



OPCDE

Hello.

مرحبا

#OPCDE2018



ONE PERSONS "MAGIC" IS ANOTHER PERSONS ENGINEERING



ABOUT ————— ME





THE MIDDLE EAST

2018



1991



2018



Tim Berners-Lee  @timberners_lee · Mar 22



I can imagine Mark Zuckerberg is devastated that his creation has been abused and misused. (Some days I have the same feeling [#justsaying](#)) 2/9



113



1.2K



3.2K



113



1.2K



3.2K



TRULY FASCINATING TIMES.....

June, 2016

Democratic National Committee Hack

Russian FSB supposedly breached the DNC and leaked private emails.

May, 2017

Equifax

Patching is hard. Even harder for +- 145 million people.

August, 2017

Sadara Chemical Company Cyber Attack

Unknown group targeted company with single aim of causing an explosion.

March, 2018

Cambridge Analytica

Illegally obtaining data from more than 50 million people on Facebook in an attempt to influence political outcomes.



Matthieu Suiche

"hackers have stolen \$15 billion from cryptocurrency exchanges. Perhaps most worryingly for Binance, which like many of the others has been operating with little to no oversight" lo



Bloomberg Crypto

@crypto

Crypto's billionaire trading king has suddenly run into problems bloom.bg/2p...MS9

BILLION

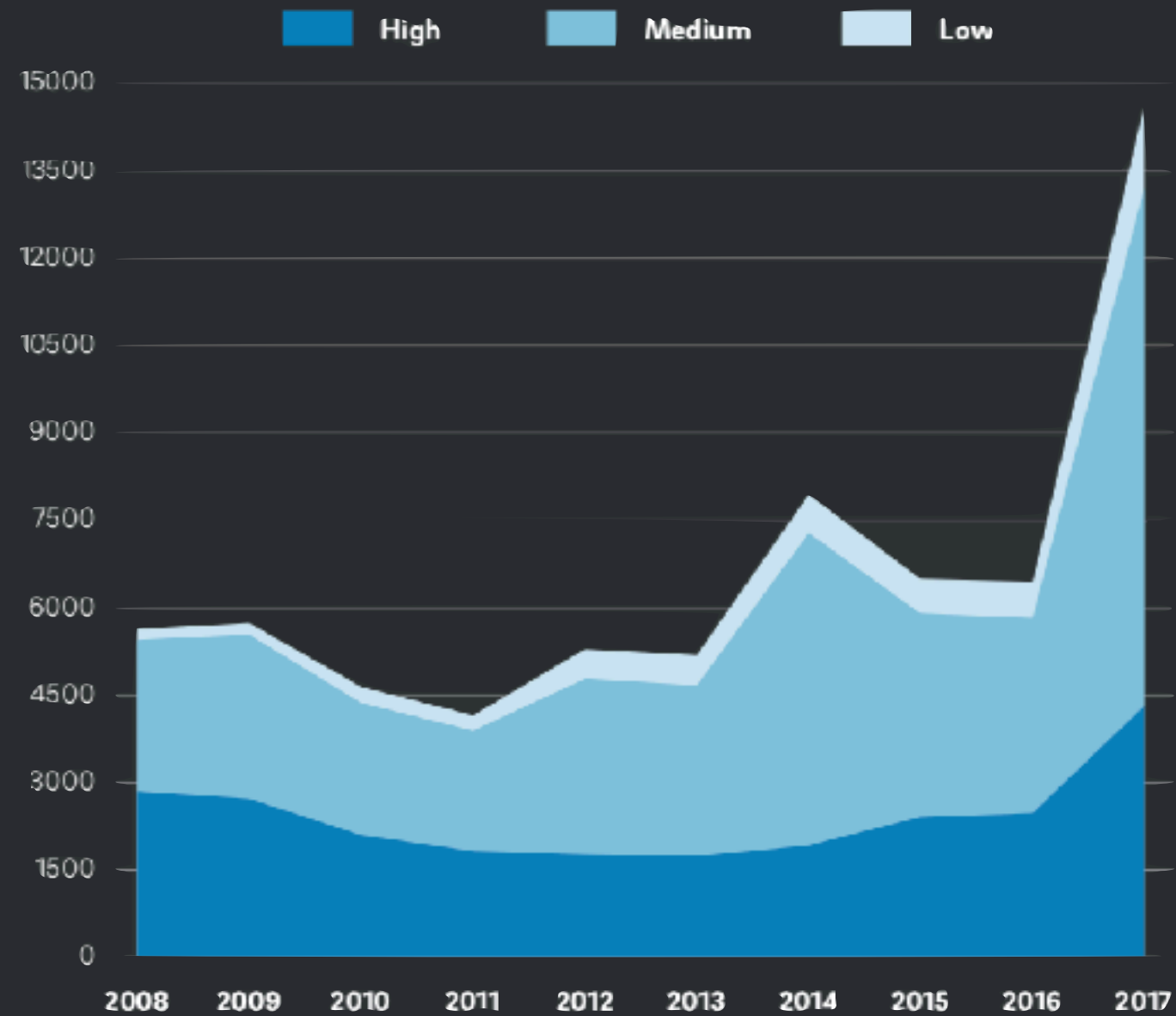


Cryptocurrency stolen from online
cryptocurrency exchanges between
2012 and 2017 (in USD)



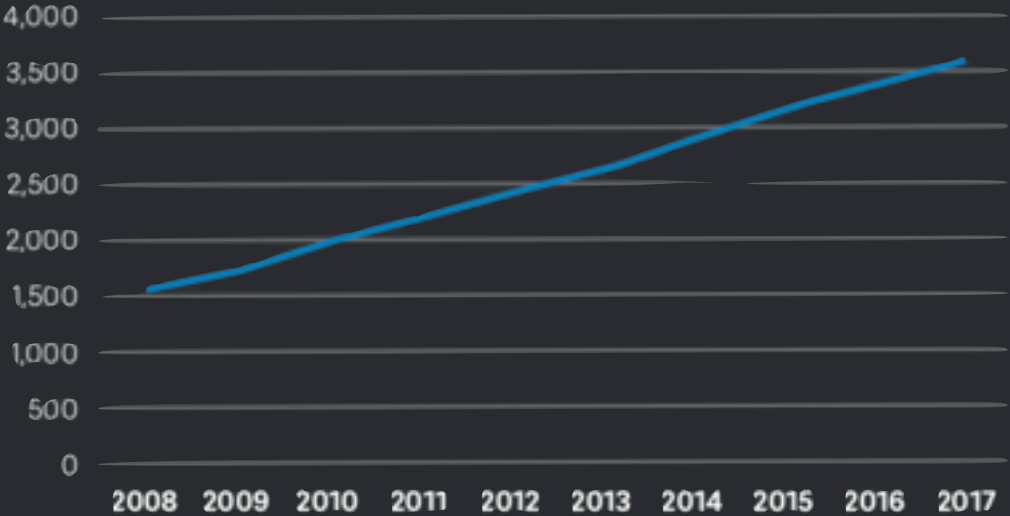


Vulnerability Disclosures Per Year

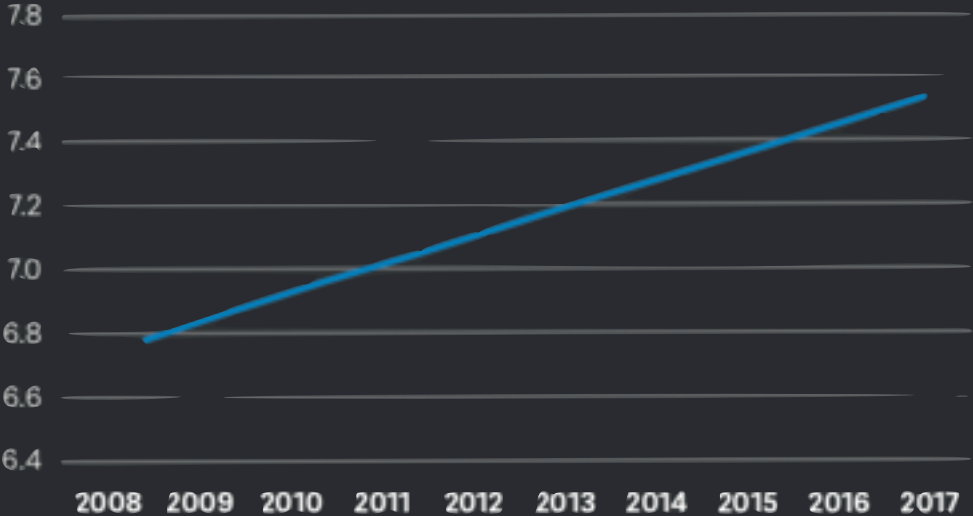


Source: nvd.nist.gov

Internet Users Worldwide – In Millions



World Population – In Billions



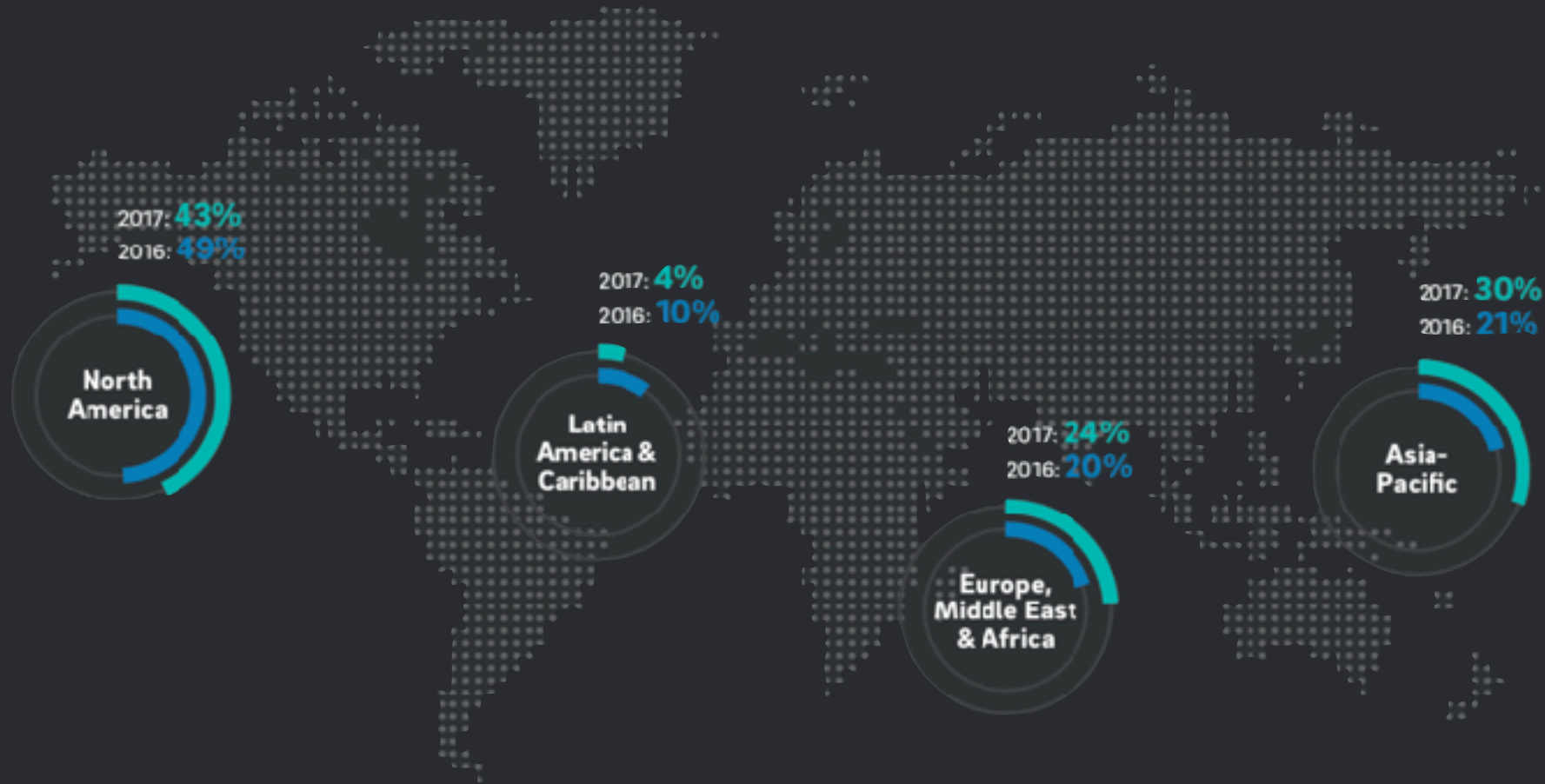
**MORE VULNERABILITIES MEANS GREATER
POTENTIAL FOR EXPLOITATION**



THE RESPONSIBILITY ERA

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, stylized world map serves as the background for the slide. The map is centered on the Atlantic Ocean, with North and South America on the left and Europe and Africa on the right. The landmasses are depicted in a lighter gray tone against the dark background.

**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, showing the outlines of continents and countries.

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

the second highest share.



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.

Alex Stamos ✓ @alexstamos

Replying to @shatterfront

There are plenty of legit criticisms of FB, but false stories are important to correct:

1) The belief that US I F gets special a

Tweet your reply





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

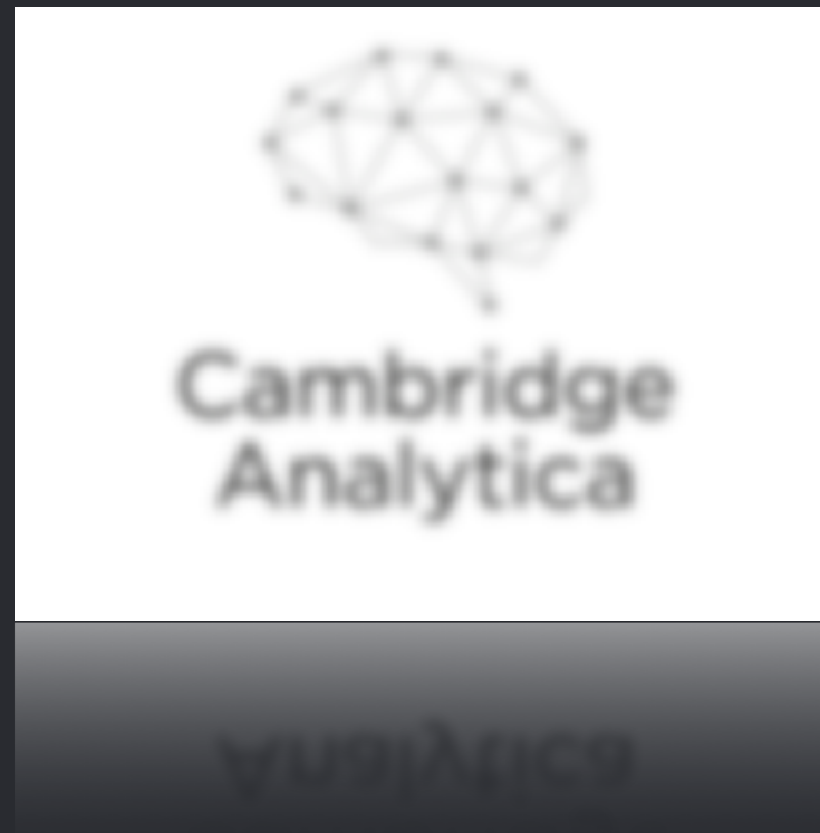


4.5K 165K 256K

4.5K 165K 256K

164,550 Retweets 256,420 Likes





“DATA IS THE NEW OIL”

Any personal information can become sensitive information

Users spend an average of 20 minutes per day on the site

Hive is Facebook's data warehouse, with 300 petabytes of data

Facebook generates 4 new petabytes of data per day

Facebook now sees 100 million hours of daily video watch time

Users generate 4 million likes every minute

More than 250 billion photos have been uploaded to Facebook

This equates to 350 million photos per day

This equates to 320 million photos per day

More than 220 billion photos have been uploaded to Facebook



BACK TO BASICS



18 Billion

Passenger Trips in the US



27

Deaths

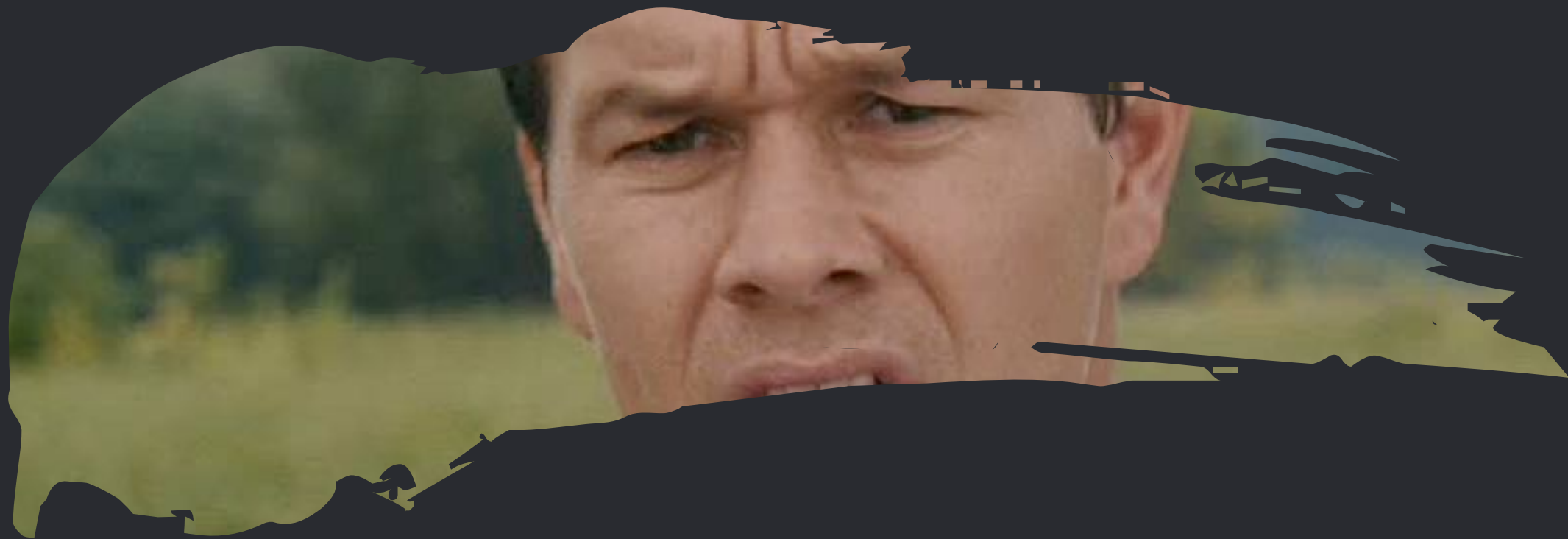
0.00000015%



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



SECURITY NEEDS TO BE
MORE OF AN ENABLER

THANK YOU