Accelerate Growth on Cloud

Azure Arc Workshop

Microsoft Azure

Microsoft Solutions Partner
Infrastructure
Azure

Specialist
Linux and Open Source
Databases Migration

Microsoft Solutions Partner
Digital & App Innovation
Azure

Microsoft Solutions Partner
Data & AI
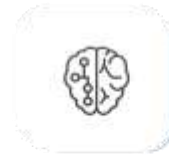Azure

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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

Key Partnerships

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

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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

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Azure Arc - Overview

Azure Arc enable organizations to extend Azure's capabilities to manage & govern resources that are outside Azure cloud environment. It brings your on-premises, multi-cloud & edge resources into the Azure management & governance framework.

OBJECTIVES

- **UTILIZE** Existing Non-Azure resources
- **IMPLEMENT** Quick solution to utilize current resources
- **MANAGE** Resources seamlessly external to Azure Cloud
- **GOVERN** Resources from a centralized platform
- **CONSISTENT** Development across different environment

BENEFITS

- **SAVE** Cost by utilizing existing resources
- **IMPROVED** Performance & Scalability
- **OPTIMIZED** Resources leveraging Hybrid / Multi Cloud
- **SEAMLESS** Integration of Azure & Non-Azure resources
- **FLEXIBLE** infrastructure & connectivity options

Azure Arc introduces cloud-first hybrid management for microservices, data, and traditional services. The primary emphasis lies in standardization, interoperability & compliance, providing you with valuable insights & management capabilities through the central Azure control plane.

Azure Arc - Highlights

Embrace a cloud-first hybrid management approach that simplifies the intricate task of overseeing distributed environments, spanning private & public clouds, data canters & the edge.

Azure Arc Policies & Governance
Define policies to ensure that your hybrid & multi-cloud resources adhere to organizational standards & compliance requirements.

Azure Arc-enabled Kubernetes
Register Kubernetes clusters which you want to ensure if they are running a supported version.

Azure Arc Automation & DevOps Integration
Integrate Azure Arc-enabled resources into your automation & DevOps workflows using Azure DevOps, ARM templates, etc.

Azure Arc-enabled Servers
Implement for servers by installing Azure Connected Machine agent on-premises or edge servers that establishes a connection between servers & Azure.
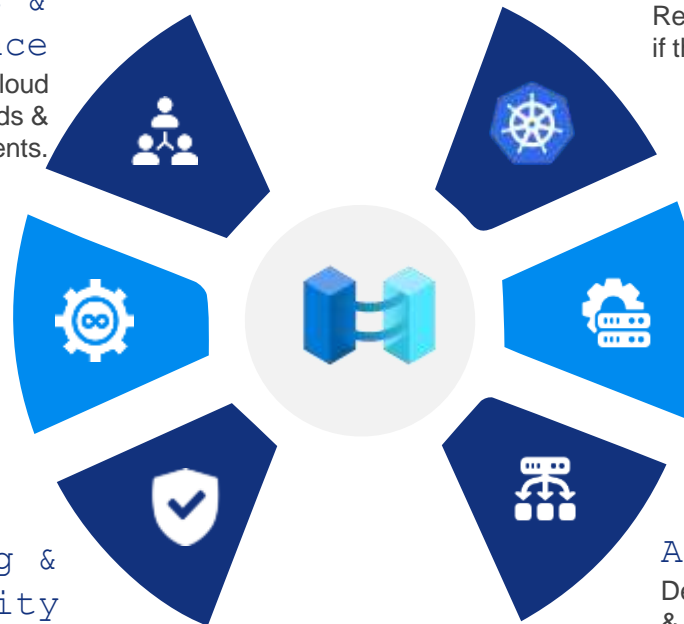
Azure Arc Monitoring & Security
Insights into performance of resources & Security Center helps you detect & respond to security threats & vulnerabilities.
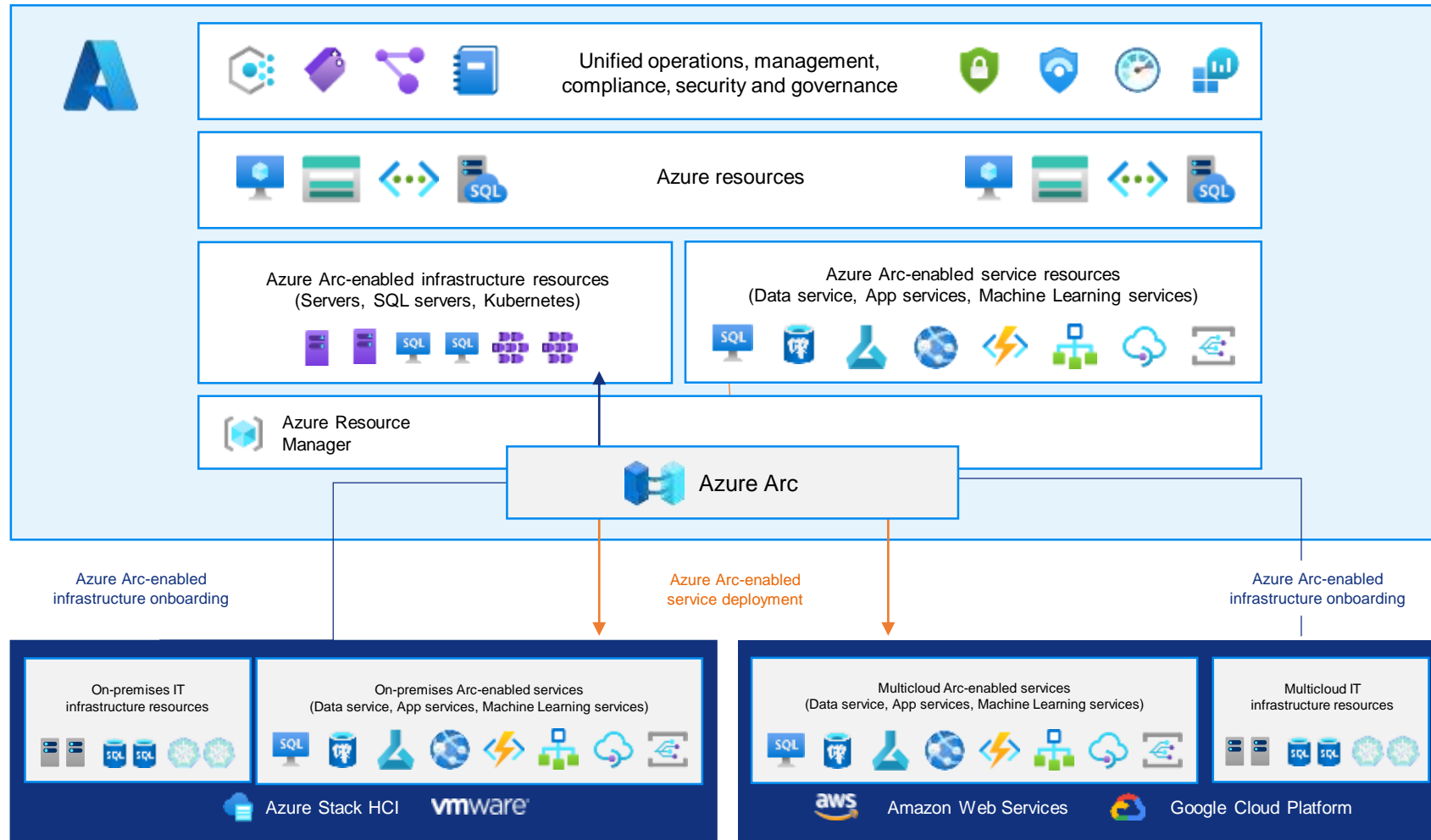
Azure Arc-enabled Data Services
Deploy Azure data services like Azure SQL Managed Instance & PostgreSQL Hyperscale on your own infra or other cloud.

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Azure Arc - Reference Architecture

Unified operations, management, compliance, security and governance

Azure resources

Azure Arc-enabled infrastructure resources
(Servers, SQL servers, Kubernetes)

Azure Arc-enabled service resources
(Data service, App services, Machine Learning services)

Azure Resource Manager

Azure Arc

Azure Arc-enabled infrastructure onboarding

Azure Arc-enabled service deployment

Azure Arc-enabled infrastructure onboarding

On-premises IT infrastructure resources

On-premises Arc-enabled services
(Data service, App services, Machine Learning services)

Multicloud Arc-enabled services
(Data service, App services, Machine Learning services)

Multicloud IT infrastructure resources

Azure Stack HCI vmware

aws Amazon Web Services Google Cloud Platform
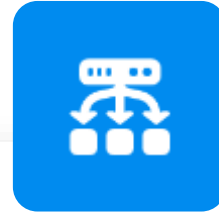
Azure Arc Workshop Agenda

Introduction & basics

- Welcome and introductions
- Overview of Azure Arc and its significance
- Briefly discuss the workshop's objectives
- What is Azure Arc?
- Key benefits and use cases.
- High-level architecture overview.

Connecting Resources

- How to set up your Azure Arc environment
- Installing and configuring the Azure Arc agent.
- Connecting on-premises resources to Azure.

Azure Arc for Servers

- Server management capabilities.
- Overview of policies and configuration management.
- Monitoring and troubleshooting.

Azure Arc for Kubernetes

- Introduction to Kubernetes management with Azure Arc.
- Connecting and registering Kubernetes clusters.
- Applying policies and configuration management.

Q&A and Discussion

- Open the floor for questions and discussion.
- Address specific use cases or challenges raised by participants.
- Provide resources for further learning

DELIVERABLES
Azure Arc workshop Materials, Resource Templates and Scripts| Azure Arc Reference Documentation |

Azure Arc Implementation Approach

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Week 0
Arc Workshop
- Introduction
- Azure Arc Basics
- Connecting Resources
- Azure Arc for Servers
- Azure Arc for Kubernetes
- Q&A & Discussion
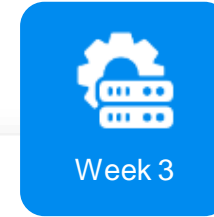
Week 1
Assessment & Preparation
- Assess existing infra
- Identify servers, K8s clusters & data services to be connected.
- Verify prerequisites
- Prepare infrastructure for Azure Arc
- Ensure necessary Azure subscriptions & permissions

Week 2
Agent Installation & Registration
- Install Azure Connected Machine agent on servers.
- Parallelize possible installations
- Agent installation
- Register servers with Azure Arc
- Register & clusters & data services

Week 3
Configuration, Integration & Testing
- Configure Azure Arc settings as per predefined requirements
- Integrate Azure Arc with Azure management tools such as Azure Policy & Azure Monitor.
- Test Azure Arc functionality, focusing on core use cases

Week 4
Final Testing, Training, & Deployment
- Perform thorough testing
- Address issues that arises
- Train IT stakeholders on Azure Arc usage
- Deploy Azure Arc to prod environment
- Monitor closely during initial deployment
- Handover & Sign-Off

DELIVERABLES
Azure Arc Implementation Plan, Design & Framework | Azure Arc Implementation, Validation & Monitoring | Azure Arc Docs & Reports

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THANK YOU

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