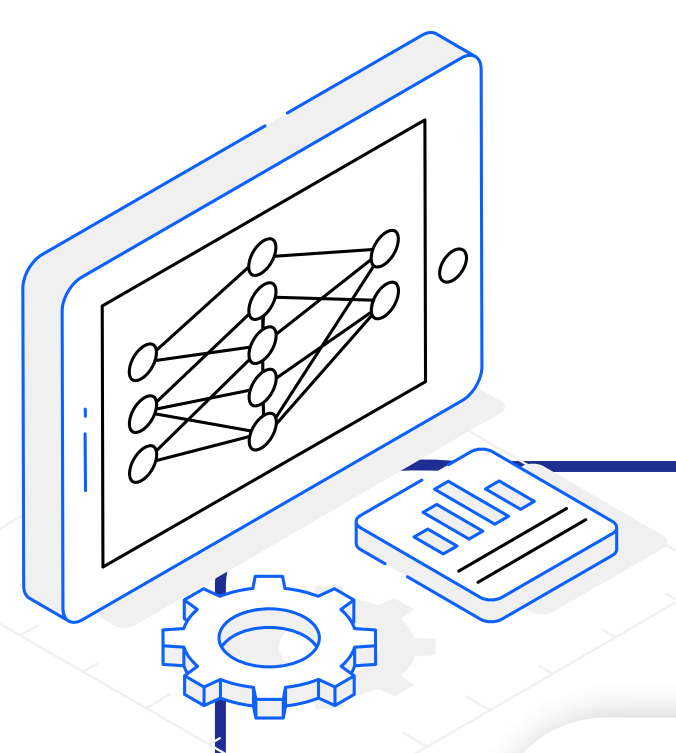
The ABCs of **Cloud Native Security** with NuSummit and Microsoft Sentinel

NuSummit | Microsoft



A AI Security Posture Management (AI-SPM)

Secure and verify user identities with robust authentication mechanisms.

B Baseline Configuration

Establish secure configuration standards for infrastructure and workloads.

C Cloud Security Posture Management (CSPM)

Continuously analyze cloud environments to detect misconfigurations, enforce best practices, and ensure regulatory compliance.

D Database Security Posture Management (DPSM)

Monitor and secure database environments by identifying real-time misconfigurations, vulnerabilities, and compliance risks.

E Encryption

Protect data in transit and at rest with strong encryption protocols.

F Firewall Policies

Define granular network access controls to reduce attack surfaces.

G Governance

Implement policies to ensure compliance and accountability.

H Hardening

Minimize attack vectors by disabling unnecessary features and ports.

I IAM (Identity & Access Management)

Enforce least privilege and tightly control access.

J Just-in-Time Access

Grant temporary access with time-bound permissions.

K Kubernetes Security

Secure clusters with RBAC, Pod Security Policies, and network segmentation.

L Logging

Enable centralized logging for auditing and threat detection.

M Monitoring

Continuously observe system behaviour for anomalies.

N Network Segmentation

Isolate workloads using service meshes and virtual networks.

O Observability

Ensure full-stack visibility with metrics, traces, and logs.

P Penetration Testing

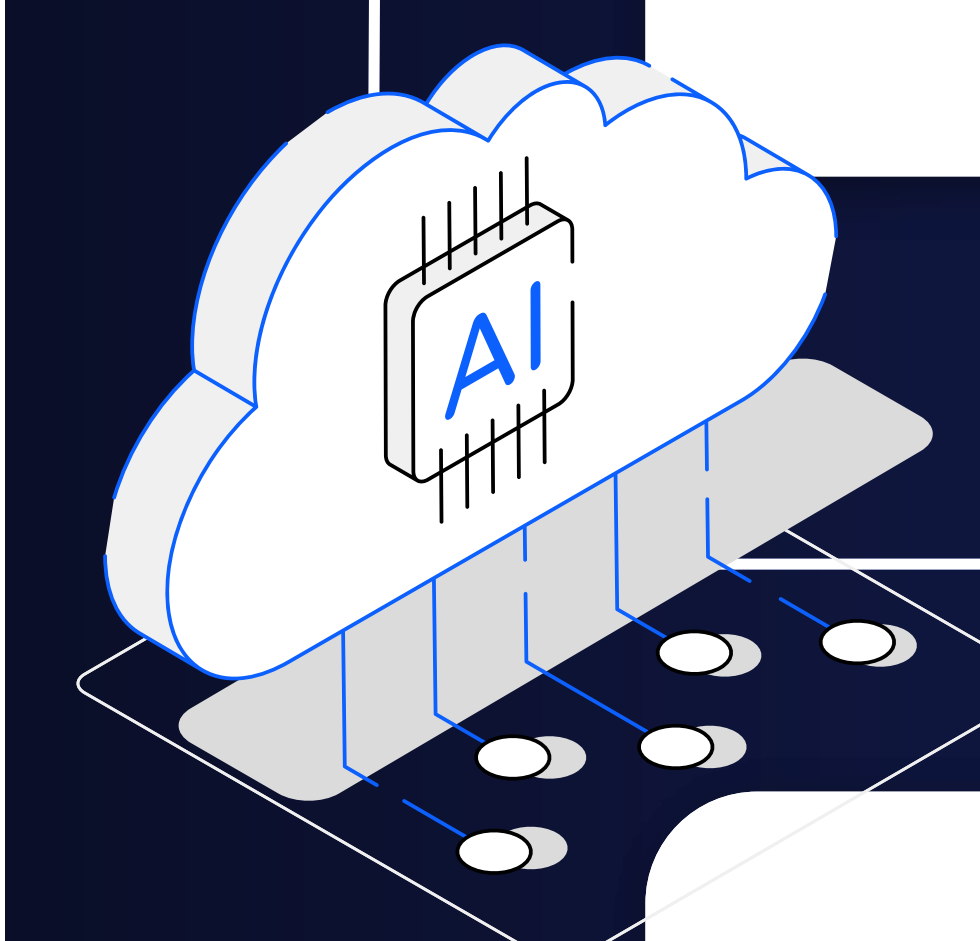
Continuously test and uncover vulnerabilities before attackers do.

Q Quarantine Strategy

Isolate compromised resources swiftly to contain threats.

R Risk Advisory

Adapt access controls based on dynamic risk assessments.



S SIEM & Security Monitoring

Aggregate, monitor, and respond to security events in real time.

T Threat Detection

Leverage AI/ML to identify and respond to threats proactively.

U Update Management

Patch vulnerabilities promptly with automated updates.

V Vulnerability Scanning

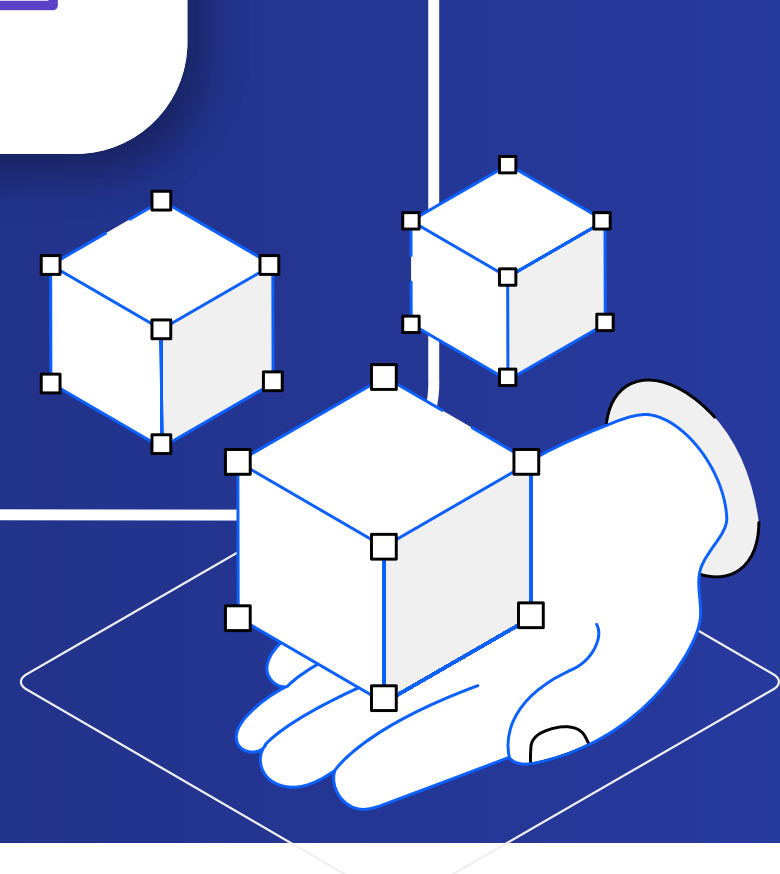
Continuously scan infrastructure and code for flaws.

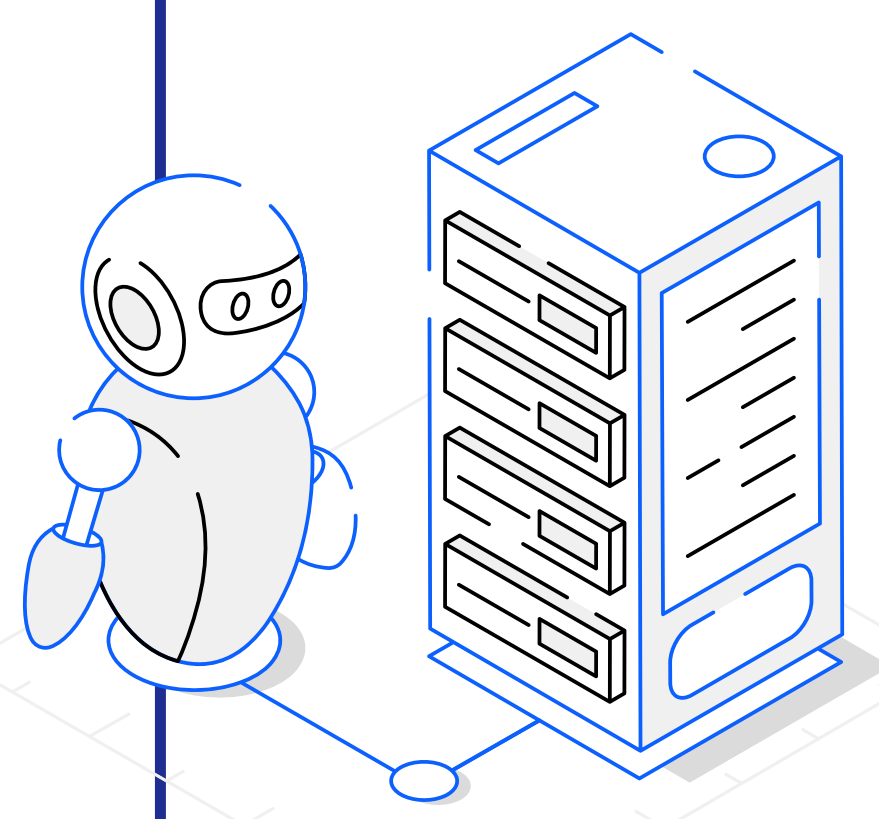
W Workload Isolation

Enforce boundaries between different workloads.

X XML/JSON Validation

Secure APIs by validating all input and output schemas.





Y YAML Hygiene

Avoid misconfigurations in IaC and deployment descriptors.

Z Zero Trust Architecture

Assume breach and verify explicitly for every request.

How NuSummit and Microsoft Sentinel Help

NuSummit, in partnership with Microsoft Sentinel, empowers organizations to stay secure with cloud-native threat detection, automated response, and unified visibility. Together, we help customers strengthen their security posture and simplify compliance, scaling confidently to emerging cyber risks and operational complexity.