



# Planning for a Ransomware Attack:

## Practical steps for response preparedness and risk mitigation

### Panelists:

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## Agenda

1. Introductions & Overview
2. Panelist remarks
3. Special topics
  - A. Contracts
  - B. Incident response preparedness
  - C. Cybersecurity policies and procedures
  - D. Cyberinsurance
  - E. Consultants
  - F. The response team and phases of the response



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## Introduction & Overview

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### Overview

- Encryption
  - Modification of data
  - Loss of control (systems, data)
- Reconnaissance
  - Intelligence gathering
  - For subsequent attacks (same target, other targets)
- Theft of Data
  - Extortion
  - Shaming (and leaks)
  - Re-sale

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## Tactics

- Dominant threats
  - Ransomware
  - BEC (business email compromise)
  - Third-party incidents
- Phishing: 1 in 6000 e-mails contains malware, up 600%
- Other social engineering
- Remote Desktop Protocol
- Software vulnerabilities
  - SolarWinds
  - Log4J

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## Response Considerations

- How resilient is the organization and its systems?
  - Unavailability of data (business data, customer data, personal data, etc.)
  - Unavailability of systems (communications, billing, fileshare, etc.)
- Recovery measures
  - Analysis of the attack
  - Cleaning the environment
  - Rebuilding
- Compliance and risk mitigation
  - Forensic trails
  - Responding appropriately and in a timely manner
  - Privilege considerations given potential litigation and regulatory inquiries
- After action review and updates (policies, procedures, practices, systems, training).

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