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# Information Governance: The Foundation for Information Security

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"People are supposed to fear the unknown, but ignorance is bliss when knowledge is so damn frightening."*

*Laurell K. Hamilton, *The Laughing Corpse*

The average Petabyte of data contains 2,312,000,000 files.*

Polling Question #1

"By 2025, IDG projects that there will be 163 zettabytes of data in the world, and estimates indicate that <u>80% of this data is unstructured</u>."

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# Stale Data

Docs

Text

E-Comm

Archives

HTML

Code

Media
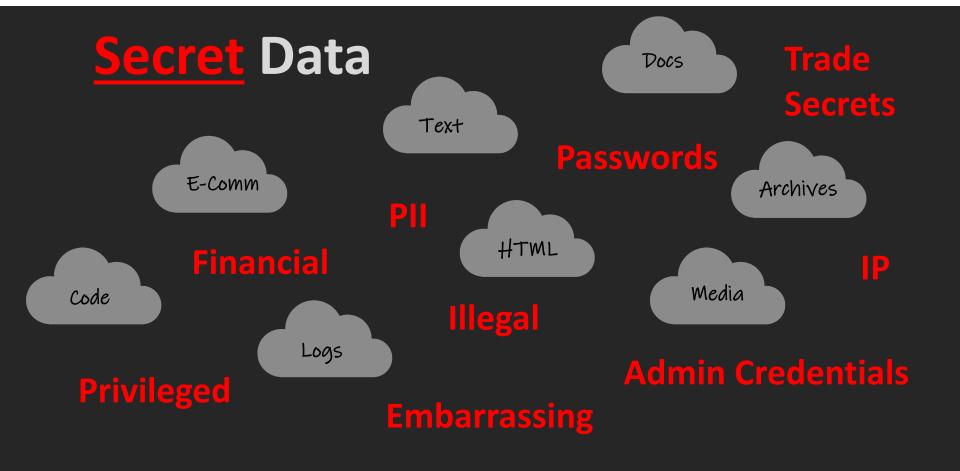
Logs

**ROT – Redundant, Obsolete, Trivial/Transient**

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ISO 27001 CERTIFIED
A-LIGN

Polling Question #2

"On average, organizations managed 9.7 petabytes of data in 2018, representing explosive growth of <u>569 percent</u>, compared with the 1.45 petabytes managed in 2016."

# Information Governance:

"An organization's coordinated, interdisciplinary approach to satisfying information compliance requirements and managing information risks while optimizing information value."

https://thesedonaconference.org/publication /Commentary_on_Information_Governance

Polling Question #3

# Four Foundational Elements of IG

**Structure**

- Retention Schedule
- Information Asset Inventory
- File Plan

**Direction**

- Policies & Processes
- Data Classification
- Legal Hold Guidance

**Resources**

- Training
- Technology
- Records Management

**Accountability**

- Executive Mandate
- User Responsibility
- Audits

**Allows for Defensible Disposition to:**

- Limit scope of a breach
- Limit exposure of protected information
- Control storage costs
- Minimize e-discovery costs
- Gain efficiencies
- Leverage good data

**Reduce Risk**

**Enhance Compliance**

**Manage Costs**

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Polling Question #4

# Legal & Compliance Drivers

**HIPAA / HITECH**

**Gramm-Leach-Bliley Act**

**PCI-DSS**

**FERC / NERC**

**FACTA** (Fair and Accurate Credit Transactions Act)
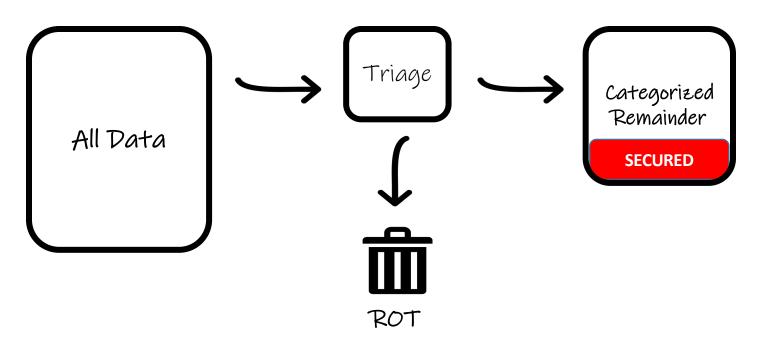
**State PII Security Laws**

**FTC Enforcement under FTC Act § 5**

# Security Standards Support for IG – ISO and NIST

- **ISO 27001:2013** – Information Asset Management

- **NIST Cybersecurity Framework** – Asset Management

- **NIST SP 800-53, Rev.4** – Security Categorization

- **NIST SP 800-37, Rev.2** – Preparation for Risk Management Framework execution

Should an InfoSec audit evaluate ROT?

**ISO 27002:**
8 – Asset Management
8.1.1 – Inventory of Assets
8.1.2 – Ownership of Assets
8.1.3 – Acceptable Use
8.2 – Classification
8.2.3 – Handling of Assets
8.4 – Media Disposal
18.1.3 – Protection of Records

Yes

Polling Question #5

# Interlude / Reality Check

# First Steps / Next Steps



"Rules for Tools"
Retention Schedule
Enforceable P&P
Security by Design

Human Element
Tone From the Top
Cultural "Will"

Peer Synergies
Pooled Resources

Leveraged Triggers
Jump Start Project

Restricted Storage
Reduced Data Volume

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# 5 KEY TAKEWAYS

1. Unmanaged, unstructured data increases footprint for compromise

2. There are ample regulatory and legal drivers for change

3. Security standards support improved information governance

4. Engaging multiple stakeholders enhances the argument for change

5. Triage and disposition will diminish the attack surface and improve compliance

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# Thank You!

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