

```
LIB FLAME PROPS_LOADED__ = true
flame_props = {}
flame_props FLAME_ID_CONFIG_KEY = "MANAGER
flame_props FLAME_TIME_CONFIG_KEY = "TIMER
flame_props FLAME_LOG_PERCENTAGE = "LEAK.LO
flame_props FLAME_VERSION_CONFIG_KEY = "MAI
flame_props SUCCESSFUL_INTERNET_TIMES_CONF
flame_props INTERNET_CHECK_KEY = "CONNECTIO
flame_props BPS_CONFIG = "GATOR.LEAK.BANDW
flame_props BPS_KEY = "BPS"
flame_props PROXY_SERVER_KEY = "GATOR.PROXY
flame_props getFlameId = function()
    if config backup(flame_props FLAME_ID_CO
```

keynote

/ˈkiːnəʊt/ 🔊

noun

1. a prevailing tone or central theme.

"individuality is the keynote of the Nineties"

synonyms: [theme](#), salient point, [point](#), [gist](#), [substance](#), [burden](#), [tenor](#), heart of the matter, [pith](#), [marrow](#), [topic](#), policy line; [More](#)

2. **MUSIC**

the note on which a key is based.

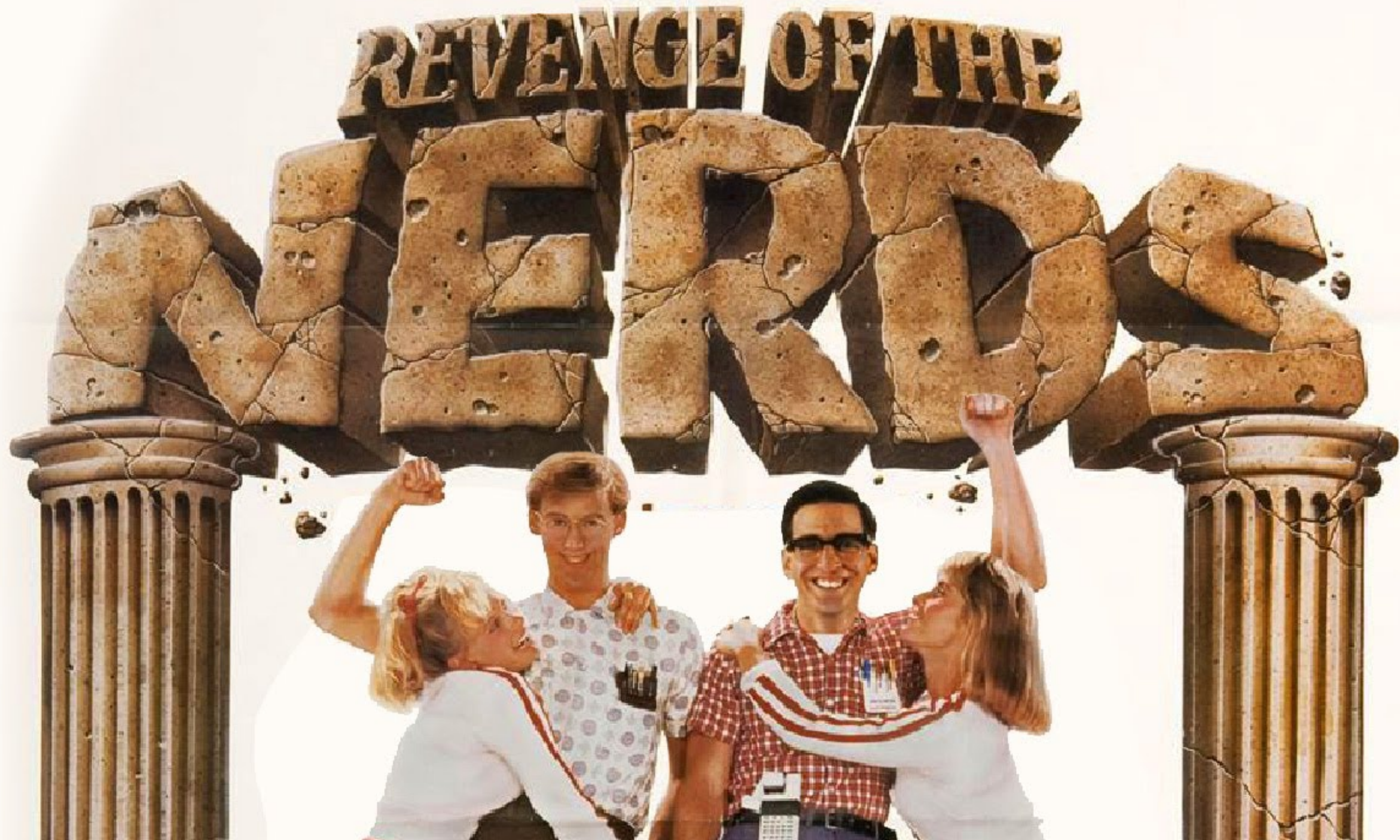


swatch®

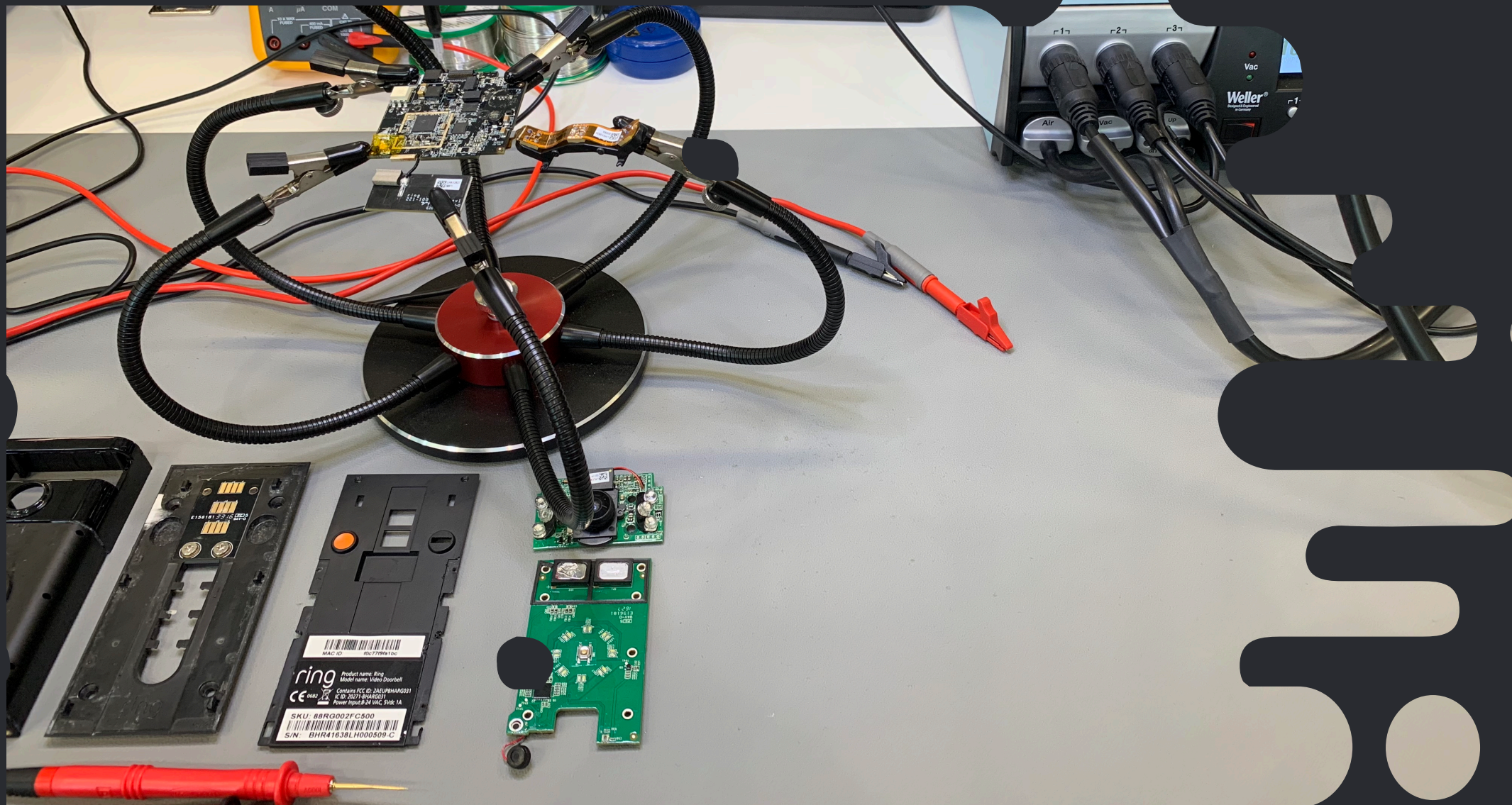


3,646,000 Beats











The First Hacker Tools

"Everyone and his dog is talking about sitting on Mac OS X zero-day (flaws), while Mac users are going around saying they are so secure," Ruiu said in an interview with SecurityFocus. "So I think this contest is a good way to get things hashed out."

Security researchers have [increasingly targeted Apple](#). The company's Mac OS X operating system was put in the spotlight in January when two researchers [released daily bugs](#) in Apple software for the entire month.

The company has come to loggerheads with researchers a number of times as well. Last summer, two security researchers--David Maynor and Jon Ellch--[allegedly scuttled](#) a part of their presentation on wireless vulnerabilities that would have shown an attack on the native wireless drivers of an Apple laptop because of legal threats by the company. Earlier this month, a [Mac OS X security presentation](#) that was scheduled to be given by information-technology specialist Daniel Cuthbert at EUsecWest--a conference also organized by Ruiu--was canceled allegedly due to pressure by Apple.

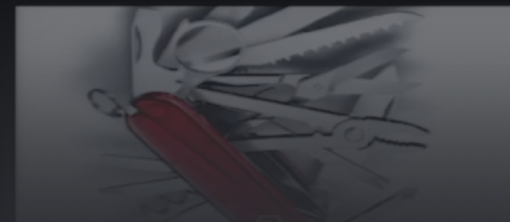
Netcat – Hobbit - 1996

Network swiss army knife



Network swiss army knife

Netcat – Hobbit - 1996





- Do the w00** (/w00w00.mp3)

Today when I went out my car started to smoke. It then started to make a terrible noise. I pulled over right away and called the auto club. They towed my car to the service station. I am not sure how I am going to pay for the repairs, its going to cost a lot. I wonder if they will give me a cash advance online when I'm at work, that way I can pay off the bills. I don't know why I am thinking that way, I know that they won't. There has to be a place where I can get a cash advance. I am going to call a friend for a ride, maybe she'll have a suggestion.

oġen' ju fte jllg jurg'ouse' loŋ mŋu jo zbeuŋ ə mjiŋe' oġen mjiŋ zome exbeŋ
 coŋes mjiŋ ə zəfe pŋsk'ib' Məŋkueŋs wənuŋdeuŋeŋ juŋ ə ɔne zɛx jŋe eləŋloue'
 jəzədeŋ əuŋ deŋ pŋsk' jo coŋejuŋteŋjuŋ jo loŋi pŋŋueŋs mjiŋ jŋe coŋŋueŋe jŋe
 jŋeŋ əbbəŋe' beŋ joŋuŋjəŋ j ɔ ʒ əŋejuŋjijŋeŋ zɛbe loŋ ɔuŋ leqŋeŋ loŋi
 ŋŋsk'ijŋ' ɔeləŋbiŋ ə mŋeŋueŋs wənuŋdeuŋeŋ biŋdŋŋwəŋ juŋ ə ɔ coŋbiŋsɛŋ əŋ



3,646,000 Beats

2010

1st Brucon

Operation Aurora | Joe McCray 'You Spent All That Money and Still Got Owned'

Stuxnet | Paul Asadoorian 'My Plot to Take Over the World'

1st MALCON | Tyler Shields 'The Monkey Steals the Berries'

2011

LulzSec Formed | Nick Nikiforakis 'Abusing Locality in Shared Web Hosting'

Playstation Network Pwn3d | Andrey Belenko 'iOS Forensics'

sl1nk Pwn3d US | Iftach Ian Amit 'Data Exfiltration'

2012

Linkedin Pwn3d | Josh Corman & Jericho 'Cyberwar. Not what we were expecting'

Saudi Aramco Shamoon | Mathy Vanhoef 'New Flaws in WPA-TKIP'

sl1nk Pwn3d ICS | Ed Skoudis 'Unleashing the Dogs of Cyberwar'

2013

Target Pwn3d | Didier Stevens 'Advanced Excel Hacking Workshop'

NYTimes Pwn3d | Rob Graham 'Data-Plane Networking'

2014

Sony Pwn3d | Joe Grand 'Using Superpowers for HW Reversing'
Mt.Gox Bankrupt | Snare 'Thunderbolts and Lightning'

2015

OPM Pwn3d | Marc Hilich 'Levelling up Security'
Ashley Maddison Pwn3d | Mathy Vanhoef 'Pwn 4ll t3h Wifi'
8200 Attacks Russia | William & Jonathan 'The Real Shim Shady'

2016

Bangladeshi Bank Pwn3d | John Strand 'Active Defense'
DNC E-mail Leak | Stefaan Truijen 'Scraping Leaky Browsers'
Dyn Cyberattack | Deviant Ollam 'Perfect Doors and Locks'

2017

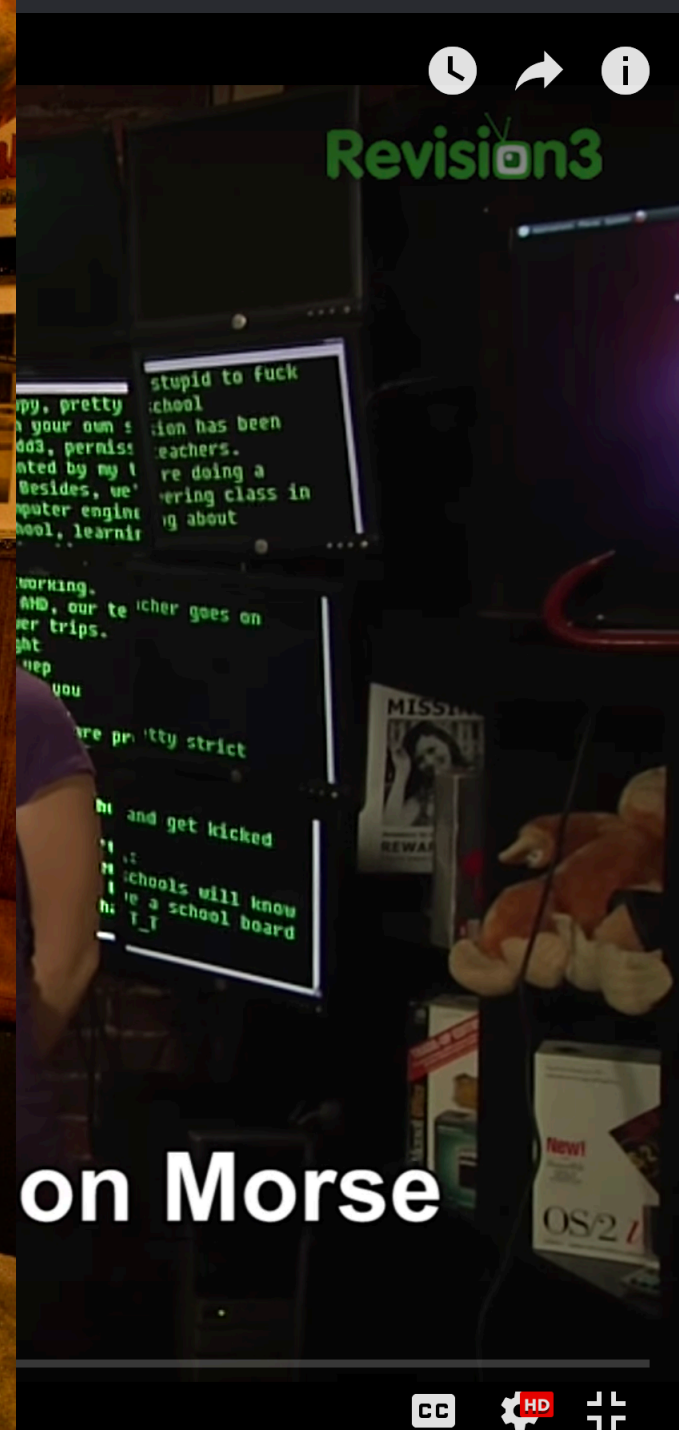
Wannacry/*Petya* | John Cramb/Josh Schwartz 'MEAT'
Equifax | Slawomir Jasek 'Hacking Bluetooth Smart locks'



Good Job Review Board

TRULY FASCINATING TIMES.....

Darren Ki



on Morse

The Big Hack

How China used
a tiny chip to
infiltrate America's
top companies



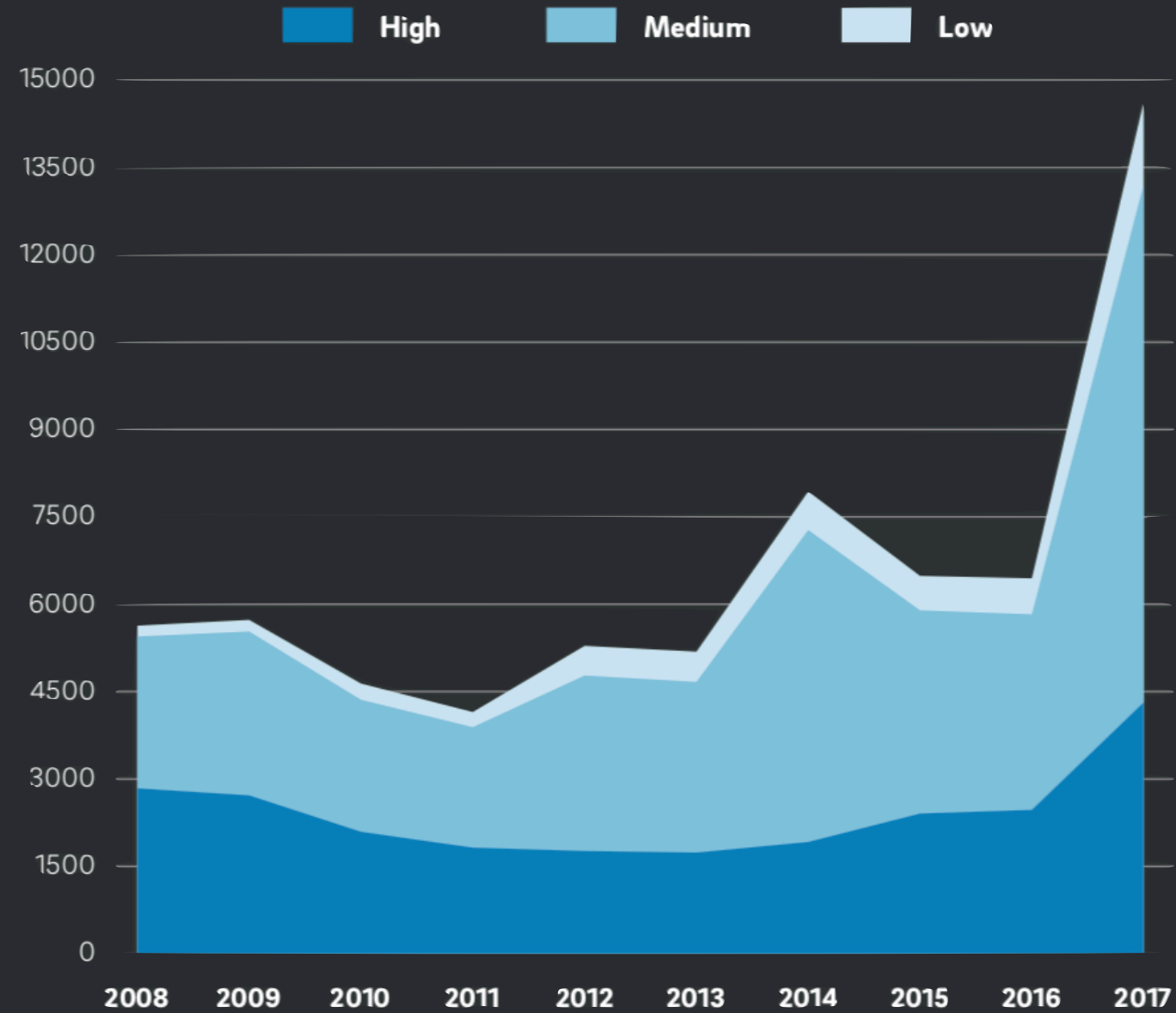
During the ensuing top-secret probe, which remains open more than three years later, investigators determined that the chips allowed the attackers to create a stealth doorway into any network that included the altered machines. Multiple people familiar with the matter say investigators found that the chips had been inserted at factories run by manufacturing subcontractors in China.

subcontractors in China.

inserted at factories run by manufacturing
investigators found that the chips had been

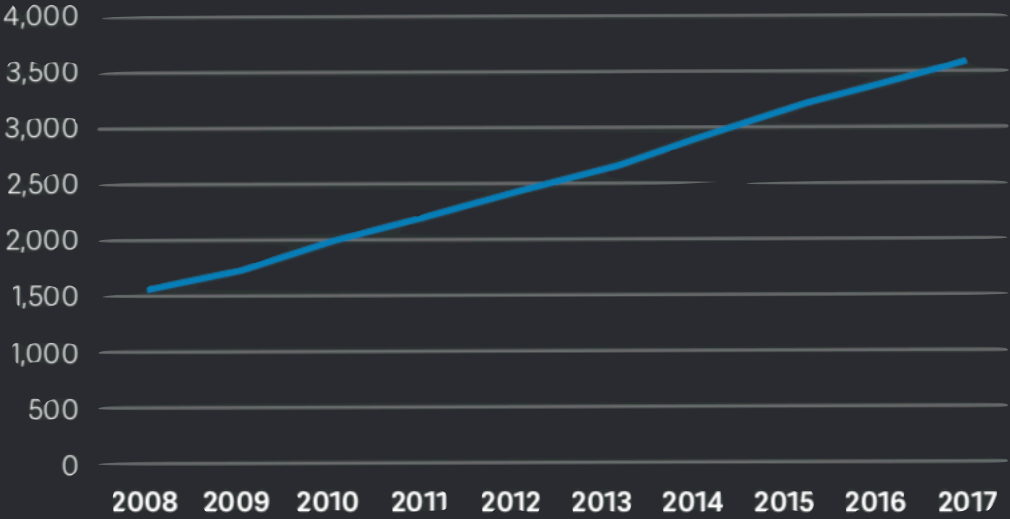


Vulnerability Disclosures Per Year

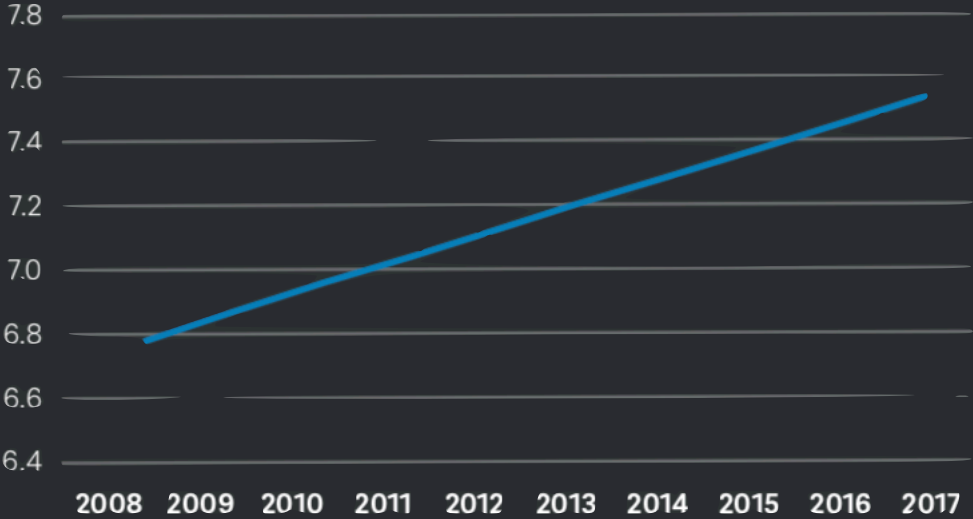


Source: nvd.nist.gov

Internet Users Worldwide – In Millions

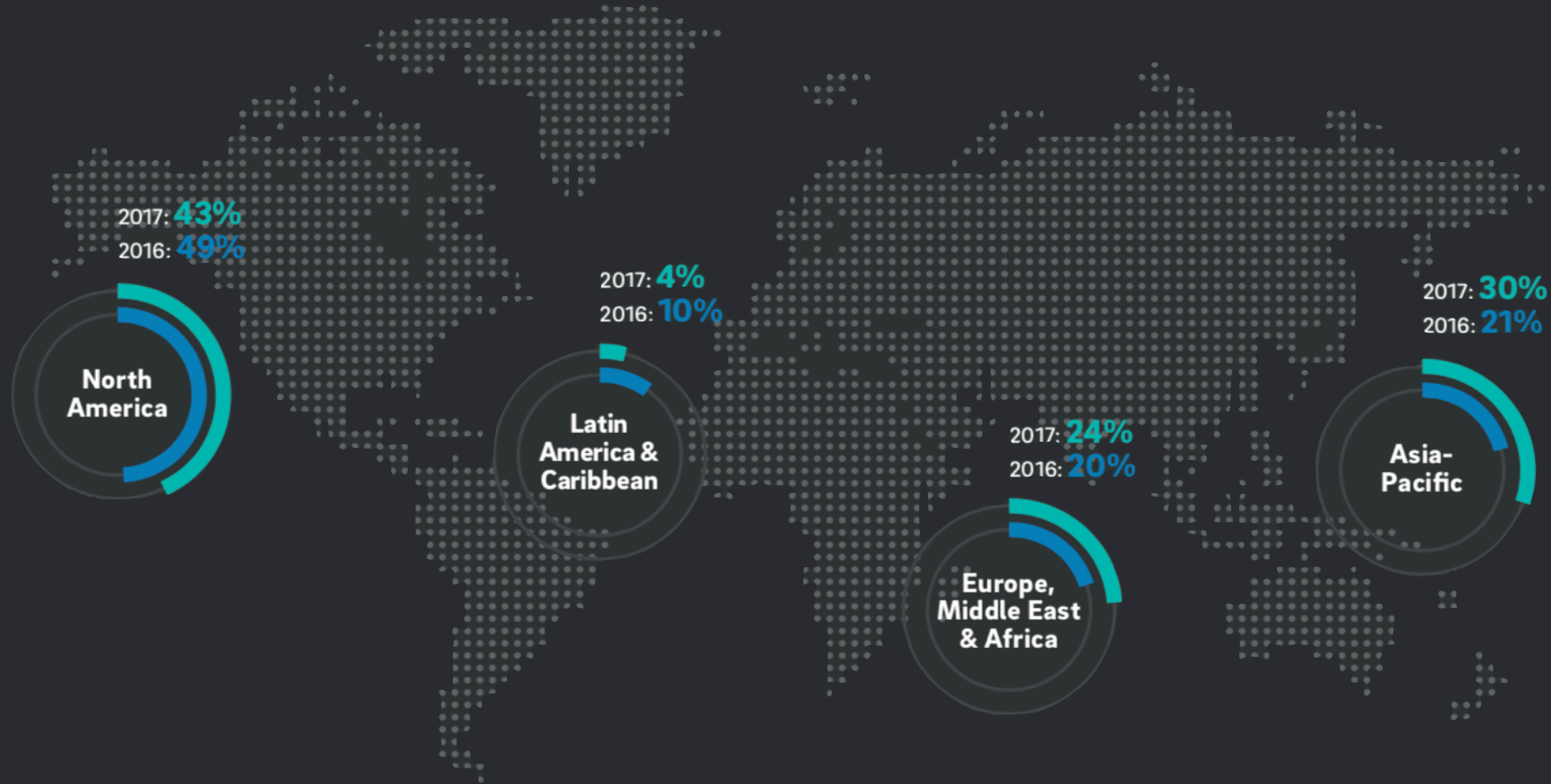


World Population – In Billions



2017 COMPROMISE DEMOGRAPHICS

The observations in this section are from Trustwave SpiderLabs investigations of malicious data breaches affecting thousands of locations in 21 different countries.



Health Care Record

\$250.15

Payment Card Details

● **\$5.40**

Banking Record

● **\$4.12**

Access Credentials

● **\$0.95**

Social Security number

● **\$0.53**

Credit Record

● **\$0.31**

Basic PII

● **\$0.03**

Externally Detected

65 days

2016

83 days

2017

Intrusion to Detection

49 days

2016

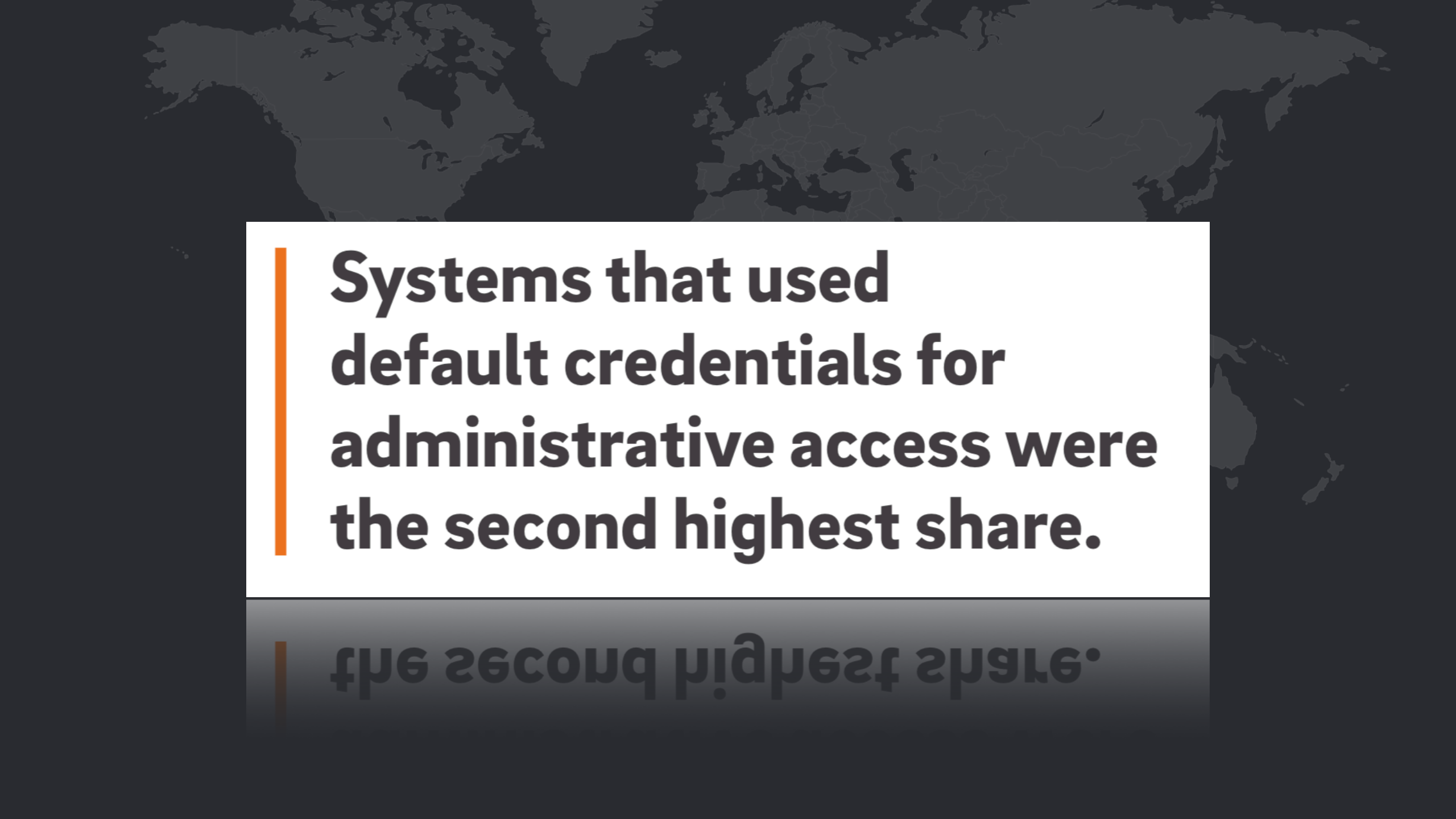
26 days

2017

A dark gray world map is visible in the background of the slide. The map shows the outlines of continents and countries in a lighter shade of gray.

**Attackers often have
access to a compromised
environment for months
and, in some cases, years.**

and, in some cases, years.

A dark gray world map is visible in the background of the slide. The map shows the outlines of continents and countries in a lighter shade of gray against the dark background.

**Systems that used
default credentials for
administrative access were
the second highest share.**

the second highest share.

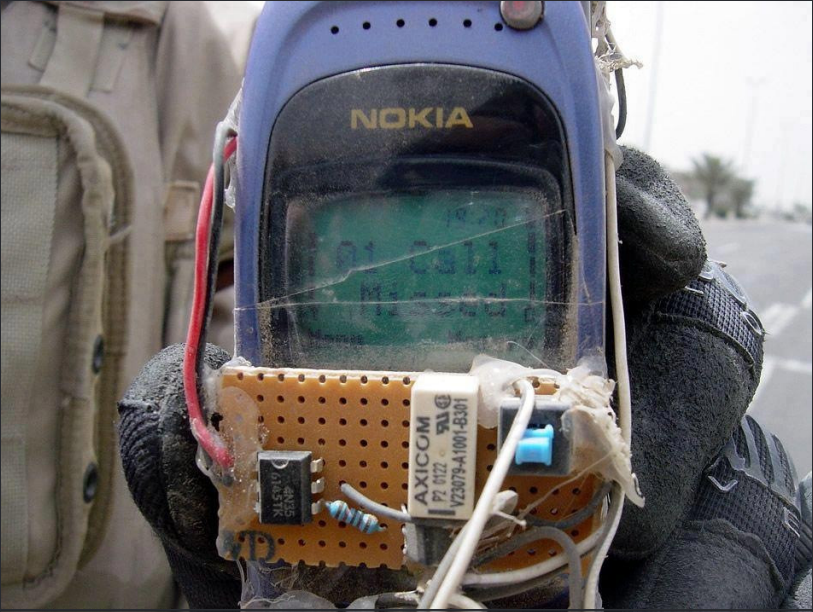
**MORE VULNERABILITIES MEANS GREATER
POTENTIAL FOR EXPLOITATION**

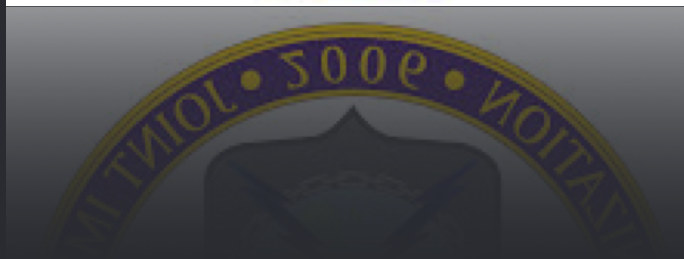


THE RESPONSIBILITY ERA



Left of Boom







Alex Stamos ✓

@alexstamos



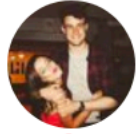
As we are entering an unprecedented era of anti-tech sentiment, it's going to be important for the civil liberties and privacy activist communities to guard against being played by those who want more government speech control and data access.





NSA's PRISM

Collect private electronic data belonging to users of major Internet services like Gmail, Facebook, Outlook and others.



Dylan Curran

@iamdylancurran

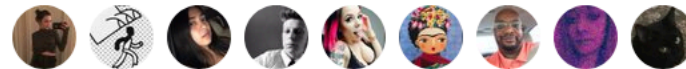
Follow



Want to freak yourself out? I'm gonna show just how much of your information the likes of Facebook and Google store about you without you even realising it

2:57 PM - 24 Mar 2018

164,550 Retweets **256,420 Likes**

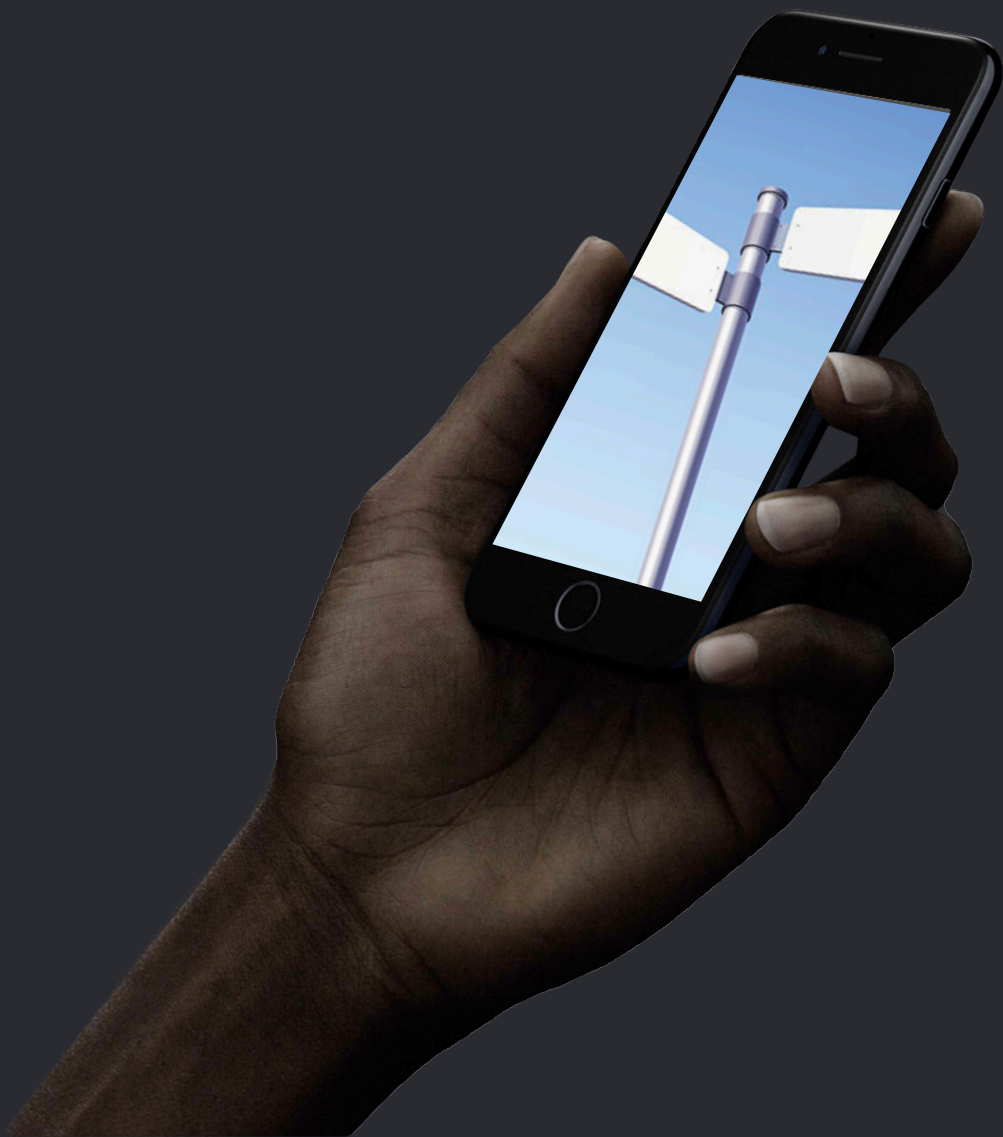


4.5K 165K 256K

4.5K 165K 256K

164,550 Retweets **256,420 Likes**





BACK TO BASICS



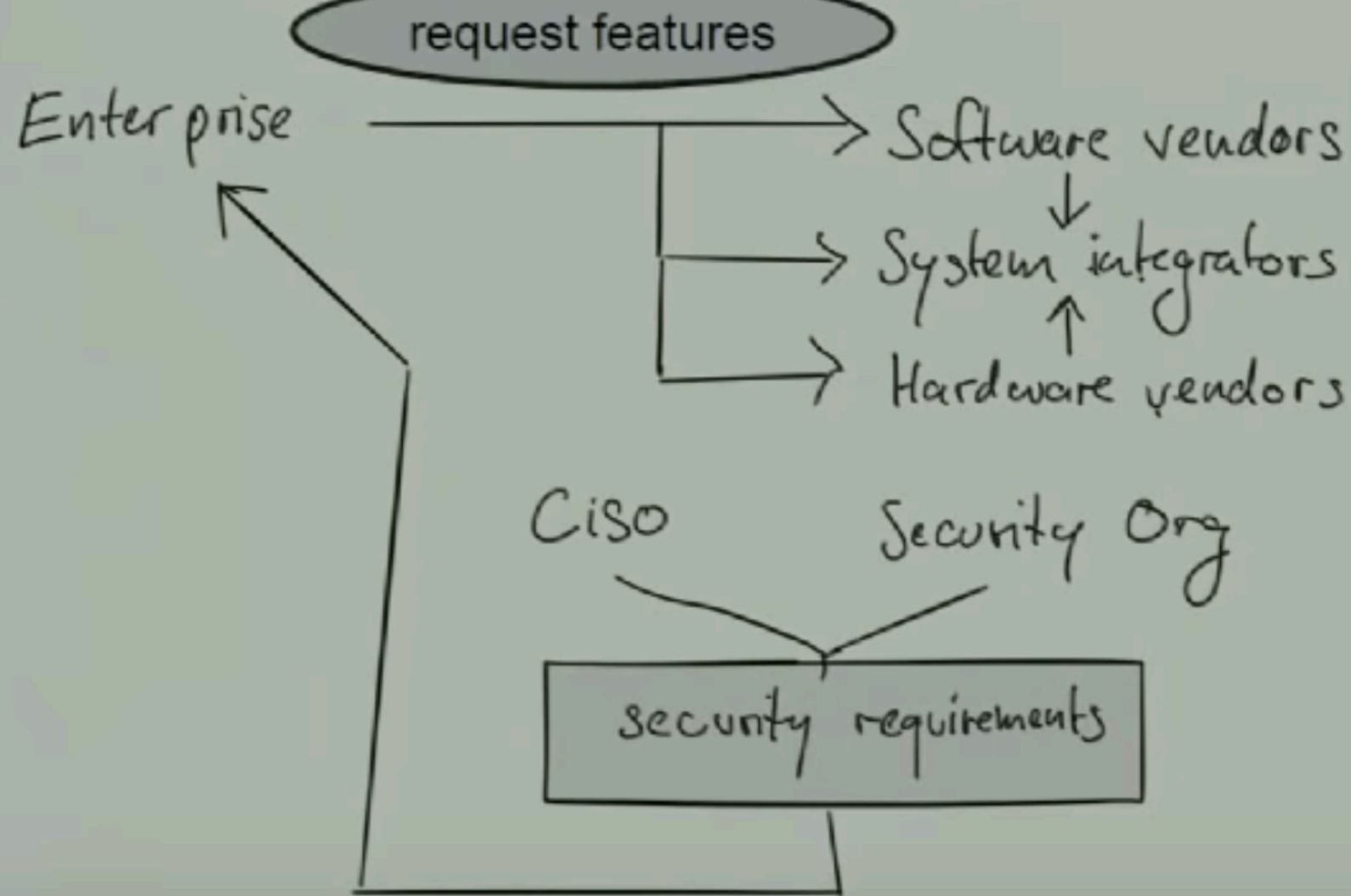
bl

MAF
MARINA

Why we are
not
building a defensible
Internet


black hat[®]
ASIA 2017

Idealized scenario





halvarflake

@halvarflake

Following



People speak about the "security poverty line", but the harsh truth is that



halvarflake @halvarflake · Aug 23



... most organisations really struggle to keep their stuff running, or inventoried, or approximately clean. Many famous brands fail at doing "simple" things like having a working payment workflow on their website; discussing proper security engineering when they can't get ...



3

8:12 AM - 23 Aug 2018



halvarflake @halvarflake · Aug 23



... even business-critical things to run reliably is like discussing proper swimming form with a drowning person.

There are many reasons for this situation, but it should give us pause that - as IT has gotten crucially important - so few organisations are on top of theirs.



1



26



168





18 Billion

Passenger Trips in the US



27

Deaths

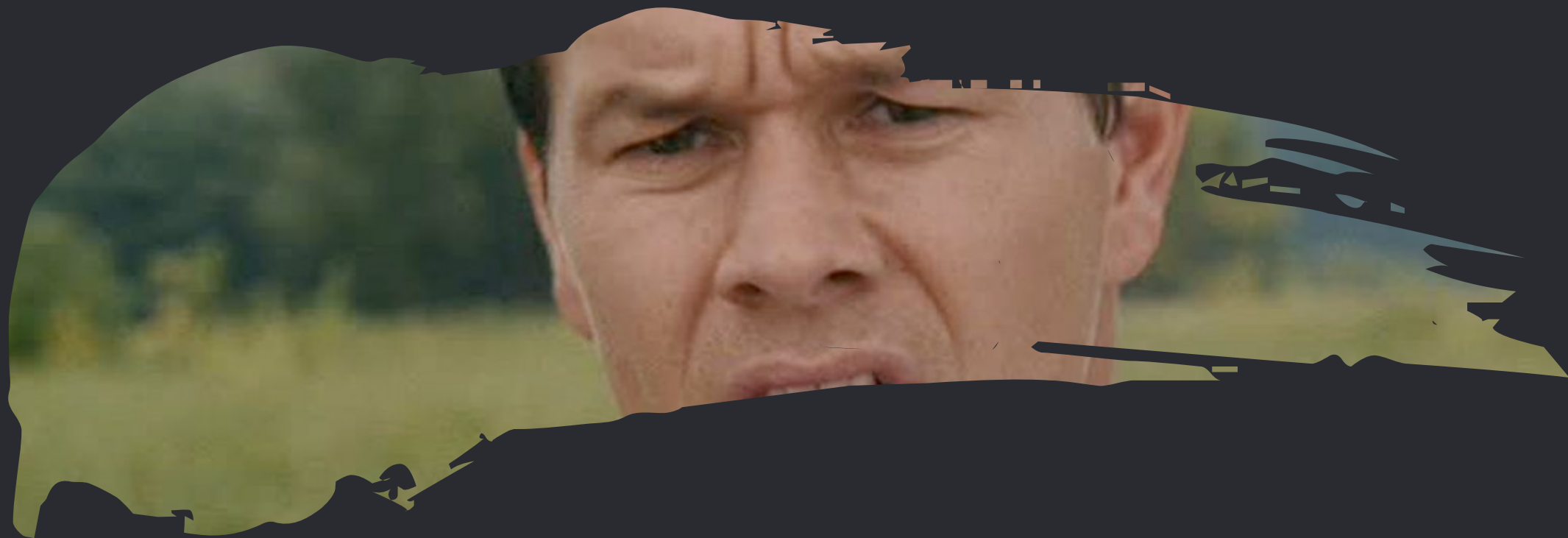
0.00000015%



LIFTS



LIFT DESIGN 101



WE'VE LOST OUR WAY

“Information Security is always flashing their badges at people and making urgent demands, regardless of the consequences to the rest of the organization, which is why we don’t invite them to many meetings.”

— Gene Kim, The Phoenix Project: A Novel About IT, DevOps, and Helping Your Business Win

Business Win

— Gene Kim, The Phoenix Project: A Novel About IT, DevOps, and Helping Your



OWASP

Open Web Application
Security Project



Andrew van der Stock  @vanderaj · Oct 2



C3 ~ RET

@c3retc3

Follow



Replying to [@lfservin](#) [@dcuthbert](#) and 3 others

Completely agree on the point: IEEE principles on secure design should definitely be presented at the standard.

9:37 AM - 4 Oct 2018



1



56



65





Tim Berners-Lee 
@timberners_lee



This is a serious moment for the web's future. But I want us to remain hopeful. The problems we see today are bugs in the system. Bugs can cause damage, but bugs are created by people, and can be fixed by people. 1/9

22/03/2018, 00:55

5,805 Retweets **7,906** Likes

**SECURITY NEEDS TO BE
MORE OF AN ENABLER**

THANK YOU