



2021 Thales Cloud Security Study

The Challenges of Cloud Data Protection and Access Management in a Hybrid and Multicloud World

Multicloud adoption is widespread, exacerbating complexity



58%
of European organisations are using 2+ IaaS providers

45%

agree that it is more complex to manage privacy and data protection regulations in a cloud environment than on-premises



70

Approximate weighted average of SaaS applications used by European organisations

67%

consider securing the combination of on-premises and cloud either 'challenging' or 'very challenging'



Defining cloud security policies is squarely for security teams



84%

of European organisations involve security teams in cloud security decisions



36%

of European organisations' cloud security is run independently by security teams



48%

of European organisations' cloud security is run collaboratively by security and cloud delivery teams

Organisations still have a long way to go for MFA to be broadly adopted

only

16%

use MFA to secure more than half of their cloud services



only

12%

use MFA to secure more than half of their on-premises applications

Key technologies for securing sensitive data in the cloud



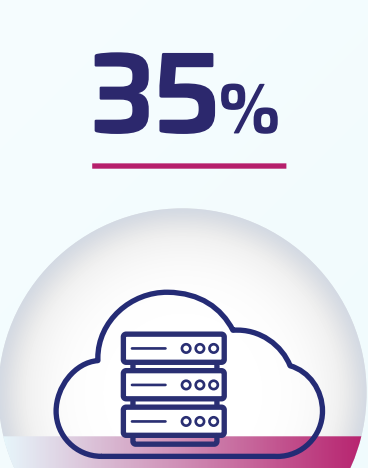
63%
Encryption

56%
Key management

53%
MFA

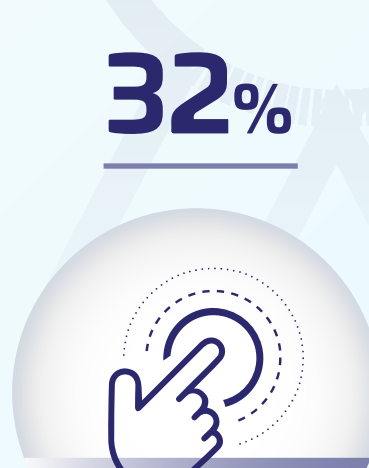
Leading technologies for securing cloud environments

38%



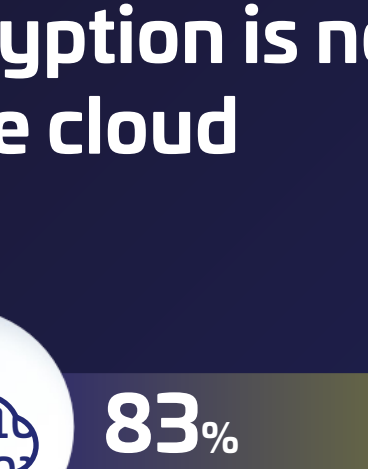
Data Loss Prevention (DLP)

37%



Encryption

35%



Cloud Security Posture Management (CSPM), Cloud Workload Protection Platform (CWPP), Cloud Infrastructure Entitlement Management (CIEM)

32%



Multi-Factor Authentication (MFA)

Encryption is not widespread in the cloud



83%

are encrypting less than half of sensitive data in the cloud



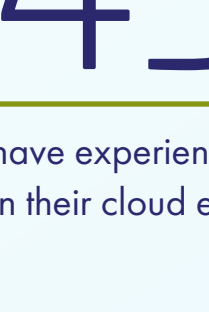
24%

have more than 50% of workloads in public clouds



22%

of respondents stated more than 50% of data in the cloud is sensitive



59%

rely on cloud providers to control all or most encryption keys when data is encrypted in the cloud

Breaches and audit issues are common in cloud environments

43%

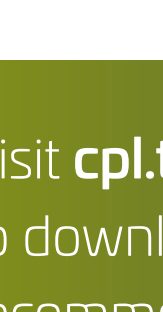
have experienced a breach in their cloud environments



46%

have had either a breach or an audit issue on their cloud environments in the past 12 months

Modern data security for a Zero Trust world



Discover Sensitive Data



Encrypt Sensitive Data



Secure Encryption Keys



Control User Access

Thanks to our sponsors



Visit cpl.thalesgroup.com/cloud-security-research to download the full report, including 451 Research recommendations.

451 Research
S&P Global
Market Intelligence

Source: 2021 Cloud Security custom survey from 451 Research, part of S&P Global Market Intelligence, commissioned by Thales