

2021 Thales Data Threat Report

Data Security in the Era of Accelerated Cloud Transformation and Remote Work

01 COVID-19 brings new challenges for security



COVID-19

Impact of COVID-19 across organizations and remote working are paving way for the increased security challenges as well as areas of strategic security spend.

15%

of respondents are very prepared to handle security risks caused by the pandemic



83%

are concerned about the security risks/threats of employees working remotely.

46%

ranked privacy and security as the most important investment during the pandemic.



02 Multicloud momentum creates opportunities, but increases risks

41%

PaaS

are using two PaaS providers.

37%

SaaS

are using more than 50 SaaS apps.

37%

IaaS

are using one IaaS provider.



55%

state that more than 40% of their data is stored in public cloud properties.



44%

claim that more than 40% of data stored externally is sensitive.



83%

say that more than 50% of the sensitive data stored in the cloud is not encrypted.



28%

have complete knowledge of where their data is stored.

03 Data breaches and security threats increase in complexity

45%

claimed to have experienced a security breach.



47%

report seeing an increase in cyber-attacks in the past year.

48%

saw an increase in Ransomware attacks.



47%

saw an increase in Phishing/Whaling attacks.

04 Threats on the horizon: Quantum Computing



47%

are very concerned about the security threats of quantum computing.



This level of awareness should be generating interest in post-quantum cryptographic techniques and efforts to improve crypto agility.

05 Zero Trust strategy gaining momentum

31%

claim to have a formal strategy and have actively embraced a Zero Trust policy.



75%

rely on concepts of Zero Trust to shape cloud security strategy.

06 Modern Data Security for a Zero Trust World



Discover Sensitive Data



Encrypt Sensitive Data



Secure Encryption Keys



Control User Access

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ANALYTICS

SENETAS

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KEYFACTOR

SYNNEX WESTCON

Visit cpl.thalesgroup.com/data-threat-report to download the full report, including 451 Research recommendations.

451 Research
S&P Global
Market Intelligence

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