

**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