

# 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.

24%

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



86%

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

46%

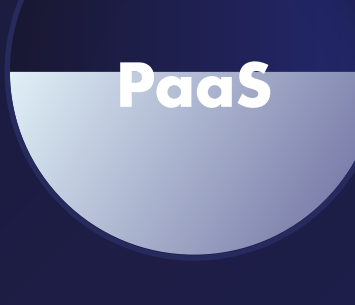
ranked privacy and security as the most important investment during the pandemic.



02

## Multicloud momentum creates opportunities, but increases risks

50%



PaaS

are using two PaaS providers.

59%



SaaS

are using 26+ SaaS applications.

48%



IaaS

are using two IaaS providers.



55%

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



46%

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



20%

are encrypting more than 50% of the sensitive data stored in cloud.



23%

have complete knowledge of where their data is stored.

03

## Data breaches and security threats increase in complexity

49%

claimed to have experienced a security breach.



38%

saw an increase in cyber-attacks in the past year.

53%

saw an increase in Ransomware attacks.



52%

saw an increase in Malware attacks.

04

## Threats on the horizon: Quantum Computing



43%

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

28%

claim to have a formal strategy and have actively embraced a Zero Trust policy as part of their security strategy.



71%

rely on some concepts of Zero Trust security 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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Source: 2021 DataThreat custom survey from 451 Research, part of S&P Global Market Intelligence, commissioned by Thales