Microsoft Azure Arc
Proof of Concept

HIGHLIGHTS

- **Streamline Operations Across Platforms:** Manage on-premises, multi-cloud, and edge resources seamlessly from a unified platform.

- **Strengthen Security and Compliance:** Extend Azure's security and compliance to all environments, reducing risk and meeting regulatory standards.

- **Stay Agile in a Changing Landscape:** Quickly adapt to evolving business demands with simplified IT operations and minimized complexity.

- **Leverage Visibility:** Gain comprehensive insights into all resources for better decision-making.

ABOUT DAYMARK

Daymark Solutions excels in creating sophisticated technology solutions, specializing in addressing complex business challenges through expertly designed systems. Their highly skilled architects are adept at crafting well-architected solutions that seamlessly integrate cloud and data center technologies. By combining these technologies, they create robust, scalable and secure systems tailored to meet their clients' unique needs.

Streamline management of on-premises, multi-cloud, and edge resources from a unified platform.

OVERVIEW

Managing resources across on-premises, multi-cloud, and geographically dispersed environments can be challenging. A centralized solution that enables policy enforcement, governance, and monitoring across all environments is essential. Daymark's Proof of Concept (POC) demonstrates how Azure Arc can centralize control, offering a unified management experience and extending Azure's capabilities to any infrastructure. This POC is especially beneficial for organizations aiming to modernize IT operations, enhance governance, and ensure compliance across diverse environments.

This engagement guides you through planning, configuring, and implementing Azure Arc as part of a structured POC. Key steps include selecting ten target servers, configuring Role-Based Access Control (RBAC) roles and Azure Policies, establishing connectivity, resource tagging, and deploying Azure Monitor for logging. By the end of the engagement, you'll have a basic Azure Arc deployment suitable for further POC testing and evaluation.

The POC provides an opportunity to test Azure Arc's ability to manage resources consistently across on-premises and cloud environments from a single control plane. You'll assess how Azure Arc extends Azure security and governance practices across your infrastructure, enabling a consistent deployment, management, and monitoring approach regardless of resource location. Azure Arc's adaptability ensures you can leverage Azure services to quickly respond to evolving business needs across your entire IT landscape.

LEARNING OBJECTIVES

After the engagement, participants will be able to:

- Develop expertise in seamlessly managing diverse resources with Azure Arc.

- Use tagging best practices in Azure Arc to streamline resources.

- Utilize Azure Monitor through Azure Arc for comprehensive server monitoring and management.

- Identify and implement configuration audits across operating systems, applications, and environments to ensure compliance and consistency.

AGENDA

Workstream 1: Planning & Basic Environment Setup

- **Objective:** Provide an overview of Azure Arc, discuss planning and requirements, and conduct group work to deploy Azure Arc in the customer environment.

- **Activities:**
  - Review Role-Based Access Control (RBAC) needs.
  - Define policy governance requirements.
  - Configure advanced networking and resource tagging.
  - Identify servers to include in the POC.
  - Create custom RBAC roles.
  - Implement an Azure Policy for governance.
  - Enable connectivity for Azure Arc.
  - Set up logging via Azure Monitor.

Workstream 2: Integrating Resources with Azure Arc

- **Objective:** Review of Azure Arc capabilities, admin tasks, Arc settings, monitoring setup, onboarding procedure, and dashboards.

- **Activities:**
  - Provide an overview of Azure Arc features and functionality.
  - Complete server onboarding to Azure Arc.
  - Configure RBAC roles for access control.
  - Set and apply Azure policies for governance.
  - Configure networking components for Azure Arc.
  - Enable Azure Monitor logging.
  - Build an Azure dashboard to visualize key metrics from Azure Arc.

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