About Blazeclan

Born in Cloud in 2011

750+ Resources 500+ Cloud Certified

End to End Cloud Competencies

Focus on Innovation

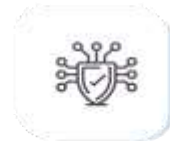**Vast Experience Across Domains**

500+ Customers Engagements

Culturally Aligned- One Team

Revenue Growth at 50% CAGR

Differentiated Proprietary Frameworks

Market Recognition & Compliance Certification	Gartner — IDC — ISO 27001 Certified — ISO 22301 — GDPR — PCI DSS Compliant — Great Place To Work Certified

Key Partnerships	CLOUDFLARE — paloalto — HashiCorp — New Relic — vmware — TREND MICRO — snowflake — databricks

blazeclan

- Microsoft Solution Partner - Infrastructure
- Microsoft Solution Partner - Data & AI
- Microsoft Solution Partner - Digital & App Innovation
- Infra & Database Migration Specialization

Microsoft Solutions Partner
Infrastructure
Azure

Specialist
Infra and Database Migration

- Mentioned in Gartner's Market Guide for Public Cloud Managed & Professional Services, Asia/Pacific 2022
- CRN recognition in MSP500 list in the Pioneer 250 category for 2022
- Ranked 72 in Top 100 Vertical Market MSPs List 2022

Azure Kubernetes Services (AKS) - Overview

AKS is a powerful tool for swiftly developing & deploying cloud-native applications in Azure, data centers, or at the edge, making it the quickest way to embark on modern application development. AKS offers automated management and scalability, resulting in a cost-effective approach to deploying microservices architecture.

OBJECTIVES

- **LEVERAGE** Managed Services Crafted for excellence
- **MODERNIZE** Business & Tech at high speed
- **SCALE** In & Out as & when required to avoid wastage
- **READINESS** on Tech to accommodate growing Business
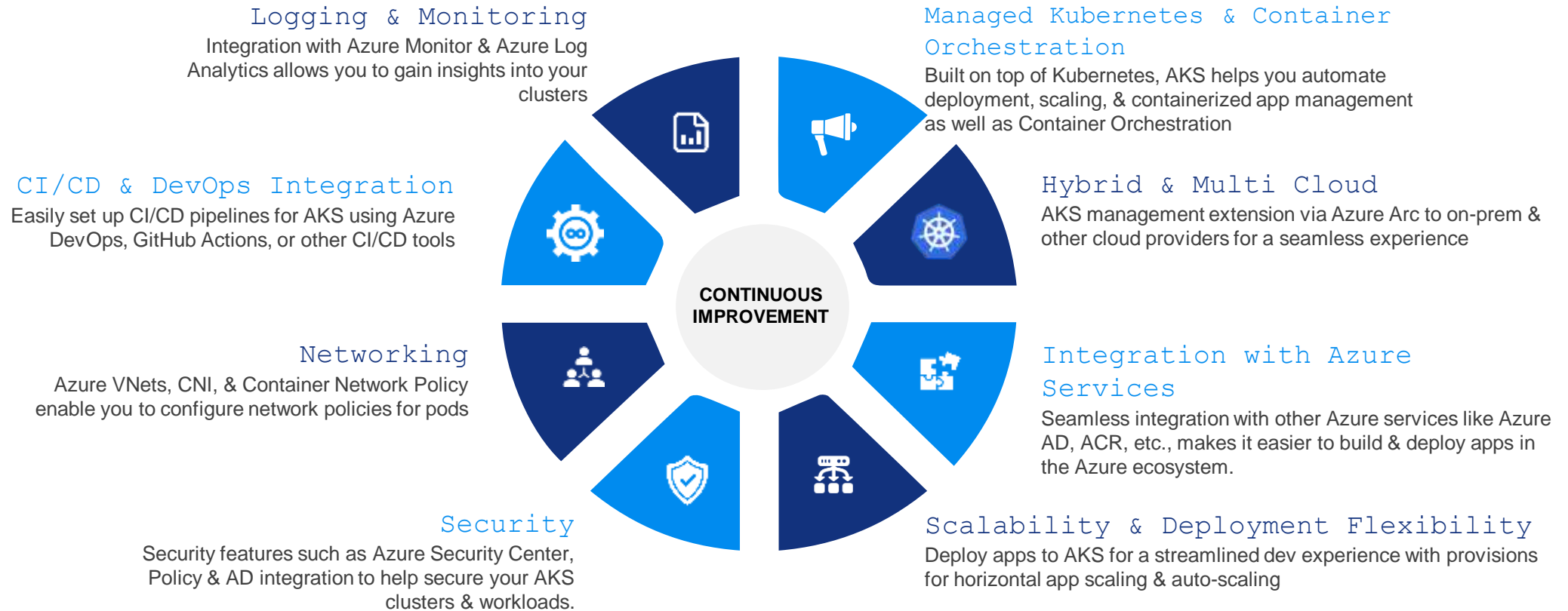- **ENHANCE** Networking, Security & Compliance

BENEFITS

- **SAVE** Cost with Rightsizing with requirements
- **IMPROVED** Performance, Reliability & Scalability
- **OPTIMIZED** Resources with Managed Services
- **ALIGN** People, Processes & Technology
- **EVOLVE** Business with Continuous Improvement
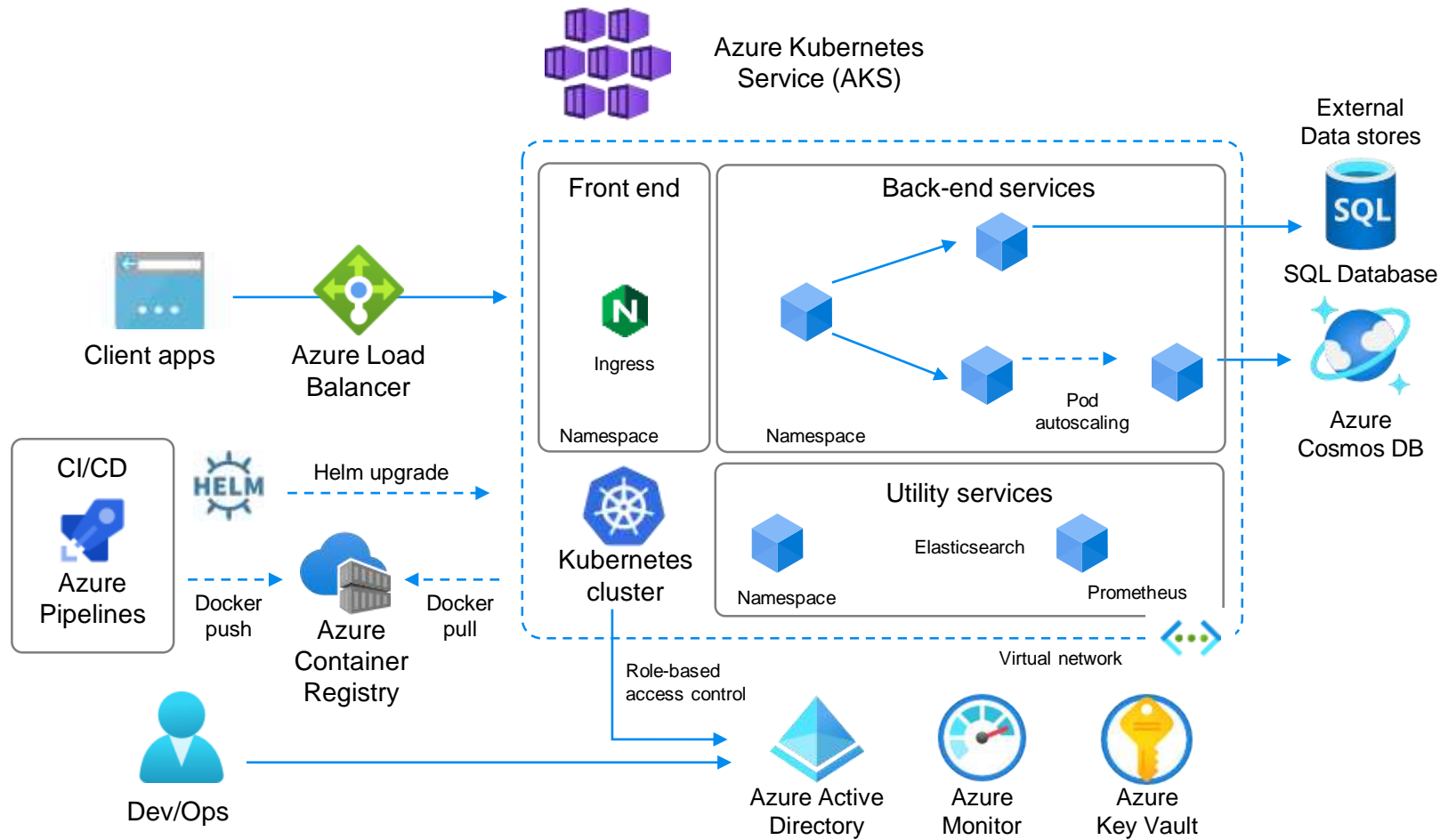
To ensure a successful AKS deployment, Blazeclan's team of certified engineers conducts comprehensive AKS readiness workshops across various domains, including Business, Platform, Security, People, Governance, and Operations.

Azure Landing Zone Design Area Objectives

Evaluating each design area helps us understand & choose the right Azure Landing Zone implementation options. These design areas describe what to consider before deploying a landing zone.

Logging & Monitoring
Integration with Azure Monitor & Azure Log Analytics allows you to gain insights into your clusters

Managed Kubernetes & Container Orchestration
Built on top of Kubernetes, AKS helps you automate deployment, scaling, & containerized app management as well as Container Orchestration

CI/CD & DevOps Integration
Easily set up CI/CD pipelines for AKS using Azure DevOps, GitHub Actions, or other CI/CD tools

Hybrid & Multi Cloud
AKS management extension via Azure Arc to on-prem & other cloud providers for a seamless experience

CONTINUOUS IMPROVEMENT

Networking
Azure VNets, CNI, & Container Network Policy enable you to configure network policies for pods

Integration with Azure Services
Seamless integration with other Azure services like Azure AD, ACR, etc., makes it easier to build & deploy apps in the Azure ecosystem.

Security
Security features such as Azure Security Center, Policy & AD integration to help secure your AKS clusters & workloads.

Scalability & Deployment Flexibility
Deploy apps to AKS for a streamlined dev experience with provisions for horizontal app scaling & auto-scaling

AKS – Reference Architecture (Sample)

Azure Arc Implementation Approach

blazeclan | **Microsoft** Solutions Partner

### Week 1
Planning & Preparation
- Define scope, objectives, & requirements.
- Identify apps or workloads
- Determine budget requirements
- Develop high-level architecture
- Design AKS cluster

Week 2
Setting Up Azure Resources
- Create A Virtual Network
- Set up network security groups & subnets.
- Provision AKS cluster
- Configure networking, Virtual Network Peering
- Secure AKS cluster
- Implement Azure AD Integration
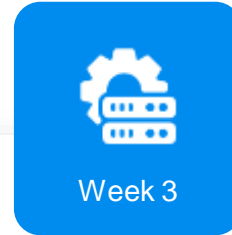
Week 3
**Application Containerization**
- Containerize apps using containerization tools
- Create container files
- Push containers to a container registry
- Test your containerized apps
- Set up a CI/CD pipeline to automate AKS builds & deployments
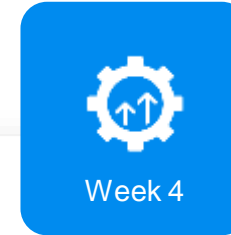
Week 4
Deploy Production Apps to AKS
- Deploy apps to AKS cluster
- Implement logging & monitoring solutions
- Conduct load & performance testing
- Plan deployment strategy,
- Implement scaling & auto-scaling policies
- Deploy & Monitor
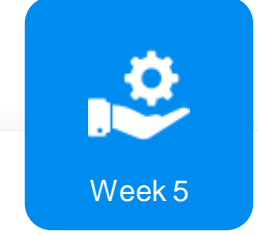
Week 5
Validation, Handover & Signoff
- Perform end to end validation of the deployed AKS
- Prepare & provide AKS docs & Training to client
- Project Handover to Client/ Managed Services Team
- Project Sign Off

DELIVERABLES
AKS Implementation Plan, Design & Architecture | Containerization and Application Deployment | AKS Containerization Docs & Reports

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THANK YOU

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