YASH Technologies

More than what you think.

Agentic AI vCISO Services for Strategic Security Leadership

Executive security leadership—augmented with AI-driven intelligence, automation, and Microsoft's next-gen security ecosystem

Organizations today require continuous, executive-level security leadership to govern risk, compliance, and cyber resilience. However, maintaining a full-time CISO is often costly and difficult to scale. YASH's Agentic AI vCISO combines fractional CISO expertise with Microsoft's emerging agentic security capabilities (Security Copilot, Sentinel data lake/ graph/MCP) to deliver intelligent governance, real-time insights, and AI-driven decision-making across the enterprise.

What this engagement solves

Enterprises often struggle with:

- Lack of strategic security leadership aligned to business objectives
- Fragmented visibility across security, risk, and compliance domains
- Inability to translate technical signals into executive insights
- Reactive compliance management and audit challenges
- Inefficient security operations with limited automation and orchestration

This offering enables **AI-powered governance, unified risk visibility, and continuous security maturity improvement.**

Key Highlights

Fractional vCISO leadership enhanced with AI (Security Copilot + Sentinel innovations)	*CSF 2.0-aligned governance model (Govern, Identify, Protect, Detect, Respond, Recover)*	*Unified visibility across Sentinel, Defender XDR, and Defender for Cloud*	*Policy frameworks aligned to ISO 27001, SOC 2, HIPAA, GDPR*	*Executive dashboards and board-level reporting*	*Agentic automation for prioritization, orchestration, and workflow optimization*

Engagement Approach (Strategic Advisory Lifecycle)

Phase 1: Discovery & Readiness

Activities:

- Assess current security posture, governance maturity, and operating model
- Review existing tools, telemetry sources, and data readiness
- Define compliance scope (ISO 27001, SOC 2, HIPAA, GDPR, NIST CSF)
- Identify gaps in risk management, reporting, and governance

Benefits:

- Clear baseline of security maturity and organizational readiness
- Alignment with regulatory and industry frameworks
- Defined priorities for transformation

Deliverables:

- Security posture and governance maturity assessment
- Compliance scope and gap analysis
- Initial vCISO roadmap with measurable KPIs

Phase 2: Design (Governance & Operating Model)

Activities:

- Design security governance structure (roles, RACI, decision framework)
- Define KPIs (MTTD, MTTR, risk reduction metrics)
- Create policy and control frameworks aligned to standards
- Design dashboards and executive reporting models

Benefits:

- Structured governance aligned to business and regulatory needs
- Measurable and outcome-driven security strategy
- Improved accountability and decision-making

Deliverables:

- Governance model and RACI matrix
- KPI framework and reporting structure
- Policy and control framework documentation

Phase 3: Build & Integrate (AI-Augmented Security Layer)

Activities:

Configure:

- Security Copilot agents for insights and automation
- Microsoft Sentinel analytics, UEBA, and Fusion rules

Integrate:

- Defender XDR and Defender for Cloud
- Multi-cloud environments (AWS, GCP)
- ITSM tools for workflow tracking

- Develop playbooks and automation workflows

Benefits:

- Unified security ecosystem with contextual intelligence
- Faster prioritization and response through AI-driven insights
- Streamlined operations with automated workflows

Deliverables:

- Configured AI-enabled security environment
- Playbooks, automation rules, and orchestration workflows
- Integration runbooks and technical documentation

Phase 4: Pilot & Tuning

Activities:

- Validate alerting, correlation, and automation workflows
- Tune UEBA baselines and detection logic
- Optimize dashboards and executive reporting
- Refine compliance reporting packs

Benefits:

- Reduced noise and improved signal accuracy
- Optimized workflows aligned to real-world scenarios
- Reliable and actionable executive insights

Deliverables:

- Tuned detection and automation configurations
- Optimized dashboards and reporting outputs
- Compliance reporting templates

Phase 5: Operate & Optimize (Advisory Continuity)

Activities:

- Quarterly security posture and risk reviews
- Continuous KPI tracking and performance improvement
- Threat hunting and security enhancement initiatives
- Tabletop exercises and incident simulations
- Ongoing governance and strategy refinement

Benefits:

- Sustained executive visibility into risk and security posture
- Continuous improvement in governance and response maturity
- Strong audit readiness and compliance alignment

Deliverables:

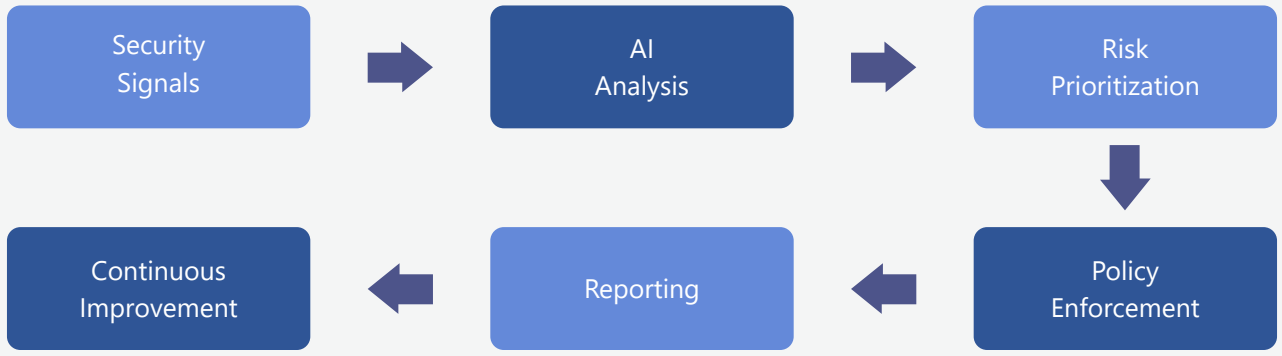
- Executive scorecards and board-level reports
- Risk and compliance dashboards
- Strategic advisory roadmap and improvement backlog
- Incident insights and governance updates

Duration (in days / weeks):	***Price:***	***Industry:***
6–8 weeks (initial setup); ongoing advisory engagement	$5000	Healthcare | BFSI | Energy | Manufacturing | Retail

Audience:

- Executive Leadership & Board Members
- Risk & Compliance Teams
- Cloud Security & Governance Leaders

AI-Augmented Security Governance Lifecycle



Agentic AI vCISO Architecture

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