Cost of a Data Breach Report 2020

Key Findings and Best Practices for Public Sector Organizations

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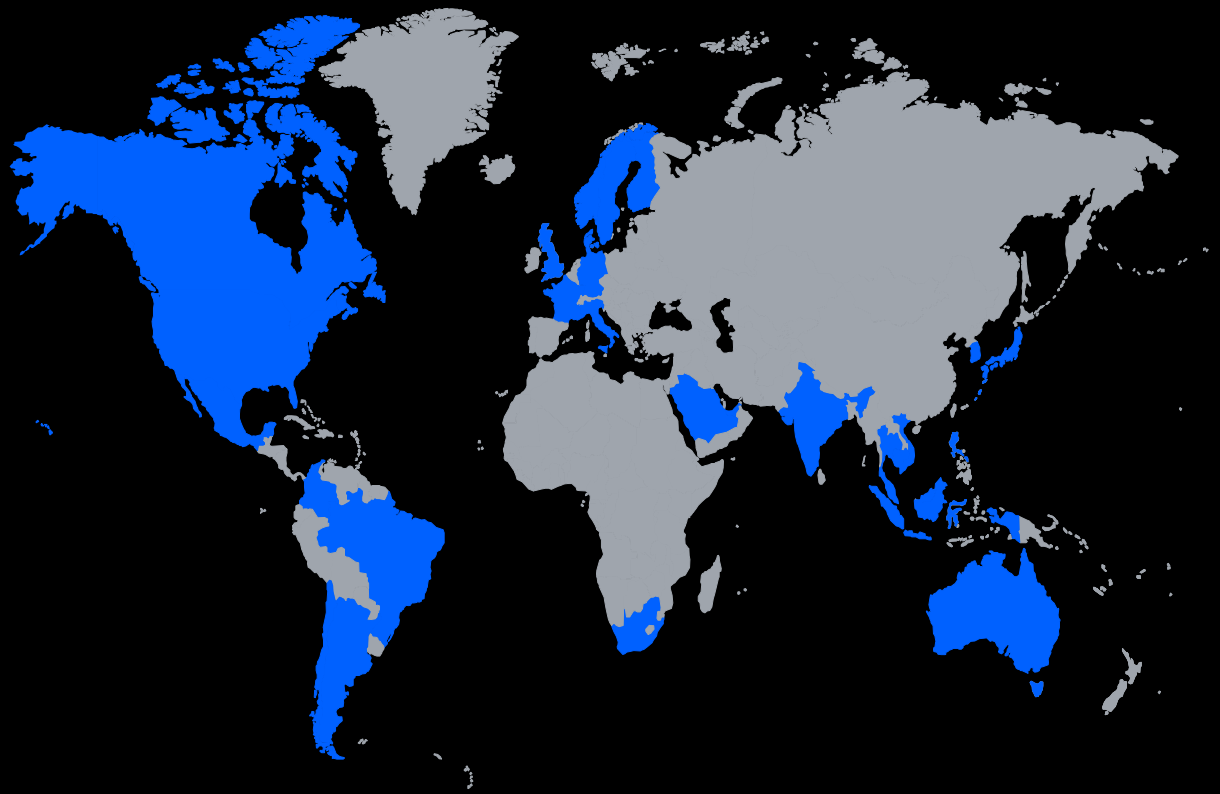
Today’s topics

- 2020 Cost of a Data Breach Report: Key findings
- Minimizing data breach costs: Best practices

Cost of a Data Breach Report

- 524 breaches studied
- 550+ costs factors analyzed
- 17 countries/regions
- 17 industries
- 15th year



Source 2020 Cost of a Data Breach Report

Public Sector highlights

$1.08M

324 days

Breach lifecycle

231 + 93
days to identify and contain

Global Average: 280 days

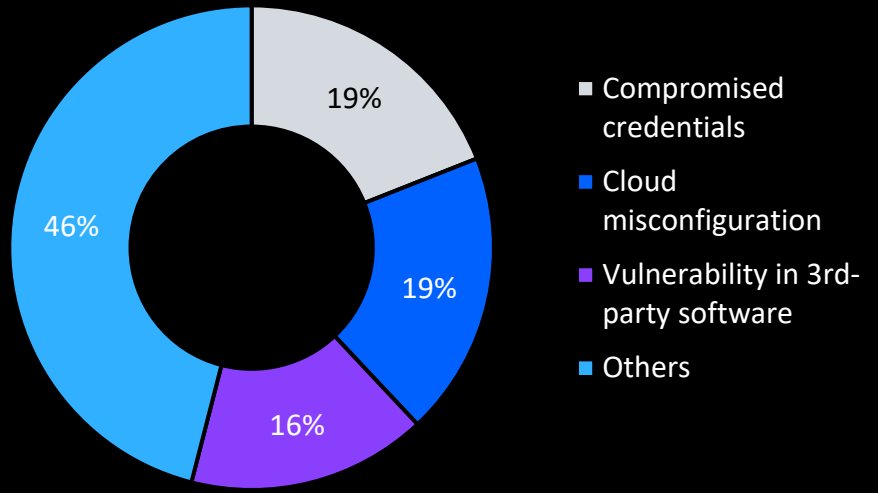
Attack vectors

52%

breaches caused by malicious attacks (criminal attacker or insider)

80% of breaches contained customer PII, costliest per compromised record at **$175**

Top 3 most common initial attack vectors were also the most expensive **avg >$4.6M**

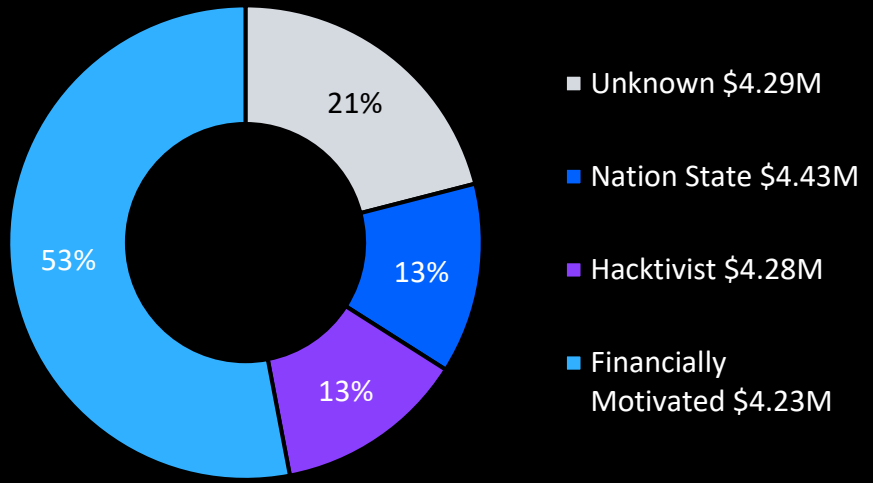


Source 2020 Cost of a Data Breach Report

Threat actors

Nation state attacks
Less common, but costliest

Share of malicious breaches per threat actor type and average cost



Source 2020 Cost of a Data Breach Report

IBM Security Data breach cost factors | Public sector

*Average amount the presence of these factors either decrease (-$) or increase (+$) the average total cost of $1.08M.***

Top 3 cost amplifiers

Cost factor	Cost adjustment from avg.
Cloud migration	+$243,251
Security skills shortage	+$201,077
Complex security systems	+$200,363

Top 3 cost mitigators

Cost factor	Cost adjustment from avg.
Incident response testing	-$311,571
Formation of IR team	-$274,239
Business continuity	-$262,261

Recommendations

- Adhere to a risk management framework such as NIST.
- Deploy risk-based identity and access management controls and enforce principle of least privilege. Consider continuous authentication mechanisms.
- Document, communicate and practice an organization-wide incident response plan, including participants from security, IT, legal, HR, PR and C-level.

*Unless otherwise indicated, stats shown include breaches up to 100,000 records between August 2019 and April 2020.

** Cost factors cannot be combined and only one cost factor can be added/subtracted from average at a time.

Access the report and cost calculator at ibm.com/databreach

Security automation savings

$3.58M

Average data breach cost savings for organizations with full deployed security automation vs. those without.

74 days

Faster to identify and contain a threat with fully deployed security automation vs. those without.

compromised customer PII

Source 2020 Cost of a Data Breach Report

Discussion

Resources

- Download the full report: ibm.com/databreach
- Learn more about IBM Security Incident Response and Intelligence Services ibm.biz/iris-data-breach
- Learn more about IBM Security ibm.com/security
- If you are experiencing an incident, contact X-Force IRIS to help:
  US hotline 1-888-241-9812

  Global hotline (+001) 312-212-8034

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