

Cybersecurity & Privacy: The Foundation of a Smart City

Smart Solutions Workshop: Technology & Innovation in
Metro-Atlanta Cities

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City of Decatur, Georgia

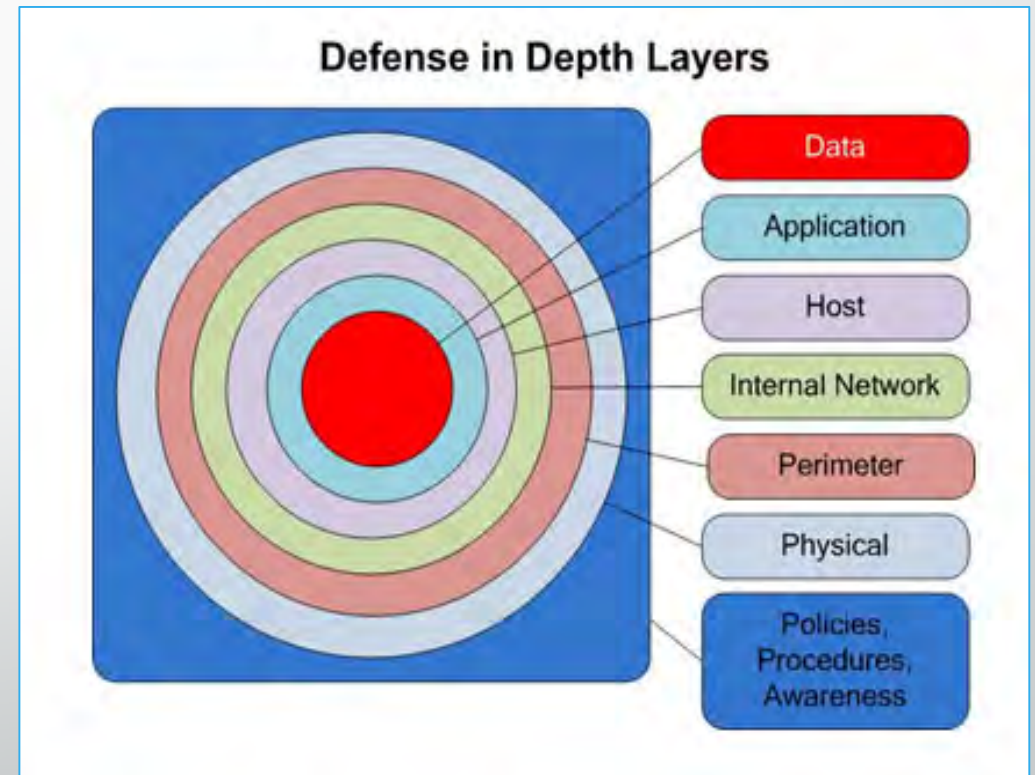
- ~20,000 population
- 225 full-time employees
- 0 IT staff
- IT services outsourced-VC3, Inc.
- Hosted Cloud Environment
- Technology Committee

Cybersecurity-why should you care?

- Cybersecurity threats and techniques are becoming more sophisticated
- Government agencies are being targeted
- Cybersecurity attacks pose multiple risks to local governments:
 - Release/sell/destroy sensitive data (legal, personnel, financial)
 - Immobilize computer systems & disrupt services
 - Physical destruction (utilities, dams, traffic signals)
 - Compromise communications channels (social media, website, emails)

Cybersecurity Risk Assessment

- Georgia Tech Research Institute (GTRI)
- Defense in Depth model
- National Institute of Standards & Technology (NIST) Cybersecurity Framework
- Identify, assess & respond to risks



Defense in Depth

Policies, Procedures & Awareness

- Incident Response Plan*
- Training-SANs Institute
- Policies-IT User, Portable Media, Passwords

Perimeter-1st Line of Defense

- Intrusion Detection Services
- Intrusion Prevention Services
- URL filtering

Incident Response Plan



Defense in Depth

Internal Network

- Access Control Lists-prevent lateral attacks
- Segment Network
- Network Jacks

Host-Servers, Workstations, OS

- Windows Firewall
- Antivirus, Malware software

Defense in Depth

Applications

- Storage of sensitive data
- Website separate from network

Data

- PII storage
- Approval process to access data
- Mobile Device Management

Privacy Policy

Purpose

- Transparency to the public
- Protect personal data privacy rights
- Awareness of vendors' privacy standards

Categories to Address

- Personal Identifiable Information
- Mobile Application Tracking
- IP Addresses
- Public photos & videos
- Sensors-transparency and/or consent
- Children's privacy



Questions?

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