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Section: 7B

Lab: 02

Task 1:

The screenshot shows the Microsoft Azure portal interface. The user is in the 'Network foundation | Virtual networks' section. On the left, there's a navigation menu with options like Overview, Virtual network, 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, and Monitoring and management. The 'Virtual networks' option is currently selected. The main area displays a table with one row of data. The columns are 'Name', 'Resource Group', 'Location', and 'Subscription'. The data row shows 'vnet-centralindia', 'CloudComputingGroup', 'Central India', and 'Azure for Students'. There are filters at the top of the table: 'Filter for any field...', 'Subscription equals all', 'Resource Group equals all', 'Location equals all', and 'Add filter'. The top right corner shows the user's profile picture, email (ameerumar320@gmail.com), and account information.

Basic information

The screenshot shows the 'Create virtual network' wizard in the Microsoft Azure portal. The current step is 'Project details'. It asks the user to select a subscription and resource group. The 'Subscription' dropdown is set to 'Azure for Students' and the 'Resource group' dropdown is set to 'CloudComputingGroup'. Below this, there's a note about selecting a subscription to manage resources. The next step, 'Instance details', is shown below with fields for 'Virtual network name' (set to 'vnet1') and 'Region' (set to '(Asia Pacific) Central India'). At the bottom, there are 'Previous' and 'Next' buttons, and a 'Review + create' button.

Validation passed

The screenshot shows the 'Create virtual network' wizard in the Microsoft Azure portal. The top navigation bar includes 'Search resources, services, and docs (G+)', 'Copilot', and user information for 'ameerumar320@gmail.com'. The main content area displays the 'Validation passed' message. Below it, the 'Review + create' tab is selected. The configuration details are as follows:

Category	Setting	Value
Basics	Subscription	Azure for Students
	Resource Group	CloudComputingGroup
	Name	vnet1
	Region	Central India
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		

At the bottom, there are 'Previous', 'Next', and 'Create' buttons, along with a 'Download a template for automation' link and a 'Give feedback' button.

Deployment complete

The screenshot shows the 'vnet1-1762536201067 | Overview' page in the Microsoft Azure portal. The top navigation bar includes 'Search resources, services, and docs (G+)', 'Copilot', and user information for 'ameerumar320@gmail.com'. The main content area displays the 'Your deployment is complete' message. Deployment details are listed as follows:

Detail	Value
Deployment name	vnet1-1762536201067
Subscription	Azure for Students
Resource group	CloudComputingGroup

Deployment status: Start time : 11/7/2023, 10:23:24 PM Correlation ID : 237cda3c-58be-446f-a9a7-d4823380f141

Below the deployment summary, there are sections for 'Deployment details' and 'Next steps', with a 'Go to resource' button. The right sidebar contains links for 'Microsoft Defender for Cloud', 'Microsoft tutorials', 'Work with an expert', and 'Find an Azure expert'.

Task 2

Creating vm1

Microsoft Azure

All services > Compute infrastructure | Virtual machines >

Create a virtual machine

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

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 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 in 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 for Students
Resource group: CloudComputingGroup

Instance details

Virtual machine name: vm1
Region: (Asia Pacific) Central India
Availability options: No infrastructure redundancy required
Security type: Trusted launch virtual machines
Image: Windows Server 2025 Datacenter: Azure Edition - x64 Gen2
VM architecture: x64

< Previous | Next : Disks > | Review + create | Give feedback

Microsoft Azure

All services > Compute infrastructure | Virtual machines >

Create a virtual machine

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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

VM architecture: Arm64 | x64
Arm64 is not supported with the selected image.

Run with Azure Spot discount:

Size: Standard_D2s_v3 - 2 vcpus, 8 GiB memory (\$143.81/month)
See all sizes

Enable Hibernation:
Hibernate is not supported by the size that you have selected. Choose a size that is compatible with Hibernate to enable this feature. [Learn more](#)

Administrator account

Username: azureuser
Password: Confirm password:

Inbound port rules

Select which virtual machine network ports are accessible from the public internet. You can specify more limited or granular network access on the Networking tab.

Public inbound ports: None | Allow selected ports
 Allow selected ports

Select inbound ports: RDP (3389)

This will allow all IP addresses to access your virtual machine. This is only recommended for testing. Use the Advanced controls in the Networking tab to create rules to limit inbound traffic to known IP addresses.

< Previous | Next : Disks > | Review + create | Give feedback

It is in vnet1

The screenshot shows the 'Create a virtual machine' wizard in the Microsoft Azure portal. The 'Networking' tab is selected. Configuration details include:

- Virtual network: vnet1 (CloudComputingGroup)
- Subnet: (New) snet-centralindia-1 (10.0.1.0 - 10.0.1.255 (256 addresses))
- Public IP: (new) vm1-ip
- NIC network security group: Basic
- Public inbound ports: Allow selected ports (RDP (3389))

A warning message states: "This will allow all IP addresses to access your virtual machine. This is only recommended for testing. Use the Advanced controls in the Networking tab to create rules to limit inbound traffic to known IP addresses."

Created both VMs (vm1 and vm2)

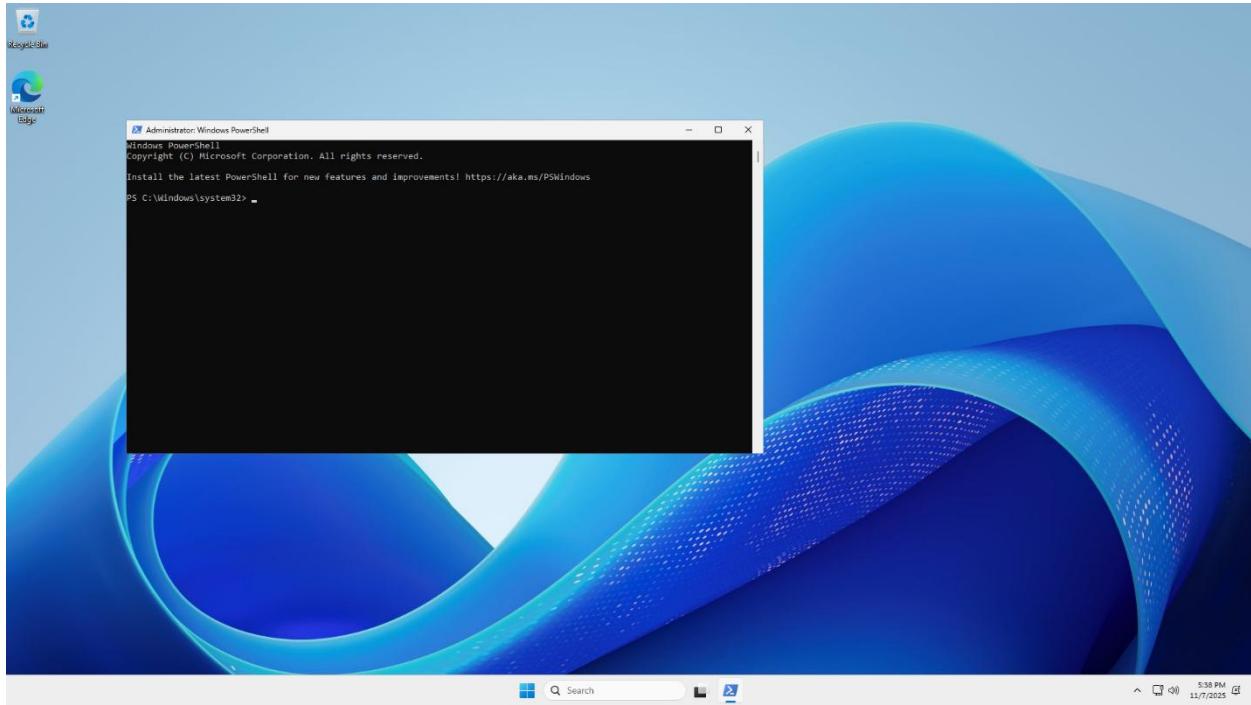
The screenshot shows the 'Virtual machines' page in the Microsoft Azure portal. The table lists the following information for two VMs:

Name	Subscription	Resource Group	Location	Status	Operating system	Size	Public IP address	Disks	Update status
vm1	Azure for Students	CloudComputingG...	Central India	Running	Windows	Standard_D2s_v3	74.225.240.251	1	Enable periodic ass...
vm2	Azure for Students	CloudComputingG...	Central India	Running	Windows	Standard_D2s_v3	74.225.219.254	1	Enable periodic ass...

Filter options at the top of the table include: Filter for any field..., Subscription equals all, Type equals all, Resource Group equals all, Location equals all, and Add filter.

Task 3:

Connected to vm2



Pinging vm1 from vm2

