

# THE BIG DISCONNECT

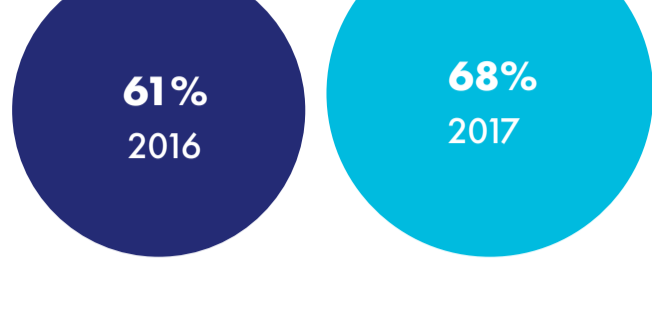
## 2017 DATA THREAT LANDSCAPE

“SPENDING ON IT SECURITY TO PROTECT DATA IS UP – SHARPLY IN SOME SECTORS – YET SUCCESSFUL DATA BREACHES ARE ALSO UP SIGNIFICANTLY. CLEARLY, THERE’S STILL A BIG DISCONNECT.”

—Garrett Bekker, 451 Principal Analyst, Information Security

### BREACHES ACCELERATE IN SPITE OF INCREASED IT SECURITY SPENDING

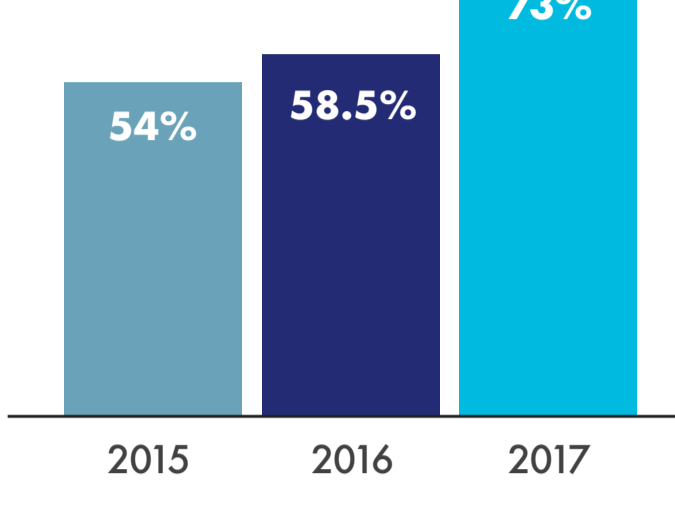
Had a data breach:



In the last year:



Increasing IT Security spending to protect data:



### GLOBAL IT SECURITY PROS REPORT THEIR ORGANIZATIONS ARE VULNERABLE TO DATA THREATS



GERMANY

95% Most vulnerable



45% Very or Extremely

UNITED STATES

90% Vulnerable



29% Very or Extremely

BRAZIL

77% Least vulnerable



19% Very or Extremely

### BEING COMPLIANT DOESN'T MEAN YOU WON'T BE BREACHED

DISCONNECT 1

“Compliance is a minimum table stake for regulated enterprises ... But being compliant does not mean you won't be breached.”

—Garrett Bekker, 451 Principal Analyst, Information Security

Compliance is the top priority for IT security spend of the last two years:



### DATA AT REST PROTECTION NEEDS TO BE A HIGH PRIORITY

DISCONNECT 2

“It's no longer enough to just secure our networks and endpoints. With the rapid and continuing growth of data outside the four walls of the enterprise, spending on securing internal networks from external threats is less and less effective – and less relevant.”

—Garrett Bekker, 451 Principal Analyst, Information Security



Network



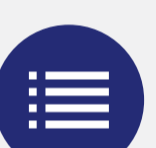
Endpoint and mobile



Analysis and correlation tools



Data in motion



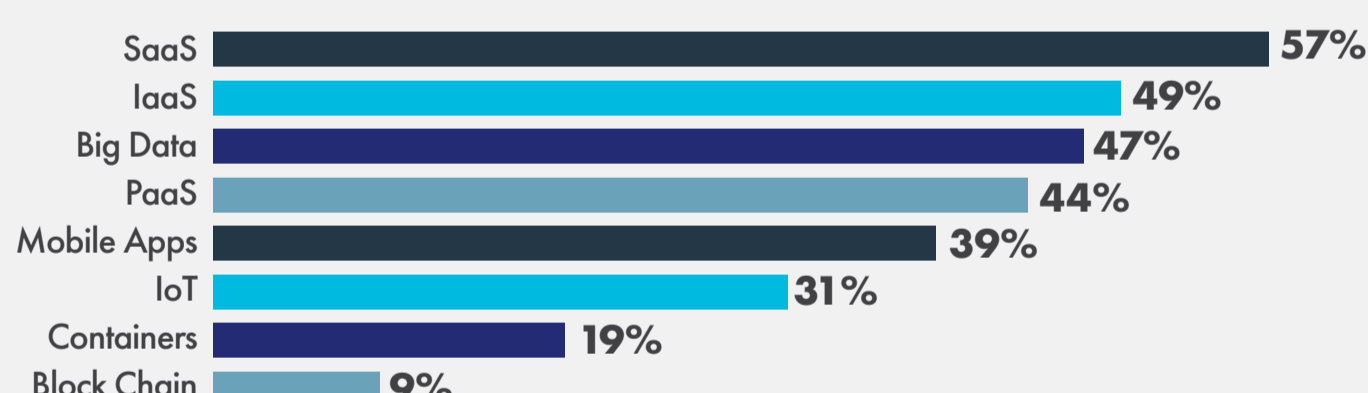
Data at rest

### BUILD IN DATA SECURITY FROM THE START

DISCONNECT 3

63% of IT security professionals are deploying advanced technologies without the required data security

Enterprise use of sensitive data within advanced technology environments



## WHAT TO DO ABOUT IT



#### 1 RE-PRIORITIZE YOUR IT SECURITY TOOL SET

Cloud and SaaS break legacy IT security models – Data security with encryption and access controls across environments is required

Service-based solutions and platforms that include automation are preferred for reduced costs and simplicity

#### 2 DISCOVER AND CLASSIFY

Get a better handle on the location of sensitive data, particularly for Cloud, Big Data, Containers and IoT



#### 3 DON'T JUST CHECK OFF THE COMPLIANCE BOX

Move beyond compliance to greater use of encryption and BYOK, especially for cloud and other advanced technology environments



#### 4 ENCRYPTION AND ACCESS CONTROL

Encryption needs to move beyond laptops and desktops

**Data center:** File and application level encryption and access controls

**Cloud:** Encrypt and manage keys locally, BYOK enables safe SaaS, PaaS and IaaS

**Big Data:** Encryption and access control within the environment

**Containers:** Encrypt and control access to data – within containers and underlying storage

**IoT:** Use secure device ID and authentication, as well as encryption of data at rest on devices, back end systems and in transit to limit data threats

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