

## WINNING PRACTICES

### INNOVATIVE APPLICATIONS

# *The Emerging Cyber Threat: How Plan Sponsors Can Prepare for Tomorrow's Threats*

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Assunta Vivolo, SEC

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#### Cyber Security Landscape

### Who's behind the breaches?

- 73% perpetrated by outsiders
- 28% involved internal actors
- 2% involved partners
- 2% featured multiple parties
- 50% of breaches were carried out by organized criminal groups
- 12% of breaches involved actors identified as nation-state or state-affiliated

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Verizon - 2018 Data Breach Investigations Report 11th edition

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### Cyber Security Landscape

#### **What are other commonalities?**

- 49% of non-POS malware was installed via malicious email
- 76% of breaches were financially motivated
- 13% of breaches were motivated by the gain of strategic advantage (espionage)
- 68% of breaches took months or longer to discover

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### Cyber Security Landscape

#### **Who are the victims?**

- 58% of victims are categorized as small businesses

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#### Cyber Security Landscape

### What tactics are utilized?

- 48% of breaches featured hacking
- 30% included malware
- 17% of breaches had errors as causal events
- 17% were social attacks
- 12% involved privilege misuse
- 11% of breaches involved physical actions

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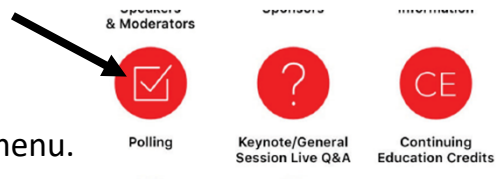
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### Polling Questions #1-5

1. Select **Polling** from the main navigation menu.
2. Select **The Emerging Cyber Threat**.
3. Scroll down to **Live Polls**.
4. Select the question, select your answer and tap finish to submit.
5. Exit poll and repeat steps for all questions.



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6

