AUJAS CYBERSECURITY
A NuSummit Company

The ABCs of Cloud Native Security

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

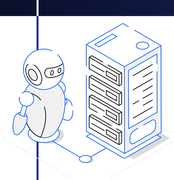
Continuously scan infrastructure and code for flaws.

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.