

Retail most breached

Omni-channel protection and threat mitigation beyond PCI compliance

Retailers are prime targets for cybercriminals. Defensive measures to stop cyber attacks are not enough - Customer trust and brand equity are at stake.

45% of all global data breaches are against retail

48% of eCommerce sites were the #1 target

\$5.4M average cost associated with data breach

Impact of a breach

• Revenue
• Brand reputation
• Consumer confidence

• Customer permanently lost
• Cost for technology changes
• Cost to partners
• Job loss

Cost of managing cyber security breach: ranges from \$1.4 million to \$46 million/year

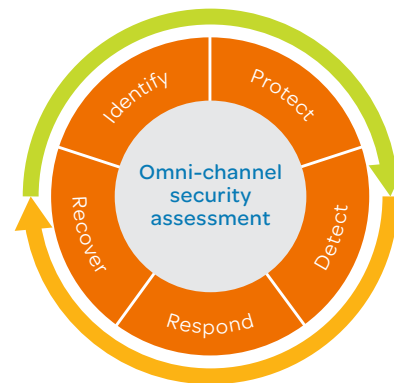
(Source: Ponemon Institute, 56 businesses studied)

Omni-channel protection

Leverages a mix of consulting and managed security solutions to evaluate the maturing of the current-state security framework in place to protect customer, payment, and other sensitive data assets throughout the Omni-channel environment and workflow.

The assessment approach focuses on the impact of people, process and technology across five primary security life-cycle areas:

1. **Identify** the organizational ability to manage cybersecurity risk to assets, data and capabilities
2. Evaluate and recommend opportunities to increase firms ability to **protect** information assets.
3. Recommend opportunities to increase firms ability to **detect** potential security breaches
4. Assess the firms ability to **respond** to security breaches
5. Identify and recommend enhancements to firms capabilities to **recover** from a security breach



Security beyond compliance

Omni-channel security strategy and threat mitigation services

Trends



Global growth of retail



Omni-channel experience and supply chain optimization



Operationalize "Big Data"



CISO challenges and priorities

Gartner Survey - 5 Biggest challenges

- Managing risk
- Reduce CAPEX
- Fill security gaps
- Optimize security gaps
- Adapt to changing regulations

Areas of increased IT Spending in 2014

- Security technologies
- Cloud computing/virtualization
- Wireless/mobile
- Business analytics

Threat landscape



Ongoing threats to the retail ecosystem

- Increase of sophisticated and malicious attacks
- Wide range of motives; economic, campaigns, hactivists
- Hackers already inside the organization



Regulatory requirements / Industry mandates

- Impending chip and pin implementation
- Changes in PCI compliance



Business and IT environment changing

- Cloud and mobile creating new business models
- BYOD and tablets bring new challenges and questions
- Absence or shortage of in-house security expertise



Omni-channel security

Retailers are increasingly shifting towards an "Omni-channel" strategy to engage consumers and capture sales by providing consumers with a consistent, brand-centric experience that allows them to seamlessly shop however they want and whenever they want.

Omni-channel security themes

- Regulations
- Technology Transitions
- Security, Privacy and data protection
- Governance and Organization
- Cyber crime
- Risk Management (Strategic, Financial, Operational, IT, Regulatory compliance risks)