcoin Wallet and Bitcoin Laundry.
- [KryptoPayPal](#) - PayPal Cashout Service. Get the account balance back in Bitcoin.
- [TOP Cards](#) - Credit Cards, from the most Trusted Vendor in the union. Fast shipping.
- [Your C.Card Shop](#) - Physical credit cards with High balance available to order. Paypal or bitcoins as payment method.
- [USJUD Counterfeits](#) - EUR || USD Western Union money, any trusted escrow accepted, the most trusted seller.
- [Clone CC](#) - No.1 Trusted onion site for Cloned Credit Card. \$2000/\$5000 balance available.
- [EasyCoin](#) - Bitcoin Wallet with free Bitcoin Mixer.
- [Black&White Cards](#) - Black&White Cards - High Quality Pre-Paid Debit Cards with PIN. Good Customer Service. Best Deals.
- [Real currency](#) - Finest bills on market. Passes all known tests. Random serials. Only top-notch currency.
- [The Cards World](#) - Get your Financial Freedom Today.
- [PP&CC Money vault](#) - 24/7 automated PayPal & Credit card shop. New stock every day. Safe cashout.
- [Prepaid Cards](#) - Oldest seller on old HW. Fresh stock. 99.9% safe. Worldwide cashout! Express shipping. Escrow.
- [Horizon Store](#) - Automated carding store. Fast replies. 90% cards are valid.
- [Queens Cash](#) - Buy Pre-Shredded USD & EURO Currency for a fraction of the value. WE SELL REAL CASH.

- 22.7 [Japanese / 日本語](#)
- 22.8 [Korean / 한국어](#)
- 22.9 [Chinese / 中国語](#)
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EL PRESENTE DE LA AUDITORÍA DEL FUTURO



Commercial Services

- [Guns Dark Market](#) - Guns market to buy guns, full auto assault rifles, pistols, grenade launchers, etc.
- [Counterfeiting Center](#) - A Store to buy passports, idcards, credit cards, offshore bank accounts, counterfeits money.
- [CStore - The original CardedStore](#) - Electronics purchased with carded giftcards, Everything Brand new. Full escrow accepted
- [Apple Palace](#) - low priced Apple Products!
- [Gold & Diamonds](#) - Genuine Gold, Diamonds and Rhino Horn shipped from Germany and USA.
- [Football Money](#) - Fixed football games info.
- [HackingTeam](#) - Hacking as a Service Team.
- [EuroGuns](#) - Your #1 european arms dealer.
- [USfakeIDs](#) - High quality USA Fake Drivers Licenses.
- [Fake Passport ID sale](#) - Website selling qualitative EU/US/AUS/CAN fake passports, ID cards and driver's licenses.
- [Samsungstore](#) - Samsung tablets, smartphones, notebooks with escrow.
- [Kamagra for Bitcoin](#) - Same as Viagra but cheaper!
- [Apples4Bitcoin](#) - Cheap Apple products for Bitcoin.
- [Onion Identity Services](#) - Selling Passports and ID-Cards for Bitcoins.
- [Bankors](#) - Cloned/Prepaid Credit Cards and Money Transfers via PayPal or Western Union Service Since 2015
- [Helix Light](#) - Bitcoins Mixer, Completely Anonymize Your Bitcoins Before You Purchase. Since 2011.
- [Apple World](#) - Carded iPhones, iPads, Macbooks, iMacs and consoles shipping worldwide.
- [Amazon cards](#) - Bring dreams to reality with these amazing Amazon gift cards.
- [Mobile Store](#) - Factory unlocked iphones and other smartphones.
- [Cards](#) - Credit cards with high balance
- [Low Balance CC's](#) - Get cheap low balance cards
- [Bitcoin Fortune](#) - Buy New Bitcoin Miners at a discount
- [EasyPayPal](#) - Trusted PayPal onion shop with big history. Good prices
- [VulkanMix](#) - Anonymous Bitcoin Mixer. Powerful Functionality. Perfect Accuracy. Fastest Mixing Service. 1-4% Service Fee
- [CryptoMixer](#) - Top-trusted Bitcoin mixing service. Built from the ground up with security, simplicity and speed in mind.

Got some new sites to recommend? [Click here](#) to propose it to the Hidden Wiki.

Domain Services

- [OnionName](#) - Choose your desired domain name prefix, and order the .onion domain, starting from 0.45 mBTC for 8 letters.

Anonymity & Security

- [Fake ID Generator](#) - Fake Identity Name, SSN, Driver's License, and Credit Card Numbers Generator
- [BrowsInfo](#) - Check your anonymity and browser traceability

EL PRESENTE DE LA AUDITORÍA DEL FUTURO



PayPal™



Transfer Card balance to your wallet BTC



Description:

Transfer Card balance to your wallet BTC

Transfer PayPal balance to your wallet BTC

VISA PREPAID CARDS



Description:

1 CARD

\$150

Packages are packed in anti X-RAY and anti magnetic field foil

Balance per card: 2700\$

Transaction limit: unlimited

Discount: 0%

////////////////////////////////////

5 CARDS

\$650

Packages are packed in anti X-RAY and anti magnetic field foil

Balance per card: 3000\$

Transaction limit: unlimited

Discount: 12%

////////////////////////////////////

10 CARDS

\$1000

Packages are packed in anti X-RAY and anti magnetic field foil

Balance per card: 3300\$

Transaction limit: unlimited

Discount: 24%

EL PRESENTE DE LA AUDITORÍA DEL FUTURO



NEED MONEY ?

Description:

ORIGINAL CREDITCARDCENTER SINCE 2016

PREPAID VISA / MASTERCARD — WW SHIPPING — UPS DELIVERY

WESTERN UNION & PAYPAL MONEYTRANSFER WITHIN 2 HOURS

ESCROW PAYMENT AVAILABLE

Price: 0.0169



Credit Card



Description:

We sell physical and virtual credit cards worldwide.
Here are our prices:

Physical Cards:



We deliver the order tracker when sending the cloned credit card.

Price table:

Card	Price
USA/EU — Visa — 1,000 \$ Balance	80 \$ = 0.017 BTC
USA/EU — Visa — 2,500 \$ Balance	160 \$ = 0.034 BTC

EL PRESENTE DE LA AUDITORÍA DEL FUTURO



Card	Price
USA/EU — Visa — 1,000 \$ Balance	80 \$ = 0.017 BTC
USA/EU — Visa — 2,500 \$ Balance	160 \$ = 0.034 BTC
USA/EU — Visa — 5,000 \$ Balance	310 \$ = 0.066 BTC
USA/EU — Visa — 8,000 \$ Balance	570 \$ = 0.12 BTC
USA/EU — Visa — 10,000 \$ Balance	690 \$ = 0.15 BTC

Virtual Cards:

Purchase method:

When you request a virtual card, you will be sent censored credit card information. As soon as you have sent the money we will send you the uncensored data of the credit card.

You can choose the nationality of the credit card before purchasing.

If requested together with your credit card you will be given a free guide explaining how to make cash out and how to buy in online stores with the cc you bought.

Refound:

You will be reimbursed only if the credit card you bought is dead or if the balance contained in it is not present in the range of the price table.

Price table:

Card	Price
500 \$ up to 5,000 \$ Balance	40 \$ = 0.0086 BTC
100 \$ up to 1,000 \$ Balance	25 \$ = 0.0054 BTC
100 \$ up to 500 \$ Balance	18 \$ = 0.0039 BTC
50 \$ up to 300 \$ Balance	15 \$ = 0.0032 BTC
50 \$ up to 100 \$ Balance	7 \$ = 0.0015 BTC

EL PRESENTE DE LA AUDITORÍA DEL FUTURO



Prepaid debit Visa | MasterCard with a limit of 2500



Description:

The sale of the real debit cards:

All our cards come with instructions. You can use them in any online store, in ATMs and shops around the world. Our cards of Europe and America. Shipping to WORLDWIDE.

IMPORTANT NOTE: please don't place a order — If you can't pay and we should send you a credit card or make a transfer for free and after that you will pay us. We don't do that! So don't ask! For your security we offer a refund money 100%!

Price: 99\$

Credit Card



Description:

We've been in this business for a couple of years now.
We sell virtual and physical credit cards with a **good balance**.

Virtual credit cards:

Together with the CC you will receive a guide that will explain step by step **how to empty it**.
We sell cards:

MasterCard
Visa

Refund:

We only reimburse one time, and only if the balance is lower than what you read in the price table.

Cards format

Card number | exp | cvv | billing

Price table:

Credit Card Random Balance (50 \$ up to 5,000 \$)	>	28 \$ = 0.0049 B
Credit Card (500 \$ up to 5,000 \$)	>	35 \$ = 0.0061 B
Credit Card (100 \$ up to 1,000 \$)	>	27 \$ = 0.0047 B
Credit Card (100 \$ up to 500 \$)	>	18 \$ = 0.0031 B
Credit Card (50 \$ up to 300 \$)	>	15 \$ = 0.0026 B
Credit Card (50 \$ up to 100 \$)	>	10 \$ = 0.0018 B



LAVADO DE DINERO SUDAMÉRICA



Description:

Soy un experto en gestión de finanzas y administración de capital global.

Hago proyectos de mediano y largo plazo para lavar millones mensualmente.

Puedo poner el dinero completamente blanqueado en cualquier parte del mundo desde Brasil y países fronterizos.

Incluso puedo internalizar de vuelta el dinero en su país de origen completamente blanqueado.

Extremadamente eficiente e irrastreadable.



CHOOSE BANK ACCOUNTS:

All European accounts are with TAN-codes!

BANK	ACCOUNT TYPE	QUANTITY	BALANCE	PRICE	ORDER
Bank of America	Personal	7 accounts	≈ 13K USD TOTAL	0.0845 B	BUY NOW
Bank of America	Business	1 account	18381.32 USD	0.0422 B	BUY NOW
JPMorgan Chase	Personal	3 accounts	≈ 7.5K USD TOTAL	0.0333 B	BUY NOW
HSBC	Personal	5 accounts	≈ 24K GBR TOTAL	0.1479 B	BUY NOW
Royal Bank of Scotland	Personal	2 accounts	≈ 3.5K GBP TOTAL	0.0219 B	BUY NOW
Barclays	Personal	3 accounts	≈ 8K GBR TOTAL	0.0472 B	BUY NOW
Deutsche Bank	Business	9 accounts	≈ 31K EUR TOTAL	0.1963 B	BUY NOW
Groupe BPCE	Personal	5 accounts	≈ 17K EUR TOTAL	0.1094 B	BUY NOW
I&C Bank of China	Personal	13 accounts	≈ 150K CNY TOTAL	0.0795 B	BUY NOW
Banco Santander	Personal	14 accounts	≈ 6.5K EUR TOTAL	0.0398 B	BUY NOW
UniCredit (IT)	Personal	22 accounts	≈ 29K EUR TOTAL	0.169 B	BUY NOW
Wells Fargo	Personal	7 accounts	≈ 14K USD TOTAL	0.0646 B	BUY NOW
Intesa Sanpaolo	Personal	12 accounts	≈ 23K EUR TOTAL	0.1292 B	BUY NOW
Danske Bank	Personal	3 accounts	≈ 62K DKK TOTAL	0.0572 B	BUY NOW
DZ Bank	Personal	8 accounts	≈ 34K EUR TOTAL	0.1342 B	BUY NOW
Hypo Real Estate Holding	Personal	11 accounts	≈ 18K EUR TOTAL	0.077 B	BUY NOW

EL PRESENTE DE LA AUDITORÍA DEL FUTURO



TRACK CODE 201	2	<u>532384</u>	MASTERCARD GOLD	Yes	ARG CREDIT	USA, NY	BANK FIRST DATA CONO SUR S.R.L. BASE ny#23	\$ 65	1	BUY NOW
TRACK CODE 221	1+2	<u>451766</u>	VISA CLASSIC	No	ARG DEBIT	USA, IN, Mishawaka, 46545	BANK BANCO SANTANDER RIO, S.A. BASE MILLION BREACH - PART 267	\$ 86.52	1	BUY NOW
TRACK CODE 201	2	<u>405071</u>	VISA PLATINUM	Yes	ARG CREDIT	USA, NY, New York, 10018	BANK BANCO SANTANDER RIO, S.A. BASE MILLION BREACH - PART 265	\$ 88.57	1	BUY NOW
TRACK CODE 121	2	<u>439818</u>	VISA CLASSIC	Yes	ARG DEBIT	USA, NY	BANK BANCO DE LA PROVINCIA DE BUENOS AIRES BASE ny_brooklyn#68	\$ 80	1	BUY NOW
TRACK CODE 201	2	<u>454642</u>	VISA GOLD	Yes	ARG CREDIT	USA, FL	BANK BANCO DE GALICIA Y BUENOS AIRES BASE 4_Hotels#2	\$ 89.05	1	BUY NOW
TRACK CODE 201	1+2	<u>554288</u>	MASTERCARD UNKNOWN	Yes	ARG CREDIT	USA, WA	BANK UNKNOWN BASE 4_Hotels#2	\$ 50	1	BUY NOW
TRACK CODE 201	2	<u>402918</u>	VISA CLASSIC	Yes	ARG CREDIT	USA, FL	BANK BANCO DE GALICIA Y BUENOS AIRES, S.A. BASE 4_Hotels#2	\$ 72.5	1	BUY NOW
TRACK CODE	2	<u>439818</u>	VISA CLASSIC	Yes	ARG DEBIT	USA, FL	BANK BANCO DE LA PROVINCIA DE BUENOS AIRES	\$ 80	1	BUY NOW

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TRACK CODE 201	<u>454642</u>	VISA GOLD	Yes	ARG CREDIT	USA, CA	BANK BANCO DE GALICIA Y BUENOS AIRES BASE 2_Hotels#2	\$ 89.05	1	BUY NOW
TRACK CODE 221	<u>451765</u>	VISA CLASSIC	Yes	ARG DEBIT	USA, CA	BANK BBVA BANCO FRANCES, S.A. BASE 2_Hotels#2	\$ 79.3	1	BUY NOW
TRACK CODE 201	<u>433831</u>	VISA PLATINUM	Yes	ARG CREDIT	USA, CA	BANK BBVA BANCO FRANCES, S.A. BASE 2_Hotels#2	\$ 113.59	1	BUY NOW
TRACK CODE 221	<u>442548</u>	VISA CLASSIC	Yes	ARG DEBIT	USA, CA	BANK UNKNOWN BASE 2_Hotels#2	\$ 64.5	1	BUY NOW
TRACK CODE 201	<u>493715</u>	VISA BUSINESS	Yes	ARG CREDIT	USA, CA	BANK BBVA BANCO FRANCES, S.A. BASE 1_Hotels#2	\$ 115.5	1	BUY NOW
TRACK CODE 201	<u>405071</u>	VISA PLATINUM	Yes	ARG CREDIT	USA, CA	BANK BANCO SANTANDER RIO, S.A. BASE 1_Hotels#2	\$ 88.57	1	BUY NOW
TRACK CODE 201	<u>470455</u>	VISA SIGNATURE	Yes	ARG CREDIT	USA, FL	BANK UNKNOWN BASE 1_Hotels#2	\$ 93.09	1	BUY NOW
TRACK CODE 121	<u>451769</u>	VISA CLASSIC	Yes	ARG DEBIT	USA, CA	BANK BANCO DE GALICIA Y BUENOS AIRES, S.A. BASE 1_Hotels#2	\$ 80	2	BUY NOW <input type="text" value="1"/>

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121		BASE 1_Hotels#2													
TRACK CODE	201	2	<u>466057</u>	VISA SIGNATURE	Yes	ARG CREDIT	USA, CA	BANK UNKNOWN	\$ 60.9	2	BUY NOW	-	1	+	
		BASE 1_Hotels#2													
TRACK CODE	121	2	<u>451772</u>	VISA CLASSIC	Yes	ARG DEBIT	USA, CA	BANK BANCO SUPERVIELLE, S.A.	\$ 80	1	BUY NOW				
TRACK CODE	201	2	<u>466057</u>	VISA SIGNATURE	Yes	ARG CREDIT	USA, FL	BANK UNKNOWN	\$ 60.9	1	BUY NOW				
		BASE 1_Hotels#2													
TRACK CODE	201	2	<u>377797</u>	AMERICAN EXPRESS UNKNOWN	Yes	ARG CREDIT	USA, CA	BANK AMERICAN EXPRESS	\$ 40	1	BUY NOW				
		BASE usa#23													
TRACK CODE	201	2	<u>376458</u>	AMERICAN EXPRESS UNKNOWN	Yes	ARG CREDIT	USA, NY, New York, 10018	BANK AMERICAN EXPRESS	\$ 36.4	1	BUY NOW				
		BASE MILLION BREACH - PART 250													
TRACK CODE	221	2	<u>451751</u>	VISA CLASSIC	Yes	ARG DEBIT	USA, NY	BANK ICBC ARGENTINA	\$ 62.5	1	BUY NOW				
		BASE Us_NY#23													
TRACK CODE	201	2	<u>376418</u>	AMERICAN EXPRESS UNKNOWN	Yes	ARG CREDIT	USA, NY	BANK AMERICAN EXPRESS	\$ 64.96	1	BUY NOW				
		BASE Us_NY#23													
TRACK CODE	1+2		<u>377792</u>	AMERICAN EXPRESS UNKNOWN	Yes	ARG CREDIT	USA, --	BANK SANTANDER RIO	\$ 78	1	BUY NOW				
		BASE dumps2#9													

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TRACK CODE 221	2	<u>451764</u>	VISA ELECTRON	Yes	ARG DEBIT	---	--	BANK BASE	BANCO MACRO BANSUD, S.A. 2_MIX_DUMP#100	\$ 50	1	BUY NOW	
TRACK CODE 201	2	<u>450994</u>	VISA GOLD	Yes	ARG CREDIT	---	--	BANK BASE	BANCO PATAGONIA 2_MIX_DUMP#100	\$ 65	1	BUY NOW	
TRACK CODE 201	2	<u>469771</u>	VISA SIGNATURE	Yes	ARG CREDIT	---	--	BANK BASE	UNKNOWN 2_MIX_DUMP#100	\$ 61.95	1	BUY NOW	
TRACK CODE 201	2	<u>459354</u>	VISA SIGNATURE	Yes	ARG CREDIT	---	--	BANK BASE	UNKNOWN 2_MIX_DUMP#100	\$ 66.5	3	BUY NOW	- <input type="text" value="1"/> +
TRACK CODE 121	2	<u>451766</u>	VISA CLASSIC	Yes	ARG DEBIT	---	--	BANK BASE	BANCO SANTANDER RIO, S.A. 2_MIX_DUMP#100	\$ 138.43	1	BUY NOW	
TRACK CODE 201	2	<u>470455</u>	VISA SIGNATURE	Yes	ARG CREDIT	---	--	BANK BASE	UNKNOWN 2_MIX_DUMP#100	\$ 93.09	1	BUY NOW	
TRACK CODE 201	2	<u>376454</u>	AMERICAN EXPRESS UNKNOWN	Yes	ARG CREDIT	---	--	BANK BASE	AMERICAN EXPRESS 2_MIX_DUMP#100	\$ 37.6	1	BUY NOW	
TRACK CODE 201	2	<u>454659</u>	VISA GOLD	Yes	ARG CREDIT	---	--	BANK BASE	ICBC ARGENTINA 1_MIX_DUMP#100	\$ 84.5	1	BUY NOW	



The Onion Router (TOR)

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How Tor Works: 1

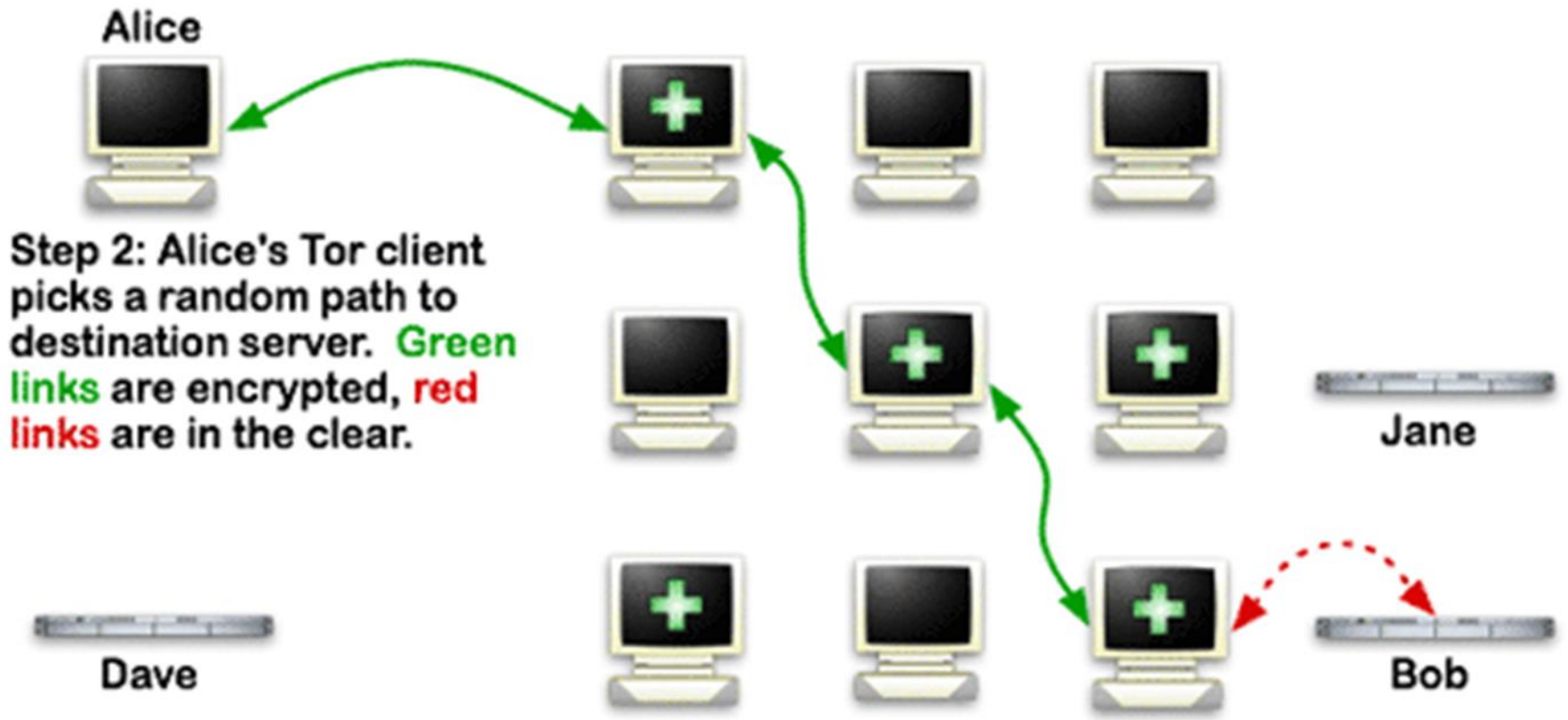
 Tor node
 unencrypted link
 encrypted link



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How Tor Works: 2



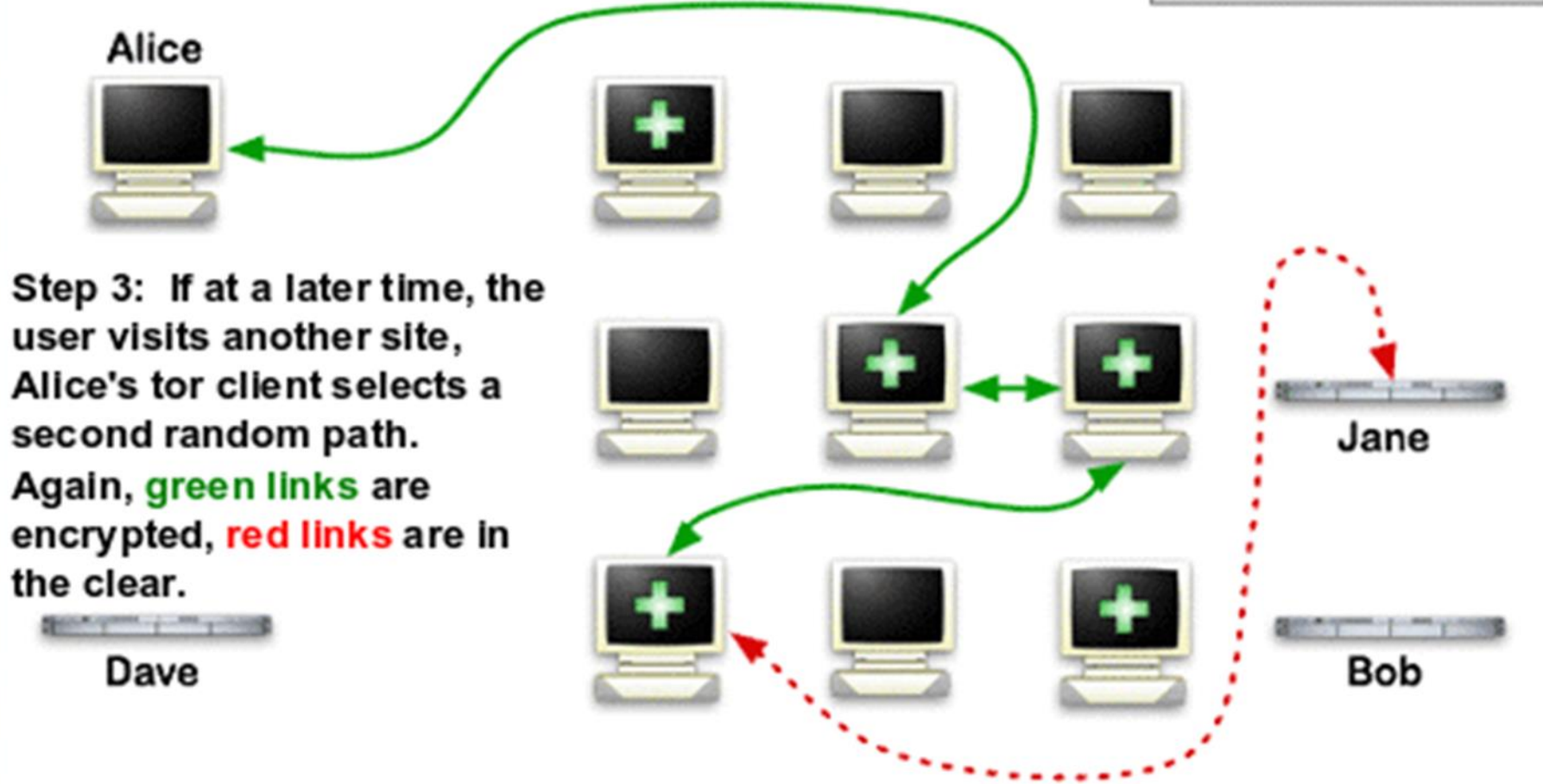
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How Tor Works: 3

Legend:

- Tor node
- unencrypted link
- encrypted link



Step 3: If at a later time, the user visits another site, Alice's tor client selects a second random path. Again, **green links** are encrypted, **red links** are in the clear.

Dave

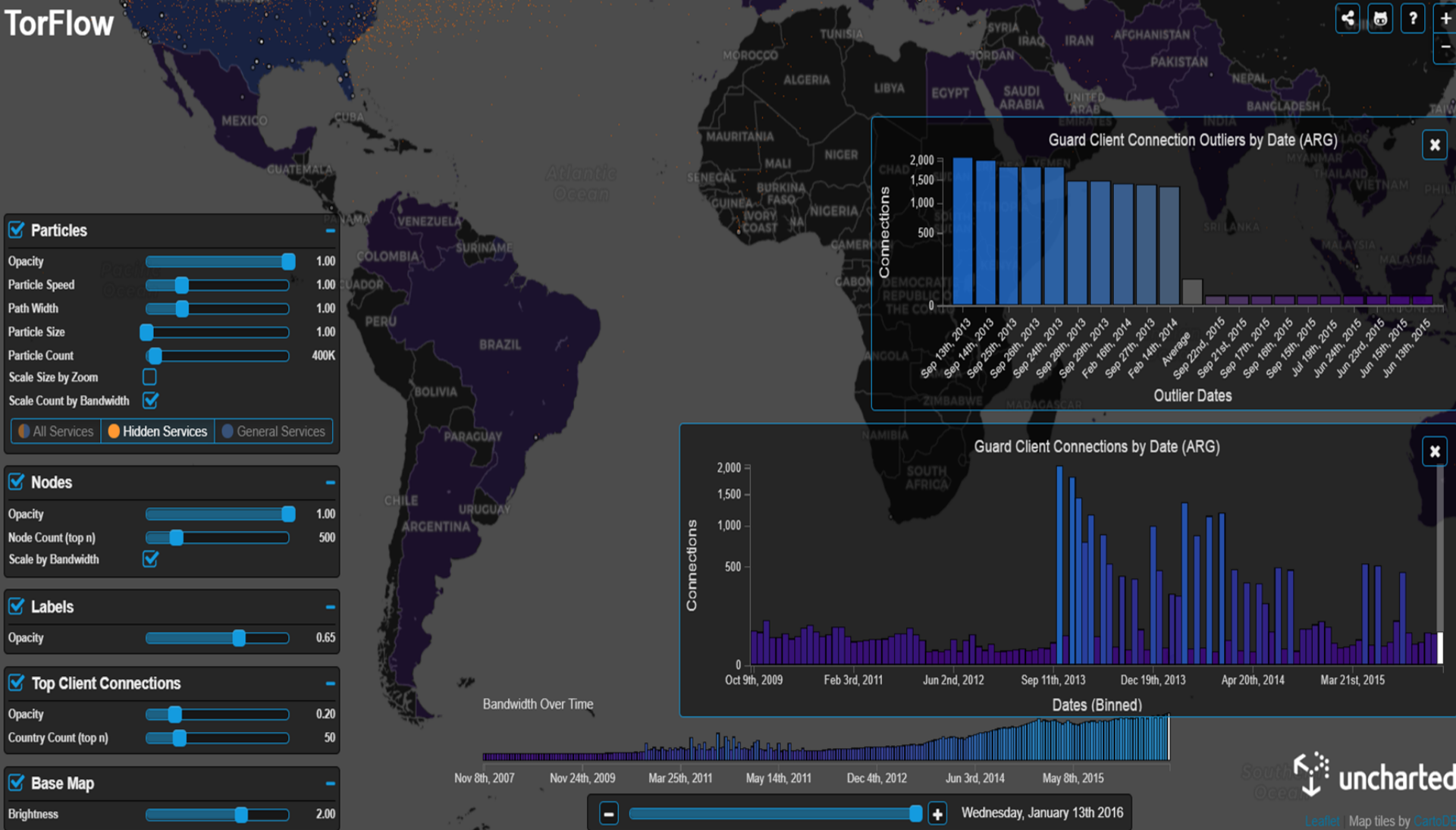
Jane

Bob

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TorFlow



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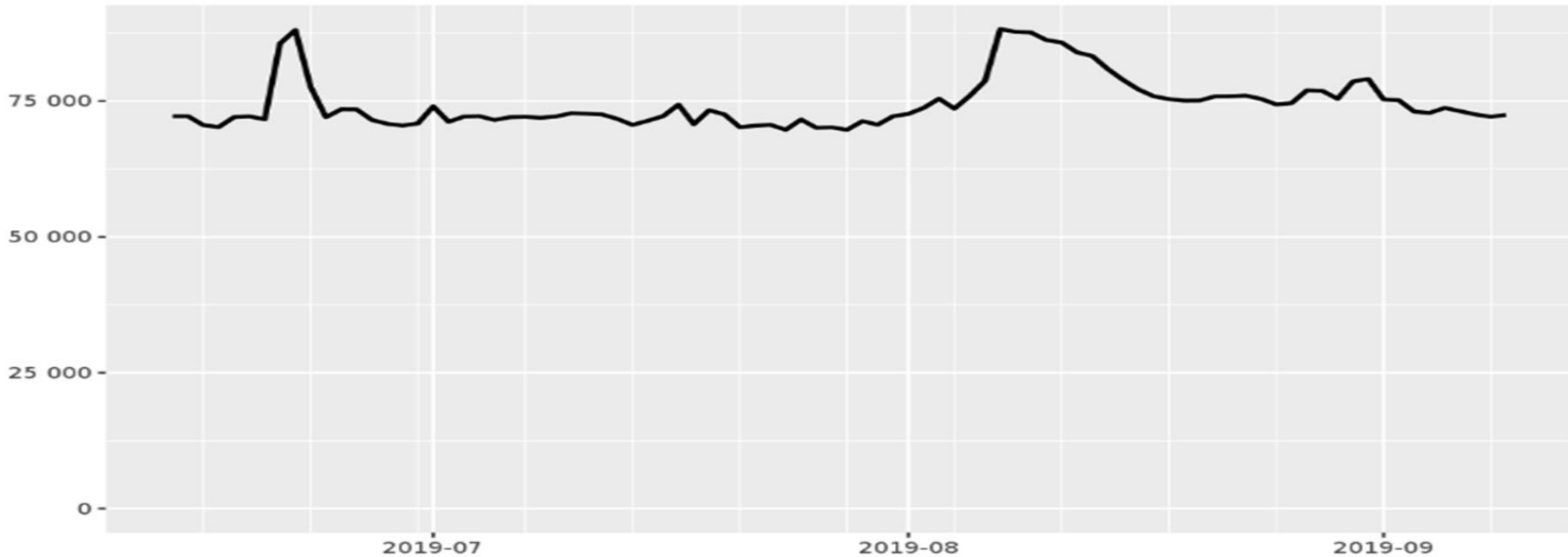
Onion Services

Onion services are services that are only accessible via the Tor network.

Unique .onion addresses (version 2 only)

Onion-service traffic (versions 2 and 3)

Unique .onion addresses



The Tor Project - <https://metrics.torproject.org/>



Users

We estimate the number of users by analyzing the requests induced by clients to relays and bridges.

Relay users

Bridge users by country

Bridge users by transport

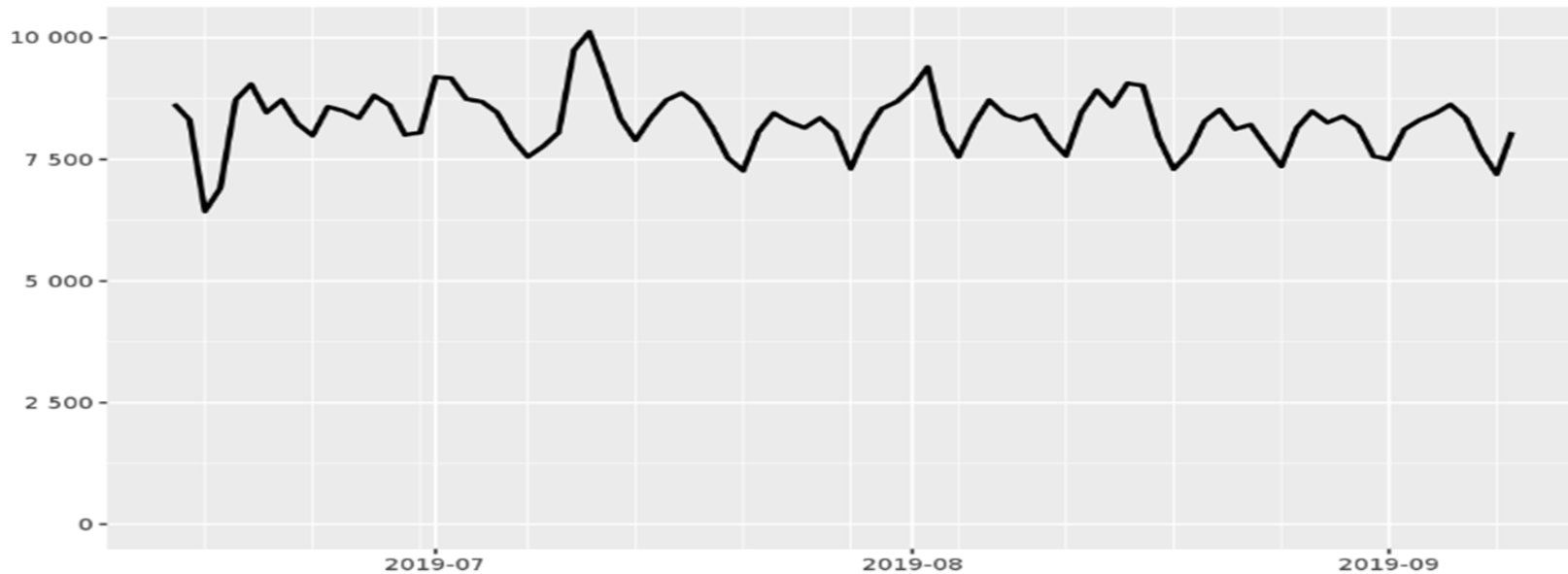
Bridge users by country

Top-10 countries by relay users

Top-10 countries by possible censorship events

Top-10 co

Directly connecting users from Argentina



The Tor Project - <https://metrics.torproject.org/>



Hackers publish personal data on thousands of US police officers and federal agents

Zack Whittaker @zackwhittaker / 9:16 pm -03 • April 12, 2019

Comment



<https://techcrunch.com/2019/04/12/police-data-hack/>



Muchas gracias por su atención. Preguntas?

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