AZURE

Architecture Recommendations

Application: E-Commerce Platform

PRIMARY RECOMMENDATION	Azure Kubernetes Service
CONFIDENCE LEVEL	HIGH
OPTIONS EVALUATED	50 architectures
TOP MATCHES	3 recommendations

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Executive Summary

Confidence Level: **HIGH** Primary Match: **Azure Kubernetes Service**

Key Drivers

- ✓ Cloud-native containerized workload
- ✓ Microservices architecture
- ✓ Need for orchestration

Key Considerations

- ■ Kubernetes learning curve
- ■ Operational complexity

Assessment Inputs

What is your preferred deployment model?	Containers

Detailed Recommendations

#1 AKS Baseline Architecture

92%

Pattern: Kubernetes | Quality: **Curated**

A production-ready baseline architecture for Azure Kubernetes Service with best practices for security, networking, and operations.

Why It Fits

- ✓ Container-based workload matches perfectly
- ✓ Microservices ready
- ✓ Auto-scaling capabilities

Potential Challenges

- ■ Requires Kubernetes expertise
- ■ Higher operational overhead

Core Azure Services: Azure Kubernetes Service, Azure Container Registry, Azure Monitor

Learn more →

#2 Azure Container Apps

78%

Pattern: Serverless Containers | Quality: **Ai Enriched**

Serverless container platform for microservices without managing Kubernetes complexity.

Why It Fits

- ✓ Simpler operations
- ✓ Built-in autoscaling

Potential Challenges

- ■ Less control than AKS

Core Azure Services: Azure Container Apps, Azure Container Registry

Learn more →

#3 Azure App Service

54%

Pattern: PaaS Web Hosting | Quality: **Ai Suggested**

Fully managed platform for building web applications.

Why It Fits

- ✓ Easy deployment

Potential Challenges

- ■ Less container flexibility

Core Azure Services: Azure App Service
