

Security as a community healthcare: helping small non-profit organisations stay (slightly more) secure



HARAGE HALL

- Charity founded in 1990
- Based in London
- Defending privacy
- Fighting against corporate and government surveillance



We learnt from our mistakes...



Home

Home Donate

Home

Because of known security vulnerabilities in Drupal we have taken the decision to reimplement our website from scratch. BRB

Read more



We learn from the organisations we work with

CODING

TRANSLATING HUMAN RIGHTS
INTO CODES









OPEN DEMOCRACY ADVICE CENTRE

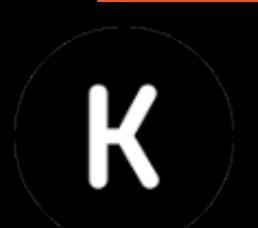
TRANSPARENCY IN ACTION











THE INTERNET SOCIETU





How Government-Grade Spy Tech Used A Fake Scandal To Dupe **Journalists**

By Ryan Gallagher













Egyptian NGOs targeted in phishing campaign

BY JOE UCHILL - 02/02/17 10:56 AM EST

20 SHARES



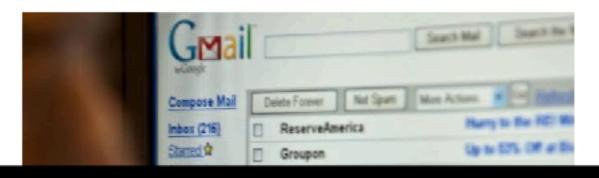


Just In...

Why consumer privacy laws should be de facto across America

OPINION - 36S AGO

Republican state senator in Kansas



Most Popular



GOP seeks separation from Trump on...

746 8HARE8

Mayores aportes provienen de fondos en Estados Unidos

Las platas extranjeras para defender el aborto y los derechos reproductivos

Fundación de Bill y Melinda Gates, así como de la escritora Isabel Allende. entre quienes hacen aportes.

Global Fund for Women US\$ 731.000 a Fondo Alquimia ara Mandujano

Por Patricio Pino M.

cálculo que el filántropo y fundador de Microsoft Bill Gates hizo en el diario británico «The Guardian» (el 13 de septiembre) es que US\$143 mil millones se destinan cada año a apoyar en todo el mundo a organizaciones dedicadas -- entre otras cosas— a planificación familiar o derechos reproductivos, sea como actividades de difusión o investigación científica.

Desde hace tres décadas, una fracción de esas divisas llega a Chile. Y parte de esos aportes han sido recepcionados Tribunal Constitucional a favor del protres causales.

está entre las que han enviado recursos.

dado en 1985, según el perfil en su web, el cabeza la chilena Lilian Sepúlveda. ICMER se dedica a estudiar la planificación familiar y salud sexual. Ese mismo perfil di- Women, creado en 1987 en California, no ce que han tenido apoyo de 10 donantes como la OMS, el Fondo de la ONU para la Población (UNFPA) y los Gates (en 2009 Bill dio USS1,25 mil millones en ayuda por el mundo, entre ellos también USS 9 millones a la Dibam). De todos ellos también es posible cuantificar el aporte del Wellcome encabezada por Carolina Carrera y en cu-Trust, fondo británico que en 1936 legó el magnate farmacéutico Henry Wellcome, que introdujo pastillas en Inglaterra.

Desde 2001 a la fecha la Asociación Chilena de Protección de la Familia (Aprofa) ha recibido en total US\$3,2 millones de la International Planned Parenthood Federation (IPPF), creada en 1952 y que en 2016 entregó USS182 millones en todo el mundo. Aprofa la encabeza la ginecóloga Carmen Alvarado y en su directiva está Ramiro 1995 por la escritora chilena en homenaje a por organizaciones que alegaron ante el Molina, creador del Centro de Medicina Reproductiva y Desarrollo Integral del yecto de interrupción del embarazo por Adolescente (Cemera) de la U. de Chile. El año pasado IPPF recibió USS130 millones La Bill & Melinda Gates Foundation en donativos: 60% de gobiernos (Suecia le dio USSI5 millones). La IPPF también ha

Aunque en 30 años el Global Fund for suma USS1 millón en donativos a seis organizaciones que actuaron ante el TC, sus aportes igual han sido amplios. En estas tres décadas ha ayudado a 90 organizaciones en Chile, sumando USS2,6 millones. Entre ellas está la Corporación Humanas, yo directorio está Kena Lorenzini, autora de un libro sobre Michelle Bachelet, miembro del Consejo Consultivo de Rompiendo el Silencio y hoy candidata al Senado por el Frente Amplio en la VII Región. Humanas alguna vez fue dirigida por Lorena Fries, actual subsecretaria de Derechos Humanos.

Con su sede en Sausalito (California). la Isabel Allende Foundation fue creada en

Fondo



Those stories reflect the diversity of threats our partners are facing: phishing attacks, sophisticated spyware, burglary...



But we also learnt from companies that really should have known better....



Don't be that guy!

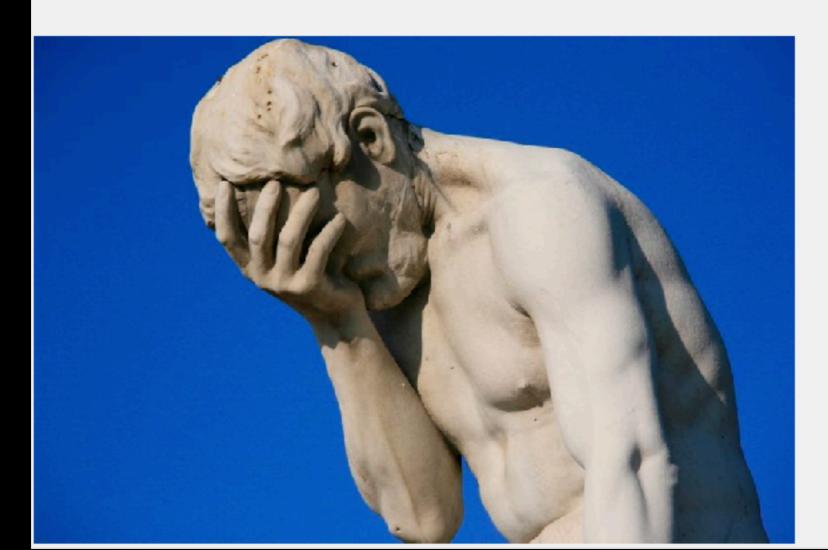


BIZ & IT —

Failure to patch two-month-old bug led to massive Equifax breach

Critical Apache Struts bug was fixed in March. In May, it bit ~143 million US consumers.

DAN GOODIN - 9/14/2017, 4:12 AM



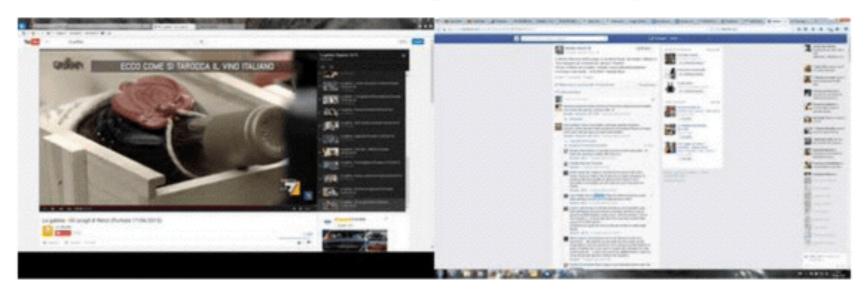








Our network security staff hard at work while 5 MB/s is transferred out of our internal network through his computer.



RETWEETS

FAVORITES

14



11:59 PM - 5 Jul 2015













What we found out when we audited our partner organisations

- Many of them relied on Google and US-based services in their organisations
- The security advice they had received so far was "use Signal, use Tor, use PGP, use strong passwords..." All focused on end-users.



So instead of focusing on end users we chose to focus on the organisations

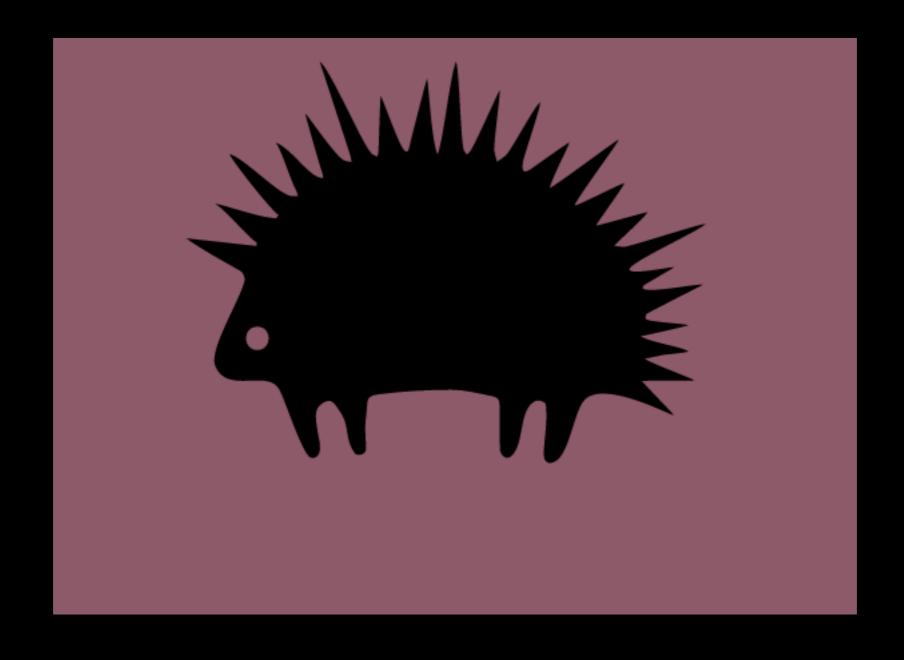


This is what led us to think of security as a community healthcare

When everyone is vaccinated, a contaminated person who comes in doesn't harm the community



This is how Thornsec was born!





So... What is Thornsec?

- A thorn in the sides of our adversaries by allowing organisations with little or no tech capability to run more secure fully-routed networks, with a strong set of firewall rules, and virtualisation of services.
- A network architecture described in a series of humanreadable unit tests



Please go and look at our code!

https://github.com/privacyint/thornsec-core



What are we trying to achieve with Thornsec?



Creating a secure network where machines can't communicate among themselves



Bringing the responsibility of security back at the top

People at the very top should be the one held responsible when the data of 145 million US citizens get leaked because of a vulnerability that wasn't patched



Regaining control over our network





How much data has left your network since this morning? In the past year? What is "normal"?



Subject [eva.office] Daily Bandwidth Digest

11/09/2018, 07:25

UL: 13M DL: 86M

As you know, one of the key advantages afforded by operating our network through Thornsec is that it monitors for uploading traffic. The reason for this is that we want to try and check for any data exfiltration from our network.

Part of this monitoring allows our router to give you a daily digest of how much you've downloaded and uploaded.

This is not a punitive email, this information is not logged, and is only sent to you, as a user. This will hopefully alert you to any strange activity coming from your device.

If you think there is something suspicious about the figures above, please forward this email to the Tech Team so they can look into it for you.

Thanks! Tech Team



Subject [eva.office] Upload bandwidth notification

29/05/2018, 12:40

To Me <eva@privacyinternational.org>☆

As you know, one of the key advantages afforded by operating our network through Thornsec is that it monitors for uploading traffic. The reason for this is that we want to try and check for any data exfiltration from our network.

Our router has noticed that you have uploaded more than 20mb in a single connection. While this may be entirely normal for you, our router is set to identify this type of activity as a potential exfiltration. That is, it's possible your computer has been compromised and data is being uploaded to an external server. (Just ask Hacking Team about that!)

Over the next little while we are going to start speed-limiting uploads which are over 20mb, and will be alerting both you and the Tech Team every time this happens.

It is important to note a couple of things: as a privacy organisation, we aren't using this to snoop on what you're up to! However, we do have a lot of sensitive data inside our network, and we will be putting some precautions in place for large uploads.

We want this to be an inclusive feedback process so that we can try and minimise false positives before starting to roll out these precautions — if you've received this email and aren't doing anything you perceive to be out of the ordinary, please let us know.

You will only receive one of these email notices per hour.

Thanks!

Tech Team



Running our own services

We use Drupal, OwnCloud, Etherpad, Redmine...



Becoming accessible to all

That's the part we are still working on...



Thank you for listening!

- Thornsec: https://github.com/privacyint/thornsec-core
- eva@privacyinternational.org
- @Arcadian_O