# AZ-1010: Deploy and Manage Azure Arc-enabled Servers

Content

## Module 1: Onboard Servers to Azure Arc

- **Add a Server to Azure Arc by Using the Interactive Method**
  Learn to onboard a server to Azure Arc through a user-friendly, step-by-step interface.
- **Create a Service Principal**
  Understand the process of creating a service principal for authentication and access management.
- **Add a Server to Azure Arc by Using the At-Scale Method**
  Explore methods for adding multiple servers to Azure Arc simultaneously, optimizing efficiency.
- **Register Windows Admin Center with Azure**
  Learn how to link Windows Admin Center with Azure to manage your servers effectively.
- **Add a Server to Azure Arc by Using Windows Admin Center**
  Utilize Windows Admin Center to onboard servers into Azure Arc seamlessly.

## Module 2: Configure Monitoring of Azure Arc-Enabled Windows Server Instances by Using Azure Policy

- **Create a Log Analytics Workspace**
  Set up a Log Analytics workspace to monitor and analyze data from Azure Arc-enabled servers.
- **Create and Configure a Data Collection Rule**
  Develop rules for data collection that specify what data to gather and how to process it.
- **Create a Data Collection Endpoint**
  Establish an endpoint for directing collected data to the Log Analytics workspace.
- **Create an Azure Policy Assignment**
  Assign policies to ensure compliance and proper monitoring of Azure Arc-enabled servers.

## Module 3: Configure Updates of Azure Arc-Enabled Servers by Using Azure Update Manager

- **Enable Windows Update Service on the Azure Arc-Enabled Servers**
  Activate the Windows Update service to manage updates efficiently.
- **Configure Periodic Assessments for a Single Arc-Enabled Server**
  Set up assessments to regularly check the update status of individual servers.
- **Configure Periodic Checking for Missing System Updates on Multiple Servers by Using Azure Policy**
  Implement policies to automatically identify missing updates across multiple servers.

- **Configure Patch Orchestration for a Single Arc-Enabled Server**
  Learn how to orchestrate patching processes for efficient update management.
- **Install One-Time Updates**
  Execute immediate updates as necessary on Arc-enabled servers.
- **Configure a Maintenance Schedule**
  Establish a schedule for regular maintenance and updates.

## Module 4: Configure Microsoft Defender for Cloud for Azure Arc-Enabled Servers

- **Configure Microsoft Defender for Cloud Workload Protection for Servers**
  Enable Defender for Cloud's protections to secure Azure Arc-enabled servers.
- **Configure Defender for Cloud Workload Protection for SQL Server**
  Implement security measures specifically for SQL Server running on Azure Arc.
- **Apply Defender for Cloud–Based Recommendations**
  Utilize recommendations from Defender for Cloud to enhance server security.

## Module 5: Manage Azure Arc-Enabled Servers by Using Scripting

- **Implement VM Extensions in Azure Arc-Enabled Servers**
  Use VM extensions to enhance functionalities and management capabilities.
- **Perform Maintenance by Using the Arctangent CLI**
  Learn to use the arctangent command-line interface for server management tasks.
- **Perform Management Tasks by Using Run Command on Azure Arc-Enabled Servers**
  Execute various management commands remotely on Azure Arc-enabled servers.