Gartner Keynote: Top Trends for Cybersecurity 2024

Richard Addiscott
Patrick Hevesi

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Persistent Forces

Influencing Cybersecurity Programs

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Persistent Forces

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Supply Chain
Interdependence

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Influencing Cybersecurity Programs

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Influencing Cybersecurity Programs

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Top Cybersecurity Trends

2024 Themes

Optimizing for

Resilience

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Top Cybersecurity Trends

2024 Themes

Optimizing for
Resilience

Optimizing for
Performance

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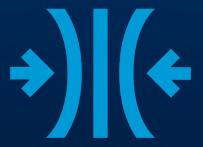
Top Cybersecurity Trends

2024 Themes



Optimizing for

Resilience

Optimizing for

Performance

Optimized Cybersecurity Programs

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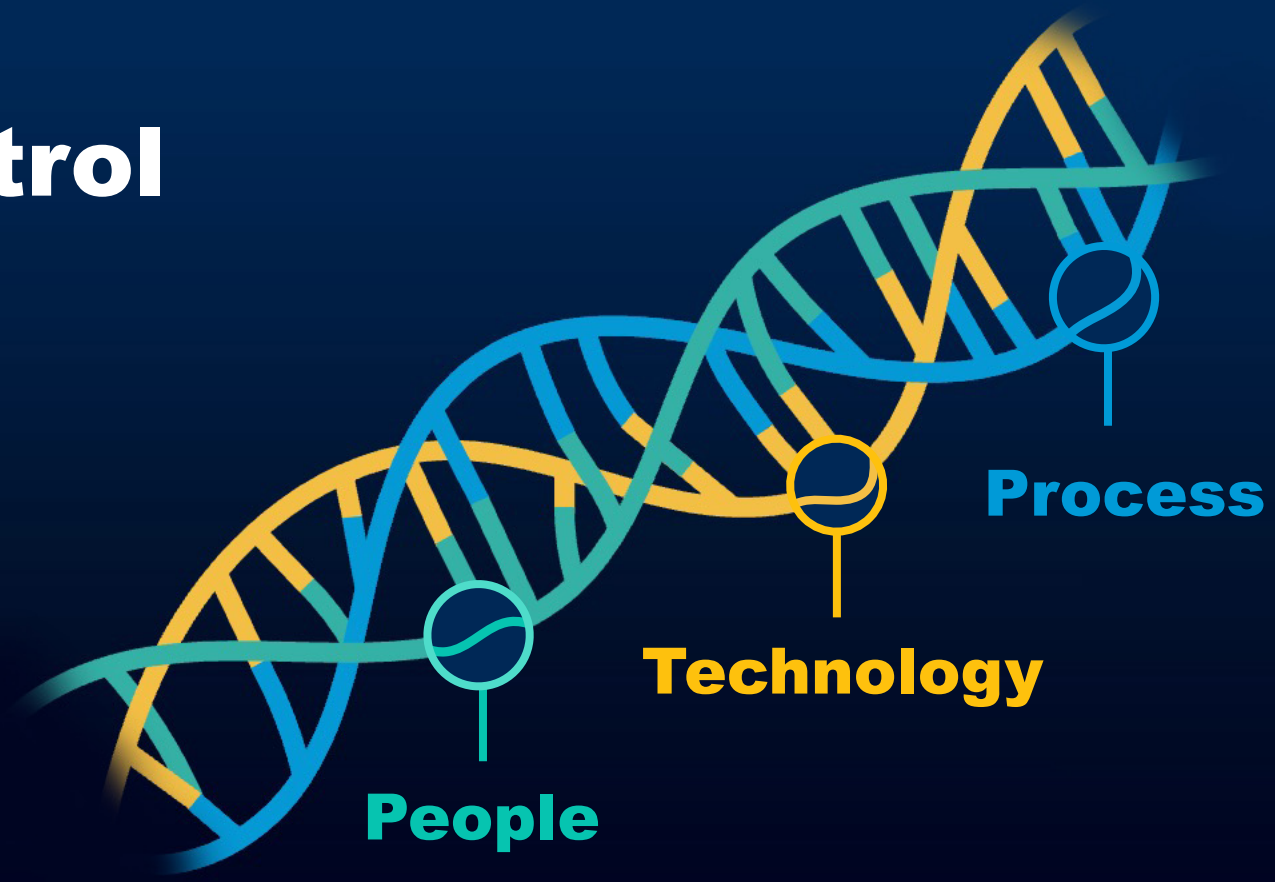
The DNA of Security Control



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TREND 1

GenAI

Short-Term Skepticism, Longer-Term Hope

Analysis by:
Jeremy D'Hoinne, Avivah Litan, Angela Zhao, Mark Horvath

#newtrend #disruptive

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GenAI & Cybersecurity

- Application consumption
- Build GenAI applications
- Software supply chain

GenAI & Cybersecurity

GenAI & Cybersecurity

GenAI & Cybersecurity

Optimal
Next Steps

1

Inventory, monitor and manage in-house GenAI use cases.

2

Update provider requirements and implementation guidelines.

3

Learn how to secure new attack surfaces.

4

Experiment and measure.

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TREND 2

Cybersecurity Outcome-Driven Metrics

Bridging the Boardroom Communication Divide

Analysis by:
Paul Furtado, Christopher Mixter, Paul Proctor

#continuing

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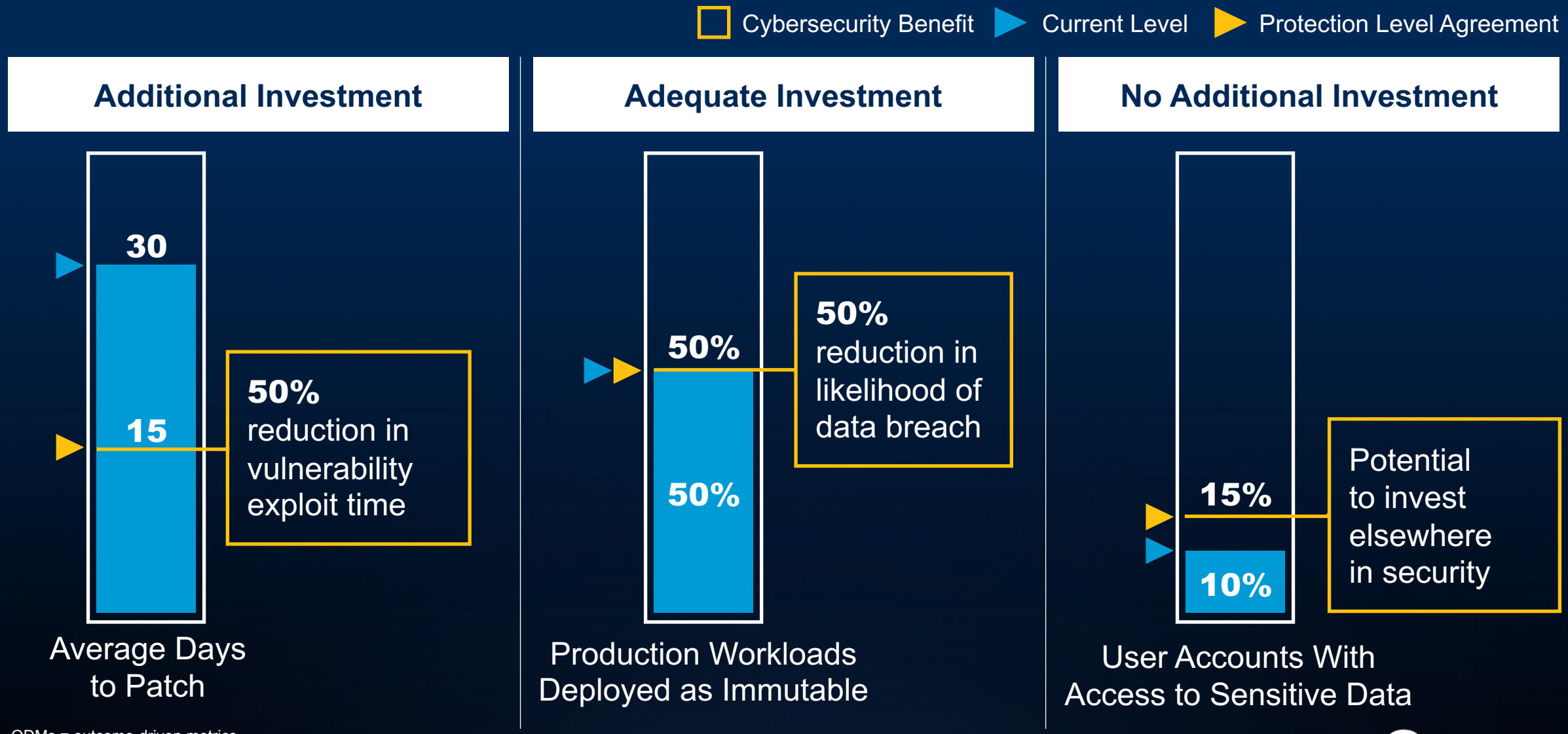
ODMs — Why They Work ...



ODMs = outcome-driven metrics

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Optimal Next Steps

1

Identify the key cybersecurity threats you're focused on, and the controls deployed against them. Develop ODMs for each.

2

Prepare your executive-level conversation based on ODM results.

3

Develop executive slide(s) to report on your positions.

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TREND 3

Security Behavior & Culture Programs

Gain Increasing Traction to Reduce Human-Born Cybersecurity Risks

Analysis by:
Richard Addiscott, Andrew Walls, Christine Lee, Victoria Cason

#continuing #disruptive

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Security Behavior and Culture Program

84%

Seek measurable behavior change as the primary objective of security awareness programs.

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SBCP focuses on

fostering new ways of thinking and embedding new behavior with the intent to provoke new, more secure ways of working across the organization.

SBCP = security behavior and culture program

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SBCP and the Gartner PIPE Framework

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Optimal Next Steps

1. Ensure you extend your risk focus beyond the end-user behavior.
2. Review security incident history to focus on riskiest employee behaviors.
3. Adopt the Gartner PIPE Framework to guide your SBCP.
4. Use outcome-driven metrics to assess SBCP efficacy and sustain executive support.

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TREND 4

Evolving Cybersecurity Operating Models

Shifting Sands

Analysis by:
Tom Scholtz, Oscar Isaka, William Candrick, Michael Kranawetter

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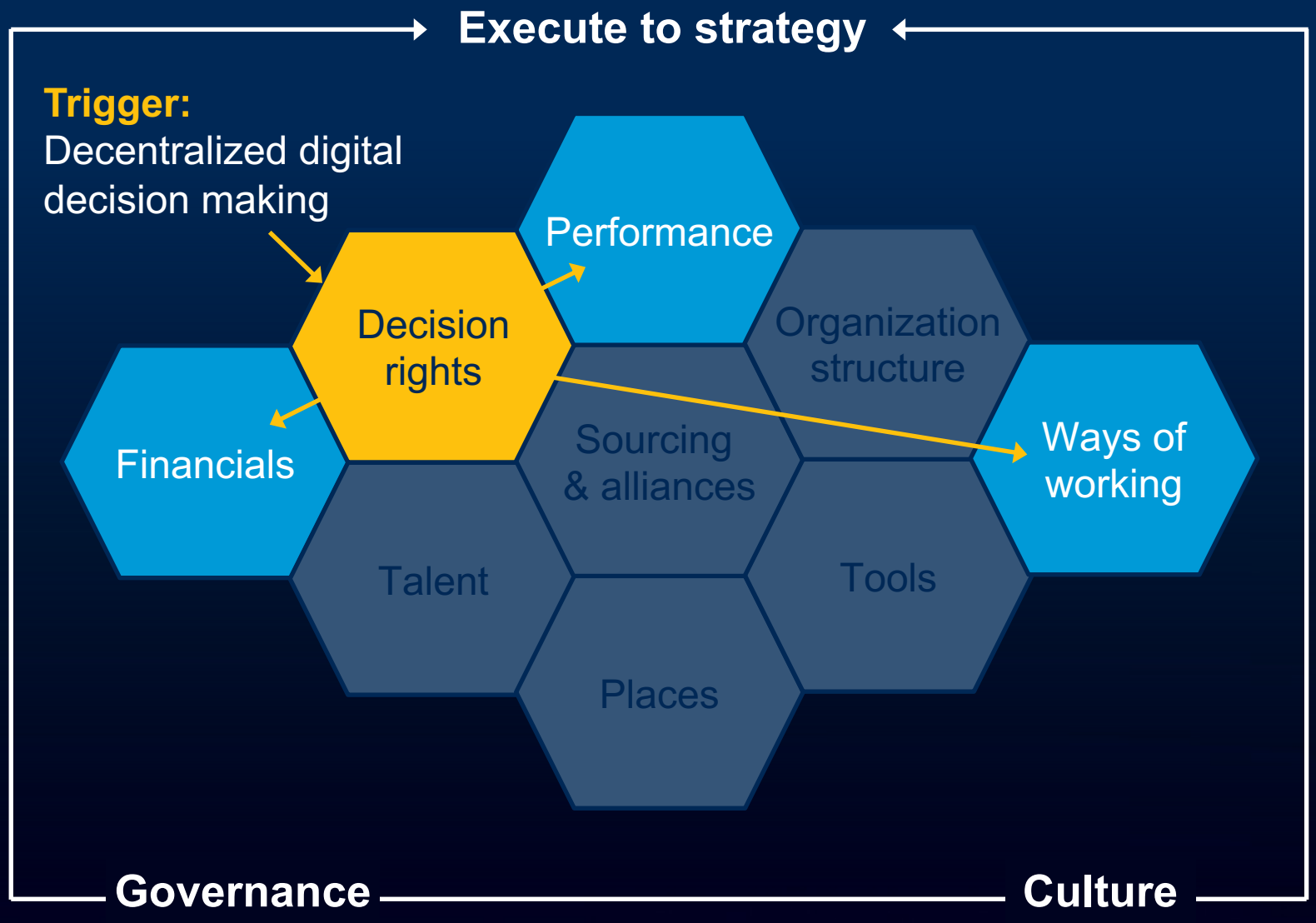
Evolving Security Operating Model (Current State)

Evolving Security Operating Model (Change Triggered)



Evolving Security Operating Model

Evolving Security Operating Model

Evolving Security Operating Model

Evolving Security Operating Model (Future State)

Optimal Next Steps

1. Agree and establish owner accountability.
2. Centralize security risk decision making with business and information asset owners.
3. Formalize end-to-end enterprise risk management practices.
4. Liberalize policy and standards regime.

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TREND 5

Third-Party Cybersecurity Risk Management

Resilience-Driven, Resource Efficient

Analysis by:
Chiara Girardi, Rahul Balakrishnan,
Luke Ellery, Christopher Mixter

#newtrend

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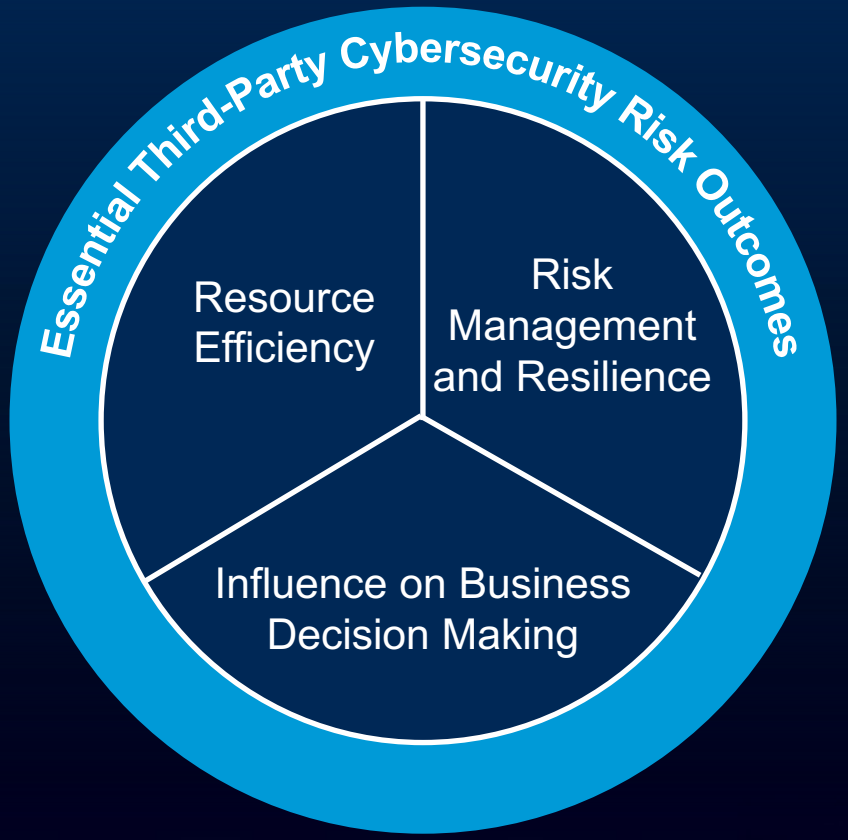
Resilience-Driven, Resource-Efficient Third-Party Cybersecurity Risk Management



Resilience-Driven, Resource-Efficient Third-Party Cybersecurity Risk Management

Driven by cross-enterprise collaboration (e.g., partner with procurement, legal, enterprise risk management, business owners)

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Focused on contingency planning (e.g., create third-party-specific playbooks, conduct table-top exercises, and define an offboarding strategy)

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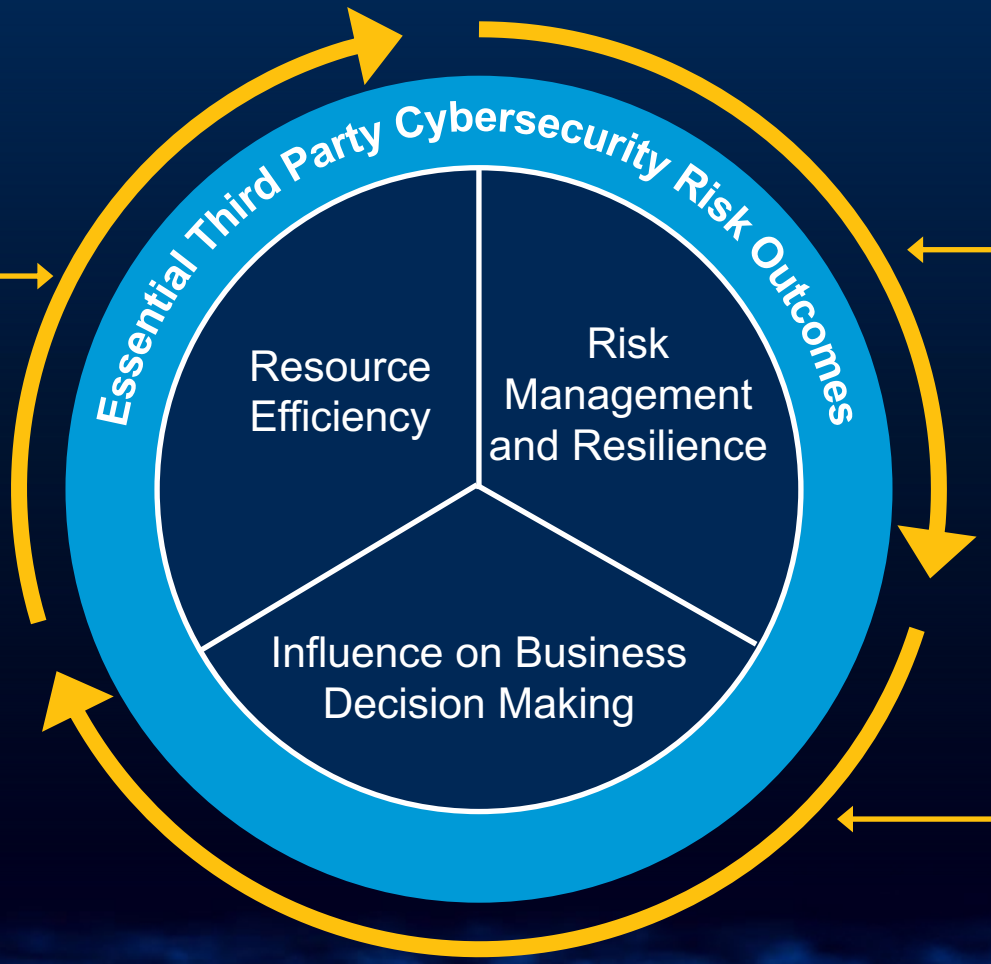

Focused on contingency planning (e.g., create third-party-specific playbooks, conduct table-top exercises, and define an offboarding strategy)

Centered on mutually beneficial relationships with critical third parties (e.g., share incident management best practices, recommend controls for managing risks)

Optimal
Next Steps

1

Strengthen your contingency plans for third-party engagements with the highest cybersecurity risk.

2

Reallocate resources to resilience-driven activities by making precontract due diligence more efficient.

3

Build mutually beneficial relationships with your most critical third parties.

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TREND 6

Continuous Threat Exposure Management

Programs Gain Momentum

Analysis by:
Pete Shoard, Angela Zhao, Jeremy D'Hoinne, Jonathan Nunez

#continuing #disruptive

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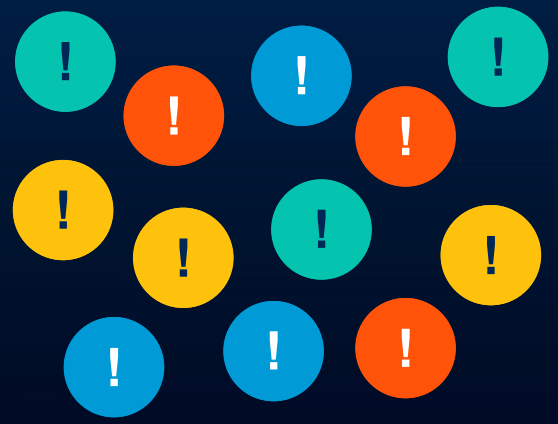
CTEM

Steps Toward Producing Prioritized and Validated Risk Exposure

Exposures

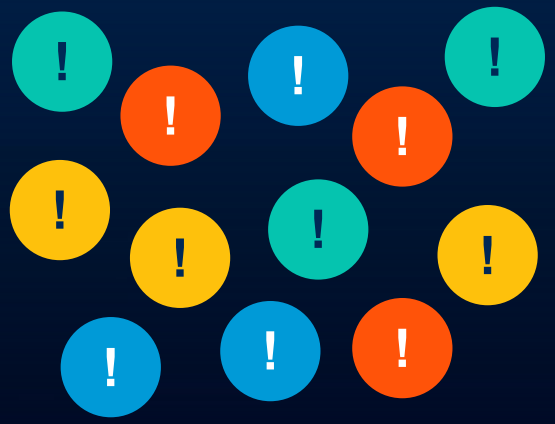


Explosion in attack surface leads to high volume, unscoped issue identification

CTEM

Steps Toward Producing Prioritized and Validated Risk Exposure

Exposures



Explosion in attack surface leads to high volume, unscoped issue identification

Prioritization

Issues are organized into business-driven scopes and prioritized by importance

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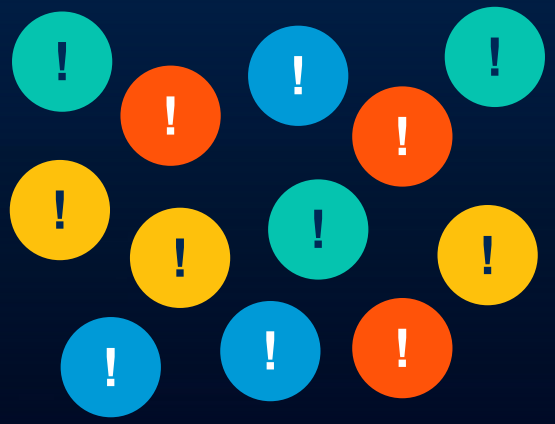
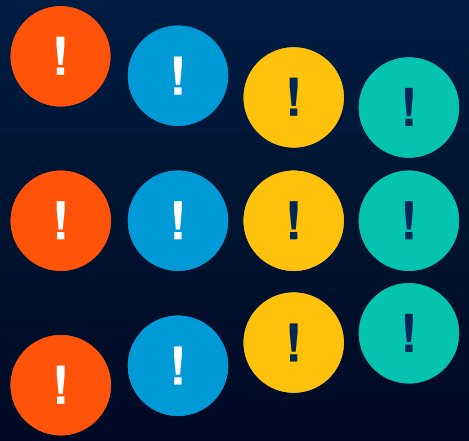
CTEM

Steps Toward Producing Prioritized and Validated Risk Exposure

Exposures	Prioritization	Validation
		
Explosion in attack surface leads to high volume, unscoped issue identification	Issues are organized into business-driven scopes and prioritized by importance	Validation works as a filter to prove which discovered exposures could actually impact the organization

CTEM

Steps Toward Producing Prioritized and Validated Risk Exposure

Exposures	Prioritization	Validation	Mobilization

Explosion in attack surface leads to high volume, unscoped issue identification	Issues are organized into business-driven scopes and prioritized by importance	Validation works as a filter to prove which discovered exposures could actually impact the organization	Prioritized and validated risk exposures are mobilized with the respective teams

Optimal Next Steps

1

Begin creating scoped exposure management target sets.

2

Expand the telemetry associated with exposure to incorporate broader risks.

3

Establish relationships and plan mobilization with departments outside of security.

4

Centralize the measurement and management of all exposure into a single view.

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TREND 7

Cybersecurity Reskilling

Helping Future-Proof the Organization

Analysis by:
William Candrick, John Watts, Jeremy D'Hoinne, Alex Michaels, Craig Porter

#continuing

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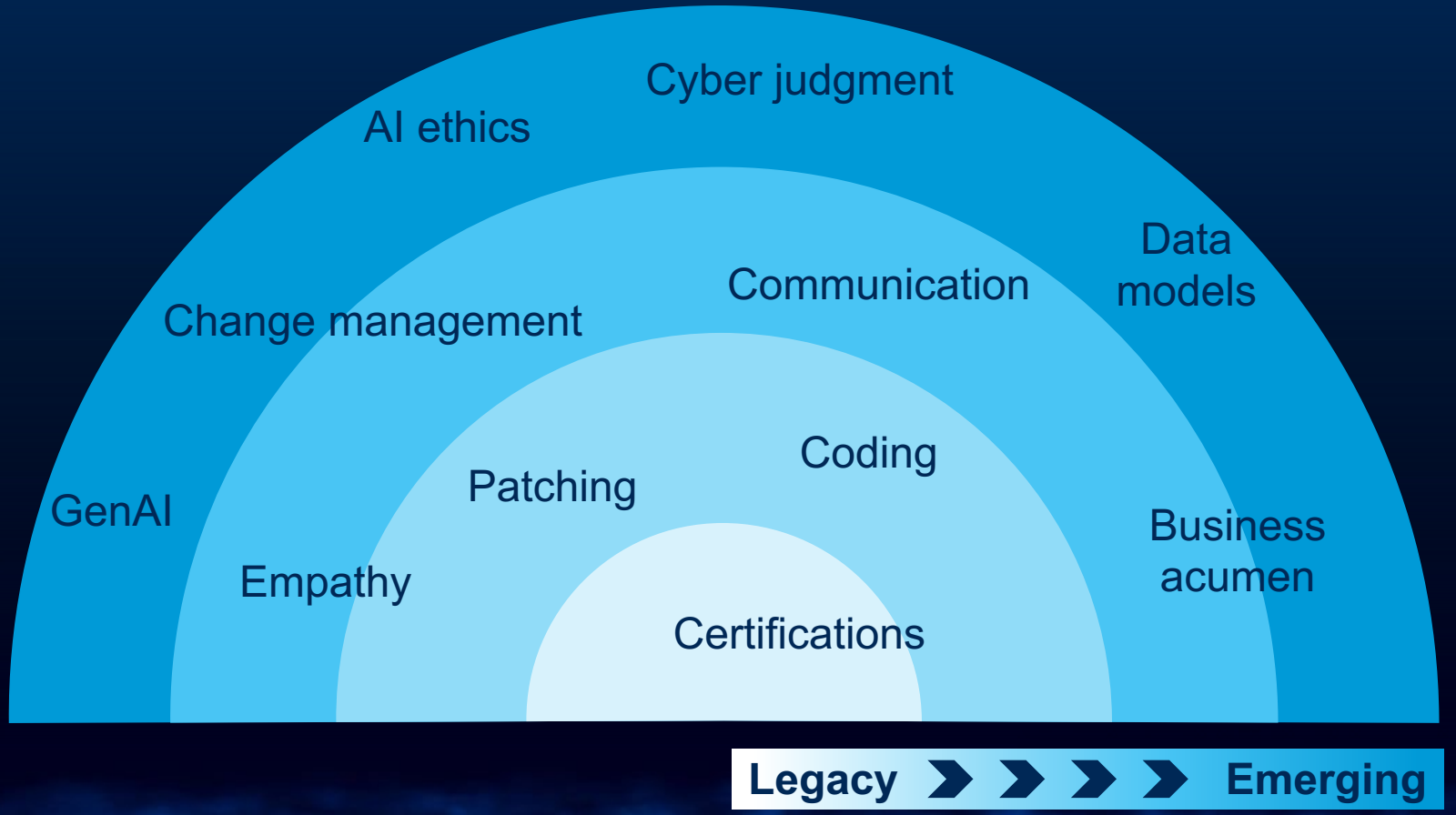
Cybersecurity Reskilling

Evolving cybersecurity skills and requirements (illustrative examples)



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Optimal Next Steps

1

Develop a cybersecurity workforce plan.

2

Hire for the future — not the past.

3

Adopt an agile learning culture.

4

Monitor for new and emerging roles.

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TREND 8

Extending IAM's

Role to Improve Cybersecurity Outcomes

Analysis by:
Felix Gaehtgens, Paul Rabinovich

#continuing #disruptive

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IAM's Cybersecurity Role Extends

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IAM's Cybersecurity Role Extends

Optimal
Next Steps

1

Implement proper identity hygiene.

2

Expand identity threat detection and response (ITDR).

3

Evolve your identity infrastructure into an identity fabric.

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TREND 9

Privacy-Driven Application & Data Decoupling

Enhancing Operations in a Fragmented World

Analysis by:
Anson Chen, Bernard Woo

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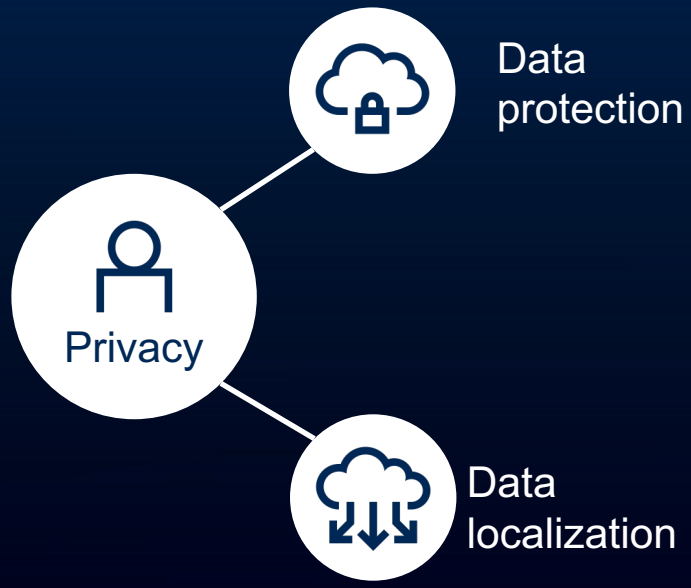
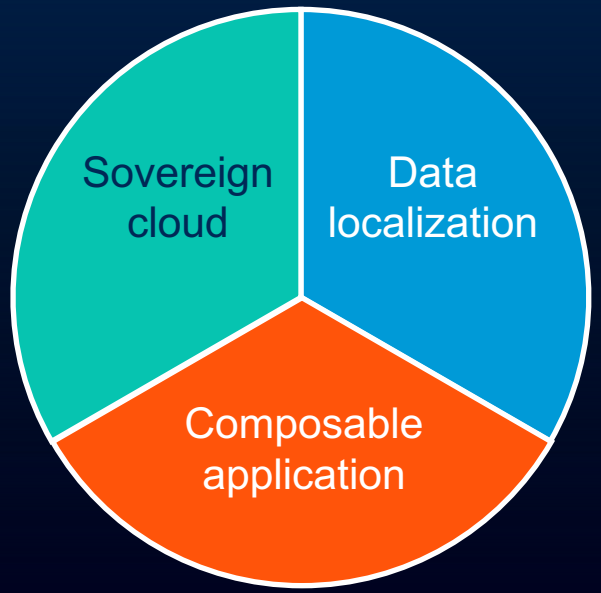
Privacy-Driven Application and Data Decoupling

Regulatory impact



Strategic decisions



Tactical initiatives

- Analyze data residency and privacy compliance
- Adopt data mapping and security strategy
- Apply security software development and privacy-focused threat modeling

Optimal
Next Steps

1

Collaborate with IT, business, and compliance leaders to identify localization requirements and compliance gaps.

2

Maintain data inventory and monitor flows of sensitive and personal data across geographies automatically.

3

Unify and align disparate security requirements and standards into the SDLC of decoupling applications.

SDLC = software development life cycle

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Recommendations

Utilize proactive collaboration with business stakeholders to help ensure the ethical, safe and secure use of GenAI.

Use business-aligned, outcome-driven metrics aligned to protection-level agreements to convey security program performance.

Focus on the human element to minimize the impact of insecure employee behavior and to reskill your existing team.

Optimizing for

Performance

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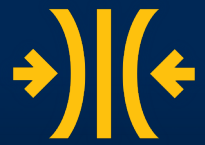

Optimizing for
Resilience

Establish mutually beneficial relationships with your most important external partners to improve third-party risk postures.

Continuously **monitor hybrid digital environments** to enable early identification and optimal prioritization of vulnerabilities to maintain a hardened organizational attack surface.

Sustain **focus on securing your identity fabric and leverage ITDR** to ensure your IAM capabilities are best positioned to support the breadth of the overall security program.

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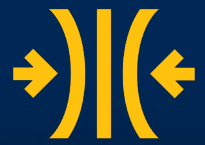
Recommendations



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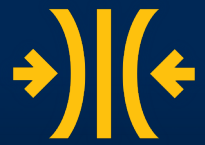

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Top Cybersecurity Trends for 2024

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Recommended Gartner Research

- **Top Trends in Cybersecurity for 2024**
  Richard Addiscott, Jeremy D'Hoinne and Others
- **Implement a Continuous Threat Exposure Management (CTEM) Program**
  Jeremy D'Hoinne, Pete Shoard and Mitchell Schneider
- **4 Ways Generative AI Will Impact CISOs and Their Teams**
  Jeremy D'Hoinne, Avivah Litan and Peter Firstbrook
- **Enhance Your Cyberattack Preparedness With Identity Threat Detection and Response**
  Henrique Teixeira, Peter Firstbrook and Others
- **Infographic: Minimize Disruption From Third-Party Cybersecurity Risks**
  Zachary Smith and Rahul Balakrishnan
- **Top Trends in Privacy Driving Your Business Through 2024**
  Nader Henein, Bart Willemsen and Bernard Woo

Recommended Gartner Research

- **CISO Foundations: Build a Culture of Security Consciousness: Introducing the Gartner PIPE Framework**
  Richard Addiscott, Andrew Walls and Others
- **Cybersecurity Business Value Benchmark**
  Christopher Mixter, Paul Proctor and Others
- **CISO Effectiveness: How to Attract, Retain and Release Cybersecurity Talent**
  Alex Michaels, Victoria Cason and Others
- **Predicts 2024: Augmented Cybersecurity Leadership Is Needed to Navigate Turbulent Times**
  Deepti Gopal, William Candrick and Others
- **Infographic: Building Cyber Judgment to Improve Risk Decision Making**
  Cybersecurity Research Team