

Creating a virtual machine

Aim: To Demonstrate Infrastructure as a Service (IaaS) by creating a Virtual Machine using a Public Cloud Service Provider (Azure), configure with required memory and CPU.

Output:

The image displays two screenshots from the Microsoft Azure portal. The top screenshot shows the 'Create a virtual machine' wizard. The 'Basics' tab is selected, showing options to 'Increase availability for my VM', 'Help me create a low cost VM', or 'Help me create a VM optimized for high availability'. The 'Project details' section shows 'Subscription *' as 'Azure subscription 1' and 'Resource group *' as '(New) Resource group'. The 'Instance details' section shows 'Virtual machine name *' as an empty field. The bottom screenshot shows the 'Overview' page of the completed deployment 'CreateVm-MicrosoftWindowsServer.WindowsServer-201-20250806133018'. It confirms 'Your deployment is complete' with a green checkmark. The deployment name is 'CreateVm-MicrosoftWindowsServer.WindowsSe...', subscription is 'Azure subscription 1', and resource group is 'Vm1'. The start time is '8/6/2025, 1:36:20 PM' and the correlation ID is '994a48a3-6aa4-4b8d-b48c-b15'. The 'Next steps' section includes 'Setup auto-shutdown', 'Monitor VM health, performance and network dependencies', and 'Run a script inside the virtual machine'. The right sidebar contains links for 'Cost Management', 'Microsoft Defender for Cloud', 'Free Microsoft tutorials', and 'Work with an expert'.

Microsoft Azure

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Create a virtual machine

Basics Disks Networking Management Monitoring Advanced Tags Review + create

Create a virtual machine that runs Linux or Windows. Select an image from Azure marketplace or use your own customized image. Complete the Basics tab then Review + create to provision a virtual machine with default parameters or review each tab for full customization. [Learn more](#)

This subscription may not be eligible to deploy VMs of certain sizes in certain regions.

Project details

Select the subscription to manage deployed resources and costs. Use resource groups like folders to organize and manage all your resources.

Subscription * Azure subscription 1

Resource group * (New) Resource group

Instance details

Virtual machine name *

< Previous Next : Disks > Review + create

Waiting for management.azure.com...

Microsoft Azure

Home >

CreateVm-MicrosoftWindowsServer.WindowsServer-201-20250806133018 | Overview

Deployment

Search

Overview Inputs Outputs Template

✓ Your deployment is complete

Deployment name: CreateVm-MicrosoftWindowsServer.WindowsSe... Start time: 8/6/2025, 1:36:20 PM

Subscription: Azure subscription 1 Correlation ID: 994a48a3-6aa4-4b8d-b48c-b15

Resource group: Vm1

Deployment details

Next steps

Setup auto-shutdown Recommended

Monitor VM health, performance and network dependencies Recommended

Run a script inside the virtual machine Recommended

Go to resource Create another VM

Give feedback

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Cost Management

Get notified to stay within your budget and prevent unexpected charges on your bill. [Set up cost alerts >](#)

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Result: Thus, the demonstration of Infrastructure as a Service (IaaS) by creating a Virtual Machine using a Public Cloud Service Provider (Azure), configured with minimum CPU, RAM, and Storage.