

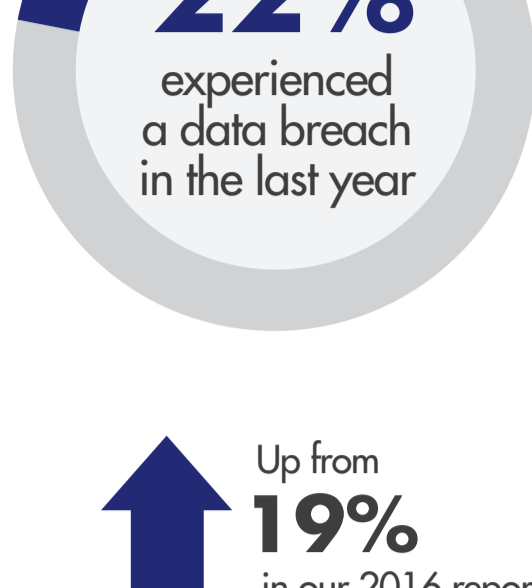
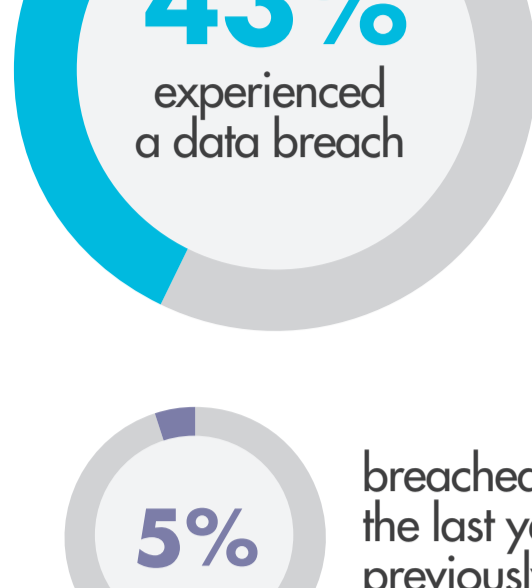
2017 DATA SECURITY IN THE U.K.

THE BIG DISCONNECT

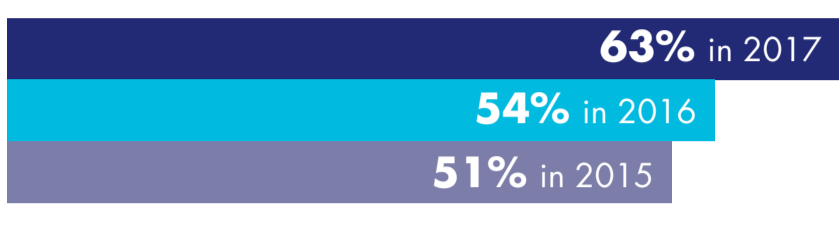
“SPENDING ON IT SECURITY TO PROTECT DATA IS UP – SHARPLY IN SOME SECTORS – YET SUCCESSFUL DATA BREACHES ARE ALSO UP SIGNIFICANTLY. CLEARLY, THERE’S STILL A BIG DISCONNECT.”

—Garrett Bekker, 451 Research Principal Analyst, Information Security

DATA BREACH RATES CONTINUE TO INCREASE, EVEN AS IT SECURITY SPENDING RATCHETS UP

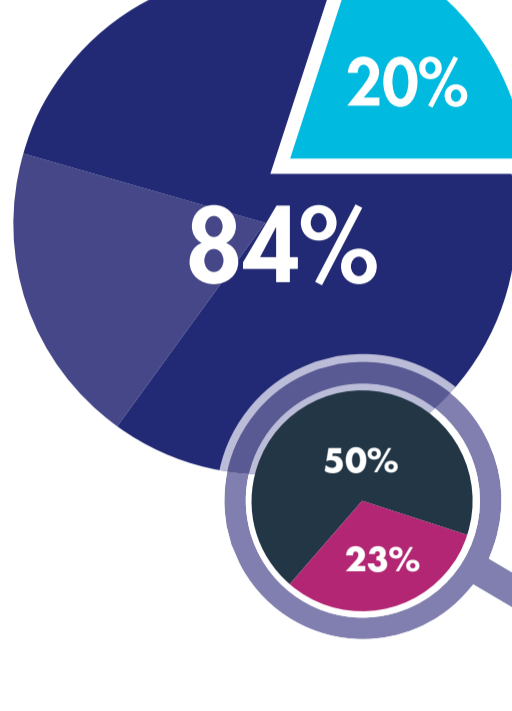


Increasing IT security spending:



GDPR

With the potential for crippling fines (up to 4% of global sales), GDPR looms just over the horizon for enterprises



■ Respondents in the U.K. felt that their organisations were vulnerable to data threats

■ Reported they were “very” or “extremely” vulnerable

How big is the potential exposure?

■ Experienced a data breach in the last year

■ Had a data compliance failure or a data breach in the past



“It is essential that any organisation doing business in Europe must be certain of putting in place the right systems and solutions to ensure compliance. Brexit will have little or no impact on GDPR, as it applies equally to organisations regardless of their country of origin.”

—Garrett Bekker, 451 Research Principal Analyst, Information Security

ADVANCED TECHNOLOGY USAGE ESCALATES – COMPOUNDING THE PROBLEM

“Cloud, Big Data, the Internet of Things (IoT) and increasingly container technology are all being actively embraced and collectively pack a potentially disruptive punch to the basic ground rules of venerable businesses.”

—Garrett Bekker, 451 Research Principal Analyst, Information Security

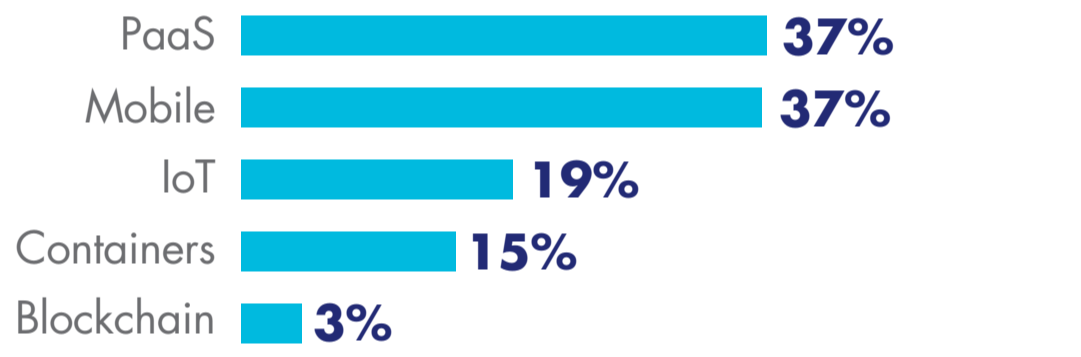


91% use sensitive data in advanced technology environments



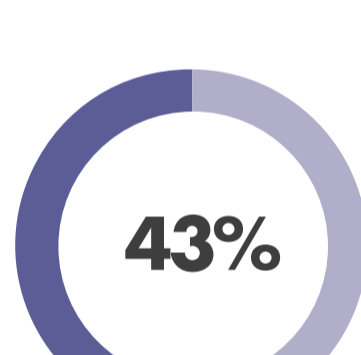
59% say that these deployments occur without data security to protect sensitive information

U.K. Rates of Sensitive Data Use by Advanced Technology Environment

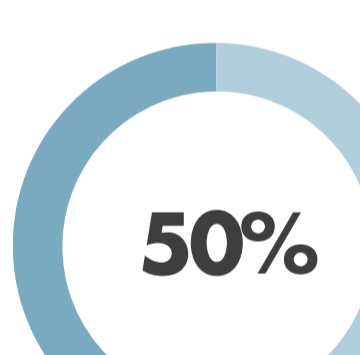


GOOD NEWS

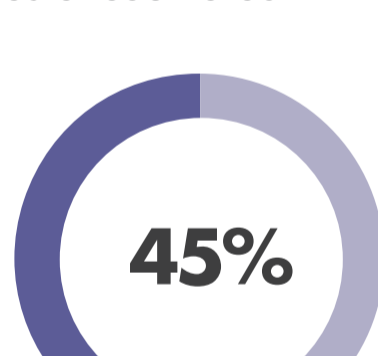
In spite of all the data breaches, U.K. based enterprises are doing surprisingly well compared to others around the globe



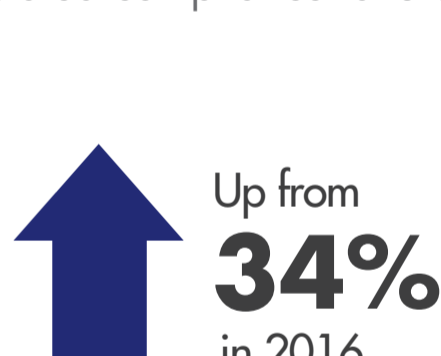
Encountered a data breach, the **second lowest** rate of data breaches encountered



Of enterprises surveyed had no data breaches or data related compliance failures.



Increasing data at rest defenses security spending



U.K. Enterprises Understand that Encryption Enables Advanced Technology Adoption



Cloud

Encryption enables further adoption of cloud

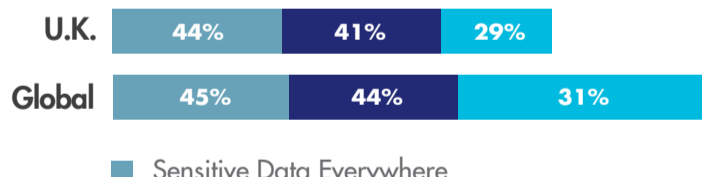


Big Data

Encryption offsets top security concerns



Data encryption in the cloud



■ Sensitive Data Everywhere
■ Security of Reports
■ Lack of access controls



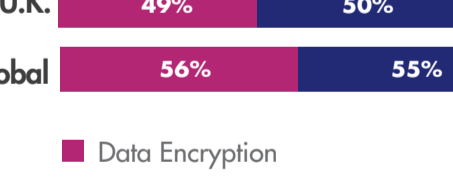
IoT

The top technologies needed to expand usage



Containers

Encryption the top control needed to enable greater adoption



■ Data Encryption
■ Secure Digital Identity (an encryption technology)



WHAT TO DO ABOUT IT

1 RE-PRIORITISE 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 TICK 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

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

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

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

Big Data: Encryption and access control within the environment

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