

**Deploy and Manage Azure Arc-enabled Servers (AZ-1010)**

**Course Number:** MOC-AZ-1010  
**Duration:** 1 day

**Overview**

This official Microsoft course, Deploy and Manage Azure Arc-enabled Servers (AZ-1010), teaches learners how to deploy, update to Arc-enabled servers using Azure Update Manager, and configure Microsoft Defender for Cloud for Azure Arc-enabled servers.

**Prerequisites**

All learners must have experience using the Azure portal to create resources and basic knowledge of

* security concepts like identities, permissions, and encryption
* networking concepts like virtual networks, subnetting, and hybrid scenarios
* Azure Policy and Azure Arc concepts

**Materials**

All Microsoft Azure AI training students receive Microsoft official courseware.

For all Microsoft Official Courses taught in their entirety that have a corresponding certification exam, an exam voucher is included for each participant.

**Software Needed on Each Student PC**

Attendees will not need to install any software on their computers for this class. The class will be conducted in a remote environment that Accelebrate will provide; students will only need a local computer with a web browser and a stable Internet connection. Any recent version of Microsoft Edge, Mozilla Firefox, or Google Chrome will work well.

**Objectives**

* Understand the characteristics, capabilities, and use cases of Azure Arc-enabled servers
* Plan and securely deploy Azure Arc-enabled servers at scale in hybrid and multi-cloud environments
* Govern Azure Arc-enabled servers using Azure Policy and Azure Automanage
* Configure and manage updates for Azure Arc-enabled servers using Azure Update Manager
* Secure Azure Arc-enabled servers with Microsoft Defender for Cloud
* Utilize scripting and automation to manage Azure Arc-enabled servers efficiently
* Gain hands-on experience onboarding, securing, monitoring, and updating on-premises Windows servers with Azure Arc

**Outline**

* Introduction to Azure Arc-enabled servers
  + Characteristics of Azure Arc-enabled servers
  + Core management and governance capabilities
  + Security and monitoring capabilities
* Plan and deploy Azure Arc-enabled servers at scale
  + Azure Arc-enabled servers overview and capabilities
  + Testing capabilities with Azure VMs
  + Planning for secure configuration
  + Onboarding servers at scale
  + Best practices for management and services
* Govern your hybrid and multicloud machines through Azure Arc-enabled servers
  + Governance with Azure Policy Guest Configuration
  + Assigning Azure Policies
  + Azure Automanage best practices
  + Modernization with Azure Automation
* Configure updates of Azure Arc-enabled servers by using Azure Update Manager
  + Azure Update Manager overview and key features
  + Managing updates for Azure Arc-enabled servers
  + Creating and associating maintenance configuration schedules
* Configure Microsoft Defender for Cloud for Azure Arc-enabled servers
  + Microsoft Defender for Cloud overview
  + Securing cloud applications and workloads
  + Connecting non-Azure machines
  + Onboarding Windows and Linux servers
  + Verifying machine connections
* Manage Azure Arc-enabled servers by using scripting
  + Connecting hybrid machines using deployment scripts
  + Connecting hybrid machines using PowerShell
  + Connecting machines at scale with PowerShell and Configuration Manager
* Guided exercise - Manage on-premises Windows servers by using Azure Arc
  + Onboarding Windows servers
  + Managing with Azure Policy
  + Enhancing security with Microsoft Defender for Cloud
  + Monitoring with Azure Monitor
  + Managing updates with Azure Update Manager
  + Configuring with Azure VM extensions and CLI