Empowering Cybersecurity Excellence

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New security innovation

AI Security

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Explosive use of AI leads to unknown usage, new risks, misconfigured pipelines, vulnerable training data

New Guardium product will protect AI usage in the cloud with visibility of models, sensitive data, and risks

- Discover and protect sensitive AI training data and track its lineage
- Protect AI models from exfiltration, insider threats and 3rd party access
- Remediate AI vulnerabilities and unapproved open-source content

Quantum Safe

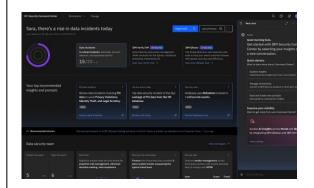


Quantum attacks will soon break encryption, exposing sensitive data that is currently protected

New Guardium product will help clients understand quantum risks, priorities, and begin remediation

- Identify at-risk crypto libraries, datastores, and applications
- Visualize and contextualize risk through dashboards and reports
- Determine remediation plans and automate suggestions

GenAI for Cybersecurity



Security professionals face daily repetitive, complex, and tedious tasks, while often lacking answers

New AI for cyber use cases across data, identity, and other teams to boost productivity and knowledge

- Summarize complex security events and data risk into key insights
- Generate content to stay ahead of compliance violations and threats
- Empower junior staff to level-up by using AI to explain security alerts

Six Forces Impacting Security Decisions

Judgement is key to all great leaders and their organizations

Geo-Political

Changes in the global geo-political landscape or the global economy can have a significant impact on information security strategy.

Laws & Regulations

Must Do's, however many security programs that focus on compliance fall short of providing a framework for an effective security program.

Threats & Adversaries

Threats faced by organizations vary greatly by industry sector and are advancing every day and require consistent and continuous vigilance.



Culture

Understanding organizational bias is critical to developing the right security strategy

Business

Whether executives are focused on growing or streamlining the business, each carries complexities that are far different from one another

IT Strategy

The management and operation of a business's information technology systems, infrastructure and resources have a significant impact on security strategy.

Security Operations

Judgment is the key to effectiveness

1000s of hours are spent a year by organizations operating security tools



Understanding the business of security

The Business pillar defines the business objectives and management strategies of the security operations team

Interfaces – who else will be involved

The Interfaces pillar defines what functions need to be involved to achieve the stated goals. Security operations is not a silo and needs to work with many other functions of the business.

Technology – Capability Needs

element should not be thought of as a different tool but rather a capability that should be achieved with the given technology stack

People – Who will be active participants

The People pillar defines the humans who will be accomplishing the goals of the security operations team and how they will be managed

Visibility - Analyzing tons of data

What information the SecOps function needs access to. This includes security and systems data, as well as knowledge management content and communications through collaboration tools

Process and Procedures

The Processes pillar defines the processes and procedures executed by SecOps to achieve the determined mission

Frameworks and Compliance?

Judgment is required in how these are implemented

Frameworks - Standards and procedures with maturity expectations.

Compliance - Meeting the minimum standards required to handle regulated data with minimal risk of loss, theft, or misuse. It is possible for an organization to model its policies based on one framework and their controls based on another.

ISO 27000

International Standards Organization

PCI-DSS

Payment Card Industry Data Security Standard_{IBM Security}

CIS

Center for Internet Security. Used to be SANS top 20

SOX

Sarbanes-Oxley Act

NIST 800-53

Full set of cyber requirements.

HIPAA

Health Insurance Portability and Accountability Act NIST CSF

Most common set used commercially

GDPR

General Data Protection Regulation

NIST FedRAMP

Suppliers to Fed must adhere to this set

State Privacy

CCPA California Consumer Privacy Act and others 5

Prioritization – Competing resource demands and budgets

Judgment will be visibly on display

Audit Findings The 3 R's

Risk

Risk mitigation notLoss of:risk elimination.- ConfidentialityRisk is a key- Integritybusiness element,- Availabilitywithout it there areno returns

CIA Triad

CIA Extended

The Box -

Must assure:

- Authenticity
- Accountability
- Non-repudiation within certain boundaries th

Every security team is in box and allowed to operate within certain boundaries that impact the strategy.

