

AZURE ARC-ENABLED DATA SERVICES WORKSHOP

THE FUTURE STARTS NOW

14K+

Associates

40

Offices

Europe, USA & APAC

15+

Countries

With SoftServe clients

77

**NPS score
(Global)**

10,500+

Engineers

1700+

Certified

Cloud Engineers

ISO

27001 : 2013

Standard

30%

CAGR

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GLOBAL NETWORK

13,000+ experts in
41 offices globally



**OUR PEOPLE
MAKE THE
DIFFERENCE**

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FEATURED CUSTOMERS



SAMSUNG

cloudera



logitech

BBVA



Nordea

kony DBX



ATLASSIAN



Panasonic



MEDHOST



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SOFTSERVE + MICROSOFT OVERVIEW

MICROSOFT SOLUTIONS PARTNER

Partner since 2004

MICROSOFT PRACTICE

- 2 Microsoft MVPs
- 500+ Satisfied Customers
- 1,000+ Delivered Projects
- 500+ Microsoft Certified Professionals
- 250+ Azure Certified Professionals

PROGRAM PARTICIPATION

- ECIF Eligible
- AMM Eligible
- Azure Innovate Eligible
- MRPP Partner
- CAF Ready Partner
- 20+ Marketplace Offerings

 Microsoft
Solutions Partner

Infrastructure
Azure

 Microsoft
Solutions Partner

Security

 Microsoft
Solutions Partner

Digital & App Innovation
Azure

Specialist
Kubernetes on Azure

 Microsoft
Solutions Partner

Data & AI
Azure

Specialist
Analytics

4 X SOLUTION AREAS

- Data & AI
- Digital & App Innovation
- Infrastructure
- Security

2 X SPECIALIZATIONS

- Kubernetes on Azure
- Analytics on Azure

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SOFTSERVE CTO ORG CENTERS OF EXCELLENCE



RESEARCH & DEVELOPMENT

- R&D Innovation
- Feasibility Study
- R&D as a Service
- Deep Tech Research
- Advanced AI



EXPERIENCE DESIGN

- Design Thinking
- Design Research
- Design Strategy
- Product Design
- Service Design
- Design Ops



SOLUTIONS

- Digital Strategy
- Business Analysis
- Product Management
- Architecture
- Performance Testing



INTELLIGENT ENTERPRISE

- Big Data
- Data Science, AI/ML, MLOps
- IoT
- Robotics
- Extended Reality (AR / VR / MR)
- GDPR
- Blockchain
- Technical Due Diligence



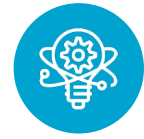
PLATFORMS

- Salesforce
- Sitecore
- MS Dynamics
- AEM
- EPiServer
- MuleSoft
- Magento
- Dell Boomi
- Shopify
- Drupal



CRITICAL SERVICES

- Cloud/DevOps
- Cyber Security
- Managed Support
- Enterprise IT



INNOVATION

- Innovation Strategy
- Innovation Platform

CLOUD EXPERTISE HIGHLIGHTS

900+

Cloud-Based
Solutions
Engagements

3000+

Cloud
Experienced
Professionals

1000+

Engineers with
cloud-related
certification

100+

Hyper
Converged
Projects

150+

Data Cloud
Experts

300+ BUSINESS ANALYSTS

- Consultants
- Business Analysts
- Usability Experts
- Project Management
- Project Managers

3000+ TECHNOLOGISTS

- Cloud Enterprise Architects
- Data Architects
- QA Engineers
- DevOps
- Technical Support

150+ STRATEGISTS AND DESIGNERS

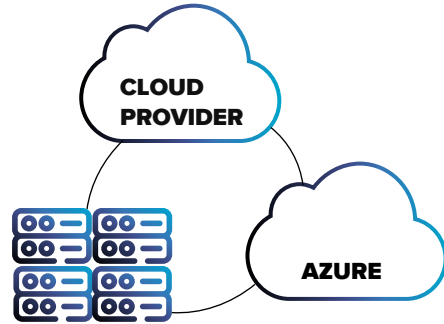
- Digital Strategists
- Subject Matter Expertise
- Program Managers
- Experience Design and Usability
- Visual Designers



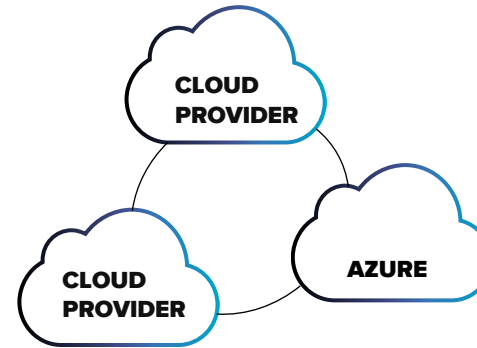
10 YEARS
PROVEN DELIVERY OF
CLOUD-BASED SOLUTIONS

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HYBRID vs MULTICLOUD



A hybrid cloud is a type of cloud computing that combines a private cloud (on-premises infrastructure), with a public cloud.



Multicloud computing refers to the use of multiple cloud computing services from more than one cloud provider (including private and public clouds), in a heterogeneous environment.

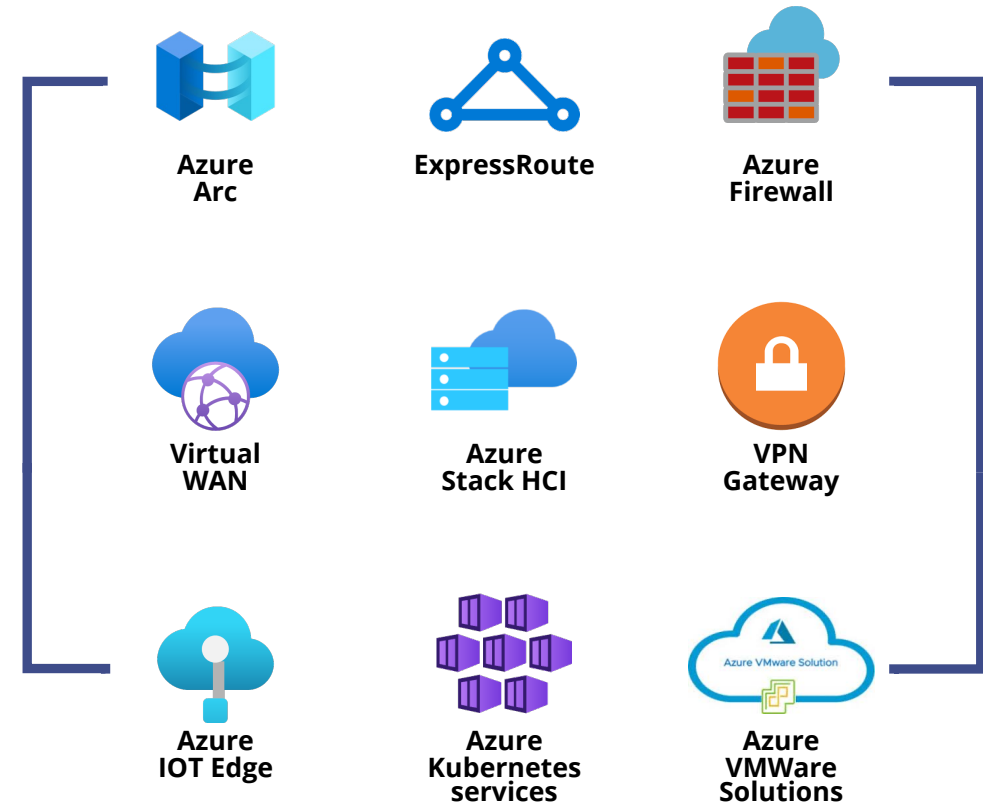
HYBRID, EDGE & MULTICLOUD

Cloud-managed edge computing devices bring the computing power of the public cloud to the private cloud. Working with this direction, you can leverage the power of new services:

- Azure Arc
- Azure Stack HCI
- Azure VMWare Solution

WE PROPOSE:

- PoC and workshops
- Design and implement Hybrid solution
- Build Multi-cloud strategy
- Azure Hybrid services integration



HYBRID & MULTICLOUD MOTIVATION



**PRODUCT
MIGRATION AND
MODERNIZATION**



**BUSINESS
CONTINUITY**



**SAFE
INNOVATIONS**



**MAXIMIZE
PERFORMANCE**

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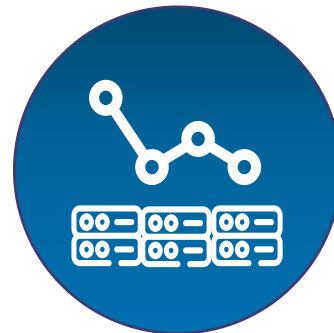
HYBRID & MULTICLOUD USE CASES



**FLEXIBILITY TO
MOVE
WORKLOADS
ACROSS
PLATFORMS**



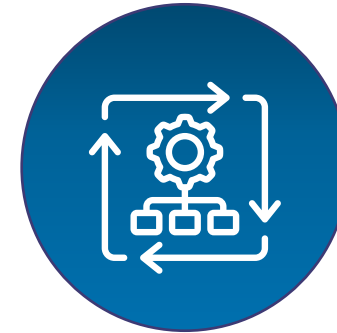
**WORKLOADS
RELIABILITY**



**MINIMIZE
DEPENDENCY
ON PLATFORM**



**COST
EFFICIENCY**



**WORKLOADS
TIERS
SEGRAGATIONS**

ABOUT AZURE ARC-ENABLED DATA SERVICES

Azure Arc product group is a bridge that extends the Azure platform to help build applications and services with the flexibility to run across data centers, at the edge, and in multi-cloud environments.

Arc-Enabled Data Services is a product that makes it possible to run Azure data services such as Azure Arc-enabled-SQL Managed Instance and Azure Arc-enabled PostgreSQL Hyperscale on top of any Kubernetes cluster. Azure Arc-Enabled Data Services will enable you to:

- **Reduce costs.** The deployment of Azure Arc reduces their total cost of ownership for data management. The technology helps data management by automating many of the tasks associated with maintaining an on-premises data infrastructure.
- **Accelerate development.** The use of Azure Arc allows accelerating the development of new applications and services, as the technology simplifies the process of provisioning and managing databases.
- **Keep up with the availability requirements.** Azure Arc improves the availability and performance of databases, as the technology simplifies scaling resources to meet changing demand and integrates with Azure Monitor to provide real-time visibility into the health and performance of the databases.

Arc-Enabled Data Services Workshop

CONSISTS OF:

- **Uncovering the concepts and features** of Azure Arc-Enabled Data Services
- **Gathering details** about the workload and infrastructure
- **Preparing the enablement vision and roadmap** for Azure Arc-Enabled Data Services

Create Azure Arc data controller

Step 1: Deployment pre-requisites

The Kubernetes cluster must already be arc-enabled with the az connectedk8s connect command. Please use our [documentation page](#) to learn more.

Required tools

Tool	Description	Status	Version	Required Version	Discovered Path or Additional Information
kubectl	Runs commands against Kubernetes clusters	Installed	1.23.1		/opt/homebrew/bin/kubectl
Azure CLI	Manages Azure resources	Installed	2.41.0		/opt/homebrew/bin/az

The screenshot displays the SQL Managed Instance Metrics dashboard. It features several performance graphs: Transactions/sec, Batch Requests/sec, Wait Statistics (Wait time ms), Memory Broker Clerks, and Database Activity. Each graph shows data over time with various metrics and current values.

Workshop **AGENDA**



Day 1

4 hours

- Introduction to Azure Arc product group and Arc-Enabled Data Services, product features and pre-requisites
- Data services business and architectural drivers gathering session
- Workload details gathering session

Day 2

3 hours

- Presenting the Arc-Enabled Data Services enablement vision and roadmap
- Q&A

**FOR
THE
FUTURE**

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