



# Secure Cloud Adoption with Microsoft CAF

Strategy → Governance → Security → Continuous Optimization

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#AzureArchitecture #ZeroTrust #MicrosoftSecurity  
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# 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.

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# 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.