

## CASE STUDY

"At COE Security, we build, operate, and transfer world-class security solutions, empowering businesses with resilience and trust."

Joseph Henderson



## CASE STUDY

# STRENGTHENING RISK POSTURE FOR CYBER INSURANCE AUDIT READINESS

COE SECURITY LLC  
USA | BRAZIL | UAE | INDIA



# Measurable Impact Our Security in Numbers



- 1,500+ Global Engagements
- 95% Client Satisfaction
- 10+ Years of Cybersecurity Excellence
- 15K+ Critical Vulnerabilities Identified
- 1M+ Security Incidents Managed
- \$350M+ Costs Saved
- \$2.5B+ Transactions Secured
- 24/7/365 Threat Monitoring & Response
- Proactive Threat Hunting
- Cutting-Edge Security Technologies
- Dedicated Security Advisors
- Zero-Day Exploit Mitigation
- Incident Response Planning & Execution
- Security Awareness Training
- Customizable Security Solutions

## Client Profile

A mid-sized fintech organization undergoing rapid digital expansion. As cyber insurance providers increased their scrutiny, the company struggled to provide sufficient evidence of controls, policies, and maturity - putting both coverage and premiums at risk.

## Challenges Faced

Key security concerns included:

- Lack of documented security policies and incident response plans
- No centralized logging or evidence of threat detection capabilities
- Gaps in user access control and identity governance
- Limited awareness of insurer-aligned compliance benchmarks
- Inability to demonstrate consistent risk assessment practices

## Solution

COE Security implemented a structured Cyber Insurance Audit Readiness Program, combining:

1. Comprehensive Audit Gap Analysis: Mapped controls to insurance provider requirements and industry standards like NIST and ISO 27001.
2. Policy & Documentation Development: Created audit-ready documents including security policies, incident response plans, and risk registers.
3. Technical Controls Alignment: Deployed MFA, EDR, SIEM integration, and vulnerability management tools to demonstrate proactive defense.
4. Mock Audit Sessions: Simulated insurance audits to prepare stakeholders and refine documentation packages.

**We're  
Hiring!**



# Compliance & Regulatory Mastery



- ISO 45001
- HIPAA & HITRUST
- NIST & NIST 800-171
- ISO 27001
- PCI DSS
- CMMC
- CIS Controls
- SOC 2
- CCPA & NYDFS
- EU CRA
- FedRAMP
- GDPR
- UK Cyber Essentials
- Essential Eight - Australia

## Audit-Ready Risk & Compliance Alignment

- Documented cybersecurity policies mapped to industry standards (NIST, CIS Controls, ISO)
- Created a central risk register and updated threat modeling practices
- Aligned existing controls with insurer evaluation criteria and benchmarks
- Established log retention, forensic readiness, and data breach notification procedures

## Insurance-Focused Risk Management Services

- Defined roles and responsibilities across IT and compliance teams
- Deployed access control reviews, endpoint monitoring, and encryption practices
- Implemented secure backup strategies with offsite recovery validation
- Configured compliance dashboards and insurer-specific reporting mechanisms

## Cyber Insurance Audit Readiness Portfolio

- Cyber Risk Assessments & Gap Identification
- Documentation Kits for Policy, Response, and Governance
- Mock Audits and Readiness Training
- Log Management & SIEM Deployment
- Vulnerability Management & Patch Governance
- MFA & Endpoint Detection Integration
- Forensic Logging & Incident Playbook Design
- Executive Briefings & Insurer Liaison Support
- Continuous Compliance Dashboards
- Threat Intelligence & Breach Notification Preparedness

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# Our Cybersecurity Arsenal: Beyond Protection- We Build Resilience



- Application Penetration Testing (Thick/Thin)
- Mobile Application Penetration Testing
- API Penetration Testing
- Network Penetration Testing
- Operational Technology Security Testing
- Cloud Penetration Testing
- AI & LLM Security Audit and Pen Testing
- Red Teaming & Social Engineering Services
- Product & Hardware Penetration Testing
- IoT Security
- Security Operations Center Services (24/7)
- Custom Security Services

## Implementation Details

- Deployed a centralized SIEM for log visibility and alert tracking
- Integrated multi-factor authentication across all user accounts
- Drafted audit-ready security policies, tested through simulated insurer walkthroughs
- Conducted phishing and breach response drills to evaluate incident readiness
- Delivered audit-friendly reports, risk metrics, and monthly compliance updates

## Results Achieved

- Full cyber insurance coverage secured without exceptions or delays
- 35% reduction in premium cost due to improved cyber maturity score
- 100% audit documentation completeness across policy and technical domains
- Incident response confidence increased through validated tabletop exercises
- Cyber risk register established, providing real-time visibility into organizational posture

## Client Testimonial

“Thanks to COE Security, we passed our insurance audit with flying colors. Their structured approach made sure we were not just compliant - but resilient.”

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# Industries We Protect with Cutting-Edge Security



- Financial Services
- Healthcare
- Retail
- E-commerce
- Government
- Cryptocurrency
- Blockchain Technology
- Automotive
- Transportation/Logistics
- Energy & Utilities
- Hospitality/Tourism
- Entertainment/Media
- Manufacturing
- Education
- Telecommunications
- HiTech & Information Technology

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Hiring!**

## COE Security LLC

COE Security is a leading cybersecurity services provider, offering comprehensive solutions to address the evolving threat landscape. We have a proven track record of helping organizations of all sizes mitigate risks, strengthen defenses, and recover from cyberattacks. Our team of experienced cybersecurity professionals possesses deep expertise in the latest technologies and best practices, enabling us to deliver tailored solutions that meet your unique security needs.

"Peace of mind in a world of cyber threats.  
That's what we deliver."

*Joseph Henderson*

