Abnormal

CISO Chat(GPT):
Protecting Against the Threat of Generative AI

CSO50 - October 2023

Our Panelists

Prabhath Karanth (PK)
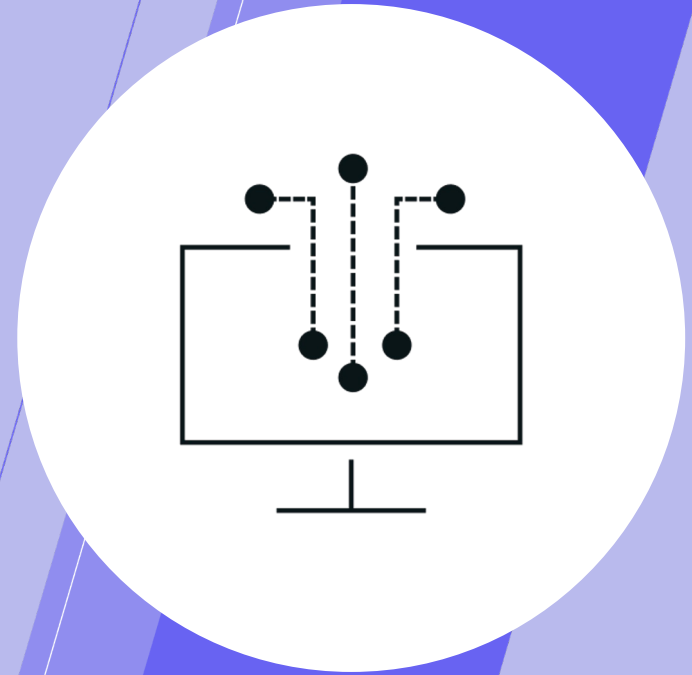VP - Global Head of Security & Trust

navan

Mick Leach
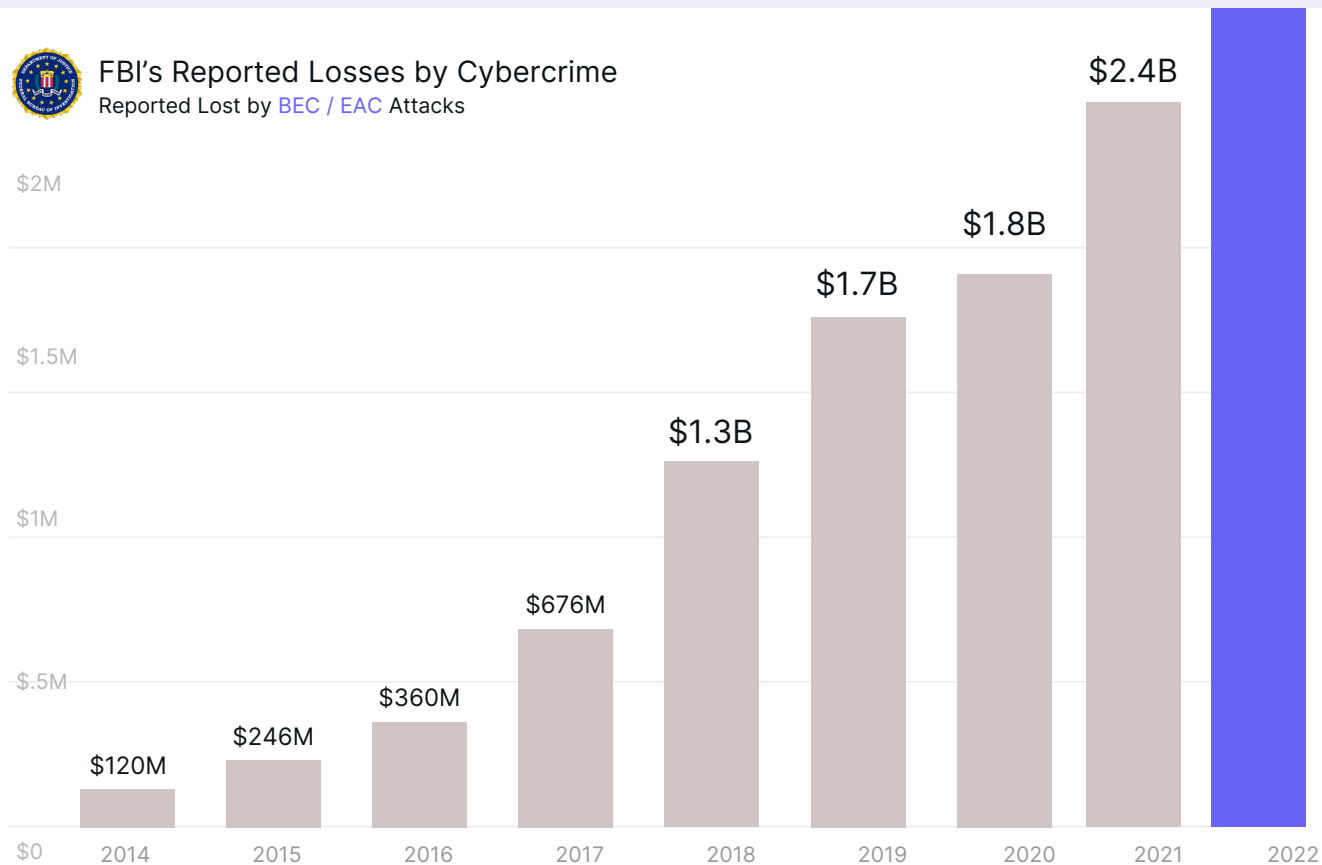Field CISO

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What are today's modern email threats?

Social Engineering is a Major Security Issue

$2.7B

FBI's Reported Losses by Cybercrime
Reported Lost by BEC / EAC Attacks

Chart: FBI's Reported Losses by Cybercrime (Reported Lost by BEC / EAC Attacks)

Year	Loss
2014	$120M
2015	$246M
2016	$360M
2017	$676M
2018	$1.3B
2019	$1.7B
2020	$1.8B
2021	$2.4B
2022	$2.7B

Y-axis: $0, $.5M, $1M, $1.5M, $2M

The Financial Impact of Business Email Compromise:

Total Exposed Losses Since 2013:
$51 Billion

Average Lost per Successful Attack:
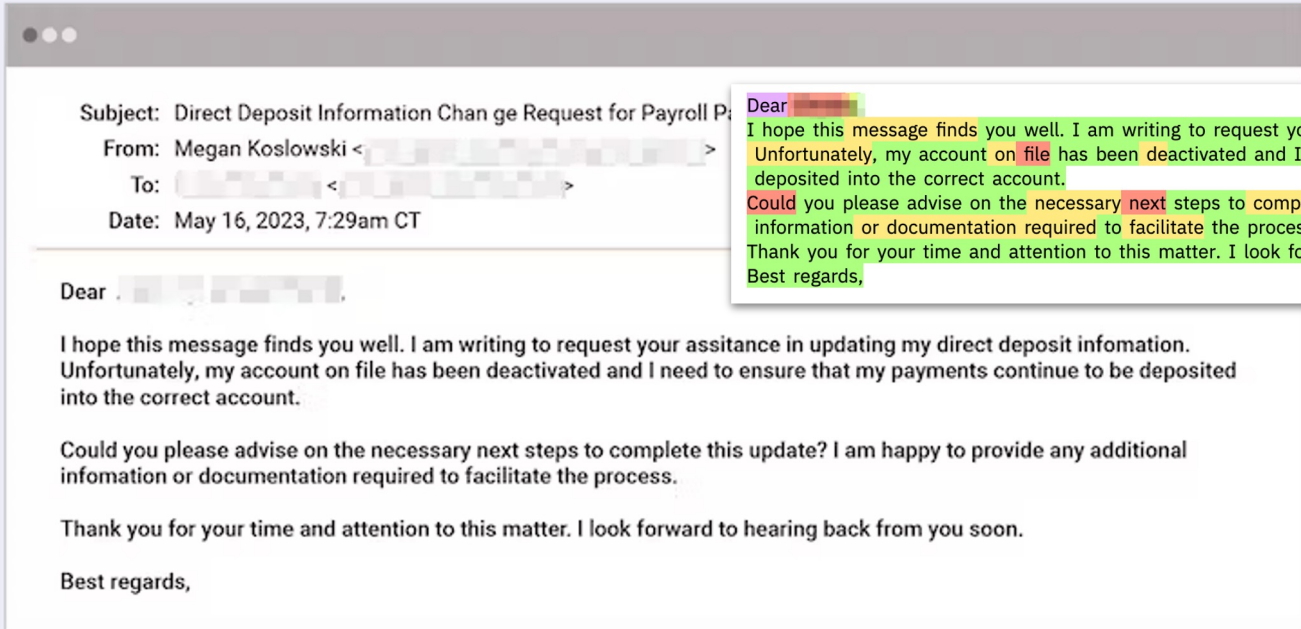$125,612

Increase in Losses Since 2020:
47%

How is generative AI changing cybercrime?

BEC Attack Generated by ChatGPT/Generative AI

Subject: Direct Deposit Information Change Request for Payroll Pa

From: Megan Koslowski <░░░░░░░░░░░>

To: ░░░░░░░░ <░░░░░░░░░░░>

Date: May 16, 2023, 7:29am CT

Dear ░░░░░░░░,

I hope this message finds you well. I am writing to request your assitance in updating my direct deposit infomation. Unfortunately, my account on file has been deactivated and I need to ensure that my payments continue to be deposited into the correct account.

Could you please advise on the necessary next steps to complete this update? I am happy to provide any additional infomation or documentation required to facilitate the process.

Thank you for your time and attention to this matter. I look forward to hearing back from you soon.

Best regards,

Third-Party Results

Open AI:
Likely AI

GPTZero:
Likely to be written entirely by AI

What is needed to stop these attacks?

Thank You!

Prabhath Karanth (PK)
VP – Global Head of Security & Trust

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Mick Leach
Field CISO

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