

SZABIST

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Section	BSCS 8 th A
Course	Introduction to DevOps
Instructor	Tariq Khan Ghouri

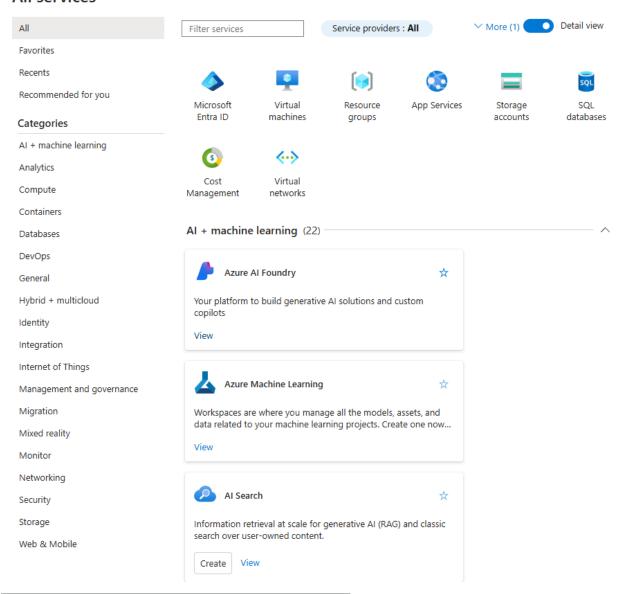
DevOps

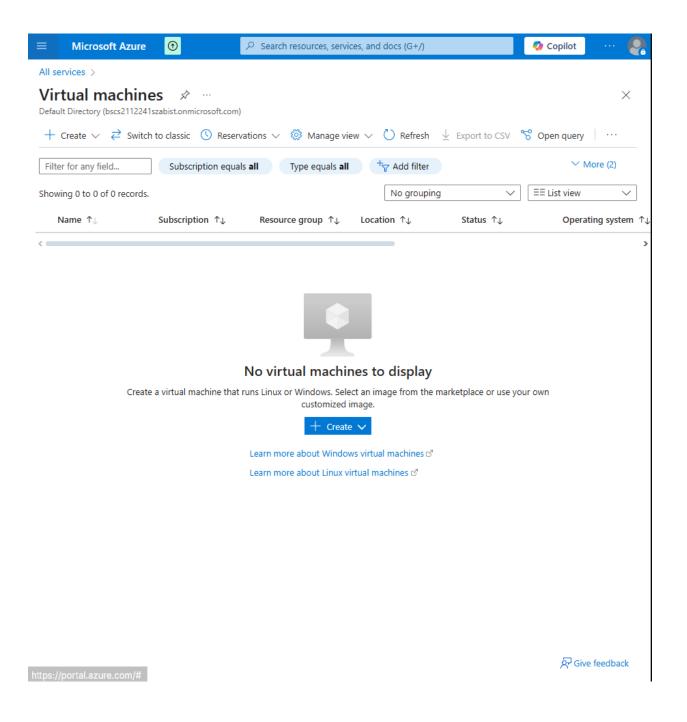
LAB01

By Umer Amir _ 2112241

TASK 1:

All services









Azure virtual machine

Create a virtual machine hosted by Azure



Azure virtual machine with preset configuration

Create a virtual machine with presets based on your workloads



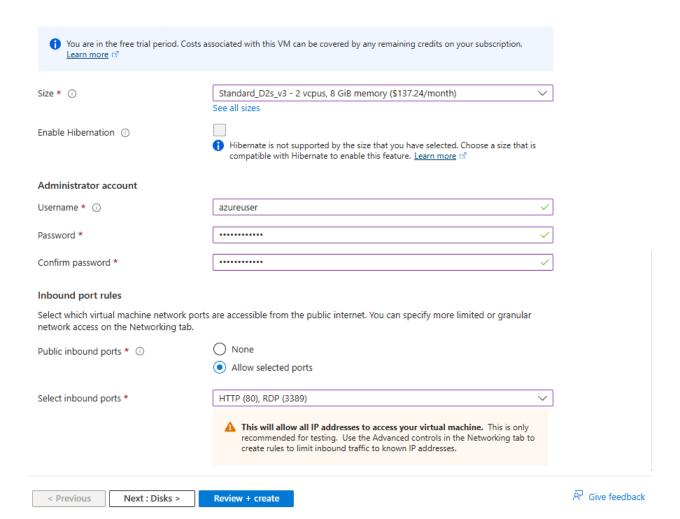
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Home >

Create a virtual machine

D					
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 workle			
	ux or Windows. Select an image from Azure marketplace or u Review + create to provision a virtual machine with default pa				
1 This subscription may not be elig	ible to deploy VMs of certain sizes in certain regions.				
Project details					
Select the subscription to manage depyour resources.	ployed resources and costs. Use resource groups like folders	to organize and manage all			
Subscription * ①	Azure subscription 1	~			
Resource group * ①	Resource group * ① (New) myVM_group Create new				
Instance details					
Virtual machine name * ①	myVM	✓			
Region * ①	(US) East US	<u> </u>			
Availability options ①	No infrastructure redundancy required	<u> </u>			
Security type ①	Trusted launch virtual machines	V			
	Configure security features Trusted launch virtual machine is required when using	1P Gallery images.			
Image * ①	Windows Server 2019 Datacenter - x64 Gen2 (free	e services eligible)			
VIII and its time O	See all images Configure VM generation Arm64				
VM architecture ①	x64				

1 Arm64 is not supported with the selected image.



Basics Disks **Networking** Management Monitoring Advanced Tags Review + create

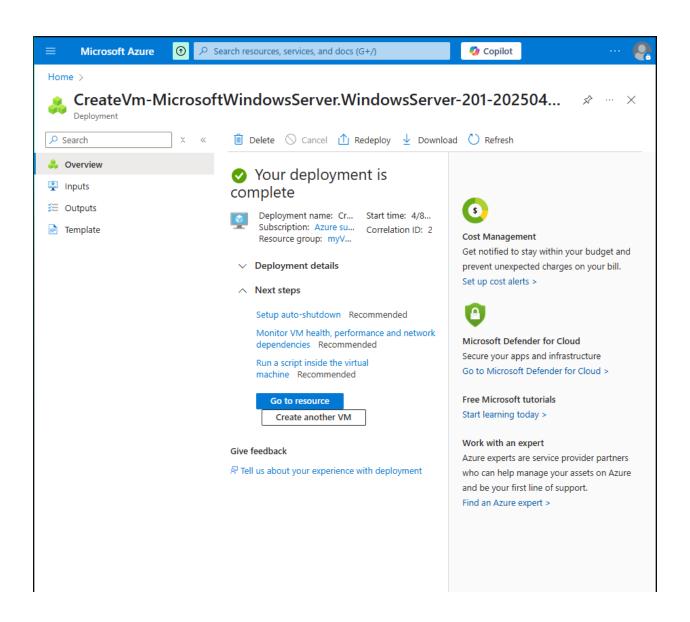
Define network connectivity for your virtual machine by configuring network interface card (NIC) settings. You can control ports, inbound and outbound connectivity with security group rules, or place behind an existing load balancing solution.

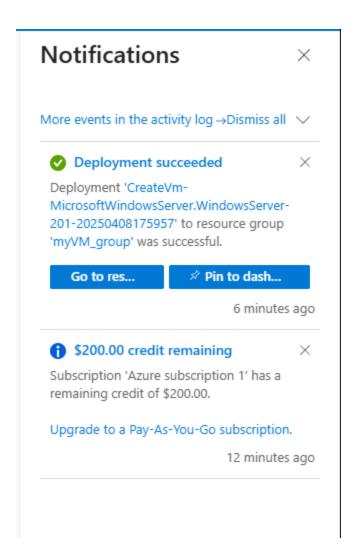
Learn more 🗗

Network interface

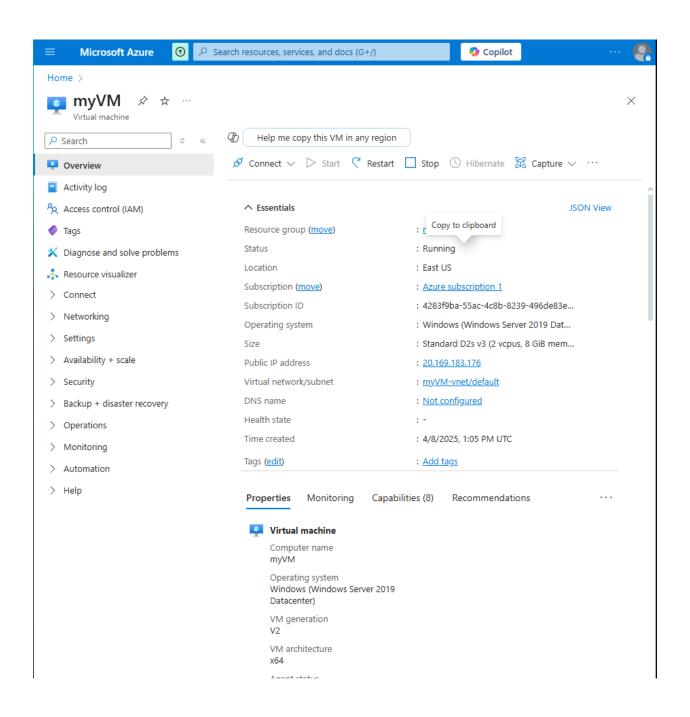
When	creating	a virtual	machine.	а	network	interface	will	he	created	for w	OH

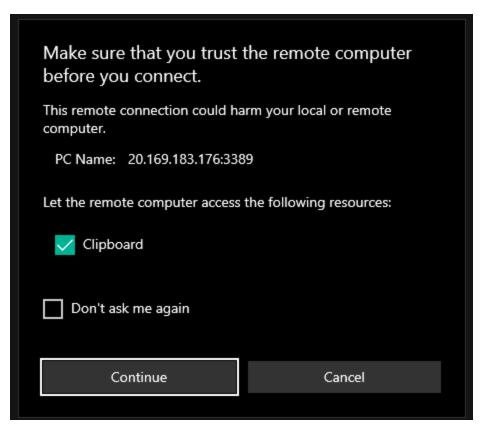
Virtual network * ①	(new) myVM-vnet	$\overline{}$			
	Create new				
Subnet * ①	(new) default (10.0.0.0/24)	~			
Public IP ①	(new) myVM-ip	~			
	Create new				
NIC network security group ①	None				
	Basic				
	Advanced				
Public inbound ports * ①	None				
	Allow selected ports				
Select inbound ports *	HTTP (80), 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.				
Delete public IP and NIC when VM is deleted ①					
Basics Disks Networking	Management Monitoring Advanced Tags Review + crea	ite			
Configure monitoring options for your	VM.				
Alerts					
Enable recommended alert rules ①					
Diagnostics					
Boot diagnostics ①	Enable with managed storage account (recommended)				
boot diagnostics (Enable with custom storage account				
	Disable				
	_				
Enable OS guest diagnostics ①					
Health					
	a				
Enable application health monitoring	U L				

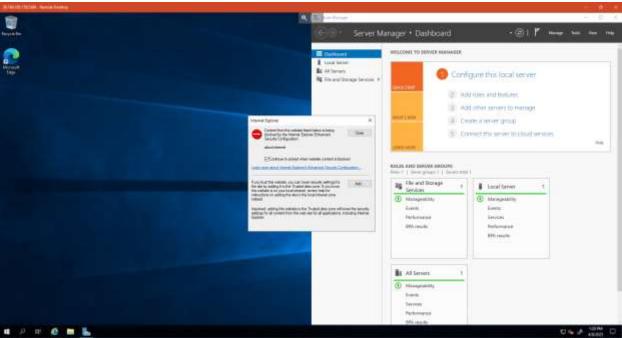




TASK 2:







TASK 3:

20.169.183.176:3389 - Remote Desktop