

# **IT AUDITS ROUNDTABLE**

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# Objectives

- What are IT audits?
- Conduct IT audits without nerd-level knowledge
- Values of IT audits for an audit shop
- Issues to consider when starting an IT audit

# Governments are Under Attack

The first half of 2015 has shown a shift in attack targets. Health care and **government** overtook retail as the major sectors under attack with the number of compromised data records.

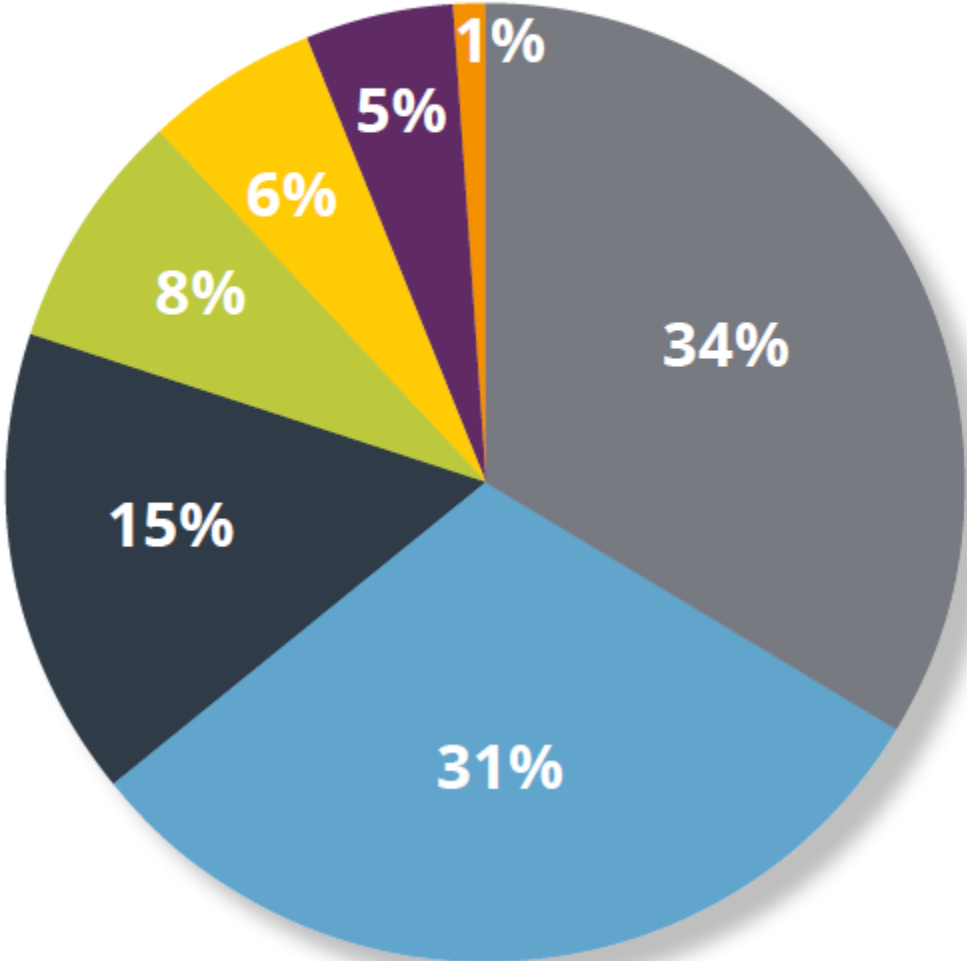
-- Gemalto, 2015 First Half Review

The top three industries affected by security incidents and data breach are **Public, Information, and Financial Services.**

-- Verizon, 2015 Data Breach Investigations Report

# NUMBER OF RECORDS BREACHED BY INDUSTRY

- HEALTHCARE
- GOVERNMENT
- TECHNOLOGY
- RETAIL
- EDUCATION
- OTHER
- FINANCIAL



Source: Gemalto, 2015 First Half Review

Breach Type	Most Affected Industry
Point-of-Sale Intrusions	accommodation, entertainment, retail
Payment Card Skimmers	financial services, retail
Crimeware	<b>public</b> , information, retail
Web APP Attacks	information, financial services, <b>public</b>
Denial-of-Service Attacks	<b>public</b> , retail, financial services
Physical Theft/Loss	<b>public</b> , healthcare, and financial services
Inside Misuse	<b>public</b> , healthcare, financial services
Cyber-Espionage	manufacturing, <b>public</b> , professional
Miscellaneous Errors	<b>public</b> , information, healthcare

Source: Verizon Enterprise Solutions, *2015 Data Breach Investigations Report*, 2015

# Purposes of Cyber Attacks

- Personal identities
- Financial data
- Sensitive/secretive/confidential Information
- Political motivations

# Leading Sources of Security Incidents

- Accidental loss
- Malicious outsiders
- Malicious insiders
- Hacktivists
- State sponsored

# Types of Attack Vectors

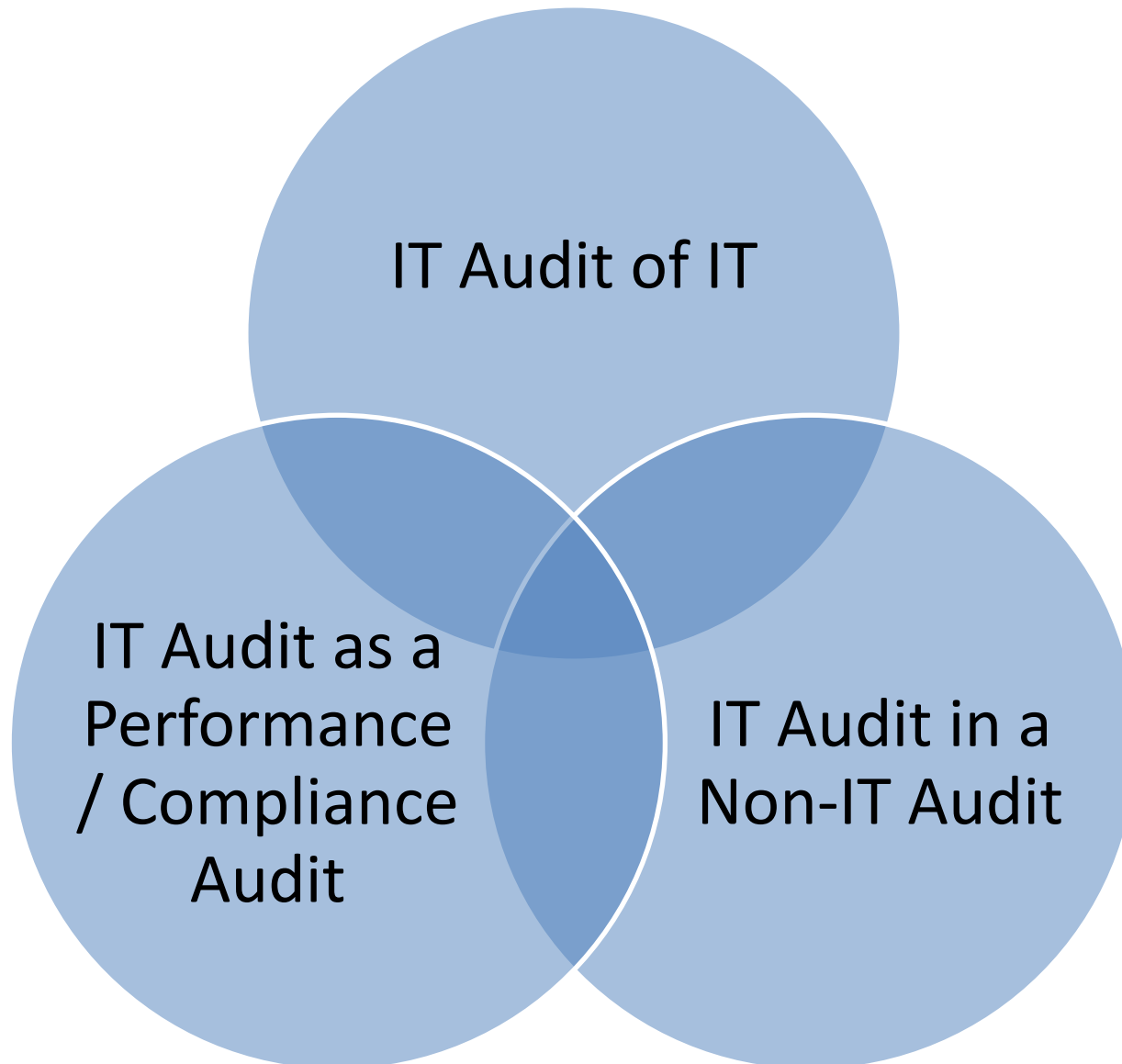
- External/removable media
- Attrition
- Web
- Email
- Improper usage
- Loss or theft of equipment
- Other



# Impacts of Security Incidents or Data Breaches

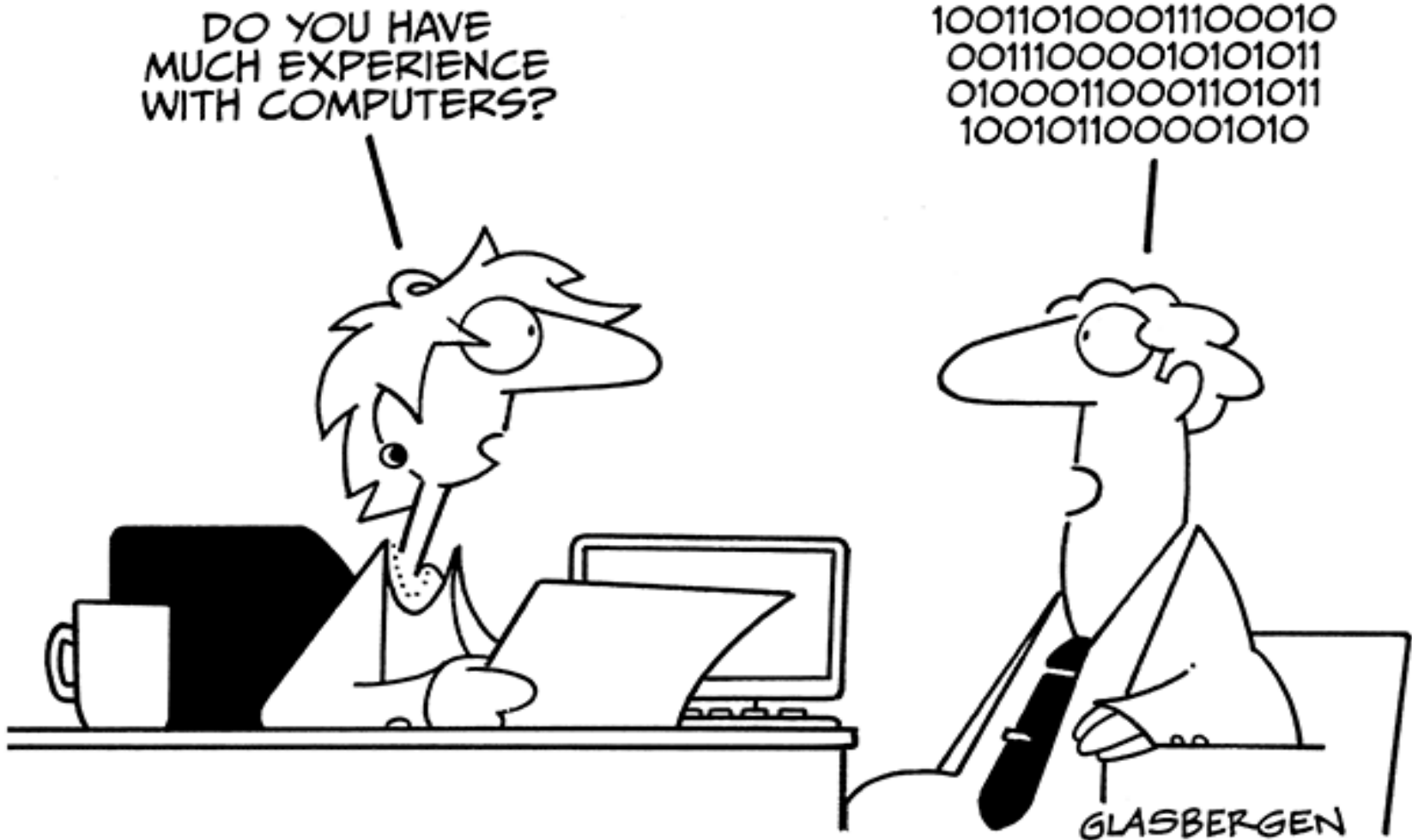
- Public trust and confidence
- Reputation
- Financial consequences
- Legal liability

# What are IT Audits?



# Conduct IT Audits Without Nerd-Level Knowledge

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# Values of IT Audits

- Policy makers
- Agency managers
- Agency staff
- Public

# Issues to Consider When Starting an IT Audit

- Start from basic
- Ask “simple” questions
- Training is important
- Are the results public or “closed”?

# Symantec Guides to Scary Internet Stuff - Phishing

quick guides  
to scary  
internet  
stuff

<http://www.symantec.com/tv/news/details.jsp?vid=67063496001>



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