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Section – A

LAB: 02

Task 1: Create a virtual network

Microsoft Azure

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Create virtual network

Basics

Security

IP addresses

Tags

Review + create

your resources.

Subscription *

Azure for Students

Resource group *

myVm_group

[Create new](#)

Instance details

Virtual network name *

vnet1

Region * ⓘ

(Asia Pacific) Central India


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 **vnet1-1761233620795** | Overview

Deployment

Search

Delete Cancel Redeploy Download Refresh

Overview

Inputs

Outputs

Template

✓ Your deployment is complete

Deployment name : vnet1-1761233620795

Subscription : Azure for Students

Resource group : myVm_group

Start time : 10/23/2025, 8:33:52 PM

Correlation ID : ecf56835-7111-4429-880e-51a7b9301...

> Deployment details

✓ Next steps

Go to resource

Give feedback

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Task 2: Create two virtual machines

Create a virtual machine

...

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

✓ 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	Azure for Students
Resource group	myVm_group
Virtual machine name	vm1
Region	Central India
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 2019 Datacenter - Gen2
VM architecture	x64

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Create

Create a virtual machine

...

Help me create a low cost VM

Help me create a VM optimized for high availability

✓ Validation passed

Help me create a low cost VM

Help me create a VM optimized for high availability

Basics

Subscription	Azure for Students
Resource group	myVm_group
Virtual machine name	vm2
Region	Central India
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 2019 Datacenter - Gen2
VM architecture	x64

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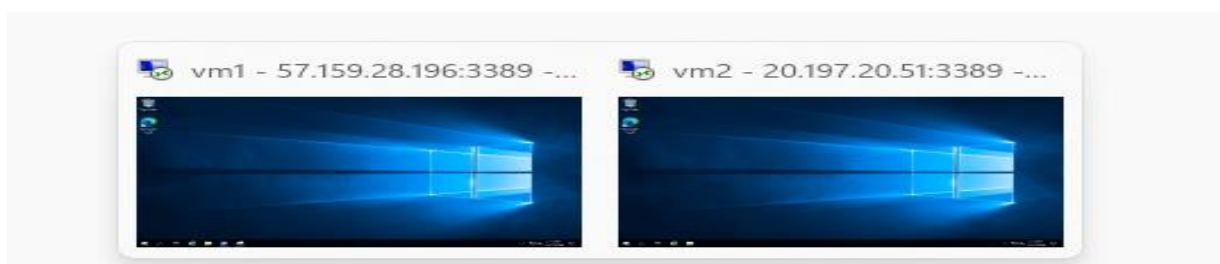
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Create

Task 3: Test the connection

The screenshot shows the Microsoft Azure portal interface. The top navigation bar includes the Microsoft Azure logo, a search bar, and the Copilot icon. The breadcrumb trail indicates the path: All services > Compute infrastructure | Virtual machines > vm1. The main heading is 'vm1 | Connect', with 'Virtual machine' as a subtitle. A search bar is located below the heading. The left sidebar contains a list of navigation options: Overview, Activity log, Access control (IAM), Tags, Diagnose and solve problems, Resource visualizer, Connect (selected), Bastion, Windows Admin Center, Networking, Settings, Availability + scale, and Security. The main content area displays the 'Native RDP' connection settings for 'vm1'. It includes a 'Source machine' section with 'Source machine OS' set to 'Windows' and 'Source IP address' set to 'Local IP | 43.246.221.82'. The 'Destination VM' section shows 'VM IP address' as 'Public IP | 57.159.28.196' and 'VM port' as '3389'. Under 'Connection prerequisites', a green checkmark indicates 'Port 3389 is accessible from source IP(s)'. The 'Connect using RDP file' section has a 'Download RDP file' button and a 'Username' field containing 'azureuser'.

The screenshot shows the Microsoft Azure portal interface for virtual machine 'vm2'. The breadcrumb trail is: All services > Compute infrastructure | Virtual machines > vm2. The main heading is 'vm2 | Connect', with 'Virtual machine' as a subtitle. The left sidebar is identical to the previous screenshot, with 'Connect' selected. The main content area displays the 'Native RDP' connection settings for 'vm2'. The 'Source machine' section is the same as in the first screenshot. The 'Destination VM' section shows 'VM IP address' as 'Public IP | 20.197.20.51' and 'VM port' as '3389'. The 'Connection prerequisites' section shows a green checkmark indicating 'Port 3389 is accessible from source IP(s)'. The 'Connect using RDP file' section has a 'Download RDP file' button and a 'Username' field containing 'azureuser'.



```
PS C:\Users\azureuser> ping vm2
```

```
Pinging vm2.subjpcsdme3epia3oprcyl3oec.rx.internal.cloudapp.net [10.0.0.5] with 32 bytes of data:
```

```
Reply from 10.0.0.5: bytes=32 time=1ms TTL=128
```

```
Reply from 10.0.0.5: bytes=32 time<1ms TTL=128
```

```
Reply from 10.0.0.5: bytes=32 time<1ms TTL=128
```

```
Reply from 10.0.0.5: bytes=32 time=1ms TTL=128
```

```
Ping statistics for 10.0.0.5:
```

```
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
```

```
Approximate round trip times in milli-seconds:
```

```
    Minimum = 0ms, Maximum = 1ms, Average = 0ms
```

```
PS C:\Users\azureuser>
```