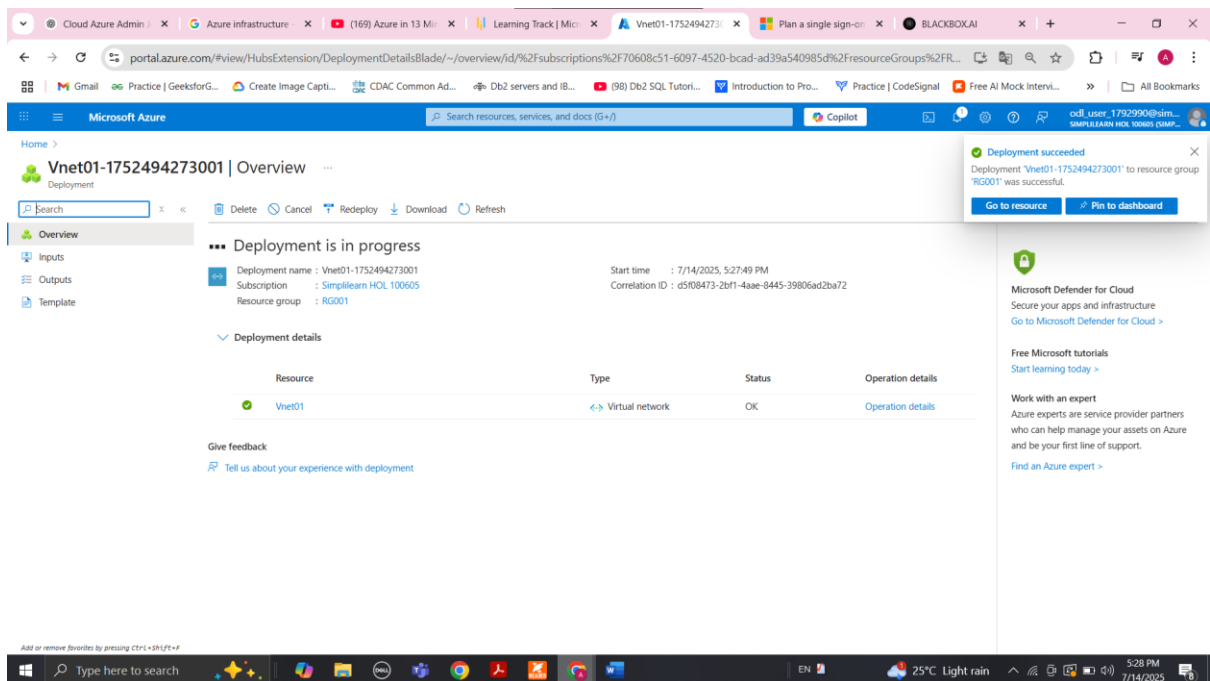
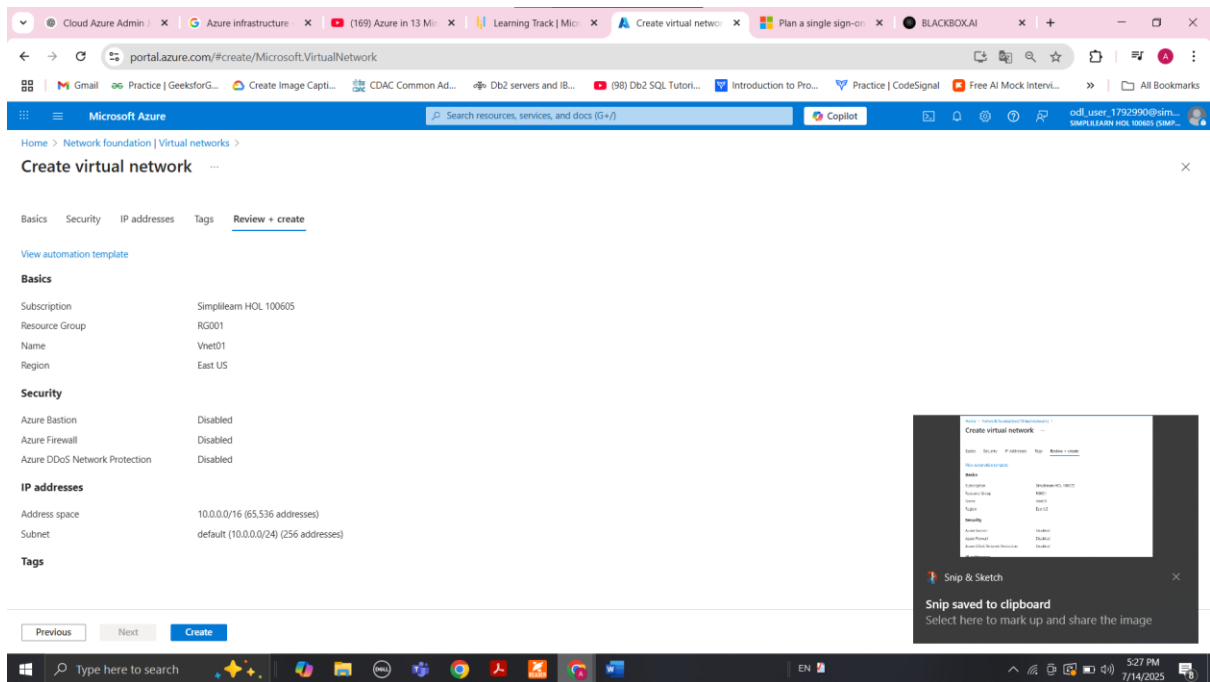


The major activities for this exercise are as follows:

1. Create virtual networks in the aforementioned region
2. Create test virtual machines in both the virtual networks
3. Establish the connectivity between both the networks via VNet peering
4. Ensure connectivity is established properly

1)First VNet

The screenshot displays the 'Create virtual network' wizard in the Microsoft Azure portal. The browser address bar shows the URL `portal.azure.com/#create/Microsoft.VirtualNetwork`. The page title is 'Create virtual network'. The 'Project details' section includes a dropdown for 'Subscription' set to 'SimpleLearn HOL 100605' and a dropdown for 'Resource group' set to '(New) RG001'. The 'Instance details' section includes a text box for 'Virtual network name' set to 'Vnet01' and a dropdown for 'Region' set to '(US) East US'. At the bottom, there are buttons for 'Previous', 'Next', and 'Review + create'. The Windows taskbar at the bottom shows the date and time as 5:25 PM on 7/14/2025.



2)vnet 2

Cloud Azure Admin x Azure infrastructure x (169) Azure in 13 Mi... x Learning Track | Mic... x Create virtual netwo... x Plan a single sign-on... x BLACKBOX.AI x + -

portal.azure.com/#create/Microsoft.VirtualNetwork

Gmail Practice | GeeksforG... Create Image Capti... CDAC Common Ad... Db2 servers and IB... (98) Db2 SQL Tutori... Introduction to Pro... Practice | CodeSignal Free AI Mock Interv... All Bookmarks

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Home > Network foundation | Virtual networks >

Create virtual network ...

Basics Security IP addresses Tags Review + create

Resources, steps to deploy, and a structured overview, that you'll experience all your virtual network, and leverage what is the benefits of Azure's infrastructure such as scale, availability, and isolation.

[Learn more.](#)

Project details

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

Subscription *

Resource group * [Create new](#)

Instance details

Virtual network name *

Region * [Deploy to an Azure Extended Zone](#)

Previous Next Review + create

[Give feedback](#)

Type here to search

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portal.azure.com/#create/Microsoft.VirtualNetwork

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Create virtual network

Home > Network foundation | Virtual networks >

Create virtual network

BasicsSecurityIP addressesTagsReview + create

[View automation template](#)

Basics

Subscription	Simplelearn HOL 100605
Resource Group	RG02
Name	Vnet2
Region	West US

Security

Azure Bastion	Disabled
Azure Firewall	Disabled
Azure DDoS Network Protection	Disabled

IP addresses

Address space	10.0.0.0/22 (1,024 addresses)
Subnet	default2 (10.0.1.0/24) (256 addresses)

Tags

PreviousNextCreate

Give feedback

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Create virtual network

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Create virtual network

BasicsSecurityIP addressesTagsReview + create

[View automation template](#)

Basics

Subscription	Simplelearn HOL 100605
Resource Group	RG002
Name	Vnet2
Region	West US

Security

Azure Bastion	Disabled
Azure Firewall	Disabled
Azure DDoS Network Protection	Disabled

IP addresses

Address space	10.0.0.0/16 (65,536 addresses)
Subnet	default (10.0.0.0/24) (256 addresses)

Tags

PreviousNextCreate

Give feedback

Subnet address rang... Azure infrastructure (170) She lost the di... Learning Track | Mic... Add peering - Micro... Plan a single sign-on... BLACKBOX.AI

portal.azure.com/#view/Microsoft_Azure_Network/AddEditPeering.ReactView/IsAdd~/true/virtualNetworkId/%2Fsubscriptions%2F70608c51-6097-4520-bcad-ad39a54098... Search resources, services, and docs (G+/I) Copilot odt_user_1792990@sim... SIMPLILEARN HOL 100605 (SAMP...

Add peering

Vnet01

Virtual network peering enables you to seamlessly connect two or more virtual networks in Azure. This will allow resources in either virtual network to directly connect and communicate with resources in the peered virtual network.

Remote virtual network summary

Peering link name * EASTTOWEST

Virtual network deployment model ☒ Resource manager ☐ Classic

I know my resource ID ☐

Subscription * Simplilearn HOL 100605

Virtual network * VNET202 (RG123)

Remote virtual network peering settings

Allow "VNET202" to access "Vnet01" ☒

Allow "VNET202" to receive forwarded traffic from "Vnet01" ☐

Allow gateway or route server in "VNET202" ☐

Add **Cancel**

[Give feedback](#)

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portal.azure.com/#view/HubsExtension/AssetMenuBlade/~/_virtualnetworks/assetName/NetworkFoundation/extensionName/Microsoft_Azure_Network Search resources, services, and docs (G+/I) Copilot odt_user_1792990@sim... SIMPLILEARN HOL 100605 (SAMP...

Network foundation | Virtual networks

Preview

Search Create Manage view Refresh Export to CSV Open query Assign tags

Filter for any field... Subscription equals all Resource group equals all Location equals all Add filter

Showing 1 to 2 of 2 records

Name	Resource group	Location
Vnet01	RG001	East US
Vnet2	RG002	West US

Switch between a list view of your resources and a summary chart view of resource counts. **CLOSE**

Virtual network overview

- Virtual networks
- NAT gateways
- Public IP addresses
- Network interfaces
- Network security groups
- Application security groups
- Bastions
- Route tables
- Route servers
- Private Link
- DNS
- Monitoring and management

< Previous Page 1 of 1 Next >

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Step-by-Step: Venet Peering

Vnet01
Virtual network

Search tags

Diagnose and solve problems
Resource visualizer
Settings

- Address space
- Connected devices
- Subnets
- Bastion
- DDoS protection
- Firewall
- Microsoft Defender for Cloud
- Network manager
- DNS servers
- Peerings

Essentials

Resource group (move) : RG001
Location (move) : East US
Subscription (move) : SimpleLearn-HOL-100605
Subscription ID : 70608c51-6097-4520-bcad-ad39a540985d

Address space : 10.0.0.0/16
DNS servers : Azure provided DNS service
BGP community string : Configure
Virtual network ID : d42ec307-32c1-4796-a2c3-a0632294d9b

Tags (edit) : Add tags

Topology Properties Capabilities (5) Recommendations Tutorials

DDoS protection
Configure additional protection from distributed denial of service attacks.
● Not configured

Azure Firewall
Protect your network with a stateful L3-L7 firewall.
● Not configured

Peerings
Seamlessly connect two or more virtual networks.
● Not configured

Microsoft Defender for Cloud
Strengthen the security posture of your environment.

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portal.azure.com/#@simplelearnhol100605.onmicrosoft.com/resource/subscriptions/70608c51-6097-4520-bcad-ad39a540985d/resourceGroups/RG001/providers/Microso

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Home > Network foundation | Virtual networks > Vnet01

Vnet01 | Peerings

Search

Overview
Activity log
Access control (IAM)
Tags
Diagnose and solve problems
Resource visualizer
Settings

- Address space
- Connected devices
- Subnets
- Bastion
- DDoS protection
- Firewall
- Microsoft Defender for Cloud
- Network manager
- DNS servers
- Peerings
- Service endpoints

Virtual network peering enables you to seamlessly connect two or more virtual networks in Azure. The virtual networks appear as one for connectivity purposes. [Learn more](#)

Filter by name

Showing all 1 items

Name	Peering sync status	Peering state	Remote virtual network	Virtual network	Cross-tenant
peeringeastwest	Fully Synchronized	Connected	VNET202	Disabled	No

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Reverse peering westtoeast and easttwest

Subnet address rang Azure infrastructure (170) YouTube Learning Track | Mic VNET11111 - Micro Plan a single sign-on BLACKBOXAI

portal.azure.com/#@simpilllearnhol100605.onmicrosoft.com/resource/subscriptions/70608c51-6097-4520-bcad-ad39a540985d/resourceGroups/RG111/providers/Microsoft.Network/virtualNetworks/VNET11111/peerings

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Home > Network foundation | Virtual networks > VNET11111

VNET11111 | Peerings

Virtual network

Search Add Refresh Export to CSV Delete Sync

Overview Activity log Access control (IAM) Tags Diagnose and solve problems Resource visualizer Settings Address space Connected devices Subnets Bastion DDoS protection Firewall Microsoft Defender for Cloud Network manager DNS servers Peerings Service endpoints

Virtual network peering enables you to seamlessly connect two or more virtual networks in Azure. The virtual networks appear as one for connectivity purposes. [Learn more](#)

Filter by name...

Showing all 2 items

Name	Peering sync status	Peering state	Remote virtual network	Virtual network	Cross-tenant
westtoeast	Fully Synchronized	Connected	VNET202	Disabled	No
peeringwesttoeast	Fully Synchronized	Connected	Vnet01	Disabled	No

Give feedback

https://portal.azure.com/#@simpilllearnhol100605.onmicrosoft.com/resource/subscriptions/70608c51-6097-4520-bcad-ad39a540985d/resourceGroups/RG111/providers/Microsoft.Network/virtualNetworks/VNET11111/peerings

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portal.azure.com/#create/Microsoft.VirtualMachine-ARM

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Home > Compute infrastructure | Virtual machines >

Create a virtual machine

Validation passed

Help me create a low cost VM Help me create a VM optimized for high availability Help me choose the right VM size for my workload

Basics

Subscription	Simplilearn HOL 100605
Resource group	RG001
Virtual machine name	VM1
Region	East US
Availability options	Availability zone
Zone options	Self-selected zone
Availability zone	1
Security type	Trusted launch virtual machines
Enable secure boot	Yes
Enable vTPM	Yes
Integrity monitoring	No
Image	Windows Server 2025 Datacenter: Azure Edition - Gen2
VM architecture	x64
Size	Standard D2s v3 (2 vcpus, 8 GiB memory)
Enable Hibernation	No
Username	admin123
Public inbound ports	SSH, HTTP, RDP

Previous Next Create

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portal.azure.com/#view/HubsExtension/DeploymentDetailsBlade/~/overview/id/%2Fsubscriptions%2F70608c51-6097-4520-bcad-ad39a540985d%2FresourceGroups...

Microsoft Azure Search resources, services, and docs (G+)

Home > CreateVm-MicrosoftWindowsServer.WindowsServer-202-20250714212150 | Overview

Deployment

Search < Delete Cancel Redeploy Download Refresh

Overview

Inputs

Outputs

Template

*** Deployment is in progress

Deployment name: CreateVm-MicrosoftWindowsServer.WindowsSe... Start time: 7/14/2025, 9:25:48 PM
Subscription: [Simplilearn HOL 100603](#) Correlation ID: ca2ef6af-fdb8-4f2a-908d-412c308066cf
Resource group: RG001

Deployment details

Resource	Type	Status	Operation details
Microsoft.Antimalware-Windows1	Microsoft.Resources/deployments	Created	Operation details
VM1	Microsoft.Compute/virtualMachines	OK	Operation details
vm116_z1	Microsoft.Network/networkInterfaces	OK	Operation details
VM1-nsg	Microsoft.Network/networkSecurityGroups	OK	Operation details
VM1-ip	Microsoft.Network/publicIPAddresses	OK	Operation details

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portal.azure.com/#view/HubsExtension/DeploymentDetailsBlade/~/overview/id/%2Fsubscriptions%2F70608c51-6097-4520-bcad-ad39a540985d%2FresourceGroups...

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Home > CreateVm-MicrosoftWindowsServer.WindowsServer-202-20250714212150 | Overview

Deployment

Search < Delete Cancel Redeploy Download Refresh

Overview

Inputs

Outputs

Template

✓ Your deployment is complete

Deployment name: CreateVm-MicrosoftWindowsServer.WindowsSe... Start time: 7/14/2025, 9:25:48 PM
Subscription: [Simplilearn HOL 100603](#) Correlation ID: ca2ef6af-fdb8-4f2a-908d-412c308066cf
Resource group: RG001

Deployment details

Next steps

Setup auto-shutdown Recommended

Monitor VM health, performance and network dependencies Recommended

Run a script inside the virtual machine Recommended

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portal.azure.com/#view/Microsoft_Azure_CreateUIDef/GalleryViewBlade/galleryViewInputs~/7B7selectedSubMenuItemId%3A7B7menuItemId%3A7B7linkableResources...

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Install an Extension

Microsoft Antimalware

Microsoft Corp.

Microsoft Antimalware for Azure Virtual Machines

Microsoft Antimalware
Publisher: Microsoft Corp.

Overview

Microsoft Antimalware for Azure Virtual Machines is a real-time protection capability that helps identify and remove viruses, spyware, and other malicious software, with configurable alerts when known malicious or unwanted software attempts to install itself or run on your system. The solution can be enabled and configured from the Azure Portal, Service Management REST API, and Microsoft Azure PowerShell SDK cmdlets.

To **enable** antimalware with the **default configuration**, click **Create** on the Add Extension blade without inputting any configuration setting values.

To **enable** antimalware with a **custom configuration**, input the supported values for the configuration settings provided on the **Add Extension** blade and click **Create**. Please refer to the **tooltips** provided with each configuration setting on the Add Extension blade to see the supported configuration values.

To **enable antimalware event collection** for a virtual machine, click any part of the **Monitoring** lens in the virtual machine blade, click **Diagnostics** command on Metric blade, select **Status ON** and check **Windows Event system logs**. The antimalware events are collected from the Windows Event system logs to your storage account. You can configure the storage account for your virtual machine to collect the antimalware events by selecting the appropriate storage account.

Legal Terms

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portal.azure.com/#view/Microsoft_Azure_CreateUIDef/_dv_GalleryViewCreate_microsoft_dot_antimalware_hyp_windows_dx/systemOptions~/7B7inSandbox%3Afalse...

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Configure Microsoft Antimalware Extension

Create

Excluded files and locations

Excluded file extensions

Excluded processes

Real-time protection

☒ Enable

☐ Disable

Run a scheduled scan

☐ Enable

☒ Disable

Scan type

☒ Quick

☐ Full

Scan day

Saturday

Scan time

120

Create Cancel

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portal.azure.com/#create/Microsoft.VirtualMachine-ARM

Microsoft Azure

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Create a virtual machine

Help me create a low cost VMHelp me create a VM optimized for high availabilityHelp me choose the right VM size for my workload

BasicsDisksNetworkingManagementMonitoringAdvancedTagsReview + create

Add additional configuration, agents, scripts or applications via virtual machine extensions or cloud-init.

Extensions

Extensions provide post-deployment configuration and automation.

Extensions

Microsoft Antimalware
Microsoft Corp.
Select an extension to install

VM applications

VM applications contain application files that are securely and reliably downloaded on your VM after deployment. In addition to the application files, an install and uninstall script are included in the application. You can easily add or remove applications on your VM after create. [Learn more](#)

Select a VM application to install

Custom data

Pass a script, configuration file, or other data into the virtual machine **while it is being provisioned**. The data will be saved on the VM in a known location. [Learn more about custom data for VMs](#)

Custom data

< PreviousNext: Tags >Review + create

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Microsoft Azure

Home > Compute infrastructure > Virtual machines >

Create a virtual machine

Validation passed

Help me create a low cost VMHelp me create a VM optimized for high availabilityHelp me choose the right VM size for my workload

Basics

Subscription	Simplilearn HOL 100605
Resource group	RG111
Virtual machine name	VM2
Region	West US
Availability options	No infrastructure redundancy required
Zone options	Self-selected zone
Security type	Trusted launch virtual machines
Enable secure boot	Yes
Enable vTPM	Yes
Integrity monitoring	No
Image	Windows Server 2025 Datacenter: Azure Edition - Gen2
VM architecture	x64
Size	Standard D2s v3 (2 vcpus, 8 GiB memory)
Enable Hibernation	No
Username	admin11
Public inbound ports	RDP, HTTP, HTTPS
Already have a Windows license?	No

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