



Security and Privacy

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Security Vs. Privacy Debate

- Security and privacy are not on opposite ends of a seesaw
- Goals are closely related
 - You can have security without privacy
 - You can't have privacy without security
- Government needs both
 - Protection of data and critical government systems
 - Protection of citizens personal dignity



Threat Landscape

- 90%** Hacks perpetrated by external actors
- 60%** Systems compromised within minutes
- 75%** Initial compromises that spread within 24 hours
- 50%** New vulnerabilities that became full exploits in less than 30 days
- 70 – 90%** Malware samples that are unique to an entity



*More Threats
More Targeted
More Sophisticated*

Service Stack

Information Security Program Management

Endpoint Defense

Boundary Defense

Vulnerability Management

Incident Response & Forensics

Monitoring

Secure Engineering

Risk and Compliance

Security Awareness

Disaster Recovery

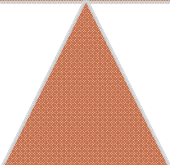
Identity and Access Management

Physical Security Oversight

Local Delivery

Central Delivery

Primarily Centralized Services Line of Business Services



Privacy By Design

- Important to address privacy requirements during design
- Extremely difficult and costly to retrofit legacy systems
 - Audit logs
 - Embedded security safeguards
- Some privacy requirements mandated
 - MnSURE
 - IRS Treasury Circular 1075

OECD Privacy Principles

- Collection Limitation
- Data Quality
- Purpose Specification
- **Use Limitation**
- **Security Safeguards**
- Openness
- **Individual Participation**
- Accountability

Responsibilities

- **Management** owns risk
- MN.IT **helps management** understand and manage risk
 - Comprehensive information security program
 - Secure business solutions
 - Ongoing risk assessments
 - Metrics





Questions

