Connected World.
Connected Experiences.

Microsoft | Tech Mahindra

Accelerate your Azure Cloud Journey with Tech Mahindra

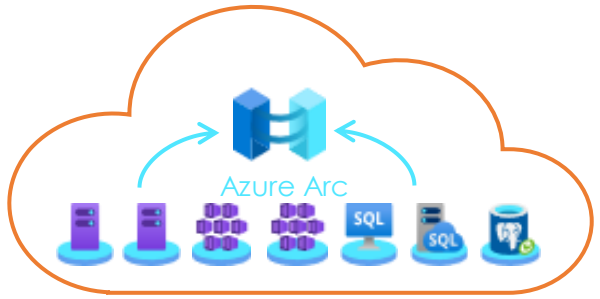
Tech Mahindra is a Certified Cloud Adoption Framework (CAF) Ready Partner, and our Azure Cloud offerings are aligned to CAF

Gold Microsoft Partner
Azure Expert MSP
Microsoft

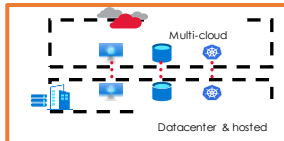
Partner Advanced Specialization
Kubernetes on Microsoft Azure

Azure Arc

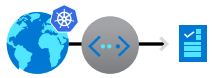
Azure Arc Overview



Manage & Operate infrastructure from the Azure control plane and run Azure services on your infrastructure



Gain central visibility, operations, and compliance



Build Cloud native apps anywhere, at scale

Run Azure services anywhere

Azure Arc Solution Offering

Hybrid and Multi Cloud Management Challenges:

- Lack of Visibility for enterprise workloads spread across On Premises, Multiple Clouds and Edge Locations
- Each Cloud Environment has own set of Management Tools and Operations hence difficult to manage
- Challenge of inventory management and organize resources spanned across Multiple Environments
- Complexity to apply standard Security Policies across different environments
- Address regulatory requirements for Governance & compliance on distributed workloads
- Complexity of Application and Data Development on various Cloud Platforms

How Azure Arc addressing above challenges:

- **Unified View :** Single Pane of Glass to view various workloads together, such as Virtual Machines, Databases, Kubernetes clusters etc. spread across multiple cloud environments.
- **Simplified Management :** Leverage familiar Azure Management Tools, capabilities and extend Azure Services to various Cloud environments
- **Organized Resources :** Organize resources across distributed locations and ease of inventory management with searching & Indexing capabilities.
- **Standard Security :** Apply Standard security Policies for workloads spread across different environments.
- **Governance & Compliance :** Ensure consistent Governance and compliance to meet regulatory requirements
- **App and Data Modernization :** Accelerate App modernization by building cloud native apps on any environment using Kubernetes. Run Azure Data and Machine Learning Services on Kubernetes

1 Centralized Management

Manage various workloads together in Hybrid and Multiple Cloud environments

Manage virtual machines, Kubernetes clusters, and databases etc. outside Azure

2 Security and Governance

Secure and Govern Infrastructure and applications in multiple clouds managed by azure arc

Meet Governance and Compliance standards using Azure Policies

3 Build Cloud Native Apps

Use existing tools and practices such as Visual Studio, Terraform, GitHub to build cloud native apps

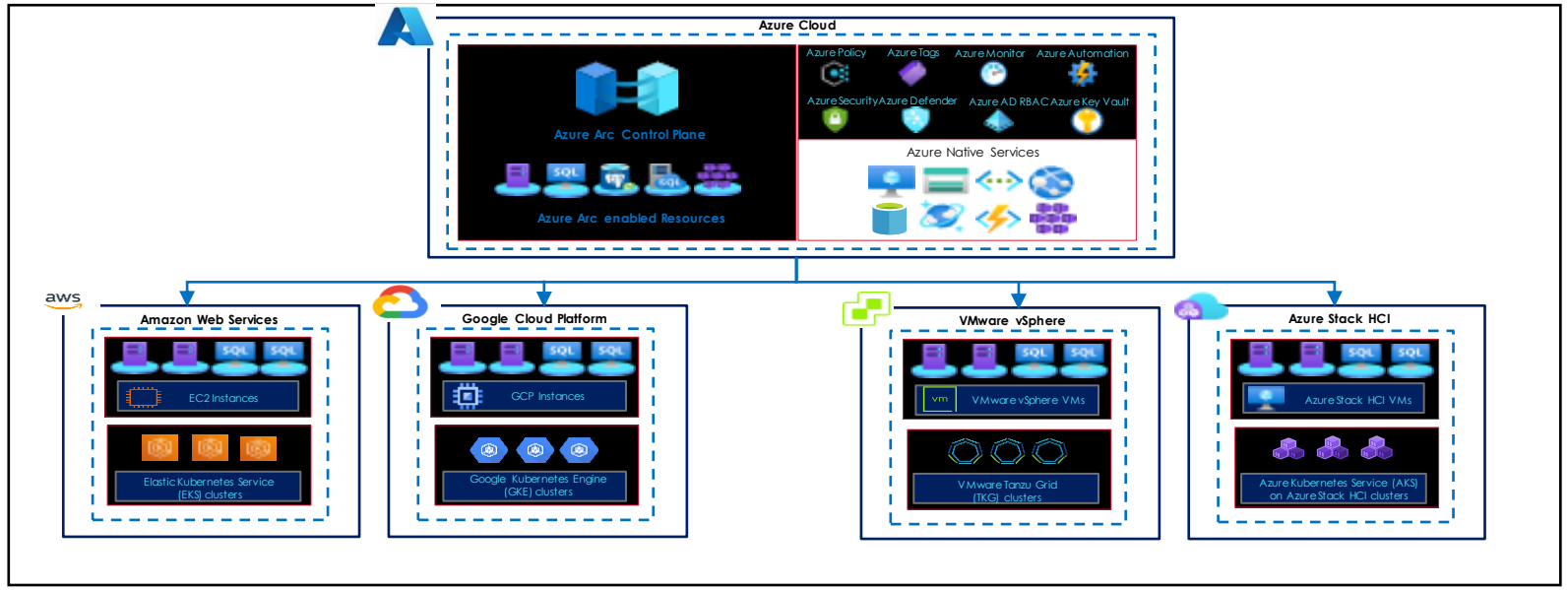
Run Azure data and machine learning services anywhere

Our Offering and Deployment Scenarios

What We Offer

- Consulting / Strategy / Advisory
- Assessment, Design & Procure
- Deployment / Implementation & Configuration
- Hybrid & Multi Cloud Management
- Managed Services

Deployment Scenarios



Value Proposition : Brainscale A Tech Mahindra Company is Launch Partner for Azure Arc

mPAC™ Managed Platform for Adaptive Computing

A Hybrid Multi-Cloud Management Framework for an Accelerated Cloud Transformation

Microsoft Partner
Microsoft
Gold Datacenter
Gold Cloud Platform
Gold Cloud Productivity
Gold Data Analytics
Silver DevOps

Tech M is Strategic Partner with Microsoft with Dedicated Azure Practice

BrainScale
A TECH MAHINDRA COMPANY

Tech Mahindra's Microsoft Specific Acquisition

Gold
Microsoft Partner
Azure Expert MSP
Microsoft

Tech M is an Azure Expert MSP & Networking MSP for Microsoft with 12 competencies

Our Approach – Azure Arc Deployment

Strategy & Assessment

- Hybrid / Multi Cloud Management Strategy
- Azure Arc Capabilities Workshop
- Technical Requirements Gathering
- Infrastructure Discovery and Assessment
- Identify Project Goals & Requirements
- Strategy, Assessment Documentation

Strategy & Assessment Document

Plan

- Azure Arc Hybrid / Multi Cloud Architecture Design
- Plan for Workloads for Azure Arc Management
- Plan for Network and Connectivity
- Plan for Accounts & Permissions
- Plan for Deployment Approach
- Planning and Design Documentation

Planning & Design Document

Ready

- Azure Arc Prerequisites Validation
- Deploy Azure Arc Solution as per design
- Azure Arc Workloads Onboarding
- Azure Unified View Configurations
- Azure Arc Policies Configurations
- Azure Arc Deployment Completion

Azure Arc Deployment Sign off

Adopt

- Azure Unified View Management
- Azure Arc Enabled Servers management
- Azure Arc Enabled Kubernetes management
- Azure Arc Enabled Data Services management
- Azure Arc Management Use Cases Validation
- Azure Arc Management Validation

Azure Arc Management Validation Sign Off

Govern & Manage

- Deployment Guide Documentation
- Operations Guide Documentation
- Product roadmap and future changes plan
- Maximize investment in Hybrid / Multi Cloud Management
- Handover and BAU
- Project Conclusion & Signoff

Deployment & Operations Document

Azure Arc Management

Tech Mahindra is Certified Microsoft Cloud Adoption Framework (CAF) ready Partner and Azure Arc Deployment approach is aligned with CAF

Use Cases:

Azure Arc Enabled Servers	
Azure Services / Capabilities	**Operations**
Azure Policy	Assign Azure Policy guest configurations to audit settings inside the machine.
Azure Monitor	Monitor the connected machine guest operating system performance, and discover application components, their processes and dependencies with other resources using VM insights.
Microsoft Defender for Cloud	Protect non-Azure servers through Microsoft Defender for Cloud, to proactively monitor for potential security threats.
Microsoft Sentinel	Configure machines connected to Arc enabled servers with Microsoft Sentinel
Azure Automation	Automate frequent and time-consuming management tasks, configuration changes and manage operating system updates
Azure Automanage (preview)	Automate onboarding and configuration of a set of Azure services using Automanage
VM extensions	Post-deployment configuration and automation tasks for non-Azure Windows or Linux machine.

Azure Arc Enabled Kubernetes	
Azure Services / Capabilities	**Operations**
Connect Kubernetes cluster	Connect an existing Kubernetes cluster to Azure Arc.
Inventory & Tagging	Connect Kubernetes for inventory, grouping, and tagging.
Azure Policy for Kubernetes	Apply policy definitions using Azure Policy for Kubernetes.
Azure Monitor for containers	View and monitor clusters using Azure Monitor for containers.
Microsoft Defender for Kubernetes	Enforce threat protection using Microsoft Defender for Kubernetes.

Azure Arc enabled Data Services	
Azure Services / Capabilities	**Operations**
Data services	Install client tools for deploying and managing data services
SQL Managed Instance	Configure SQL managed instance, monitor, log analysis, billing information, reserve capacity, rotate certificates and delete instances
PostgreSQL Hyperscale (preview)	Configure, scale, monitor, log analysis, bill, secure, delete, manage PostgreSQL Hyperscale server group

Managed Services:

MANAGED SERVICES

Tech Mahindra will follow ITIL best practices for providing Managed Support Services for Azure Arc Solution management. The support is split in to three categories Level 1, Level 2 and Level 3 based on nature of the support needed.

ENGAGEMENT MODEL – RESOURCE AND DEVICE BASED

Dedicated Model
Controlled / Customized

Shared Model
Standardized / Optimized

Hybrid Model
Best of Both Worlds

INNOVATIVE SERVICE LEVELS WITH INDUSTRY LEADING SLA'S

Service Levels	Gold Service (Prod Env)			Silver Service (Prod + Non-Prod Env)			Bronze Service (Test /PoV Env)		
SLA	99.95%			99.7%			99.5%		
Severity#	Service Hours	Response Time	Resolution Time	Service Hours	Response Time	Resolution Time	Service Hours	Response Time	Resolution Time
Sev-1	24 * 7	1 Hrs	2 Hrs	24 * 7	2 Hrs	4 Hrs	08:00 * 18:00 M-F	2 Hrs	8 Hrs
Sev-2	24 * 7	2 Hrs	4 Hrs	24 * 7	3 Hrs	6 Hrs	08:00 * 18:00 M-F	4 Hrs	1 Biz days
Sev-3	08:00 * 18:00 M-F	4 Hrs	8 Hrs	08:00 * 18:00 M-F	6 Hrs	NBD	08:00 * 18:00 M-F	8 Hours	2 Biz days

Tech Mahindra's Azure Cloud Services

GET A DEMONSTRATION:

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CALL FOR MORE INFORMATION:

+91-7008922460

ASK A QUESTION VIA EMAIL:

microsoftgtm@techmahindra.com

LEARN MORE:

https://www.techmahindra.com

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