



# WorkshopPLUS - Azure Arc with Labs

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WorkshopPLUS | 1 or 2 Days | Remote or Onsite | Level 300 - Advanced

## Description

WorkshopPLUS - Azure Arc with Labs is designed to explore the adoption of a hybrid and multicloud strategy with Azure Arc. You'll learn to extend your on-premises infrastructure and cloud service providers into Azure, centralize management, and enhance security and monitoring. Discover the unified management interface for Windows and Linux servers to streamline your operations. Prepare your infrastructure for transition and modernization with Azure Arc, facilitating your migration plan and cloud services adoption.

## Objectives

- Establish basic level of proficiency in Azure Arc technologies.
- Gain hands-on experience in Azure Arc technology.
- Gain insights on applying Azure native services for Arc-enabled assets, including:
  - Security and Governance.
  - Management.
  - Monitoring, and Automation.

## Outcomes

- Realize the value of Azure Arc and Azure services integration.
- Learn design considerations to onboard non-Azure infrastructure.
- Know how to onboard infrastructure assets to Azure with Azure Arc.
- Establish a readiness level across ITOps teams on Azure Arc.

## Methodology

- **Ramp up:** Learn the key concepts and principles of solution architecture.
- **Hands-on Labs:** Experience and learn with hands-on labs in a controlled environment.

# Agenda for Open Class Workshops

## 1 Day Agenda (No hands on experience)

- Introduction to Azure Arc
- Onboarding Windows and Linux Servers.
- Keep your Azure Arc-enabled servers patched using Azure Update Manager.
- Enroll your Windows Server 2012/ R2 machines for Extended Security Updates with Azure Arc.

## 2 Days Agenda (Contains Hands on experience)

- Introduction: Azure Arc-enabled servers Overview
- Onboarding Windows and Linux Servers to Azure Arc
- Securing Azure Arc-enabled servers with Microsoft Defender for Cloud
- Governance across Azure Arc-enabled servers using Azure Policy and Azure Machine Configuration
- Monitor your Azure Arc-enabled servers using Azure Monitor, Change Tracking and Inventory
- Keep your Azure Arc-enabled servers patched using Azure Update Manager
- Enroll your Windows Server 2012/ R2 machines for Extended Security Updates with Azure Arc

**This WorkshopPLUS Lab experience is designed to be delivered in consecutive days. Splitting days across several weeks is not recommended and will impair the delivery experience.** Once the labs are launched, the lab environment is available for 4 days, to accommodate deliveries that need to be split across half days (for time zone reasons). The labs guide and the slides are downloadable so users can practice in their own time and environment after the workshop delivery.

# Agenda for Closed Class Workshops

## 1 Day Agenda (No hands on experience)

Select up to 5 Modules

## 2 Days Agenda (Contains Hands on experience)

Select up to 10 Modules

Here's a list of all the Modules you can select to customize your closed classroom workshop:

- Introduction: Azure Arc-enabled servers Overview (60 minutes)
- Lab environment deployment - **must be carried out in hands on experience option** (90 minutes)
- Onboarding Windows and Linux Servers to Azure Arc - **must be carried out in hands on experience option** (90 minutes)
- Securing Azure Arc-enabled servers with Microsoft Defender for Cloud (90 minutes)
- Governance across Azure Arc-enabled servers using Azure Policy and Azure Machine Configuration (90 minutes)
- Monitor your Azure Arc-enabled servers using Azure Monitor, Change Tracking and Inventory (90 minutes)
- Gain security insights from your Arc-enabled servers using Microsoft Sentinel (60 minutes)
- Keep your Azure Arc-enabled servers patched using Azure Update Manager (90 minutes)
- Enroll your Windows Server 2012/ R2 machines for Extended Security Updates with Azure Arc (60 minutes)
- Query and inventory your Azure Arc-enabled servers using Azure Resource Graph (60 minutes)
- Additional automation capabilities for your Azure Arc-enabled servers (90 minutes)

Arc-enabled SQL Server modules:

- Connect a SQL Server to Azure Arc (60 minutes)
- Connect SQL Servers to Azure ARC using offline MSI installer (60 minutes)
- Get insights on your Arc-enabled SQL Servers and Databases using the Azure Resource Graph (30 minutes)
- Enable and run SQL Server Best Practices Assessment (90 minutes)
- Protect your Arc-enabled SQL Server with Microsoft Defender for Cloud (90 minutes)
- Select the optimal Azure SQL target using Migration Assessment (60 minutes)

#### **For closed class workshops**

- A scoping call will be set up prior to the workshop delivery to customize the agenda and select the most relevant Modules.
- The agenda will be built leveraging the expected duration of the modules to ensure they fit within the two days of delivery. (Check table above)
- The first two labs must be carried out before attempting any other labs.

## Participants

- IT Professionals
- System Administrators
- Cloud Architect

## Time Commitment

1 or 2 full-day engagement.

## Skill Requirements

- Fundamentals of Azure Infrastructure
- Understanding of Windows and Linux Server knowledge