

# Estonian Government Cloud – way to tackle challenges

Sergei Butenko  
Head of Modern Data Center division,  
NEE region

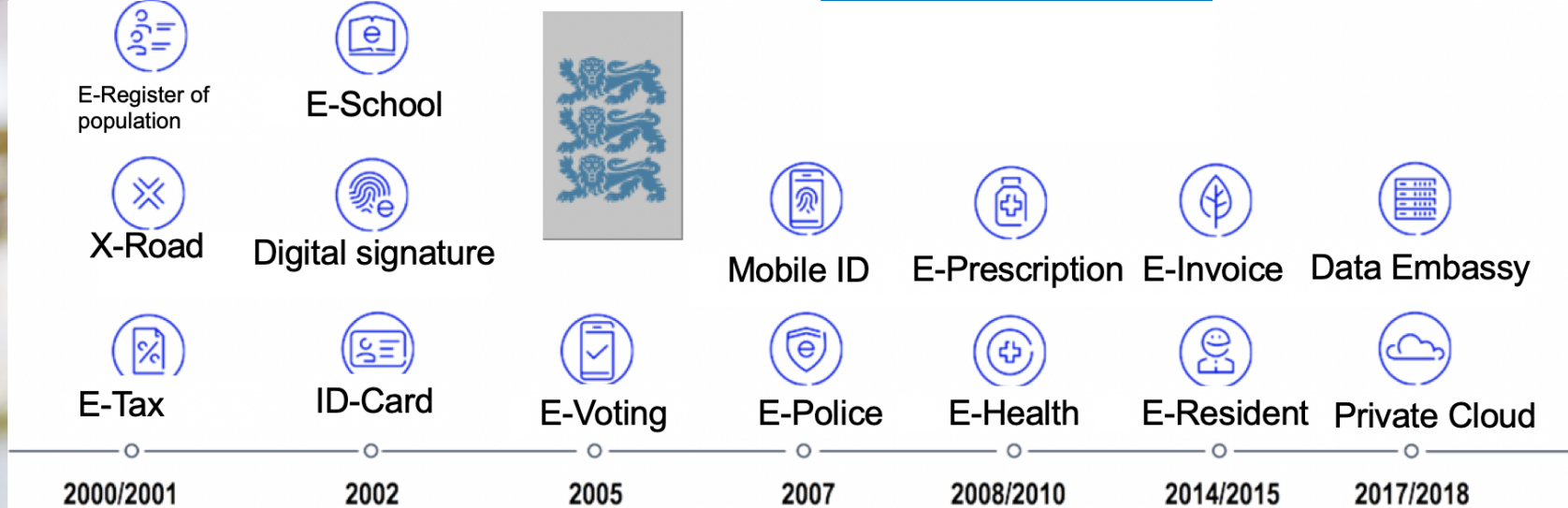
Board member  
Estonian Government Cloud

0145



RIIGIPILV

DELL EMC



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**99%**

Faster VM provisioning  
Vs standard Public RFP  
(Municipal elections 2017)

**24%**

Cost savings in Capex  
(Ministry of Environment '18)

**61%**

Reduction in 3Y Opex  
(Center of Registers)

**99,999999999%**

Nine 9's Uptime  
Vs traditional five 9's  
(RIA survey & audit '18)

75% of digital business applications  
will be **built** not bought by 2020

—Gartner, August 2015

From idea to production: **6-9 months**

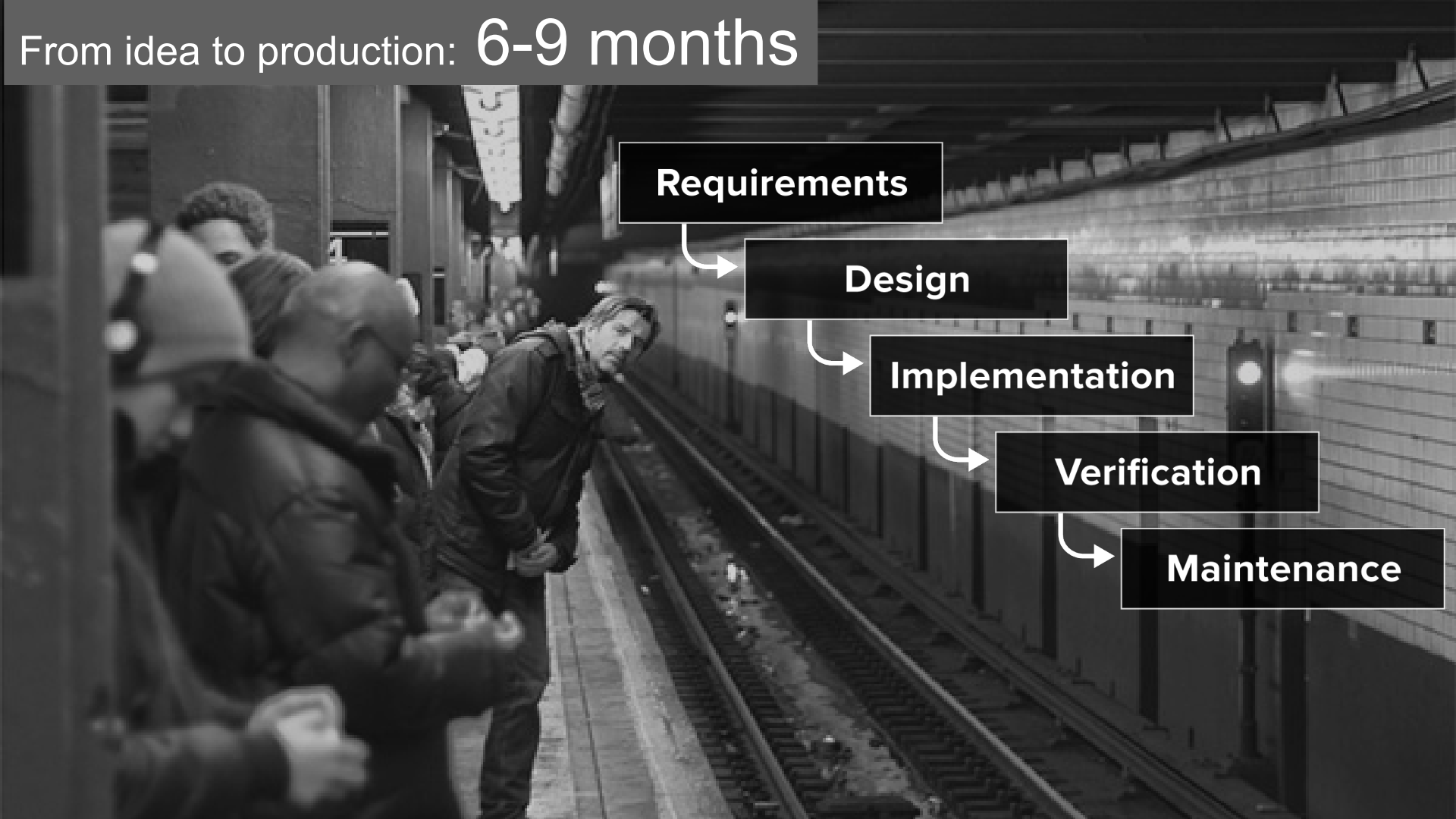
**Requirements**

**Design**

**Implementation**

**Verification**

**Maintenance**

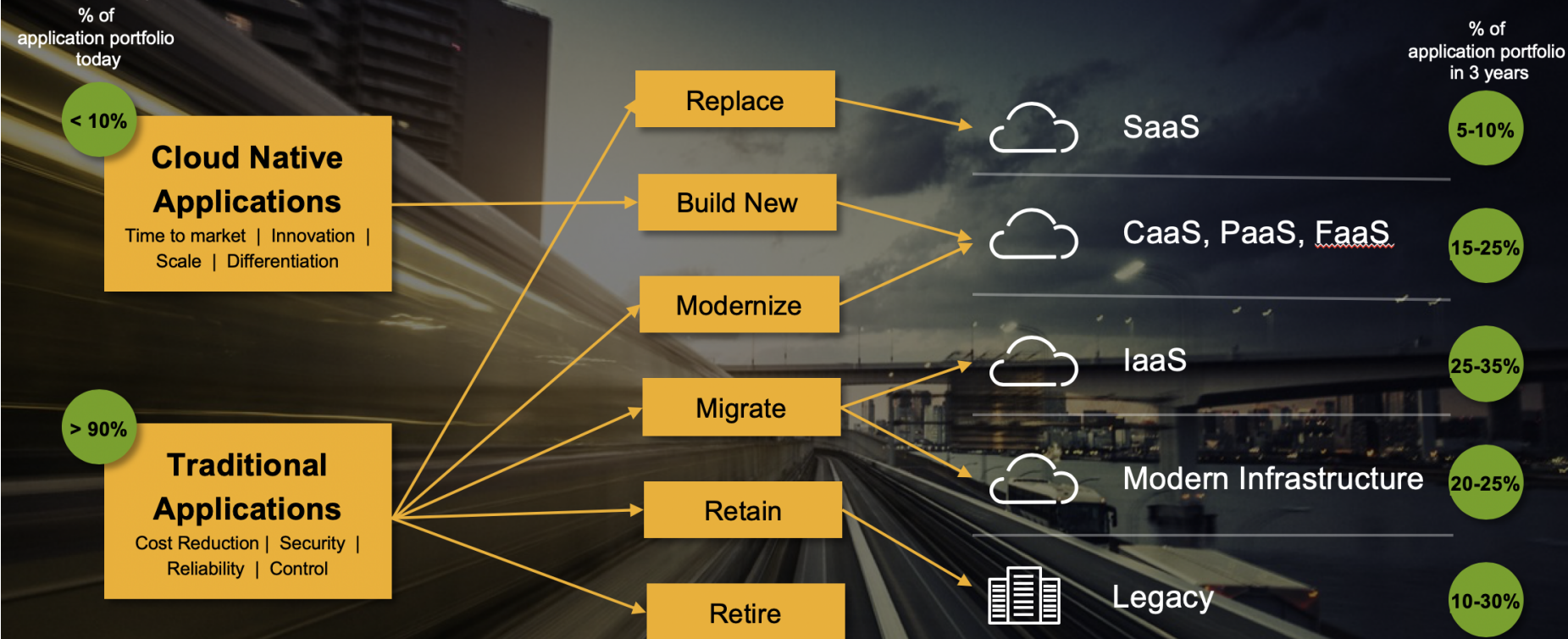




# Modernize Your Existing Application Portfolio



Dell Technologies Services helps you to assess, replatform, or refactor existing apps



# Minimize Application Risk

## Before and After



Traditional approaches to application risk aren't working

**88%**

Growth in application vulnerabilities

**197**

Average number of days to identify a data breach

**30+**

Vulnerabilities in top Docker images

Rethinking risk to achieve **both speed and safety**



814K USD each data breach cost



50% are unprotected in the cloud

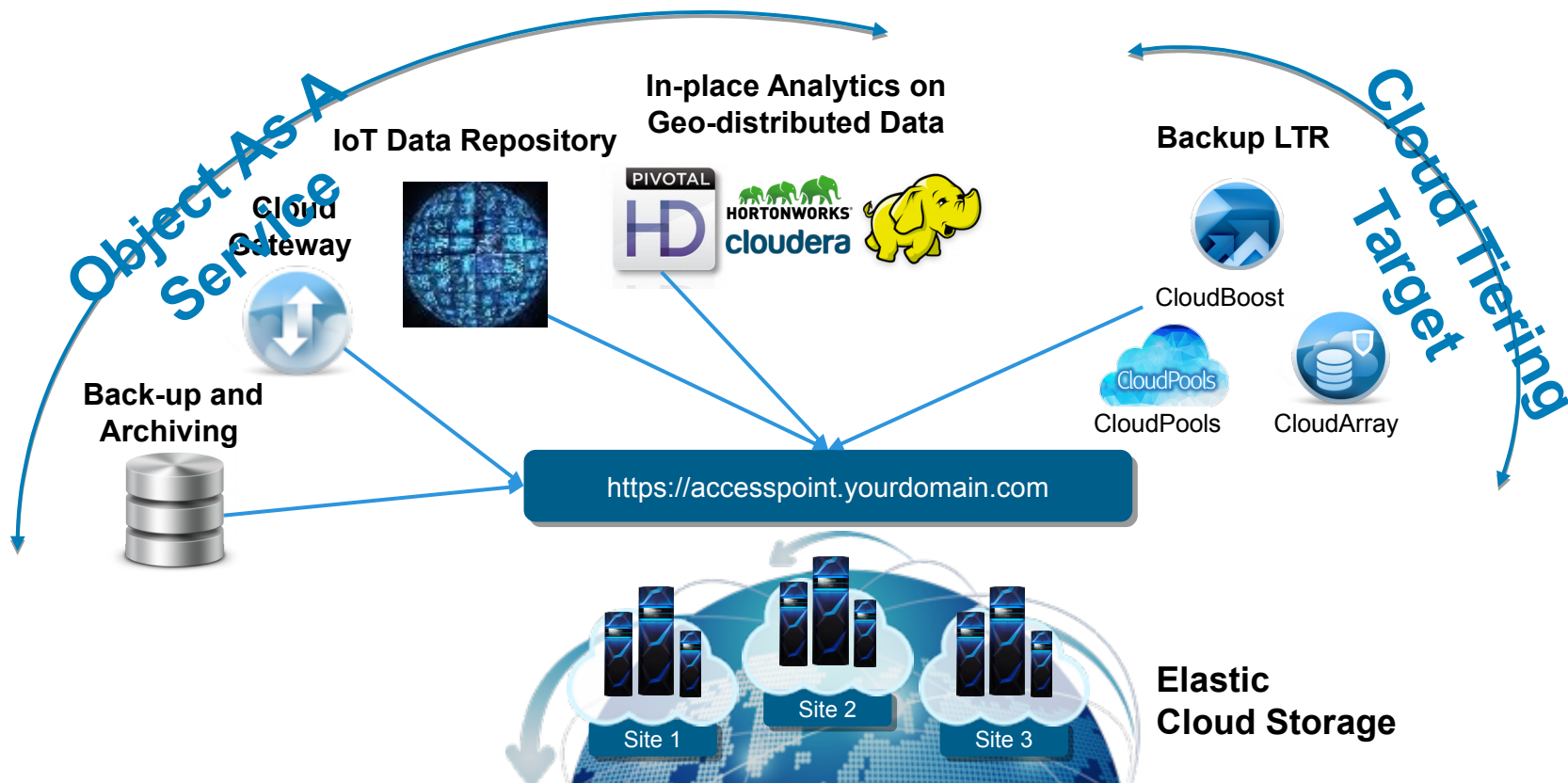


82% of responders not prepared to address future business challenges



2.36T is average data loss

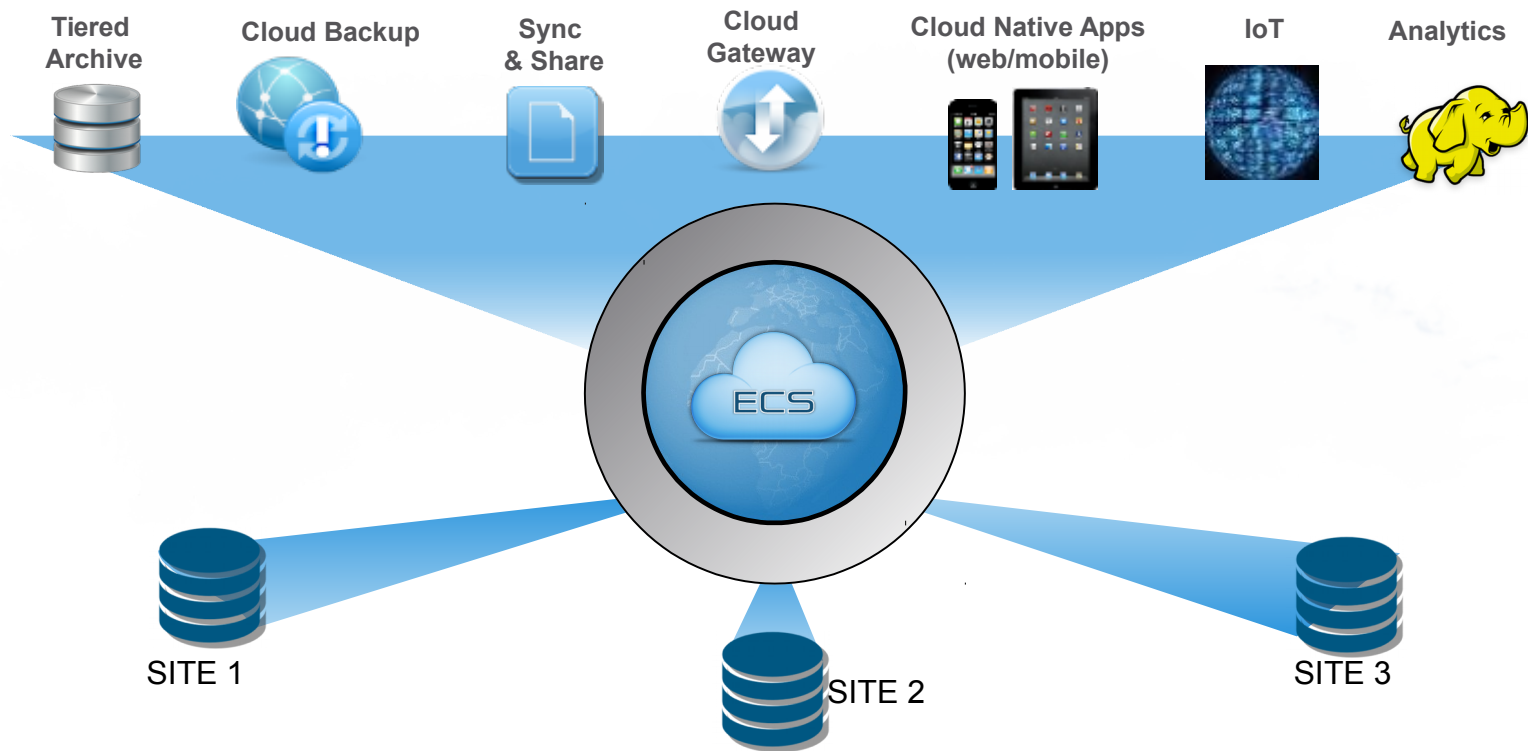
# Data Embassy



# Supporting A Wide Variety Of Workloads

Traditional/"Platform 2"

Cloud Native/"Platform 3"

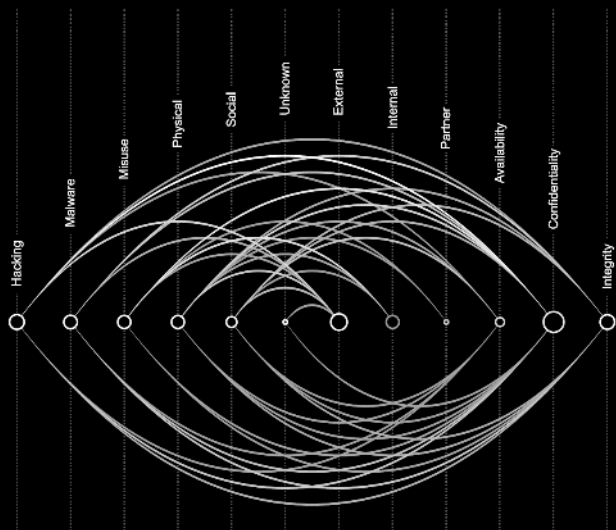




# 2018 Data Breach Investigations Report

Research report

11<sup>th</sup> edition

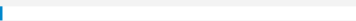


verizon✓


## Who's behind the breaches?

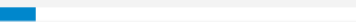
73%   
perpetrated by outsiders

28%   
involved internal actors

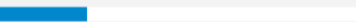
2%   
involved partners


2%   
featured multiple parties


50%   
of breaches were carried out by organized criminal groups


12%   
of breaches involved actors identified as nation-state or state-affiliated

## Who are the victims?


24%   
of breaches affected healthcare organizations

15%   
of breaches involved accommodation and food services

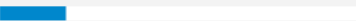
14%   
were breaches of public sector entities

58%   
of victims are categorized as small businesses

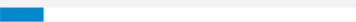
## What tactics are utilized?

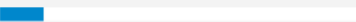
48%   
of breaches featured hacking

30%   
included malware


17%   
of breaches had errors as causal events

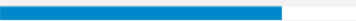
17%   
were social attacks


12%   
involved privilege misuse


11%   
of breaches involved physical actions

## What are other commonalities?

49%   
of non-POS malware was installed via malicious email<sup>1</sup>

76%   
of breaches were financially motivated

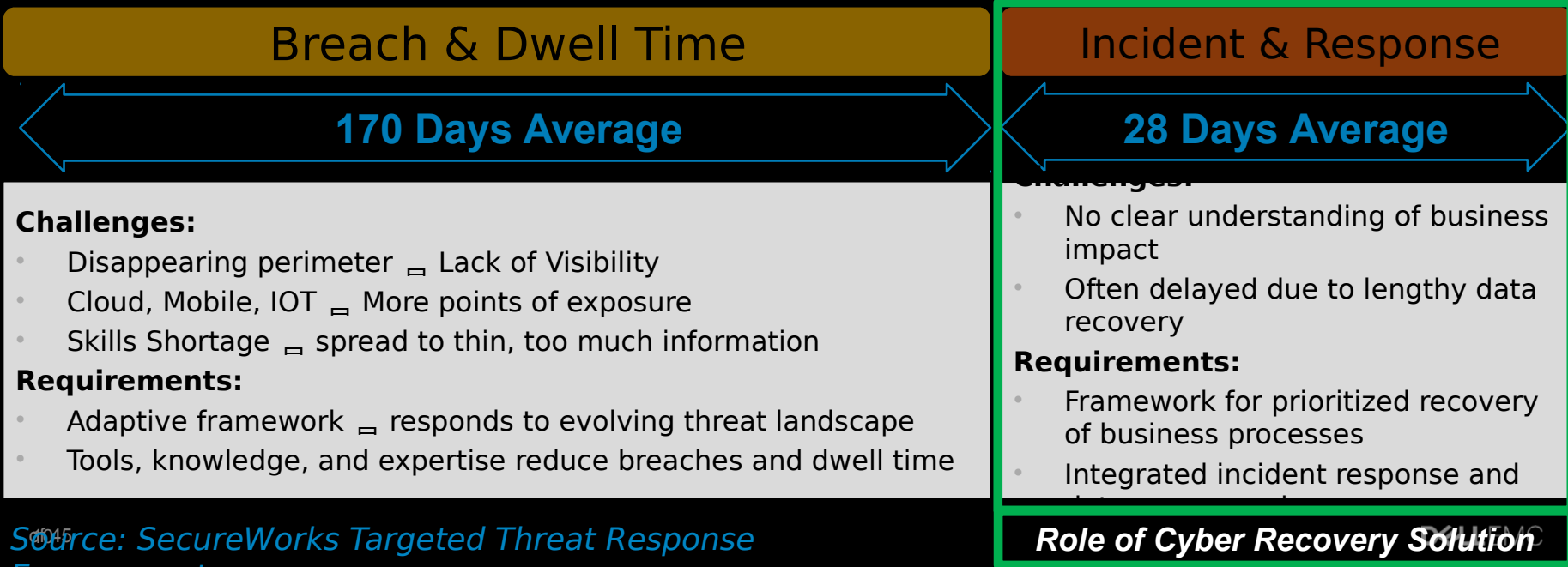
13%   
of breaches were motivated by the gain of strategic advantage (espionage)

68%   
of breaches took months or longer to discover

# Adversaries Exploiting Your Blind Spots

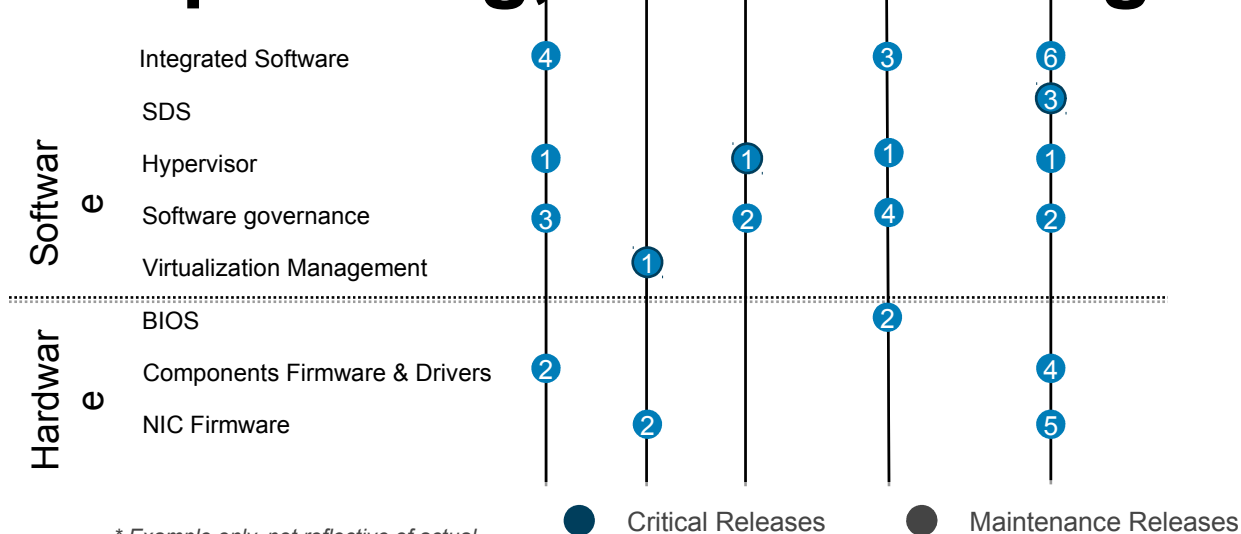
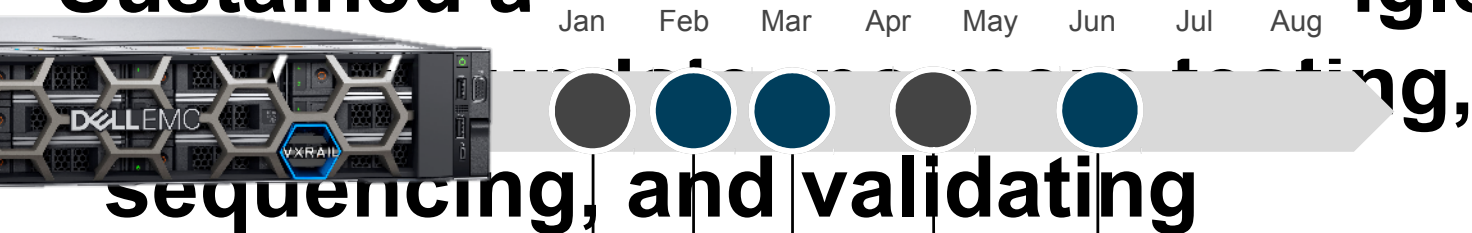
**Adversaries are bypassing anti-malware and traditional security controls, allowing them to go undetected for months or sometimes even years.**

Organizations often not prepared to respond and face prolonged data recovery times.



# VxRail simplifies lifecycle management

## Sustained and delivered as a single



GO FROM  
ONE GOOD  
KNOWN  
STATE TO  
THE NEXT

\* Example only, not reflective of actual VxRail software packages

# Secure, Protect, Archive and Recover Your Apps – Wherever They Run



Secure APIs



Minimize Vulnerability  
Windows

Pivotal®

Secureworks®  
RSA®

Detect & Respond

DELL EMC  
vmware®

Protect & Recover