

Step 1: Set up virtual network -1 and add a virtual machine in West-Us 2

Az104 PG Lab 05h : 18m : 46s

Selvi-VM1-VNet1 - Microsoft Azure | Create a virtual machine - Microsoft Azure

https://portal.azure.com/#@simpliclearnhol17.onmicrosoft.com/resource/subscriptions/7132032a-f179-42d9-8a37-3738035ff911/resourcegroups/Selvi-RG/providers/Microsoft.Compute/virtualMa...

Microsoft Azure Search resources, services, and docs (G+/J) Copilot odl_user_1838911@sim... SIMPLILEARN HOL 17

Home > CreateVm-MicrosoftWindowsServer.WindowsServer-201-20250828203803 | Overview

Selvi-VM1-VNet1 Virtual machine

Help me copy this VM in any region Manage this VM with Azure CLI

Search

Connect Start Restart Stop Hibernate Capture Delete Refresh Open in mobile Feedback CLI / PS

Overview

- Activity log
- Access control (IAM)
- Tags
- Diagnose and solve problems
- Resource visualizer
- Connect
- Networking
- Settings
- Availability + scale

Essentials

Resource group (move)	: Selvi-RG	Operating system	: Windows (Windows Server 2019 Datacenter)
Status	: Running	Size	: Standard_DS2_v2 (2 vcpus, 7 GiB memory)
Location	: West US 2	Public IP address	: 20.9.189.28
Subscription (move)	: Simplilearn HOL 17	Virtual network/subnet	: Selvi-VNet1/Core
Subscription ID	: 7132032a-f179-42d9-8a37-3738035ff911	DNS name	: Not configured
Tags (edit)	: Add tags	Health state	: -
		Time created	: 8/28/2025, 9:01 PM UTC

JSON View

Step 2: Set up virtual network -2 and add a virtual machine in West-Us 2

Home >

CreateVm-MicrosoftWindowsServer.WindowsServer-201-20250828210845 | Overview Deployment

Search

Delete Cancel Redeploy Download Refresh

Overview

- Inputs
- Outputs
- Template

✓ Your deployment is complete

Deployment name: CreateVm-MicrosoftWindowsServer.WindowsS... Start time: 8/28/2025, 9:14:32 PM
Subscription: [Simplilearn HOL 17](#) Correlation ID: 7d4a72de-0128-4e91-81ab-58d021e6a1c5

Resource group: [Selvi-RG](#)

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](#)

Az104 PG Lab 05h : 04m : 14s

Selvi-VNet1 - Microsoft Azure x Selvi-VM2-VNet2 - Microsoft Azure x +

https://portal.azure.com/#@simplilearnhol17.onmicrosoft.com/resource/subscriptions/7132032a-f179-42d9-8a37-3738035ff911/resourcegroups/Selvi-RG/providers/Microsoft.Compute/virtualMa...

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

Home > CreateVm-MicrosoftWindowsServer.WindowsServer-201-20250828210845 | Overview >

Selvi-VM2-VNet2 Virtual machine

Help me copy this VM in any region Manage this VM with Azure CLI

Search

Connect Start Restart Stop Hibernate Capture Delete Refresh Open in mobile Feedback CLI / PS

Overview

Activity log

Access control (IAM)

Tags

Diagnose and solve problems

Resource visualizer

Connect

Networking

Settings

Availability + scale

Essentials

Resource group (move) : [Selvi-RG](#)

Status : Running

Location : West US 2

Subscription (move) : [Simplilearn HOL 17](#)

Subscription ID : 7132032a-f179-42d9-8a37-3738035ff911

Tags (edit) : [Add tags](#)

Operating system : Windows (Windows Server 2019 Datacenter)

Size : Standard D52 v2 (2 vcpus, 7 GiB memory)

Public IP address : [4.246.122.159](#)

Virtual network/subnet : [Selvi-VNet2/default](#)

DNS name : [Not configured](#)

Health state : -

Time created : 8/28/2025, 9:14 PM UTC

JSON View

Az104 PG Lab 04h : 56m : 21s

Selvi-VNet1 - Microsoft Azure x Selvi-VM2-VNet2 - Microsoft Azure x NetworkWatcher_Selvi-VM1-VNet1 - Microsoft Azure x +

https://portal.azure.com/#view/HubsExtension/DeploymentDetailsOverviewV2Blade/id/%2Fsubscriptions%2F7132032a-f179-42d9-8a37-3738035ff911%2Fresourcegroups%2FSelvi-RG%2Fprovid...

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

Home >

NetworkWatcher_Selvi-VM1-VNet1-20250828212805-84 Deployment

Delete Cancel Redeploy Download Refresh

Your deployment is complete

Deployment name: NetworkWatcher_Selvi-VM1-VNet1-202... Start time: 8/28/2025, 9:28:06 PM

Subscription: [Simplilearn HOL 17](#) Correlation ID: 0a6743dd-2cbd-439d-8856-369f9ae

Resource group: [Selvi-RG](#)

Deployment details

Resource	Type	Status	Operation de
Selvi-VM1-VNet1/AzureNetworkW	Microsoft.Compute/virtualMachines/...	OK	Operation de

Next steps

Notifications

More events in the activity log → Dismiss all

Deployment succeeded

Deployment 'NetworkWatcher_Selvi-VM1-VNet1-20250828212805-84' to resource group 'Selvi-RG' for successful.

a few seconds ago

Cost Management

Get notified to stay within your budget and prevent unexpected charges on your bill.

[Set up cost alerts >](#)

Microsoft Defender for Cloud

Get recommendations and information

Step 3: Configure VNet peering between the 2 virtual networks

The screenshot shows the Microsoft Azure portal interface for configuring VNet peering. The breadcrumb navigation indicates the path: Home > Selvi-VNet1. The page title is "Selvi-VNet1 | Peerings". Below the title, there's a search bar and a list of actions: Add, Refresh, Export to CSV, Delete, and Sync. The left sidebar contains a navigation menu with options like Overview, Activity log, Access control (IAM), Tags, Diagnose and solve problems, Resource visualizer, and Settings. The main content area shows a table of virtual network peerings. The table has columns for Name, Peering sync status, Peering state, Remote network, Virtual network, and Cross-tenant. One peering is listed: "VM-VNet2-To-VM-VNet1" with a status of "Fully Synchronized" and a state of "Connected".

Name	Peering sync status	Peering state	Rem...	Virtu...	Cross-tenant
VM-VNet2-To-VM-VNet1	Fully Synchronized	Connected	Selvi-VN...	Disabled	No

Step 4: Test the connectivity between VMs

The screenshot shows the Microsoft Azure portal interface for running a command script. The breadcrumb navigation indicates the path: Az104 PG Lab. The page title is "Run Command Script". Below the title, there's a search bar and a list of actions: Run, Cancel, and Refresh. The left sidebar contains a navigation menu with options like Access control (IAM), Tags, Diagnose and solve problems, Resource visualizer, Connect, Networking, Settings, Availability + scale, Security, Backup + disaster recovery, Operations, Auto-shutdown, Run command, and Updates. The main content area shows a list of commands to run. The "Run command" option is selected, and the "Run PowerShellScript" command is highlighted. The right sidebar shows the "Run Command Script" dialog box with a "Script execution in progress..." message and a "Run" button.

Run Command Script

Script execution in progress...

PowerShell Script

```
1 Test-NetConnection 10.0.1.4 -port 3389
```

Run

Selvi-VM1-VNet1 - Microsoft Azure x Run Command Script - Micro x Home - Microsoft Azure x Selvi-VM1-VNet1/AzureNetw x Selvi-VNet1 - Microsoft Azure x Selvi-VNet1 - Microsoft Azure x +

https://portal.azure.com/#@simplilearnhol17.onmicrosoft.com/resource/subscriptions/7132032a-f179-42d9-8a37-3738035ff911/resourceGroups/Selvi-RG/providers/Microsoft.Compute/virtualM...

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

Capilot

odl_user_1838911@sim... SIMPLILEARN HOL 17 (SIMPLILEA...

Home > Selvi-VM2-VNet2

Selvi-VM2-VNet2 | Run command

Virtual machine

Search

Overview

Activity log

Access control (IAM)

Tags

Diagnose and solve problems

Resource visualizer

> Connect

> Networking

> Settings

> Availability + scale

Now it's possible to execute multiple scripts at the same time, manage the updated Run Command feature, now available through Azure CLI

Run Command uses the VM agent to let you run a script inside this virtual application maintenance. Select a command below to see details.

Name

RunPowerShellScript

DisableNLA

DisableWindowsUpdate

EnableAdminAccount

EnableEMS

Run

Output

```
ComputerName : 10.0.1.4
RemoteAddress : 10.0.1.4
RemotePort : 3389
InterfaceAlias : Ethernet 2
SourceAddress : 10.1.0.4
TcpTestSucceeded : True
```

Step 5 : Create Custom RBAC Role and add permissions to access VM, Network, Storage

Az104 PG Lab 03h : 43m : 42s

VMOperator - Microsoft Azure x Selvi-VM2-VNet2 - Microsoft Azure x Subscriptions - Microsoft Azure x Selvi-VM1-VNet1/AzureNetw x Selvi-VNet1 - Microsoft Azure x Selvi-VNet1 - Microsoft Azure x +

https://portal.azure.com/#@simplilearnhol17.onmicrosoft.com/resource/subscriptions/7132032a-f179-42d9-8a37-3738035ff911/resourceGroups/Selvi-RG/users

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

Capilot

odl_user_1838911@sim... SIMPLILEARN HOL 17 (SIMPLILEA...

Home > Resource groups > Selvi-RG

Selvi-RG | Access control (IAM)

Resource group

Search

+ Add v Download

Overview

Activity log

Access control (IAM)

Tags

Resource visualizer

Events

> Settings

> Cost Management

> Monitoring

> Automation

Action required: 1 unassigned

Check access Role assignments

A role definition is a collection of permissions that you can assign to a principal.

All Job function roles

vmope

Name

VMOperator

CustomRole

Permissions JSON Assignments

Description: VM Operator for both virtual networks

Search permissions

Type: All

Permission Type

☒ Actions ☐ DataActions

Showing 12 of 12 permissions

Type	Permissions	Description
Microsoft.Compute		
Read	Get Virtual Machine	Get the properties of a virtual machine
Other	Start Virtual Machine	Starts the virtual machine

Showing 12 of 12 permissions

Type	Permissions	Description
▼ Microsoft.Compute		
Read	Get Virtual Machine ⓘ	Get the properties of a virtual machine
Other	Start Virtual Machine ⓘ	Starts the virtual machine
Other	Restart Virtual Machine ⓘ	Restarts the virtual machine
Other	Deallocate Virtual Machine ⓘ	Powers off the virtual machine and releases the compute resources
▼ Microsoft.Network		
Read	Get Network Interface ⓘ	Gets a network interface definition.
Read	Get Network Security Group ⓘ	Gets a network security group definition
Read	Get Public Ip Address ⓘ	Gets a public ip address definition.
Read	Get Virtual Network ⓘ	Get the virtual network definition
▼ Microsoft.Storage		
▼ Microsoft.Storage		
Read	Get blob container ⓘ	Returns a container
Read	List of blob containers ⓘ	Returns list of containers
Read	List File Services ⓘ	List file services
Read	Get file service properties ⓘ	Get file service properties

Step 6: User Creation: (User name - Test User)

TestUser - Microsoft Azure

Selvi-VM2-VNet2 - Microsoft

Simplilearn HOL 17 - Microsoft

Selvi-VM1-VNet1/AzureNetw

Selvi-VNet1 - Microsoft Azure

Selvi-VNet1 - Microsoft Azure

https://portal.azure.com/#view/Microsoft_AAD_UsersAndTenants/UserProfileMenuBlade/~/overview/userId/6c775010-59b0-4e1a-96b2-733376f08ef6/~/true

Microsoft Azure

Search resources, services, and docs (G+)

Copilot

odl_user_1838911

Home > Simplilearn HOL 17 | Users > Users >

TestUser

User

Search

Edit properties

Delete

Refresh

Reset password

Revoke sessions

Manage view

Got feedback?

Overview

Audit logs

Sign-in logs

Diagnose and solve problems

Custom security attributes

Assigned roles

Administrative units

Groups

Applications

Licenses

T

TestUser

TestUser@simplilearnhol17.onmicrosoft.com

Member

User principal name

TestUser@simplilearnhol17.onmicrosoft.com

Object ID

6c775010-59b0-4e1a-96b2-733376f08ef6

Created date time

Aug 28, 2025, 11:20 PM

User type

Member

Identities

simplilearnhol17.onmicrosoft.com

Group memberships

0

Applications

0

Assigned roles

0

Assigned licenses

0

Role Assignment: [Role assignment name - VM Operator]

Selvi-RG - Microsoft Azure x Selvi-VM2-VNet2 - Microsoft x Simplilearn HOL 17 - Microsof x Selvi-VM1-VNet1/AzureNetw x Selvi-VNet1 - Microsoft Azure x Selvi-VNet1 - Microsoft Azure x +

https://portal.azure.com/#@simplilearnhol17.onmicrosoft.com/resource/subscriptions/7132032a-f179-42d9-8a37-3738035ff911/resourceGroups/Selvi-RG/users

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Home > Selvi-RG

Selvi-RG | Access control (IAM)

Resource group

Search Add Download role assignments Edit columns Refresh Delete Feedback

Overview Activity log Access control (IAM) Tags Resource visualizer Events Settings Cost Management Monitoring Automation

Added Role assignment
TestUser now has Eligible Timebound assignment for VMOperator role on Selvi-RG.

Action required: 1 user has elevated access in your tenant. You should take immediate action and remove all role assignments with elevated access. [View role assignments](#)

Check access Role assignments Roles Deny assignments Classic administrators

Looking for the previous check access view? [Click here.](#)

Check access
Review the level of access a user, group, service principal, or managed identity has to this resource. [Learn more](#)

Check access

ODL User 1838911 Assignments

Az104 PG Lab 03h : 09m : 14s

My Sign-Ins | Register | Micro x Selvi-VM2-VNet2 - Microsoft x Selvi-RG - Microsoft Azure x Directory roles - Microsoft Azure x Selvi-VNet1 - Microsoft Azure x Selvi-VNet1 - Microsoft Azure x +

https://portal.azure.com/#@simplilearnhol17.onmicrosoft.com/resource/subscriptions/7132032a-f179-42d9-8a37-3738035ff911/resourceGroups/Selvi-RG/users

Microsoft Azure Search resources, services, and docs (G+/) Copilot odl_user_1838911@sim... SIMPLILEARN HOL 17 (SIMPLILEARN...)

Access control (IAM) Tags Resource visualizer Events Settings Cost Management Monitoring Automation Help

Check access **Role assignments** Roles Deny assignments Classic administrators

Number of role assignments for this subscription 34 Privileged 29
View assignments

vmoperator x Type: All Role: All Scope: All scopes State: All End time: All Group by: Role

All (1) Job function roles (1) Privileged administrator roles (0)

<input type="checkbox"/>	Name ↑↓	Type ↑↓	Role ↑↓	Scope ↑↓	State ↑↓	End time ↑↓	Condition ↑↓
✓	VMOperator (1)						
<input type="checkbox"/>	TestUser 6c775010-59b0-4e... User		VMOperator	This resource	Eligible time-bound	8/28/2026, 11:25:50 PM	None

Showing 1 - 1 of 1 results.

Step 7 - Logged in as TestUser and validate the TestUser has access to the Virtual Machines in the 2 virtual Networks

Az104 PG Lab

This Lab will get reset on 24th August 2025, 4:02 PM

Az104 PG Lab

02h : 13m : 45s

Compute infrastructure - Microsoft

Add role assignment - Microsoft

Add role assignment - Microsoft

TestUser - Microsoft Azure

ODL_User 1838911 - Microsoft Eni

https://portal.azure.com/#view/Microsoft_Azure_ComputeHub/ComputeHubMenuBlade/~ /VirtualMachinesBrowse

Microsoft Azure

Search resources, services, and docs (G+)

Copilot

TestUser@simplearnhol...
SIMPLELEARN HOL 17 (SIMPLELEA...

Home > Compute infrastructure

Compute infrastructure | Virtual machines

View virtual machines with critical alerts

Get workload templates for VMs

Check which VMs cannot access the internet

Search

Virtual machines

Get started

+ Create

Switch to classic

Reservations

Manage view

Refresh

Export to CSV

Open query

Assign tags

Start

Group by none

You are viewing a new version of Browse experience. Click here to access the old experience.

Filter for any field...

Subscription equals all

Type equals all

Resource Group equals all

Location equals all

Add filter

	Name	Subscription	Resource Group	Location	Status	Operating sys...	Size	Public IP addr...	Disks	Up
<input type="checkbox"/>	Selvi-VM1-VNet1									
<input type="checkbox"/>	Selvi-VM1-VNet1	Simplilearn HO...	Selvi-RG	West US 2	Running	Windows	Standard_DS2_v2	20.9.189.28	1	En
<input type="checkbox"/>	Selvi-VM2-VNet2	Simplilearn HO...	Selvi-RG	West US 2	Running	Windows	Standard_DS2_v2	4.246.122.159	1	En

Overview

All resources

Infrastructure

Virtual machines

Virtual Machine Scale Set (VMSS)

Compute Fleet

Disks + images

Capacity + placement

Related services

The TestUser is able to start/stop the virtual machine

Az104 PG Lab

02h : 10m : 40s

Selvi-VM1-VNet1 - Microsoft Azu

Add role assignment - Microsoft

Add role assignment - Microsoft

TestUser - Microsoft Azure

ODL_User 1838911 - Microsoft Eni

https://portal.azure.com/#@simplearnhol17.onmicrosoft.com/resource/subscriptions/7132032a-f179-42d9-8a37-3738035ff911/resourceGroups/Selvi-RG/providers/Microsoft.Compute/virtualM...

Microsoft Azure

Search resources, services, and docs (G+)

Copilot

TestUser@simplearnhol...
SIMPLELEARN HOL 17 (SIMPLELEA...

Home > Compute infrastructure | Virtual machines >

Selvi-VM1-VNet1

Virtual machine

Help me copy this VM in any region

Manage this VM with Azure CLI

Search

Connect

Start

Restart

Stop

Hibernate

Capture

Delete

Refresh

Overview

Activity log

Access control (IAM)

Tags

Diagnose and solve problems

Resource visualizer

Connect

Networking

Settings

Essentials

Resource group (move)

Selvi-RG

Status

Stopped (deallocated)

Location

West US 2

Subscription (move)

Simplilearn HOL 17

Subscription ID

7132032a-f179-42d9-8a37-3738035ff911

Operating system

Windows

Size

Standard DS2 v2 (2 vcpus, 7 GiB memory)

Public IP address

20.9.189.28

Virtual network/subnet

Selvi-VNet1/Core

DNS name

Not configured

Health state

-

Notifications

More events in the activity log →

Dismiss all

Successfully stopped virtual machine

Successfully stopped the virtual machine 'Selvi-VM1-VNet1'.

a few seconds ago

https://portal.azure.com/#blade/Microsoft_Azure_ActivityLog/ActivityLogBlade/queryInputs/%7B%22user%3A%40me%3D%7D%22%7D