

# 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.

22%

of respondents said they were very prepared to handle security risks caused by the pandemic.



81%

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

43%

PaaS

are using two PaaS providers.

28%

SaaS

are using more than 50 SaaS apps.

48%

IaaS

are using two IaaS providers.



54%

say that more than 40% of their data is stored in external cloud.



50%

say that more than 40% of the sensitive data stored in cloud is sensitive.



17%

state that more than 50% of the sensitive data stored in cloud is encrypted.



25%

have complete knowledge of where their data is stored.

03

## Data breaches and security threats increase in complexity

58%

claimed to have experienced a security breach.



49%

report seeing an increase in cyber-attacks in the past 12 months.

54%

ranked Malware as the leading source of security attacks.



47%

saw an increase in Ransomware attacks

04

## Zero Trust strategy gaining momentum

31%

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



76%

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

05

## Threats on the horizon: quantum computing



44%

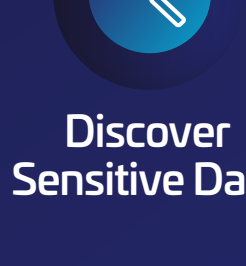
are very concerned about the security threats of quantum computing



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

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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KEYFACTOR

Visit [cpl.thalesgroup.com/data-threat-report](https://cpl.thalesgroup.com/data-threat-report) to download the full report, including 451 Research recommendations.

451 Research  
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Market Intelligence

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