



API Infrastructure Specialist Operationalises Live Vulnerability Detection

Achieves Continuous API Security Monitoring Aligned to SOC 2 and ISO 27001 Requirements

Environment



Deployment



“Integrating dynamic security testing directly into our GitHub workflows was critical for securing our live APIs without impacting performance. AccuKnox enabled continuous visibility across development and production.”

Security Leadership

Dovetail India

Challenges

- ❌ No Continuous Dynamic Testing of Live APIs**
APIs serving capital market operations required runtime vulnerability detection, but scanning was periodic and manual.
- ❌ Security Not Embedded in GitHub Actions**
Static and dynamic testing were not fully integrated into CI/CD workflows, creating delayed feedback loops.
- ❌ Compliance Requirements (SOC 2, ISO 27001)**
Audit readiness required traceable evidence of continuous testing and vulnerability management.
- ❌ Fragmented Visibility Across Environments**
Findings from development and production environments were siloed, limiting centralised risk prioritisation.

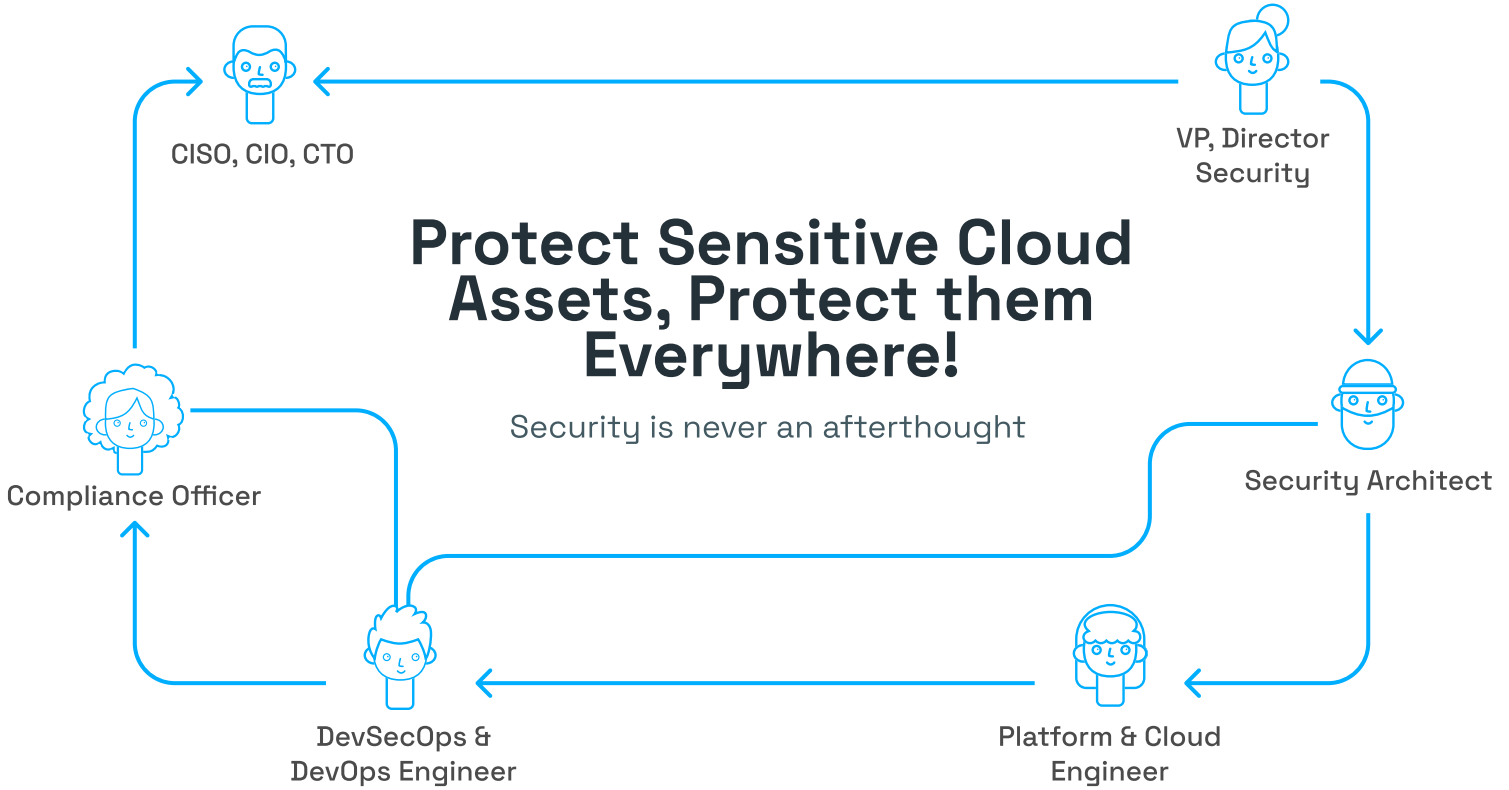
Solutions

- ✓ Collectors-Based Continuous DAST**
Deployed lightweight collectors to perform live dynamic scans on production applications and APIs without impacting performance.
- ✓ GitHub Actions Security Integration**
Automated triggering of static analysis directly within GitHub workflows to prevent vulnerable code merges.
- ✓ Continuous API Monitoring**
Ongoing scanning for OWASP Top 10 and API-specific vulnerabilities in live environments.
- ✓ Centralized Vulnerability Correlation**
Unified visibility into static and dynamic findings across development and production environments.

Outcomes

- ✓ Operationalized continuous API security across GitHub-driven development.
- ✓ **Reduced detection time** for runtime vulnerabilities by **70%**.
- ✓ Achieved audit-aligned evidence tracking for **SOC 2 and ISO 27001**.
- ✓ Eliminated security blind spots between **CI/CD and production APIs**.

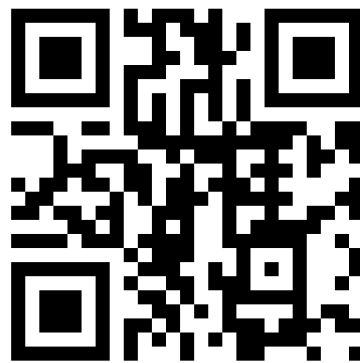
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Extra 30 Days Free Trial



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About AccuKnox

AccuKnox is a Zero Trust Cloud Security Platform that protects Public clouds, Private clouds, Kubernetes, VMs, Bare metals, IoT Edge, and 5G security.



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