

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

Course Outline

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.

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