Why Should We Worry?

Cybercrime is the greatest threat to every company in the world.

– Ginni Rometty

• Ongoing pressure to automate & streamline service delivery
• Consistently at the top of the list of Board concerns
Targeting the Weakest Links

Current Public Fund Cyber Risks:

1. Hacking Attacks
   • Against the fund
   • Against third-party service provider

2. Loss of laptops/memory devices
   • Containing member data

3. Human Error
   • Administrators with data access

4. Virus or Malware
   • Introduced to systems

5. Trustee / employee targeting
   • Falling victim to phishing emails
Oklahoma Law Enforcement Retirement System

2019 Hackers Stole ~$4.2M

👩 Hacked employee’s email
Iowa Public Employees' Retirement System

2017 Hackers Used Member Information

- 103 retiree records compromised
- Set up online accounts
  - Used social security and date of birth information
- Stole hundreds of thousands of dollars
Federal Retirement Thrift Investment Board

2012 Hackers Got Access to Participant Data

- Accessed data for 123,000 participants
- For approximately 10 months
BlackRock and LPL Financial

2019 Data Leak

- BlackRock posted a small number of sales-related documents
- Promptly removed once discovered
- Exposed personal information for 20,000 advisors and clients
- Included 12,000 LPL Financial records
Additional Breaches in 2019

- Blur
- Town of Salem Video Game
- DiscountMugs.com
- BenefitMall
- OXO
- Managed Health Services of Indiana
- Fortnite
- Oklahoma Department of Securities
- Collection 1
- Greater Ice Cream
- Online Betting Sites
- Ascension
- Alaska Dept of Health & Social Services
- Rubrik
- Critical Care, Pulmonary & Sleep Associates
- Houzz
- Catawaba Valley Medical Center
- Huddle House
- EyeSouth Partners
- Dunkin’ Donuts
- Coffee Meets Bagel
- 500px
- North Country Business Products
- Advent Health
- Coinmama
- UW Medicine
- Uconn Health
- Down Jones
- Rush University Medical Center
- Health Alliance Plan
- Pasquotank-Camden Emergency Medical Services
- Spectrum Health Lakeland
- Rutland Regional Medical Center
- Zoll Medical
- MyPillow & Amerisleep
- Facebook (x3)
- Oregon Department of Human Services
- Federal Emergency Management Agency
- Family Locator
- Milestone Family Medicine
- Verity Health Systems
- Earl Enterprises
- Verifications.io
- Georgia Tech
- Baystate Health
- Prisma Health
- City of Tallahassee
- Microsoft Email Services
- Steps to Recovery
- EmCare
- Bodybuilding.com
- Atlanta Hawks
- Docker Hub
- Citrix
- AMC Networks
- Wyzant
- Freedom Mobile
- Pacers Sports & Entertainment
- Uniqlo
- WhatsApp
- Instagram
- Immediate Health Group
- First American Financial Corp.
- Canva
- Flipboard
- Checkers
- Quest Diagnostics
- LabCorp
- Opko Health
- Emuparadise
- U.S. Customs and Border Protection
- Evite
- Total Registration
- Evernote
- EatStreet
- Oregon Department of Human Services
- Desjardins
- Dominion National
- Maryland Department of Labor
- Los Angeles County Department of Health Services
- Essentia Health
- Fieldwork Software
- Clinical Pathology Laboratories
- Sprint
- Los Angeles Personnel Department
- Poshmark
- StockX
- Presbyterian Healthcare Services
- CafePress
- State Farm
- Hy-Vee
- Choice Hotels
- BioStar 2
- MoviePass
- Hostinger
- Foxit
- Providence Health Plan
- Dealer Leader, LLC.
- DoorDash
- Zynga
Today’s Panel Discussion

Brad Kelly
Partner
Global Governance Advisors
brad.kelly@ggainc.com
(416) 707-4614

Peter Landers
Partner
Global Governance Advisors
peter.landers@ggainc.com
(416) 799-6640

Peter Marsack
Chief Operating Officer
Tegrit
peter.marsack@tegrit.com
(734) 402-8989
Additional Information

Useful Checklists and Resources:

- Department of Homeland Security - CERT
  - https://www.us-cert.gov
- Department of Homeland Security - CISA
  - https://www.cisa.gov
- Federal Trade Commission - OnGuard Online
  - https://www.consumer.ftc.gov/features/feature-0038-onguardonline
- Each state should have their own resource, e.g. State of Michigan:
  - https://www.michigan.gov/som/0,4669,7-192-78403_78404---,00.html