Digital Identity Risks, Remediation, and Compliance

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UMD
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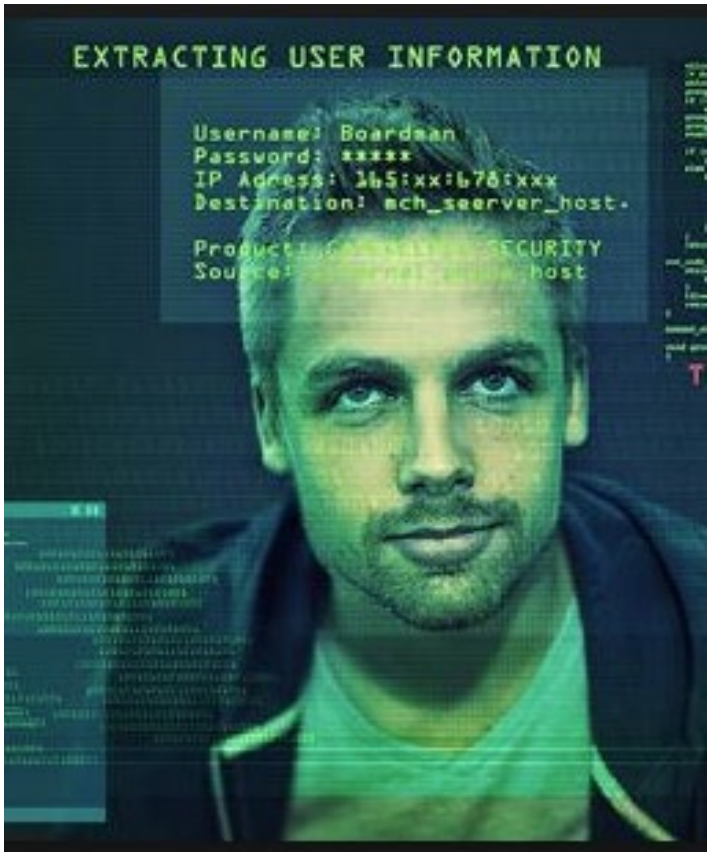
Driven to Discover

Risk Vectors
Prevention
Remediation
Compliance

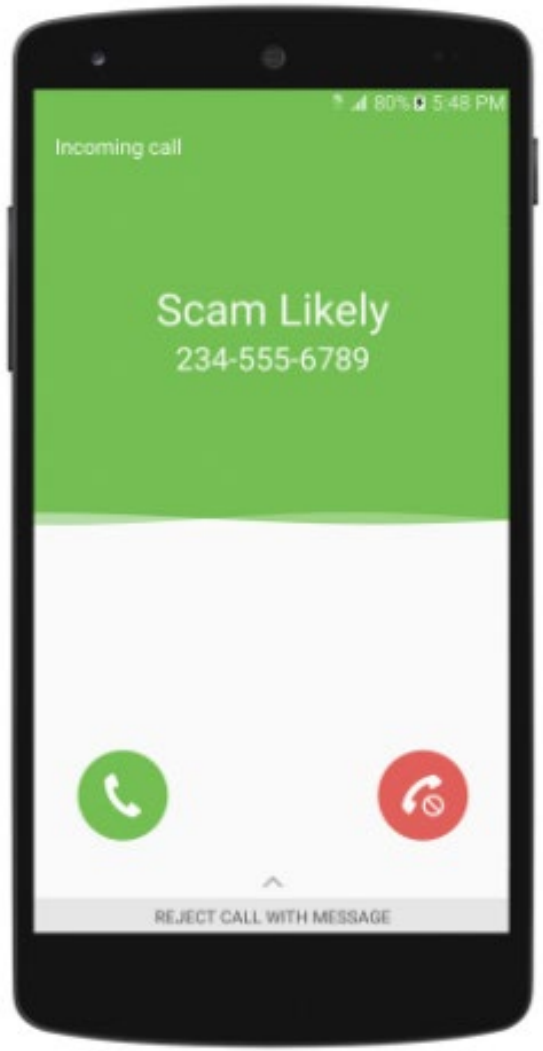


What do they want?

What are some of the ways they will try to get it?

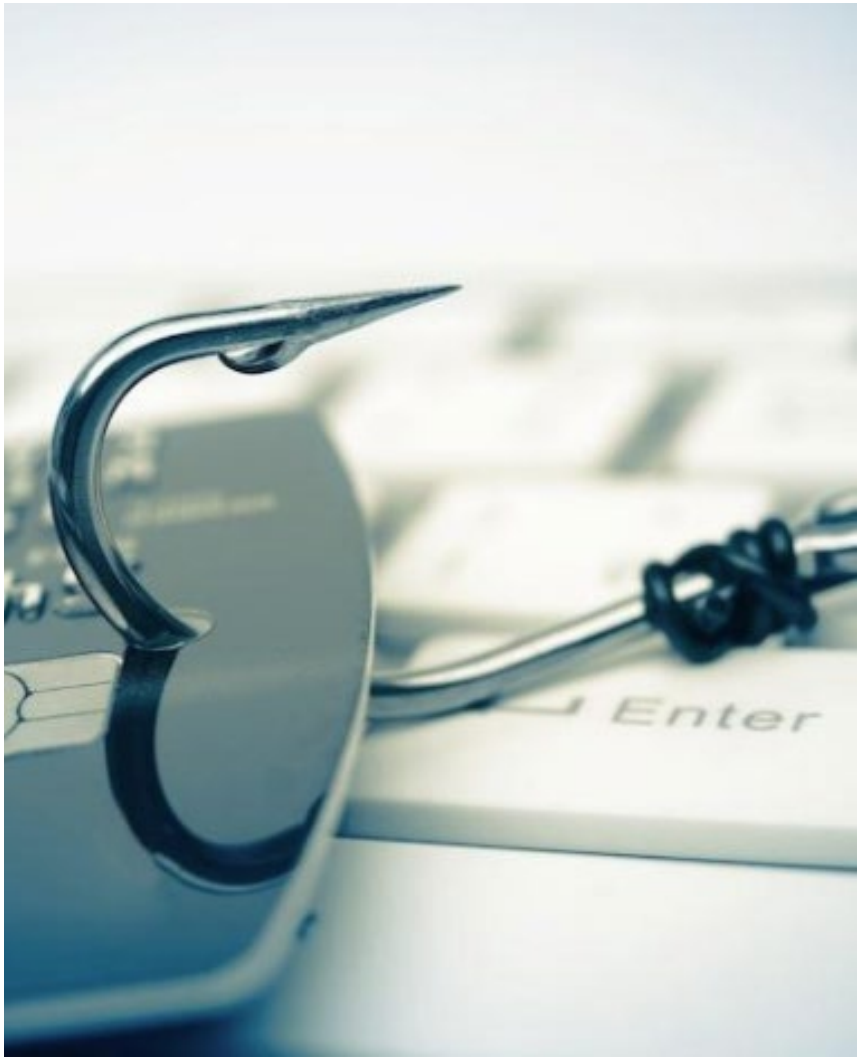
Risk Vectors

Phone / Text
Email
Wireless Hub Spoof
Physical Access
Malware
Data Breach



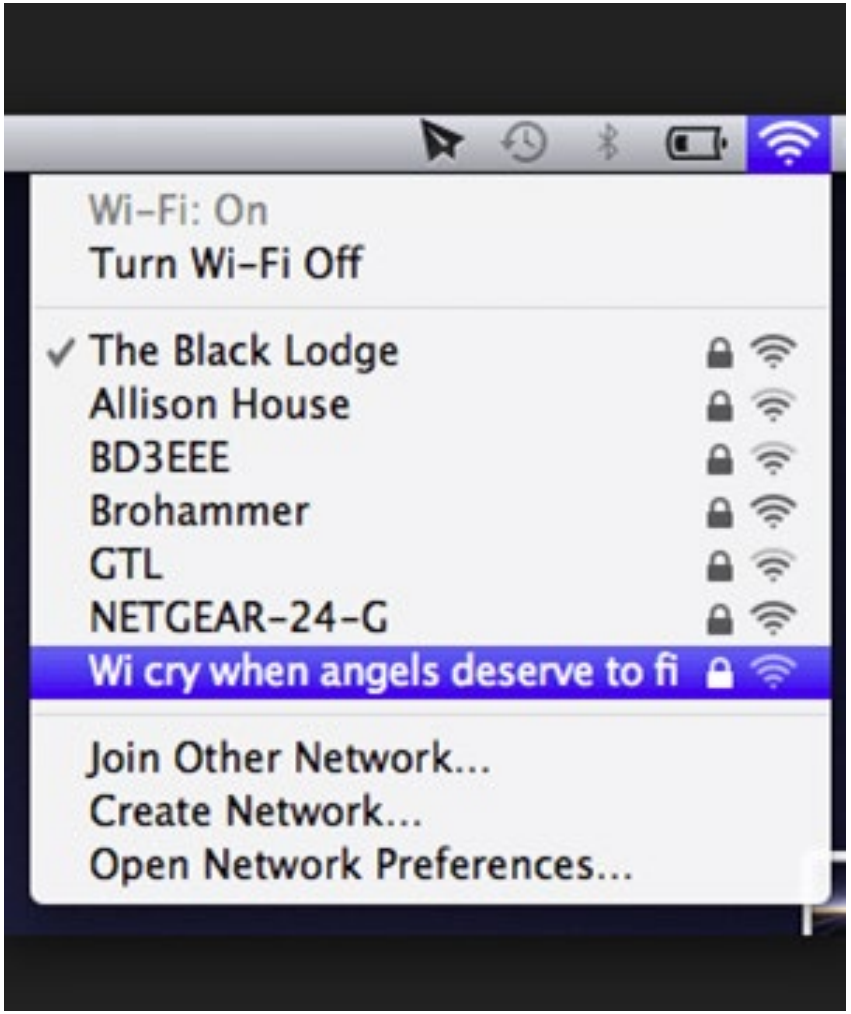
Phone / Text

- Cramming
- Social Engineering
  - IRS or Microsoft (fear)
  - Nigerian Prince (greed)
  - Customer Care (helpfulness)
  - Fake Charity (empathy)



Email

Phishing
Spear Phishing
Malware
Bad Password



Wireless Hub Spoof

Plain Text
Sniffing

Physical Access

Skimmers
Key Loggers
RFID Scan
Lost Items

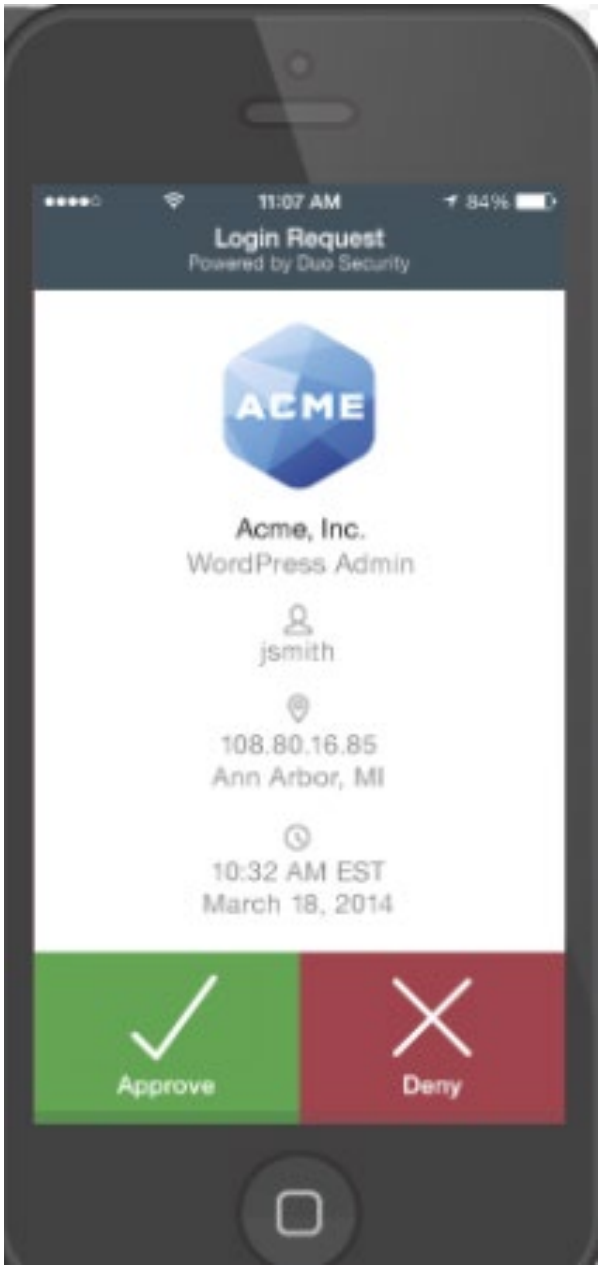
Data Breach

Credit Card
SSN
Personal Data
Unauthorized Charges

Malware

Via Email
Websites
Apps
Unpatched software

How can you Prevent Digital Identity Theft?



Prevention

Awareness / Avoidance
Physical Precautions
Anti-Malware
Two-Factor
Locking Device
Encryption
Password Manager
Remote Management
Institutional Efforts

How can you recover from Digital Identity Theft?

Remediation

Password Changes

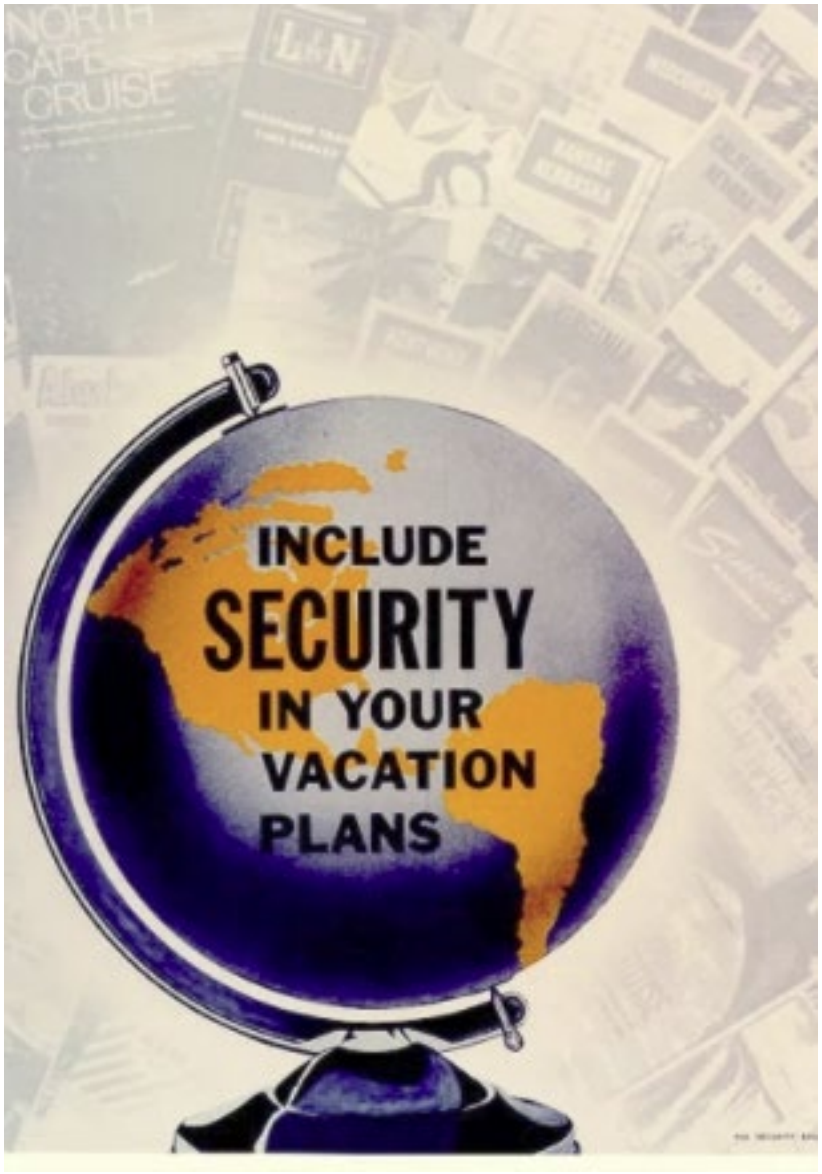
Financial Software

(monitoring your own transactions)

Device Wipe

Credit Freeze

Credit Monitoring



Down Sides to Security

Travel Issues
Inconvenience
Security Fatigue

Compliance

HIPAA, PCI
FERPA
GLBA

Audits
Risk Assessments
Gap Analysis

Questions?

https://it.umn.edu/news/security-privacy

https://itss.d.umn.edu/security-policies/malware-virus-phishing