



Secure Cloud Adoption with Microsoft CAF

Strategy → Governance → Security → Continuous Optimization

#MicrosoftCAF #AzureGovernance #CloudAdoption
#AzureArchitecture #ZeroTrust #MicrosoftSecurity
#PerparimLabs

What is the Cloud Adoption Framework (CAF)?

Microsoft Cloud Adoption Framework (CAF)

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<https://aka.ms/adopt/overview>




- Microsoft's **guidance framework** for adopting Azure securely and effectively.
- Combines **strategy, planning, governance, security, and operations** into one lifecycle.
- Helps organizations **move to the cloud with structure, compliance, and optimization**.


Phases of CAF


CAF Lifecycle Phases


 **Define Strategy** → Business drivers, outcomes, justification.


 **Plan** → Assess digital estate, align org, build adoption plan.

 **Ready** → Landing zones, operating model, skills readiness.

 **Adopt** → Migrate, modernize apps, innovate in cloud.

 **Govern** → Policies, compliance, governance maturity.

 **Manage** → Operational baselines, business commitments, maturity.

 **Secure** → Risk insights, resilience, asset protection (applies across all).

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CAF Security & Governance Guardrails

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Identity-first → MFA, Conditional Access, PIM.



Resource governance → Management Groups, RBAC, Tags.



Policy & compliance → Azure Policy, Blueprints.



Monitoring → Log Analytics, Defender for Cloud, Sentinel.



Cost control → Budget alerts, optimization practices.

Why CAF Matters

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✓ Aligns business outcomes with technical cloud adoption.



✓ Security & compliance baked in from the start.



✓ Provides **repeatable, scalable model** for enterprises.



✓ Helps IT + security leaders accelerate safe cloud adoption.

+ • ◦ Real- World Use Case (Story Mode)

Scenario: A healthcare provider migrating to Azure needs HIPAA compliance.

- **Strategy:** Reduce datacenter cost + improve agility.
- **Plan:** CAF readiness checklist for identity + infra.
- **Ready:** Landing Zones with compliance guardrails.
- **Adopt:** Migrate VMs + databases securely.
- **Govern:** Azure Policy enforces encryption + region restrictions.
- **Manage:** Sentinel for monitoring, Defender for Cloud for posture.