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Section – A

LAB: 02

Task 1: Create a virtual network

The screenshot shows the 'Create virtual network' wizard in the Microsoft Azure portal. The 'Basics' tab is selected. In the 'Subscription' dropdown, 'Azure for Students' is chosen. Under 'Resource group', 'myVm_group' is selected, with a 'Create new' link available. The 'Instance details' section shows 'Virtual network name' set to 'vnet1' and 'Region' set to '(Asia Pacific) Central India'. Below these fields is a 'Deploy to an Azure Extended Zone' link. At the bottom of the wizard, there are 'Previous', 'Next', and 'Review + create' buttons.

The screenshot shows the 'vnet1-1761233620795 | Overview' page. The deployment status is shown as 'Your deployment is complete'. Deployment details include: Deployment name: vnet1-1761233620795, Subscription: Azure for Students, Resource group: myVm_group. The start time was 10/23/2025, 8:33:52 PM. The Correlation ID is ecf56835-7111-4429-880e-51a7b9301... The left sidebar has tabs for Overview, Inputs, Outputs, and Template. The 'Overview' tab is selected. At the bottom, there are 'Deployment details', 'Next steps', and a 'Go to resource' button. There are also 'Give feedback' and 'Tell us about your experience with deployment' links at the very bottom.

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 ...

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

< Previous Next > **Create**

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

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

< Previous Next > **Create**

Task 3: Test the connection

All services > Compute infrastructure | Virtual machines > vm1

vm1 | Connect

Virtual machine

Search

Overview Activity log Access control (IAM) Tags Diagnose and solve problems Resource visualizer Connect Connect Bastion Windows Admin Center Networking Settings Availability + scale Security

Now view, configure, and even save your connection settings — all in one place. Have comments or suggestions for our new Connect feature? Let us know!

Native RDP

Source machine

Source machine OS: Windows
Source IP address: Local IP | 43.246.221.82 Connecting over a VPN?

Destination VM

VM IP address: Public IP | 57.159.28.196
VM port: 3389

Connection prerequisites

VM access: Port 3389 is accessible from source IP(s) View applied NSG rules

Check access

Connect using RDP file

Download and open file to connect Download RDP file

Username: azureuser

MOST POPULAR LOCAL MACHINE

All services > Compute infrastructure | Virtual machines > vm2

vm2 | Connect

Virtual machine

Search

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Now view, configure, and even save your connection settings — all in one place. Have comments or suggestions for our new Connect feature? Let us know!

Native RDP

Source machine

Source machine OS: Windows
Source IP address: Local IP | 43.246.221.82 Connecting over a VPN?

Destination VM

VM IP address: Public IP | 20.197.20.51
VM port: 3389

Connection prerequisites

VM access: Port 3389 is accessible from source IP(s) View applied NSG rules

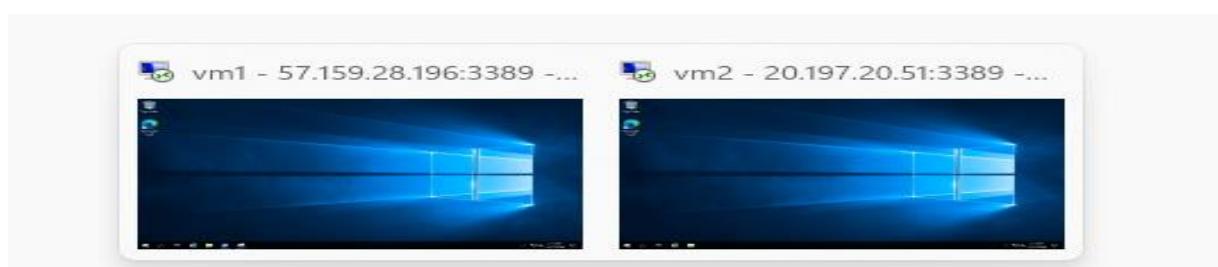
Check access

Connect using RDP file

Download and open file to connect Download RDP file

Username: azureuser

MOST POPULAR LOCAL MACHINE



```
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>
```