Welcome to the cloud.
….And how to protect it.
Bill Dunnion . Calian

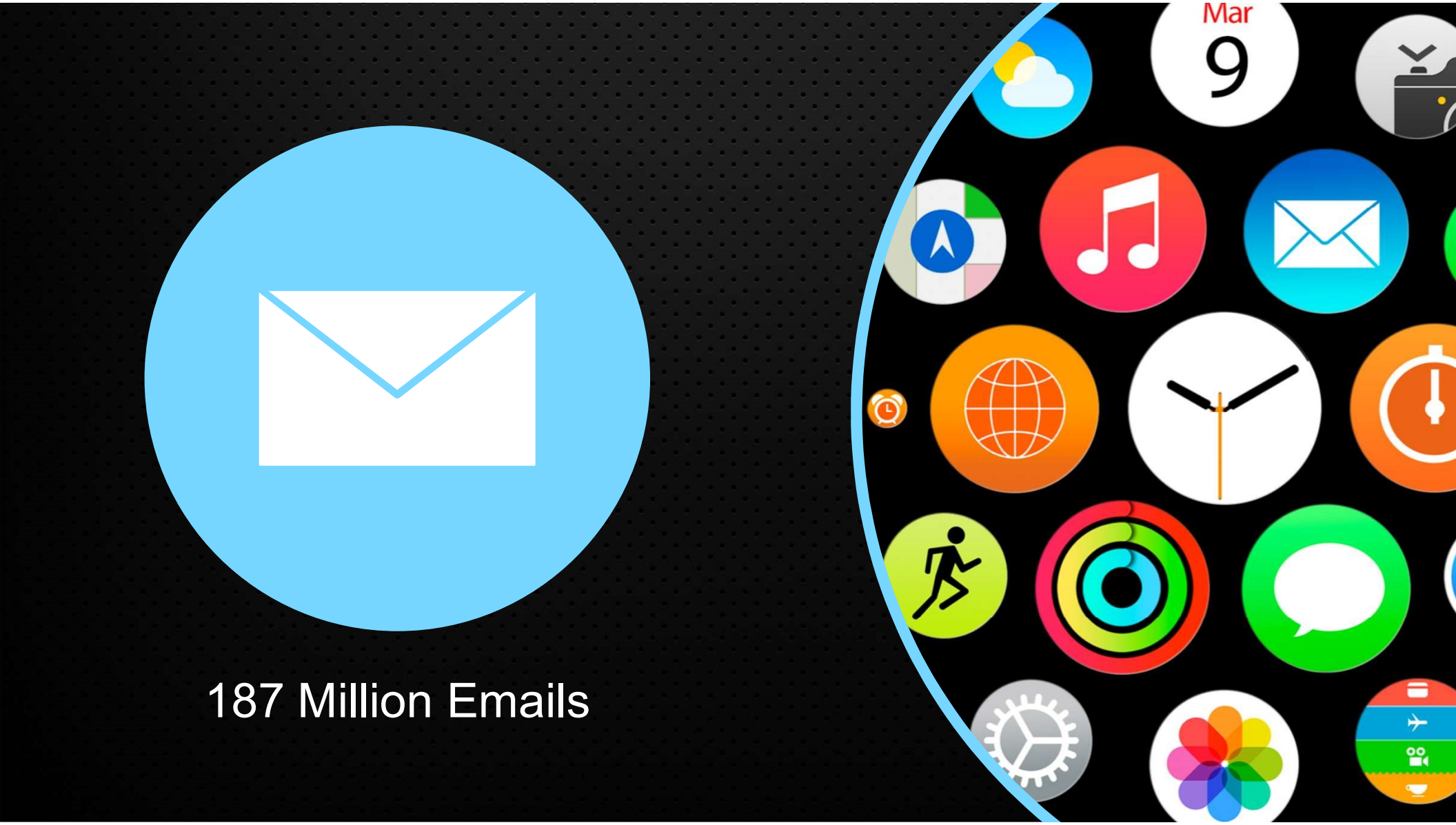
To begin….

Data…data everywhere!

A typical

Internet Minute…

Mar
9
18 Million Texts


Mar
9
187 Million Emails

Mar
9
3.7 Million Google Searches

Mar
9
973,000 Facebook Log-ins

NETFLIX

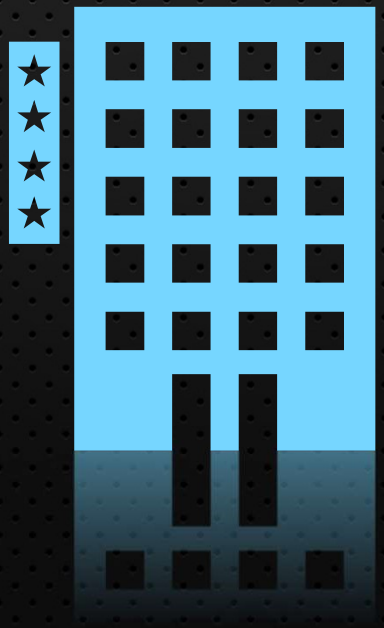
266,000 Hours of Netflix

(and chill)

Mar
9
$863,000 Spent Online Shopping

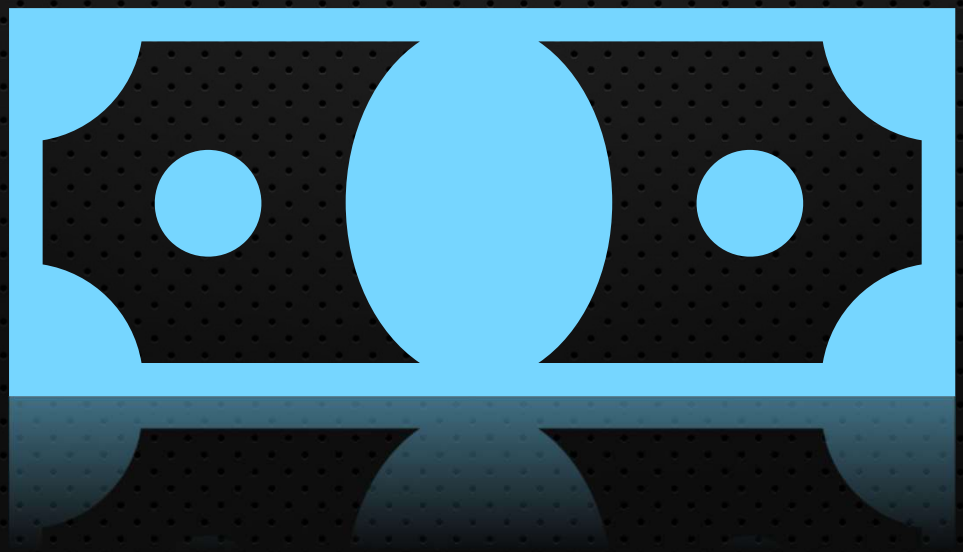
Adoption is staggering.

The public cloud service market is expected to reach **$206.2 billion in 2019 worldwide.**



83% of enterprise workloads
will be in the cloud by 2020.

94% of enterprises
already use a cloud service.



30% of all IT budgets
are allocated to cloud computing.

66% of enterprises
already have a central cloud team
or a cloud center of excellence.

1400+ Shadow IT Accounts

Are discovered in enterprises
without proper IT management control

On average, organizations leverage
5 different cloud platforms.

50% of enterprises spend more than **$1.2 million on cloud services annually**.

And with all of that **Cloud adoption…**

BREACHES!

IMPACT: 3 billion user accounts

IMPACT: 500 million customers

IMPACT: 145 million users compromised

IMPACT: 143 million consumers

IMPACT: 57 million Uber users and 600,000 drivers

IMPACT: 76 million households and 7 million small businesses

IMPACT: 77 million PlayStation Network accounts

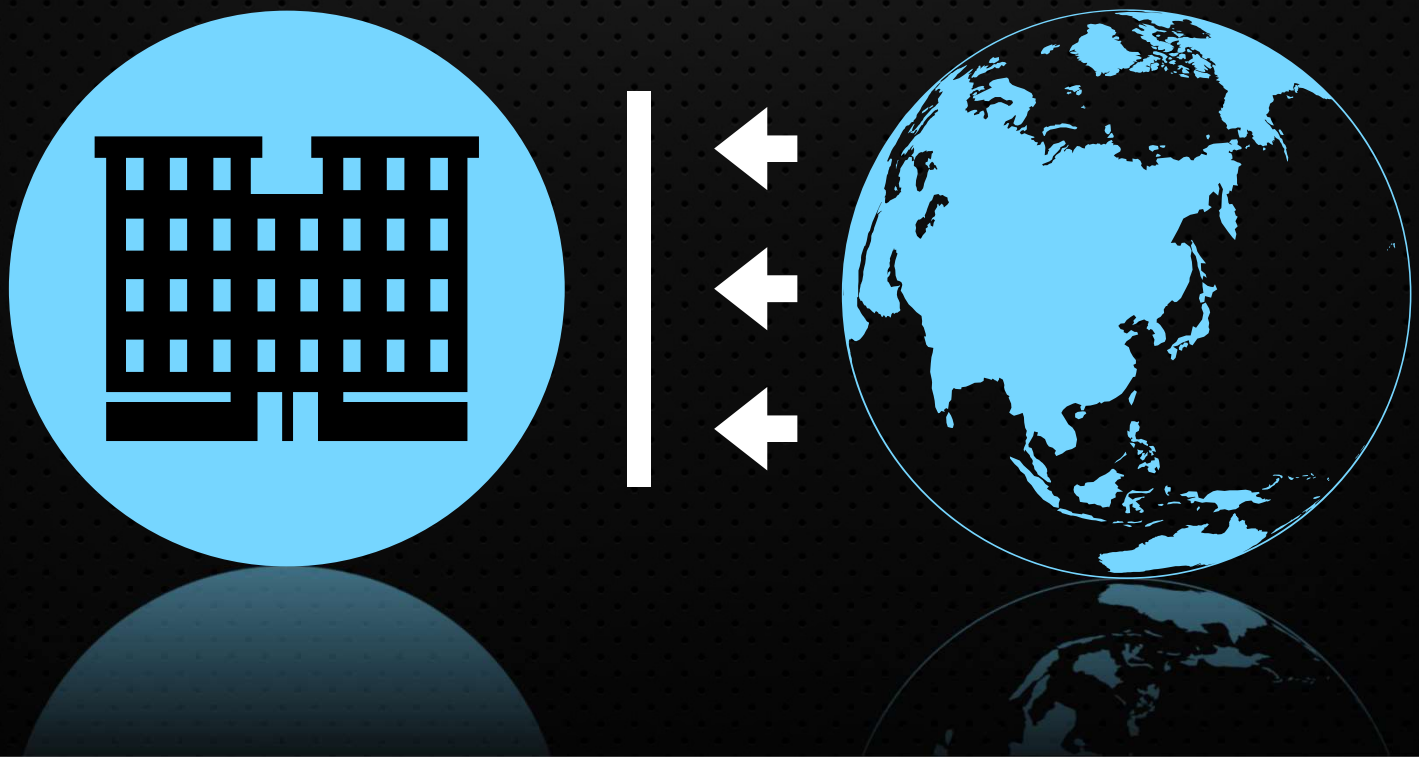
IMPACT: 40 million employee records stolen

IMPACT: credit/debit card information of 56 million customers

IMPACT: 38 million user records

So why is security **so ~~important?~~** damn difficult?

The traditional perimeter **is no longer viable**.



If **YOU** are always connected.
EVERYTHING is always connected.

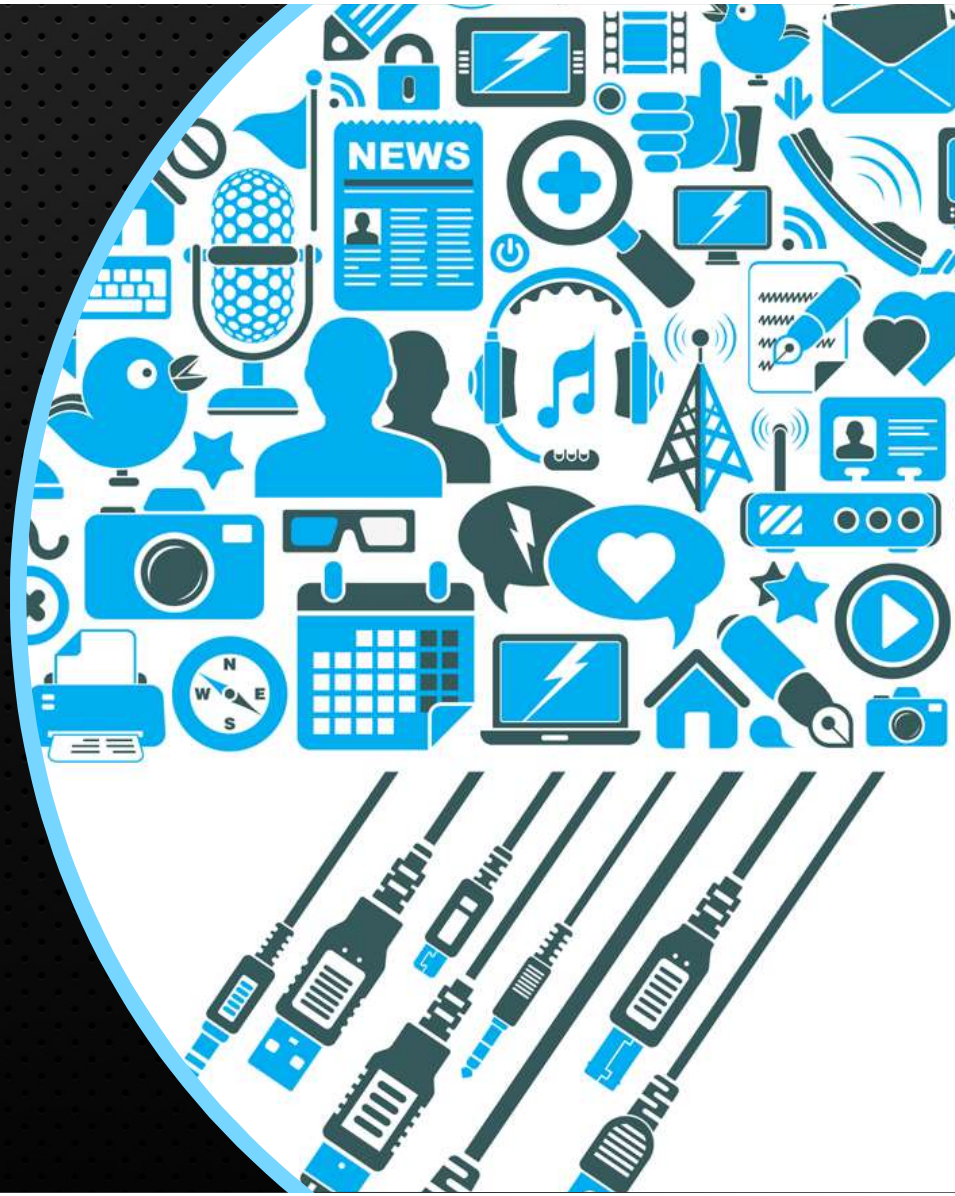
Responsibility

Cloud Provider

Responsible for security ***OF*** the cloud

The Company

Responsible for security
IN the cloud



So… what does security **IN** the cloud mean?

- ✓ Protect the data wherever it lives
- ✓ At rest, in motion, on prem, in cloud

But ***where***
do you start?

Access Control

The Emergence of CASB

The Next Frontier

CASB 2.0

DLP | AV | Threat intelligence

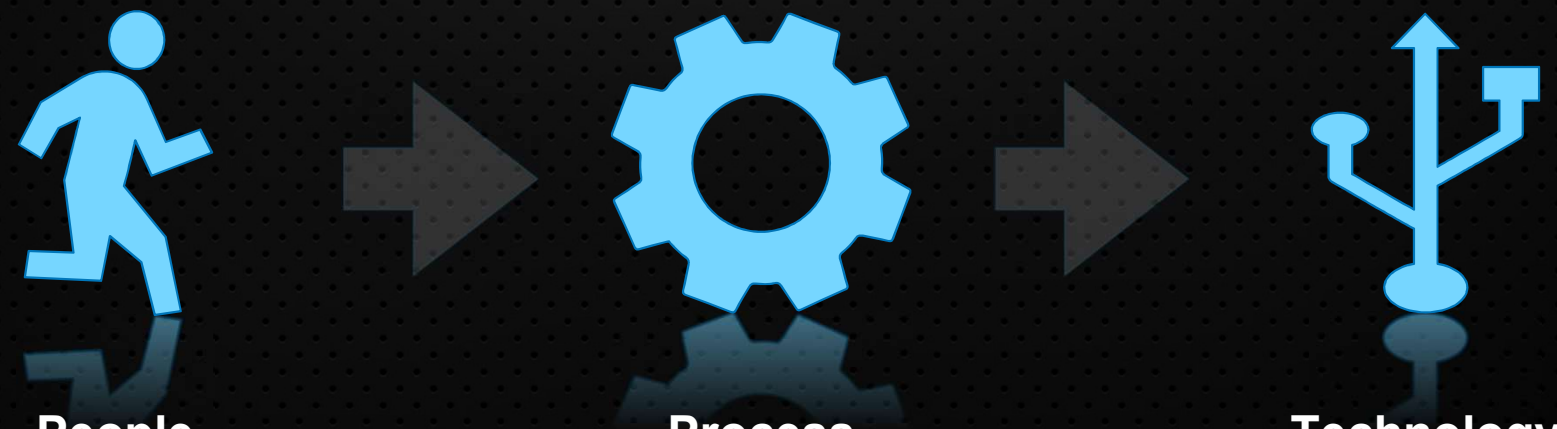
An integrated approach to
your core infrastructure and endpoints

Eliminate multiple islands **of DLP**

Deliver **Malware Protection**

Provide **Endpoint Protection**

At the end of the day…



People

Process

Technology

People

- ✓ Largest attack vector/weakest link
  - Awareness training
- ✓ Developer training
  - Secure your cloud development
  - Don’t remove firewalls to solve a problem

Process

- ✓ Development
- ✓ QA
- ✓ Incident response

Technology

- ✓ Makes people/process more efficient

Important **answers** to important **questions.**

Thank You.

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