The Top Predictions of Cybersecurity for 2024

Oscar Isaka

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"In order for individuals, institutions, industries, and societies to not only survive but also thrive, it is essential to make peace with uncertainty."

— N. Taleb, "Antifragile: Things That Gain From Disorder," Penguin Random House, 2012



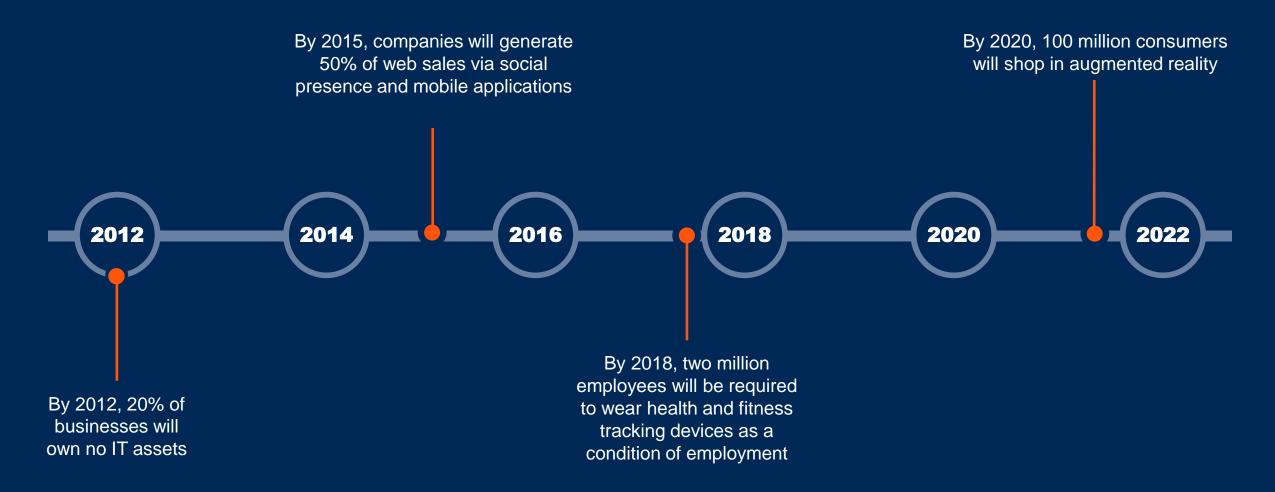
Volatility, Uncertainty, Complexity and **Ambiguity (VUCA) Evolving roles**



Battling misinformation



Strategic Planning Assumptions — History





What Does the Future Hold?





Top Predictions of Cybersecurity for 2024+

CISO legal exposure 2027

Battling malinformation

2028

GenAl closes skills gap Scoping zero trust

2026

GenAl integration

2026

Identity response

DLP and insider risk

2027

Application security

2027



By 2027, two-thirds of global 100 organizations will extend D&O insurance to cybersecurity leaders due to personal legal exposure.

Analysis: William Candrick, Alissa Lugo, Lisa Neubauer and Andrew Walls

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- Regulators now view cyber risk as a core business risk.
- New laws and regulations expand CISOs' legal exposure.
- Enterprises must clarify the scope of the CISO role.

- Redefine the CISO role.
- Consider financial and legal benefits to protect the CISO.
- Clarify roles and responsibilities.





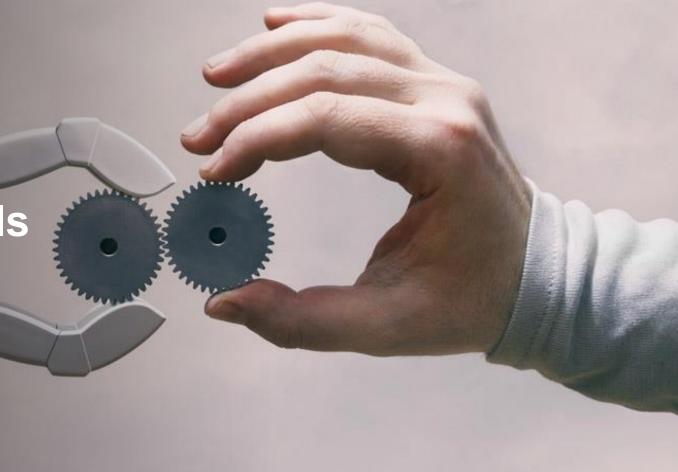
Implications

- Cybersecurity social engineering, spear phishing and deep fake fraud.
- Marketing campaigns and reputation attacks led by corporations or lobbyists impact marketing.
- AI overwhelming filtering systems through mass production of subversive content.

- Consistently raising awareness before the board and executive committee.
- Define responsibilities for governing, devising and executing enterprisewide programs.
- Invest in tools and techniques leveraging "chaos engineering."



By 2028, the adoption of GenAl will collapse the skills gap, removing the need for specialized education from 50% of entry-level cybersecurity positions.





- Advent of GenAl Augments how organizations will hire.
- Mainstream platforms already offer conversational Augments but will evolve.
- This will change how we teach, how we hire and how we specialize.

- Focus on internal use cases that support users as they work.
- Track homegrown and vendorprovided Augments at the task and role level.
- Coordinate with HR partners.
- Identify adjacent talent.







- Cloud-based security and dynamic policy enforcements are often undesirable in production or mission-critical environments.
- Not all CPS traffic is IP-based.
- Many older systems have no or limited authentication capabilities.

- Apply the basics of a zero-trust (ZT) philosophy, but tailor it to non-IT environments.
- Brainstorm with CPS operators and engineers to adapt a ZT strategy to production environments.
- Ask ZT vendors to demonstrate exactly which risks are mitigated for your environment and how.







- Hyperfocused engagement with employees results in improved security behavior and culture program adoption.
- Integration of GenAl capabilities with platform-based architecture can respond to employee behavior.
- Continuously trained LLM supports risk reduction and executive sponsorship.

- Create a cross-functional working group comprising a suitable cross-section of your organization's employees.
- Pilot GenAl capabilities augmented by data from multiple sources.
- Leverage GenAI capabilities securely to personalize the communications.







- Privilege misuse and stolen credentials remain a top threat.
- IAM leaders often focus on operational metrics.
- CISOs and C-level executives have limited visibility into IAM.

- Leverage identity threat detection and response practices to build improved capability.
- Provide visibility to the board by leveraging protection -level targets.
- Collaborate with the CISO to align IAM and security initiatives.



By 2027, 70% of organizations will combine data loss prevention and insider risk management disciplines with IAM context to identify suspicious behavior more effectively.





- Organizations forgo disparate controls, making standalone data loss prevention unappealing.
- Vendors are consolidating userbehavior-focused controls and data loss prevention.
- Combination of controls with context from IAM improves the accuracy of risk mitigation.

- Identify data and identity risks as the primary driver for data security.
- Evaluate vendors that can address multiple use cases.
- Build multifaceted policies that include layered detection from IAM, IRM and DLP.





Implications

- Increased volume equals increased exposure (low code/no code).
- A gap exists between security resources and application teams.
- Increased demand of AppSec professionals.

- Develop communities of practice.
- Take a minimum effective expertise approach.
- Create a new, high-value role the "application security product manager."



Top Cybersecurity Predictions for 2024+

Legal

2/3

of global 100 organizations will extend D&O insurance to cybersecurity leaders.

2027

Integration

40%

fewer employee-driven cybersecurity incidents from GenAl integration with security behavior.

2026

Malinformation

50%

of marketing and cybersecurity budgets cannibalized to battle malinformation.

2028

Identity

40%

of IAM leaders will be responsible for responding to IAM-related breaches.

2026

GenAl

50%

of specialized education for entry-level cybersecurity positions will not be required.

2028

Insider risk

70%

of organizations will combine DLP and insider-risk disciplines.

2027

Zero trust

75%

of organizations will exclude unmanaged and legacy systems from ZT strategy.

2026

AppSec

30%

cybersecurity functions will redesign application security.

2027



"The future is already here. It is just unevenly distributed."

— William Gibson





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- Predicts 2024: Zero Trust Journey to Maturity Thomas Lintemuth, Andrew Lerner, John Watts and Katell Thielemann
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 Joerg Fritsch, Andrew Bales, Nathan Harris and Homan Farahmand
- Predicts 2024: CPS Security Turbulence Ahead
 Katell Thielemann, Wam Voster, Ruggero Contu and Wayne Hankins

