SYMMETRY SYSTEMS

Industry Solution Brief

Technology

Technology companies drive innovation and economic growth. The Internet unleashed businesses to optimize their operations, scale to support growth and enhance customer experiences. However, the Internet of Things, machine learning, artificial intelligence, remote work technologies, communication technologies, and many more have opened up a plethora of cyber risks that businesses must utilize to protect themselves and their data from. Legacy cybersecurity technologies and processes are designed to defend the perimeter and endpoints, not the data the threat actors want to attain. Technology cybersecurity teams need to establish data security practices to protect their most critical asset, their data. Technology companies must protect their reputations, revenue, and trustworthiness by protecting their data.

The Technology Data Security Challenge: Protecting Proprietary Business Information and IP Theft

Vendor/Partner Risk

Technology companies and their products combine mobile, network, hardware, software, and data storage capabilities. These multi-provider networks create dependencies and a massive volume of data that needs to be stored and protected. Businesses, vendors, and customers are interconnected via APIs, portals, and, most importantly, data. If one customer or vendor experiences a breach, this might create a domino effect in which customer data, business data, vendor data, and mission critical data is exposed or stolen.

Compliance and Data Privacy

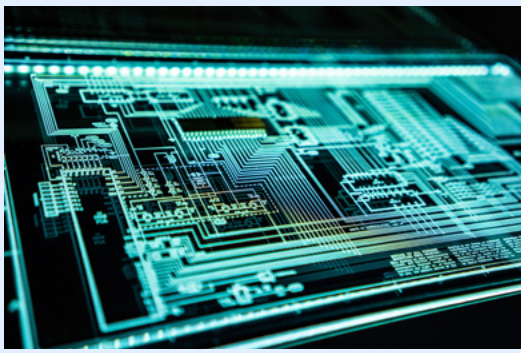
Most technology companies operate across multiple jurisdictions and borders, and are challenged to maintain pace and compliance with various evolving privacy law requirements – GDPR, CCPA, and more.

Intellectual Property (IP) Theft

Technology businesses are targets for IP theft. These organizations protect data such as blue prints, chemical formulas, trade secrets, company contacts, go to market strategies, and more. In order to protect IP, technology companies need to know where it is stored, who has access to it, and what is being done with that data.

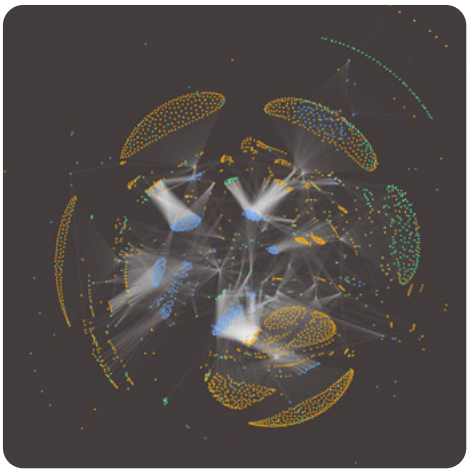
Data Security Best Practices with Cloud Adoption

- Understand where customer data is stored, how it is accessed, and how it is used, so that proper access permissions can be enforced.
- Gain visibility and effectively manage data security posture, e.g., detecting dormant data, while transitioning to hybrid cloud operations.
- Sustain and maintain pace with evolving information security standards and regulatory requirements (such as SOC2, ISO 27001, ISO 27017, ISO 27018, ISO 27701, CIS Standards, CSA STAR, FedRAMP, StateRAMP, TX-RAMP, GDPR and CCPA) while differentiating services from competition.



Symmetry Systems DataGuard

DataGuard is a **data security posture management (DSPM)** solution that extends the Zero Trust philosophy to hybrid cloud data stores. Technology industry cybersecurity teams use DataGuard to develop a complete understanding of what data they have, where it is located, who has access to it, how it is secured and in what manner it has been used. DataGuard enables businesses with a single source of truth about their data security posture and associated data risks across AWS, GCP, Azure, and on-premise environments – **without having data ever leaving their environment.**



DataGuard produced Environment Graph

The cybersecurity industry is saturated with security solutions that focus on peripheral security and protection within the environment. DataGuard directly addresses data objects and examines the cross-section of identity, data store, and data flow to answer important questions:

- **Where is our sensitive data?**
- **Who has access to it?**
- **What operations have they performed against it?**

With DataGuard, cross-functional teams such as security operations, cloud security, compliance, and identity & access management, can enforce least privilege, sustain regulatory compliance, improve their data security posture, and outpace ever-growing data security risks and threats.

Identify Your Data

Perform agentless scans of all data living across AWS, Azure, GCP and on-premise cloud for a real-time snapshot or historical comparisons. DataGuard enables compliance and cloud migration teams to identify where sensitive data resides without having the data leave their cloud environment. With DataGuard, security teams can easily maintain compliance with challenging industry regulations such as **GDPR, CCPA, ISO,** and others.

Gain Full Visibility

Gain visibility into the entire data landscape with a complete, read-only data security posture map. DataGuard surfaces inactive accounts, dormant data stores, anomalous data flows, and cross-account permissions. It simplifies risk, event detection, incident remediation, and forensics for cloud engineering, security operations teams, and incident response teams.

Detect and Respond

Uncover unsafe data access practices and risky operations detected by DataGuard's built in data firewalls. Alert on violations and potential data breaches to minimize cyber risk exposure. DataGuard provides meaningful, evidence-based insights so that security operations teams can shorten the mean-time-to-recovery (MTTR) while reducing the attack surface for malicious acts, such as ransomware.

Protect Your Data

Deploy least privilege permissions on IAM, cloud accounts, and data store access. Cloud security teams can adopt DataGuard provided data firewall recommendations to tighten access control and minimize blast radius. DataGuard bakes data security into your data ecosystem versus adding peripheral protection.

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symmetry-systems.com | hello@symmetry-systems.com

LinkedIn / symmetry-systems-inc

Twitter / @SymmetrySystems