THALES

The Changing Face of Data Security

2019 Thales Data Threat Report – Retail Edition

The report concentrates on the results from 100 U.S. retail enterprise IT security professionals with responsibility for, or influence over, IT and data security from within a total global survey set of 1,200 respondents. Survey, reporting and analysis conducted by IDC, and sponsored by Thales.

Retail organizations universally use digital transformation technologies with sensitive data

96%
of respondents will use sensitive data on digitally transformative technologies.
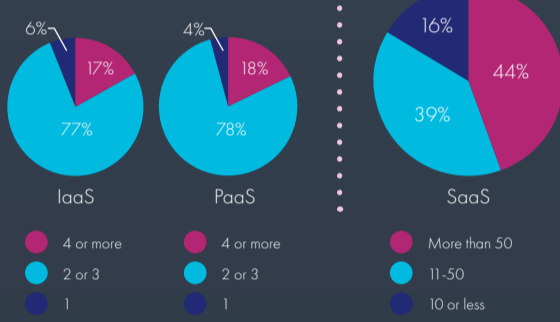
Less than 36%
of respondents are using data encryption within these environments.

The reality of the multi-cloud enterprise

Multi-cloud environments make the job of protecting data more complex.

Number of cloud environments

IaaS
- 6%
- 17%
- 77%

PaaS
- 4%
- 18%
- 78%

SaaS
- 16%
- 44%
- 39%

- 4 or more
- 2 or 3
- 1

- 4 or more
- 2 or 3
- 1

- More than 50
- 11-50
- 10 or less

Driven by the need to protect digital transformation's complex data environments,

40%
rated complexity as a top barrier to implementing data security.

Data breach resistance: No one is immune

62%
of U.S. retail organizations say that they have been breached at any time in their history, with ...

37%
... breached in the last year.

60% (ever)
30% (in the last year)

Global Data Breach Rates

Encryption rates are low

Despite recognizing the importance of protecting sensitive data, encryption rates among U.S. retail organizations are surprisingly low.

36% or less

Of retail organizations polled say they use encryption for the vast majority of use cases studied.

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Data privacy and sovereignty regulations impact nearly all

Retailers face a daunting array of privacy and compliance regulations including California's CCPA, as well as international regulations such as GDPR and PCI DSS.

92%
will be affected by data privacy and sovereignty regulations.

56%
will use encryption and tokenization to meet these requirements.

Data Security doesn't have to be hard

Organizations need to take a fresh look at how they provide data security. Visit the Thales website to download the full report, including IDC recommendations.

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