

Section 3: Deploy and Manage Virtual Machines
Preparation Course for Exam AZ-100
Microsoft Azure Infrastructure and Deployment

[Deploy and Manage Virtual Machines \(20-25%\)](#)

Create and configure a VM for Windows and Linux

Configure high availability; configure monitoring, networking, storage, and virtual machine size; deploy and configure scale sets

- [Manage the availability of Windows virtual machines in Azure](#)
- [How to monitor virtual machines in Azure](#)
- [Frequently asked questions about Azure IaaS VM disks and managed and unmanaged premium disks](#)
- [Command PowerShell commands for Azure Virtual Networks](#)
- [Resize a Windows VM](#)
- [Virtual Machine Scale Sets Documentation](#)

Automate deployment of VMs

Modify Azure Resource Manager (ARM) template; configure location of new VMs; configure VHD template; deploy from template; save a deployment as an ARM template; deploy Windows and Linux VMs

- [Update a resource in an Azure Resource Manager template](#)
- [Create a Windows VM from a specialized disk by using PowerShell](#)
- [Create a Windows virtual machines from a Resource Manager template](#)
- [Download the template for a VM](#)
- [Create a Windows virtual machine in the Azure portal](#)
- [Create a Linux virtual machine in the Azure portal](#)

Manage Azure VM

Add data discs; add network interfaces; automate configuration management by using PowerShell Desired State Configuration (DSC) and VM Agent by using custom script extensions; manage VM sizes; move VMs from one resource group to another; redeploy VMs

- [Attach a data disk to a Windows VM with PowerShell](#)

- [Add network interfaces to or remove network interfaces from virtual machines](#)
- [Azure Automation State Configuration Overview](#)
- [Resize a Windows VM](#)
- [Move a Windows VM to another Azure subscription or resource group](#)
- [Redeploy Windows virtual machine to new Azure node](#)

Manage VM backups

Configure VM backup; define backup policies; implement backup policies; perform VM restore

- [Back up a virtual machine in Azure](#)
- [Select a backup goal, set policy, and define items to protect](#)
- [Recover files from Azure virtual machine backup](#)