Recent IT Threats and Best Practices for Insurance Companies

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Y. Andrew Wan
CPA, CFE | Partner
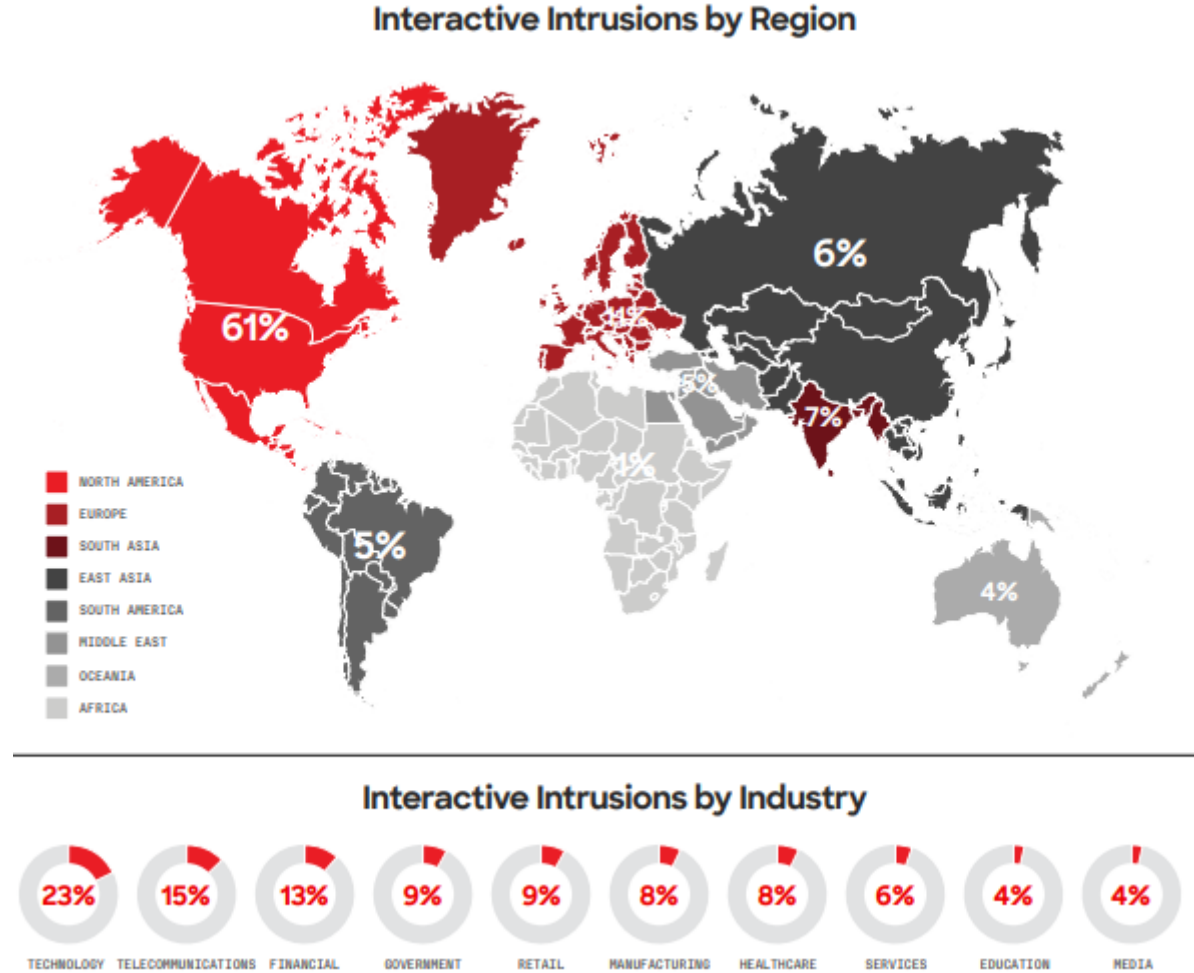
Cameron Hodson
CPA, CISA | Senior Manager

Agenda

- Learn About Recent Threats
  - Business E-mail Compromise (BEC)
  - Ransomware
  - Generative AI Scams
  - Increasing Attack Surface
- Other Suggestions
- Trends in Privacy

Trends

Interactive Intrusions by Region

61% NORTH AMERICA
6% EAST ASIA
7% SOUTH ASIA
5% SOUTH AMERICA
4% OCEANIA

- NORTH AMERICA
- EUROPE
- SOUTH ASIA
- EAST ASIA
- SOUTH AMERICA
- MIDDLE EAST
- OCEANIA
- AFRICA

Interactive Intrusions by Industry

TECHNOLOGY	TELECOMMUNICATIONS	FINANCIAL	GOVERNMENT	RETAIL	MANUFACTURING	HEALTHCARE	SERVICES	EDUCATION	MEDIA
23%	15%	13%	9%	9%	8%	8%	6%	4%	4%

MALWARE-FREE

ACTIVITY

75% 2023
71% 2022
62% 2021
51% 2020
40% 2019

Source: 2024 Global Threat Report: CrowdStrike

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Business E-mail Compromise

BEC Prevention

TRAINING

MULTI-FACTOR AUTHENTICATION

MONITORING (EXTERNAL VS. INTERNAL)

VENDOR MANAGEMENT

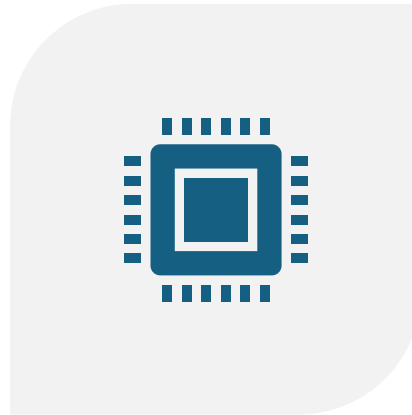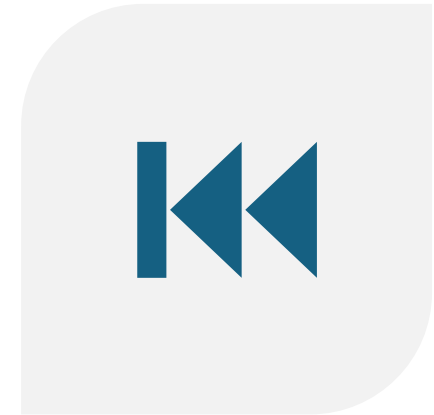Larson
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Ransomware

Ransomware

Ransomware Prevention

TRAINING

ENDPOINT PROTECTION
SYSTEMS (PATCHES, ANTI-VIRUS,
ETC)

BACK-UPS

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Generative AI Scams

Generative AI Scams

Generative AI Scams

Generative AI Scams

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Artificial intelligence (AI)

⏱ This article is more than **1 year old**

AI can identify passwords by sound of keys being pressed, study suggests

Researchers create system using sound recordings that can work out what is being typed with more than 90% accuracy

Nicola Davis *Science correspondent*

Tue 8 Aug 2023 10.44 EDT

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📷 The researchers say there are a number of ways the risk of such acoustic 'side channel attacks'
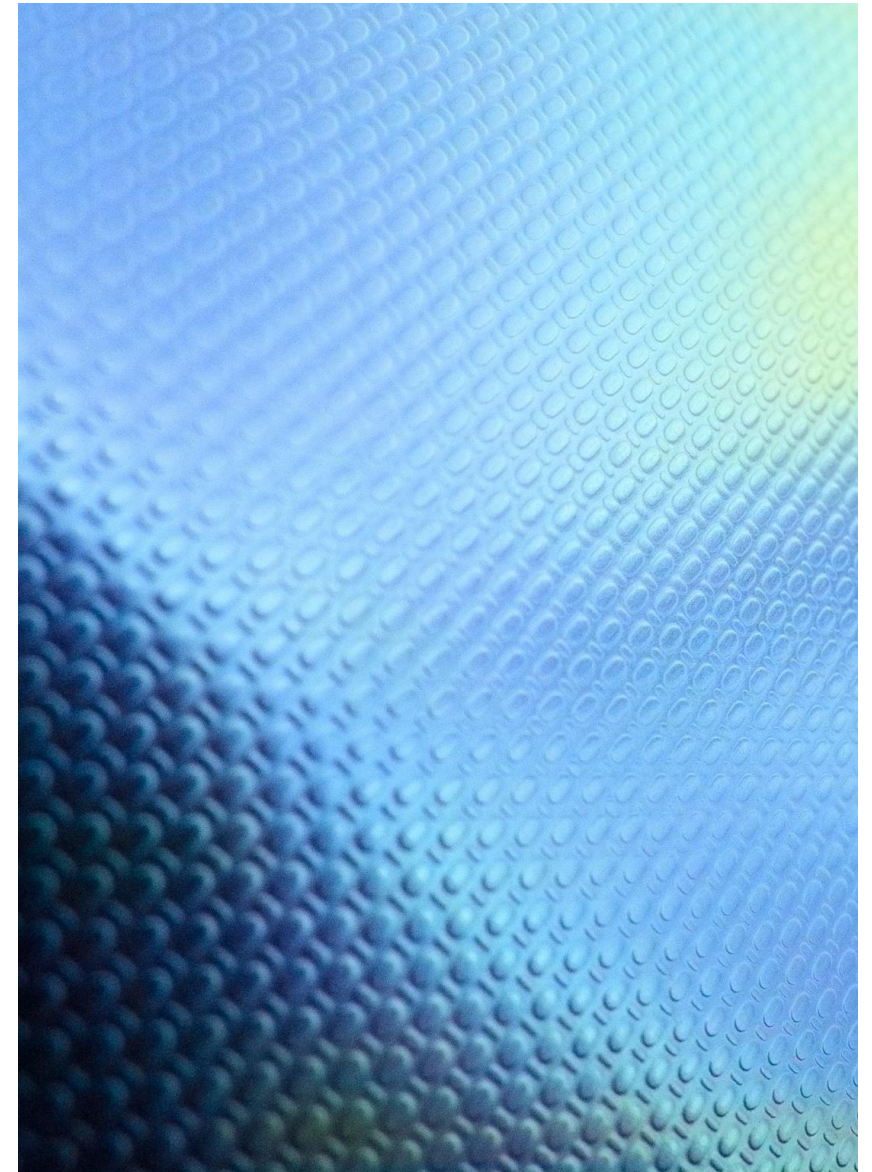
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Generative AI Scams Preventions

Training

Web Content Management

Policies for Work Environment and Gateways

Password Managers coupled with MFA

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Increasing Attack Surface

Increasing Attack Surface

Shadow IT: Unsanctioned/Unknown Use of:

- IT devices
- Software
- Services

Outsourcing services

Other Suggestions

- Policies
- Monitoring
- Development Controls
- Risk Assessments
- Vendor Management

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Privacy Trends

Source: IAPP

The growth of US state privacy legislation

- 2018: 2, 1
- 2019: 16, 0
- 2020: 24, 1
- 2021: 29, 2
- 2022: 59, 2
- 2023: 59, 7
- 2024: 41, 7

● Number of bills considered
● Number of bills enacted
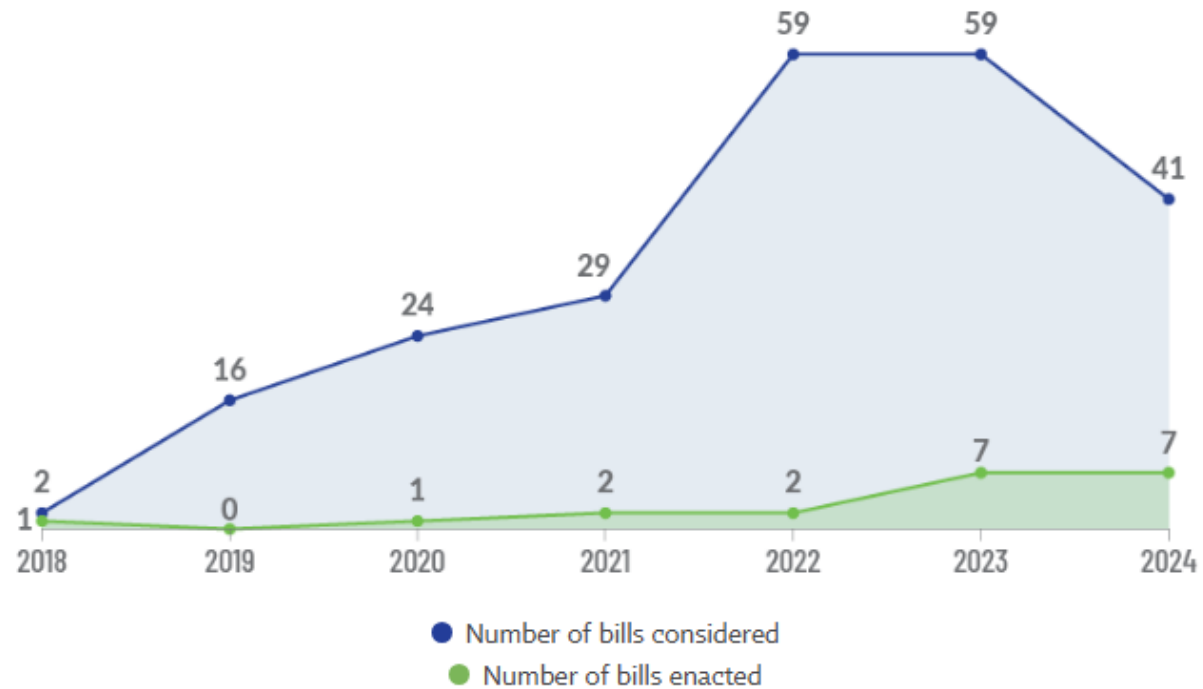
Privacy Trends

- Source: IAPP

Comprehensive US State Privacy Laws
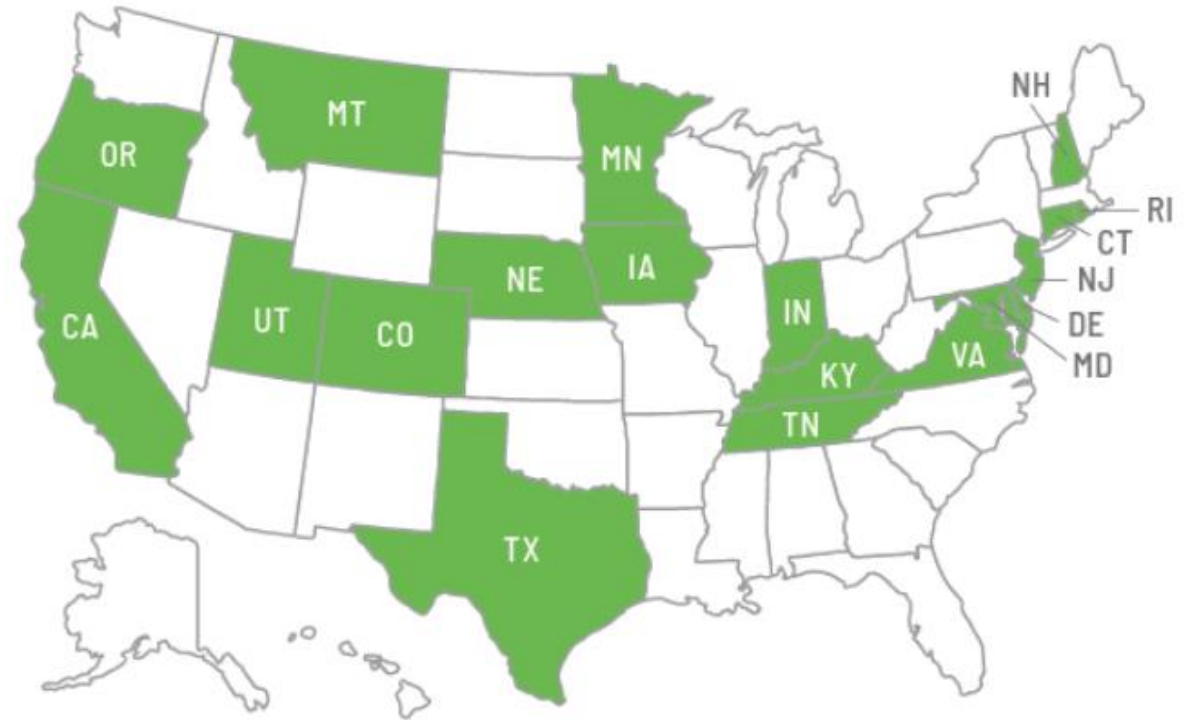
Common Privacy Legislation Attributes

Consumer Right
- Access
- Correct
- Delete
- Opt-out or in of certain processing and sales
- Portability
- Automated Decision Making
- Civil Legal Action

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Common Privacy Legislation Attributes

Business Obligations
- Opt-in default
- Notice/transparent Requirement
- Risk Assessments
- Prohibit Discrimination
- Purpose/processing limitation
  - Retention limits
  - Vendor Management

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