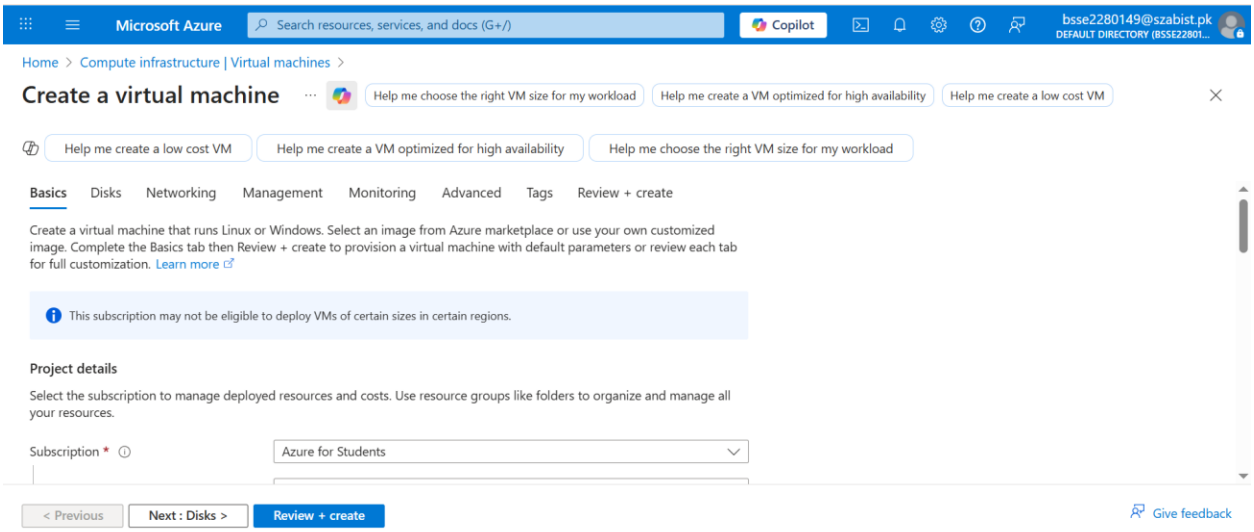
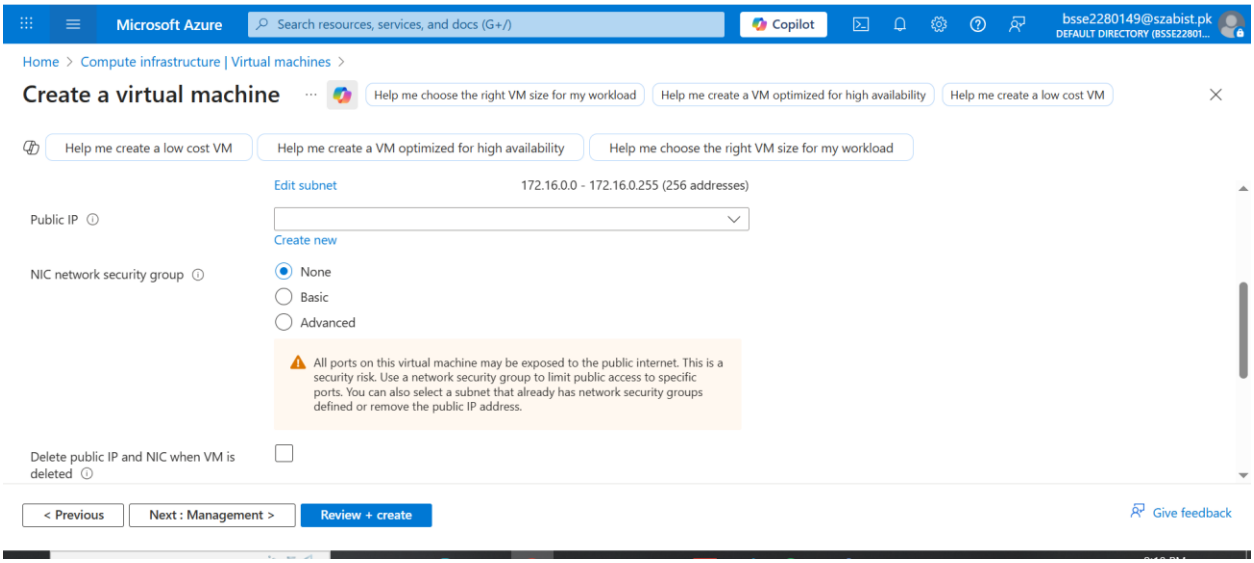
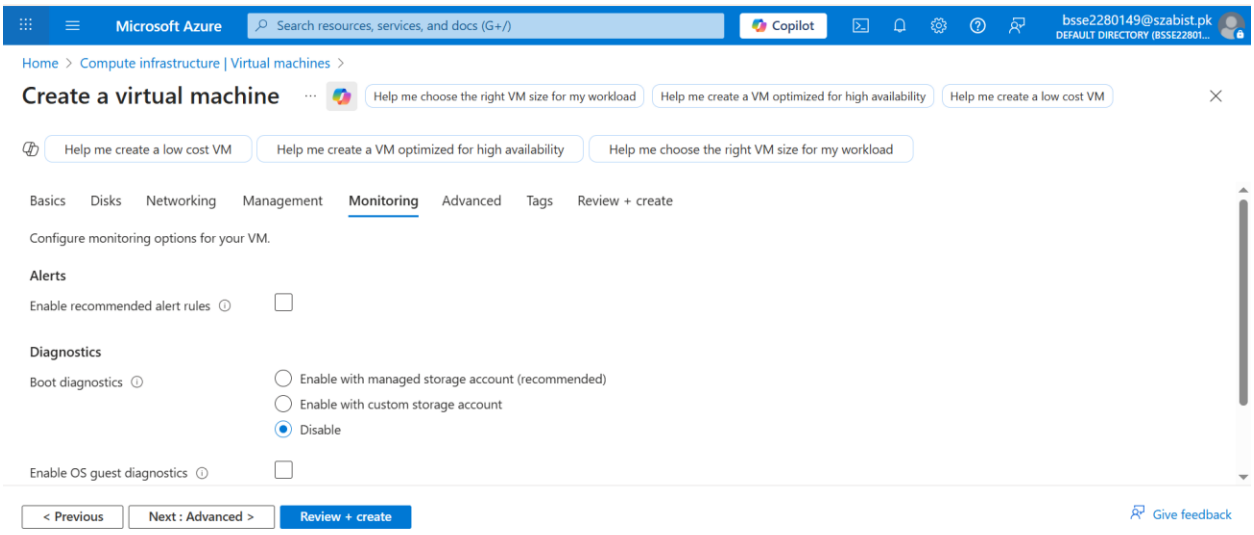
Introduction To Cloud Computing
LAB 06

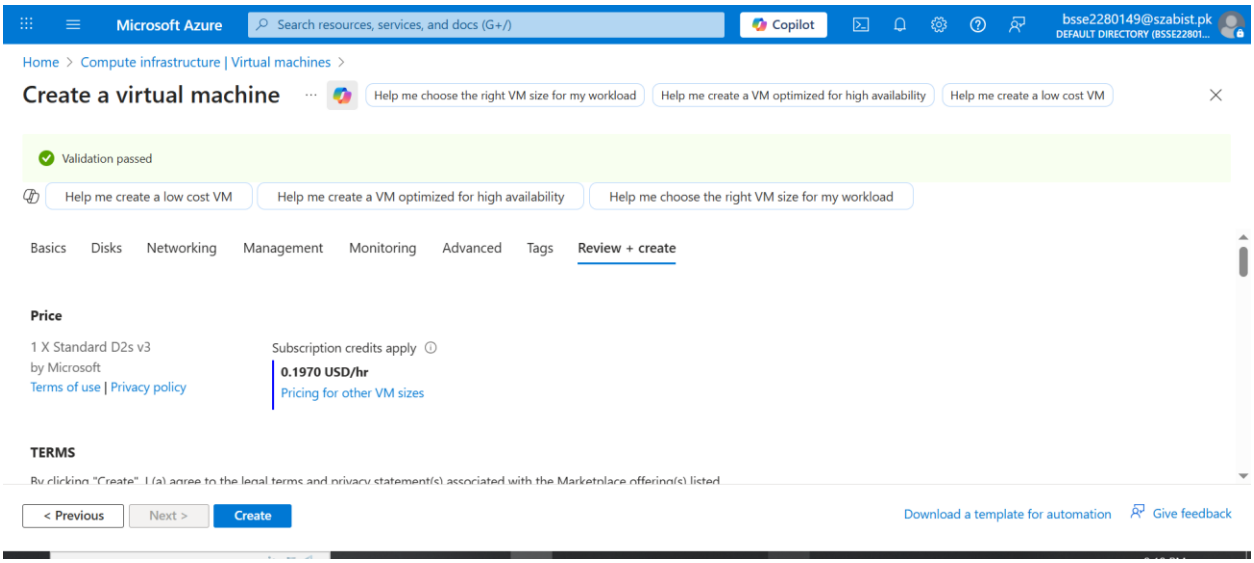
Name: Misha Sohail
ID: 2280149

BS-SE 7B






Microsoft Azure
Search resources, services, and docs (G+/)
Copilot
bsse2280149@szabist.pk
DEFAULT DIRECTORY (BSSE22801...
Home > Compute infrastructure | Virtual machines >
Create a virtual machine
Help me choose the right VM size for my workload
Help me create a VM optimized for high availability
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
Configure monitoring options for your VM.
Alerts
Enable recommended alert rules
Diagnostics
Boot diagnostics
Enable with managed storage account (recommended)
Enable with custom storage account
Disable
Enable OS guest diagnostics
< Previous
Next : Advanced >
Review + create
Give feedback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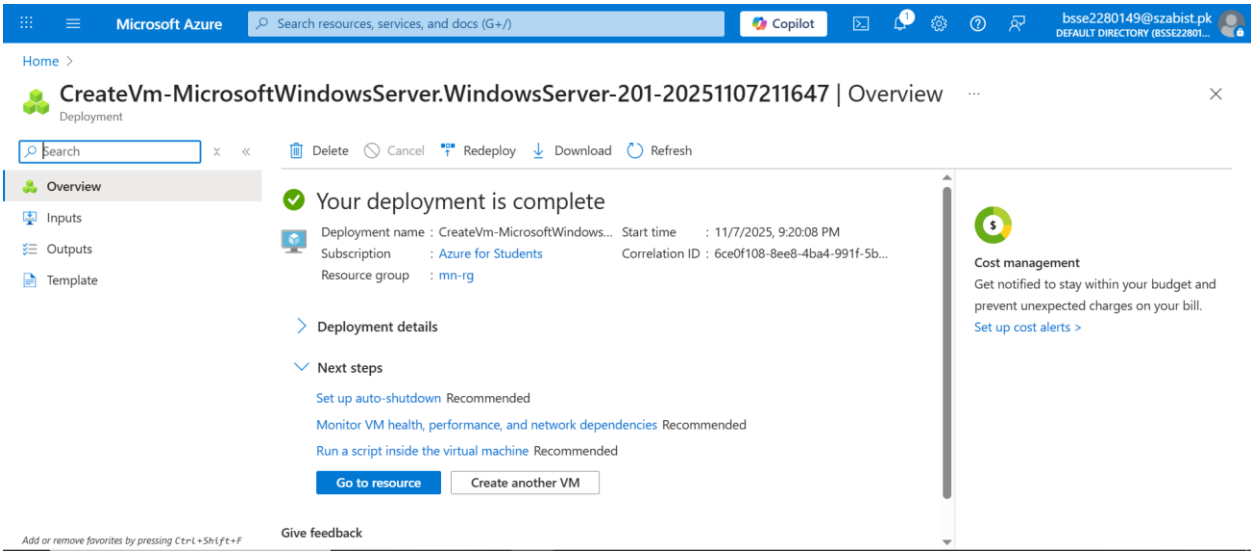
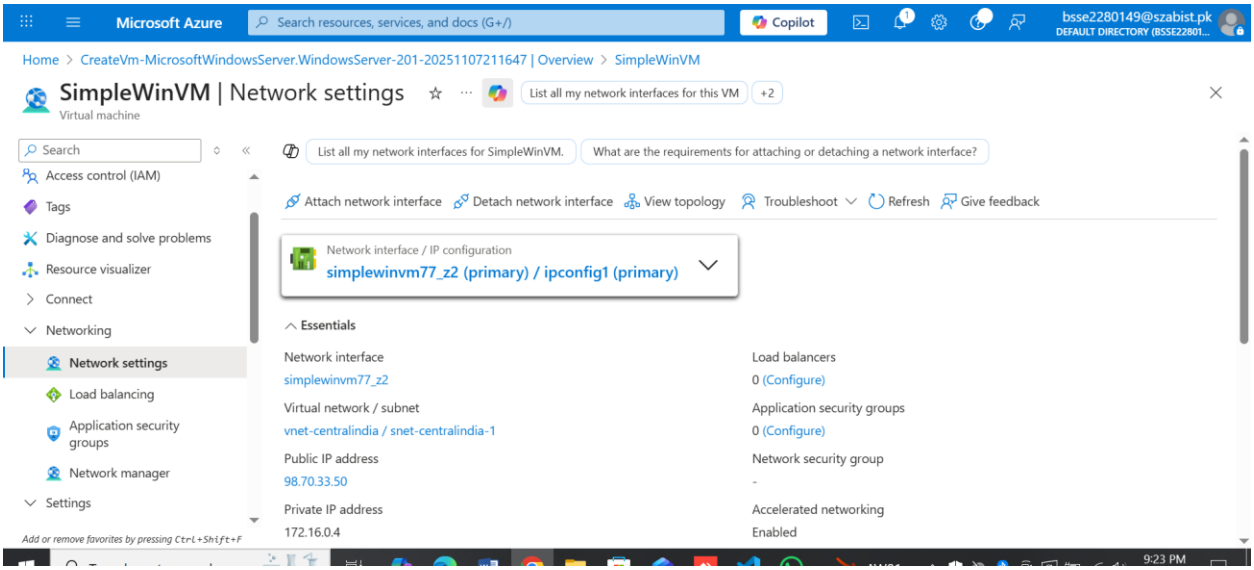
Home > Compute infrastructure | Virtual machines >
Create a virtual machine
Help me choose the right VM size for my workload
Help me create a VM optimized for high availability
Help me create a low cost VM
Validation passed
Help me create a low cost VM
Help me create a VM optimized for high availability
Help me choose the right VM size for my workload
Basics Disks Networking Management Monitoring Advanced Tags Review + create
Price
1 X Standard D2s v3
by Microsoft
Terms of use | Privacy policy
Subscription credits apply
0.1970 USD/hr
Pricing for other VM sizes
TERMS
< Previous
Next >
Create
Download a template for automation
Give feedback


Microsoft Azure
Search resources, services, and docs (G+/)
Copilot
bsse2280149@szabist.pk
DEFAULT DIRECTORY (BSSE22801...
Home >
CreateVm-MicrosoftWindowsServer.WindowsServer-201-20251107211647 | Overview
Deployment
Search
Overview
Inputs
Outputs
Template
Delete
Cancel
Redeploy
Download
Refresh
Your deployment is complete
Deployment name : CreateVm-MicrosoftWindows...
Subscription : Azure for Students
Resource group : mn-rg
Start time : 11/7/2025, 9:20:08 PM
Correlation ID : 6ce0f108-8ee8-4ba4-991f-5b...
Deployment details
Next steps
Set up 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
Give feedback
Cost management
Get notified to stay within your budget and prevent unexpected charges on your bill.
Set up cost alerts >
Add or remove favorites by pressing Ctrl+Shift+F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Copilot
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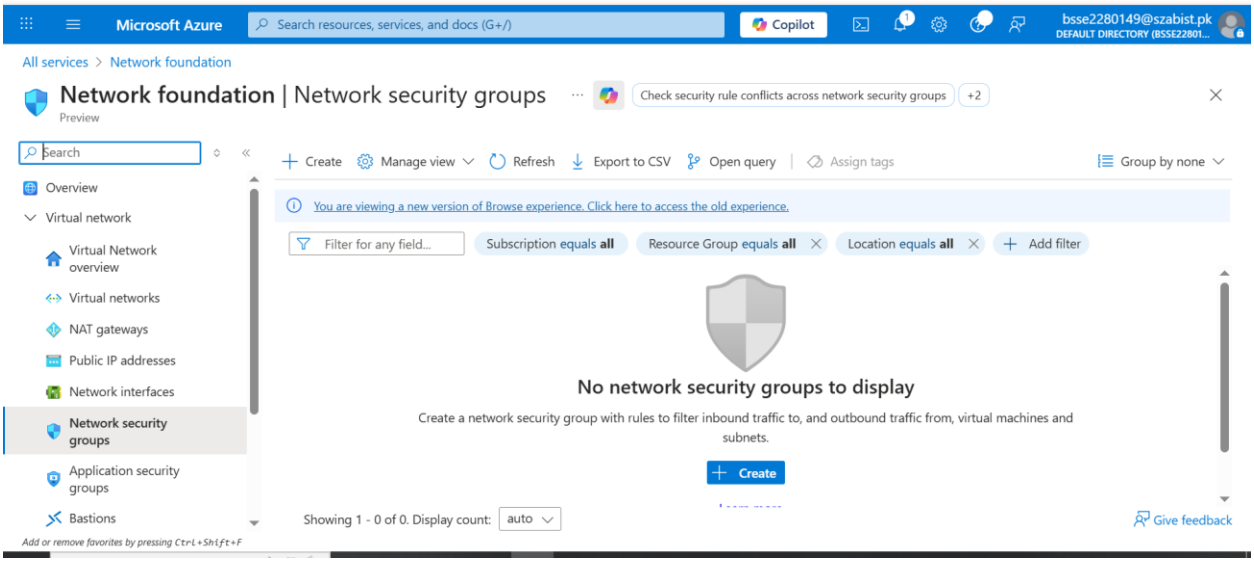
DEFAULT DIRECTORY (BSSE22801...
Home > CreateVm-MicrosoftWindowsServer.WindowsServer-201-20251107211647 | Overview > SimpleWinVM
SimpleWinVM | Network settings
Virtual machine
List all my network interfaces for this VM
+2
Search
Access control (IAM)
Tags
Diagnose and solve problems
Resource visualizer
Connect
Networking
Network settings
Load balancing
Application security groups
Network manager
Settings
Add or remove favorites by pressing Ctrl+Shift+F
List all my network interfaces for SimpleWinVM.
What are the requirements for attaching or detaching a network interface?
Attach network interface
Detach network interface
View topology
Troubleshoot
Refresh
Give feedback
Network interface / IP configuration
simplewinvm77_z2 (primary) / ipconfig1 (primary)
Essentials
Network interface
simplewinvm77_z2
Virtual network / subnet
vnet-centralindia / snet-centralindia-1
Public IP address
98.70.33.50
Private IP address
172.16.0.4
Load balancers
0 (Configure)
Application security groups
0 (Configure)
Network security group
-
Accelerated networking
Enabled
9:23 PM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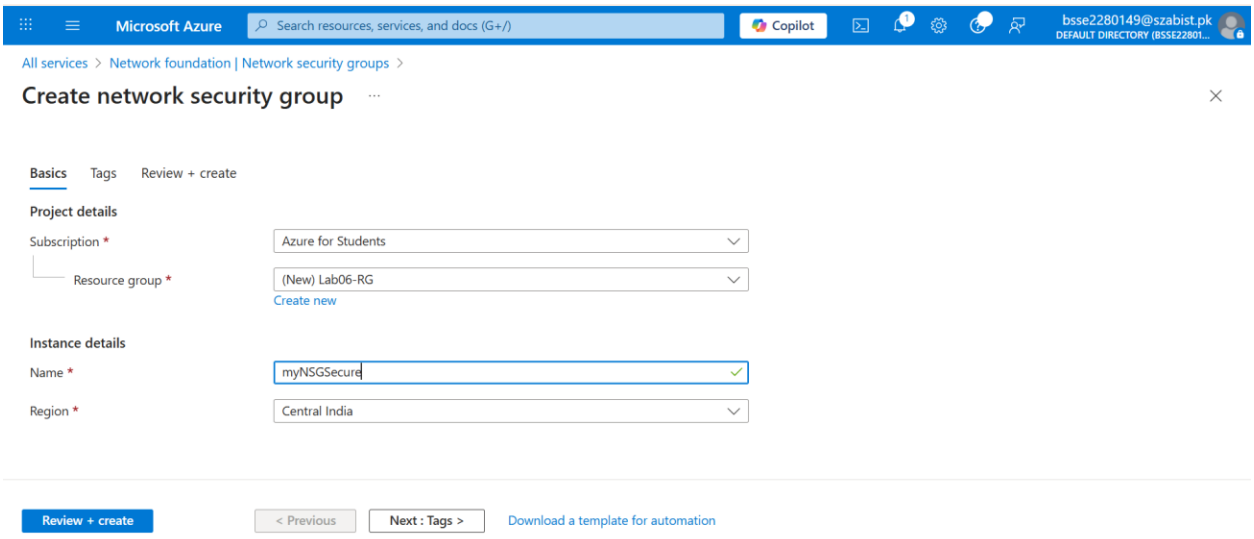
Copilot
bsse2280149@szabist.pk
DEFAULT DIRECTORY (BSSE22801...
All services > Network foundation
Network foundation | Network security groups
Preview
Check security rule conflicts across network security groups
+2
Search
Overview
Virtual network
Virtual Network overview
Virtual networks
NAT gateways
Public IP addresses
Network interfaces
Network security groups
Application security groups
Bastions
Add or remove favorites by pressing Ctrl+Shift+F
Create
Manage view
Refresh
Export to CSV
Open query
Assign tags
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
Resource Group equals all
Location equals all
Add filter
No network security groups to display
Create a network security group with rules to filter inbound traffic to, and outbound traffic from, virtual machines and subnets.
Create
Showing 1 - 0 of 0. Display count: auto
Give feedback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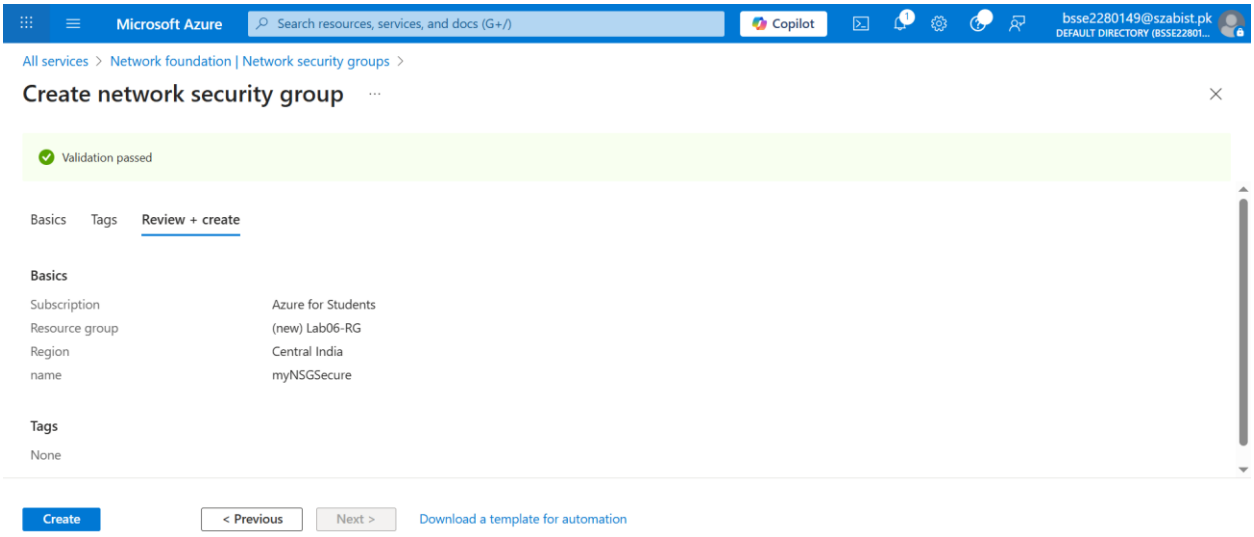
DEFAULT DIRECTORY (BSSE22801...
All services > Network foundation | Network security groups >
Create network security group
Basics
Tags
Review + create
Project details
Subscription *
Azure for Students
Resource group *
(New) Lab06-RG
Create new
Instance details
Name *
myNSGSecure
Region *
Central India
Review + create
< Previous
Next : Tags >
Download a template for automation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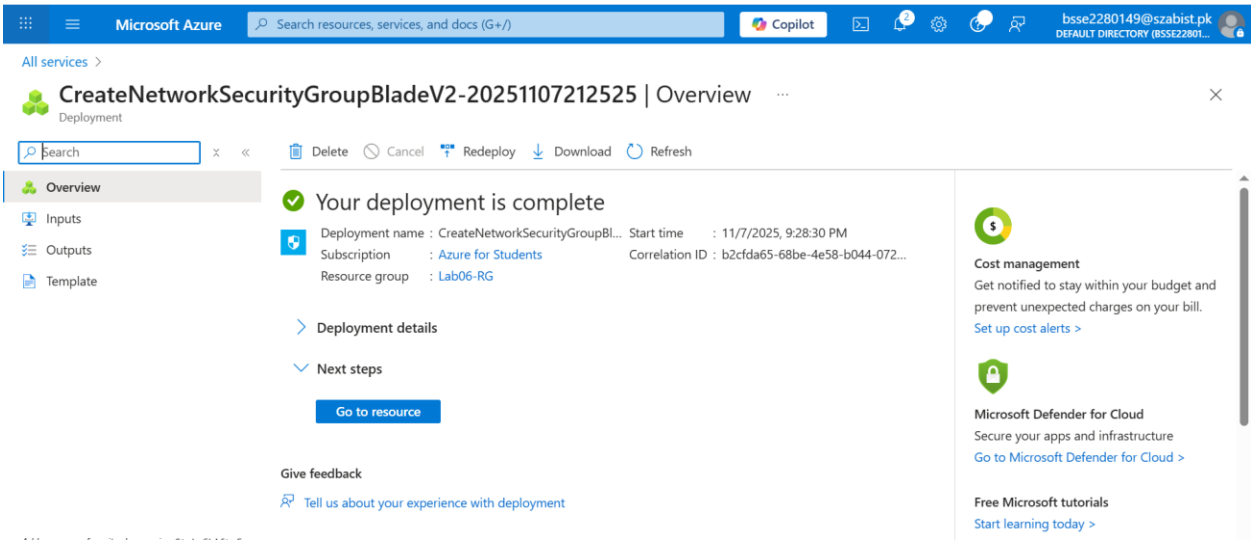
All services > Network foundation | Network security groups >
Create network security group
Validation passed
Basics Tags Review + create
Basics
Subscription Azure for Students
Resource group (new) Lab06-RG
Region Central India
name myNSGSecure
Tags
None
Create
< Previous
Next >
Download a template for automation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Search resources, services, and docs (G+/)
Copilot
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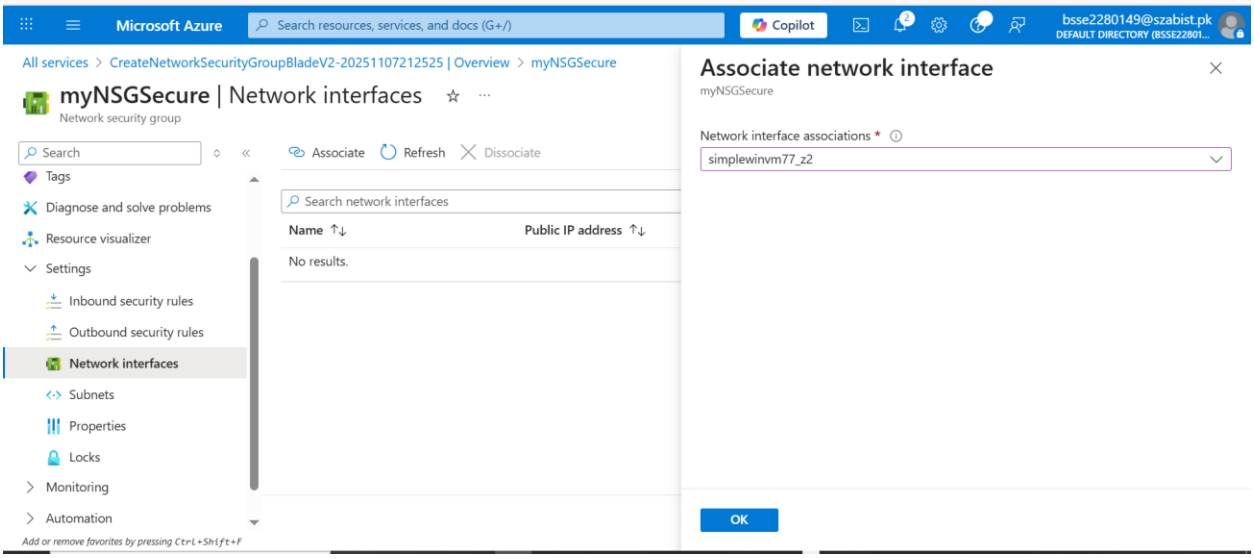
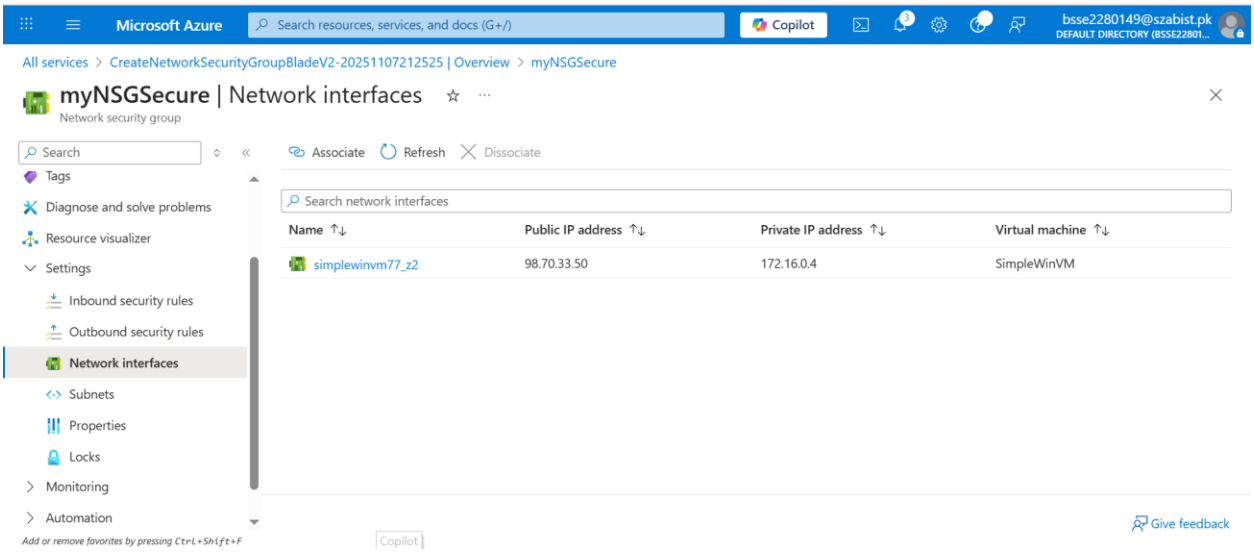
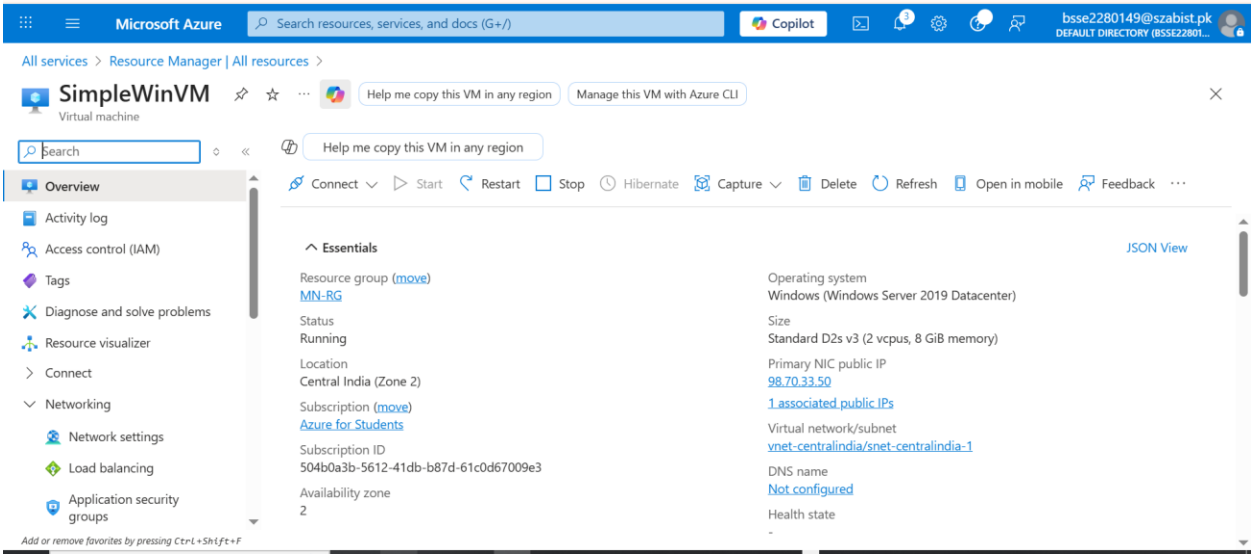
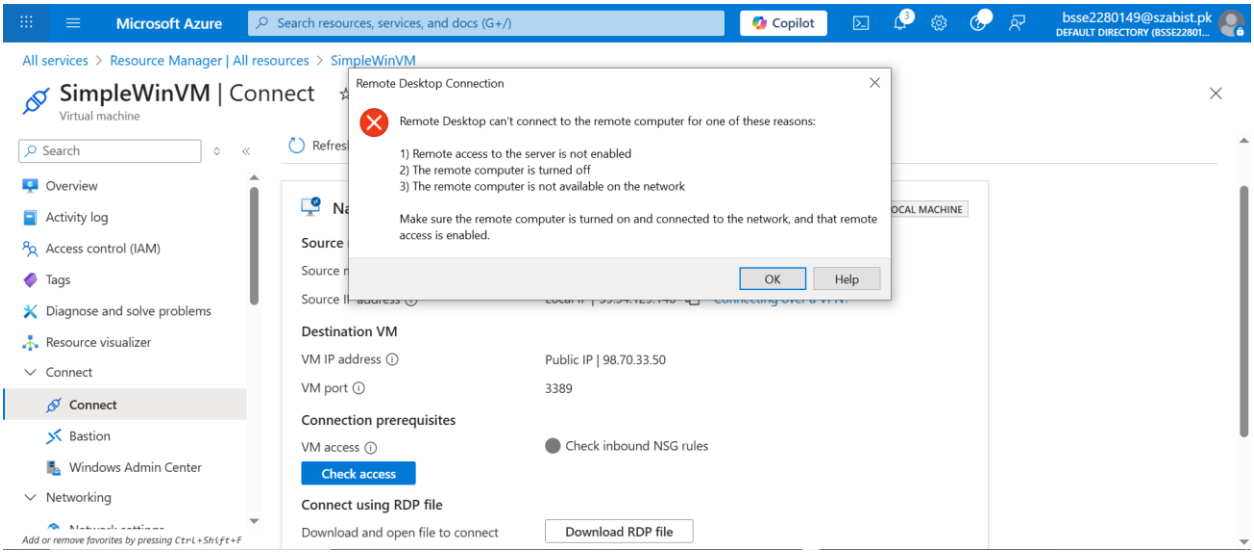
DEFAULT DIRECTORY (BSSE22801...
All services >
CreateNetworkSecurityGroupBladeV2-20251107212525 | Overview
Deployment
Search
Overview
Inputs
Outputs
Template
Delete Cancel Redeploy Download Refresh
Your deployment is complete
Deployment name : CreateNetworkSecurityGroupBl...
Subscription : Azure for Students
Resource group : Lab06-RG
Start time : 11/7/2025, 9:28:30 PM
Correlation ID : b2cfda65-68be-4e58-b044-072...
Deployment details
Next steps
Go to resource
Give feedback
Tell us about your experience with deployment
Cost management
Get notified to stay within your budget and prevent unexpected charges on your bill.
Set up cost alerts >
Microsoft Defender for Cloud
Secure your apps and infrastructure
Go to Microsoft Defender for Cloud >
Free Microsoft tutorials
Start learning today >


Microsoft Azure
Search resources, services, and docs (G+/)
Copilot
bsse2280149@szabist.pk
DEFAULT DIRECTORY (BSSE22801...
All services > CreateNetworkSecurityGroupBladeV2-20251107212525 | Overview > myNSGSecure
myNSGSecure | Network interfaces
Network security group
Search
Tags
Diagnose and solve problems
Resource visualizer
Settings
Inbound security rules
Outbound security rules
Network interfaces
Subnets
Properties
Locks
Monitoring
Automation
Add or remove favorites by pressing Ctrl+Shift+F
Associate Refresh Dissociate
Search network interfaces
Name
Public IP address
No results.
Associate network interface
myNSGSecure
Network interface associations *
simplewinvm77_z2
OK



Task 3: Configure Inbound Security Rule (Allow RDP)




Microsoft Azure
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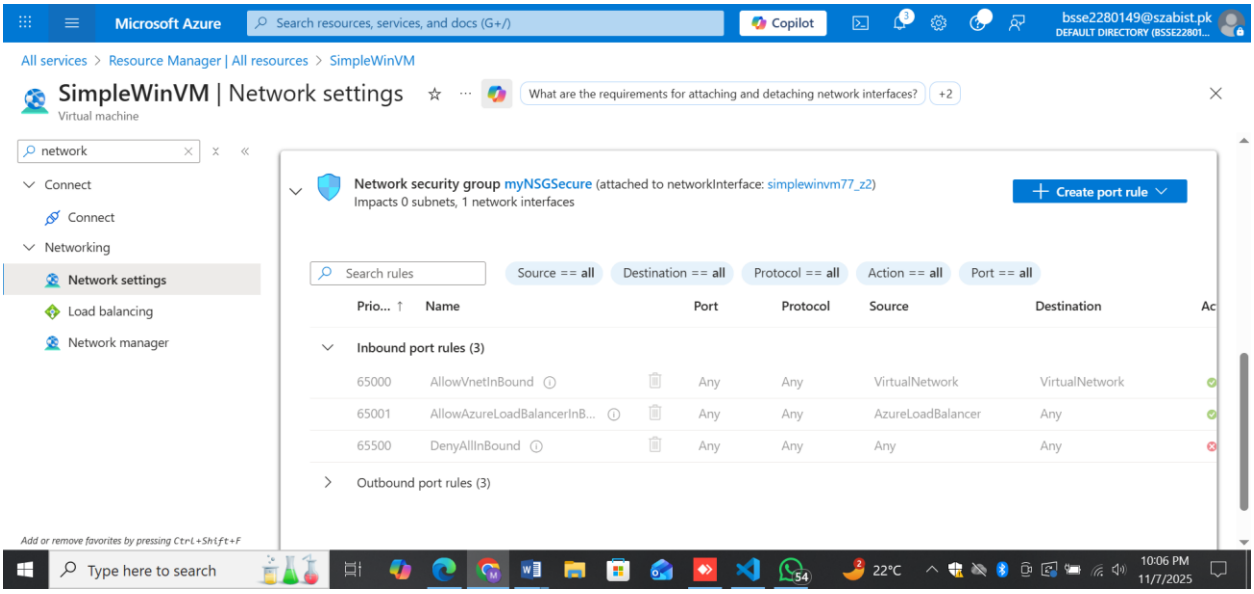
DEFAULT DIRECTORY (BSSE22801...
All services > Resource Manager | All resources > SimpleWinVM
SimpleWinVM | Connect
Virtual machine
Remote Desktop Connection
Remote Desktop can't connect to the remote computer for one of these reasons:
1) Remote access to the server is not enabled
2) The remote computer is turned off
3) The remote computer is not available on the network
Make sure the remote computer is turned on and connected to the network, and that remote access is enabled.
OK
Help
Overview
Activity log
Access control (IAM)
Tags
Diagnose and solve problems
Resource visualizer
Connect
Connect
Bastion
Windows Admin Center
Networking
Source
Destination VM
VM IP address
Public IP | 98.70.33.50
VM port
3389
Connection prerequisites
VM access
Check inbound NSG rules
Check access
Connect using RDP file
Download and open file to connect
Download RDP file


Microsoft Azure
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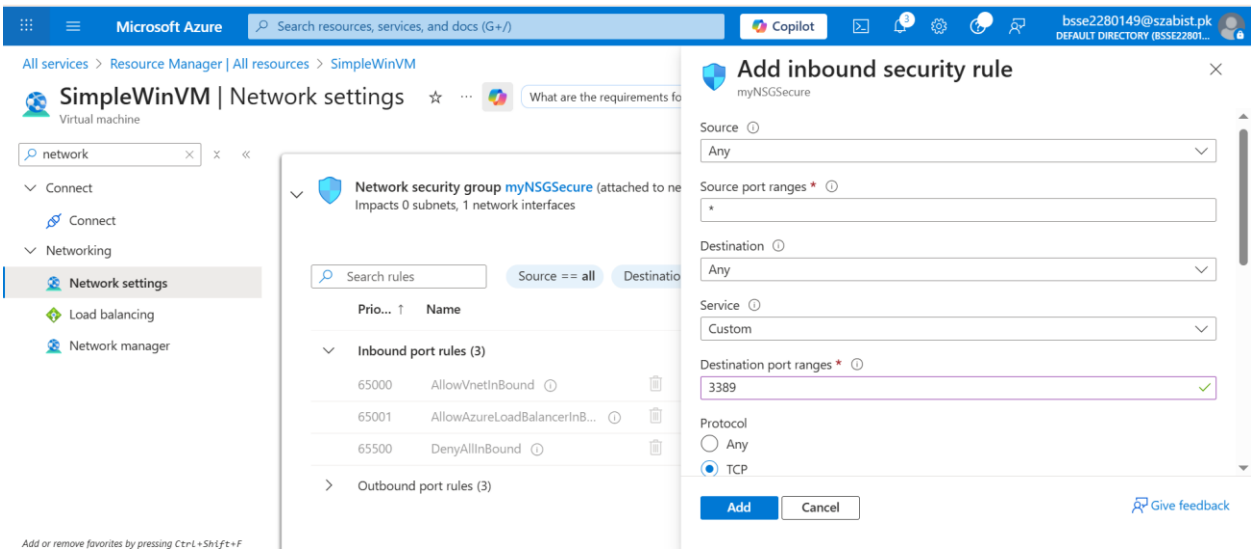
Copilot
bsse2280149@szabist.pk
DEFAULT DIRECTORY (BSSE22801...
All services > Resource Manager | All resources > SimpleWinVM
SimpleWinVM | Network settings
Virtual machine
What are the requirements for attaching and detaching network interfaces?
+2
network
Connect
Connect
Networking
Network settings
Load balancing
Network manager
Network security group myNSGSecure (attached to networkInterface: simplewinvm77_z2)
Impacts 0 subnets, 1 network interfaces
Create port rule
Search rules
Source == all
Destination == all
Protocol == all
Action == all
Port == all
Prio... ↑
Name
Port
Protocol
Source
Destination
Inbound port rules (3)
65000 AllowVnetInBound Any Any VirtualNetwork VirtualNetwork
65001 AllowAzureLoadBalancerInB... Any Any AzureLoadBalancer Any
65500 DenyAllInBound Any Any Any Any
Outbound port rules (3)
Type here to search
22°C
10:06 PM
11/7/2025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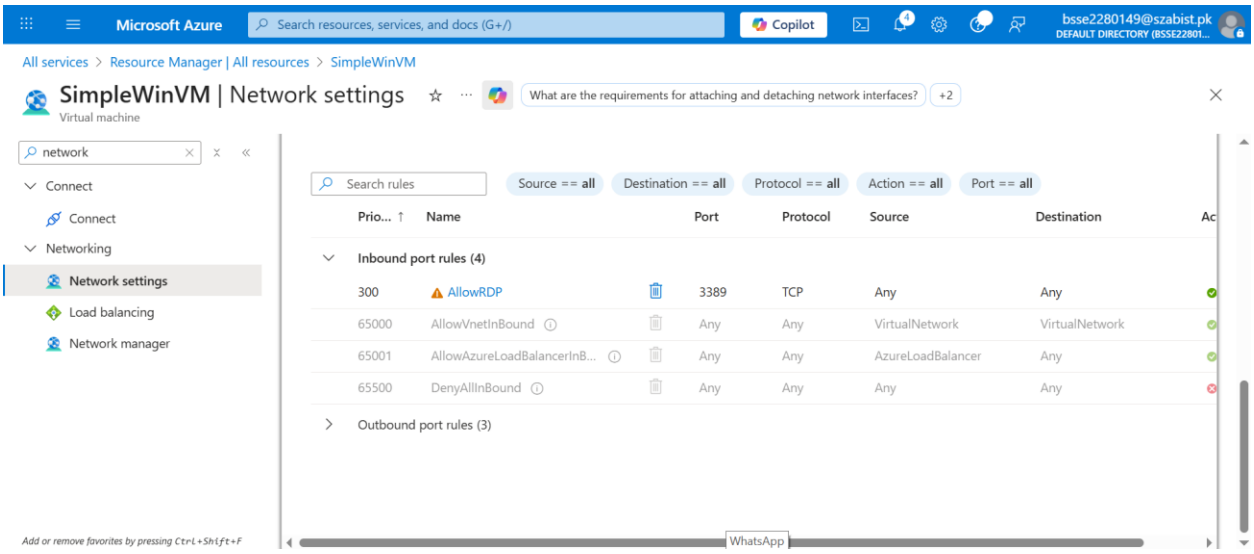
Copilot
bsse2280149@szabist.pk
DEFAULT DIRECTORY (BSSE22801...
All services > Resource Manager | All resources > SimpleWinVM
SimpleWinVM | Network settings
Virtual machine
network
Connect
Connect
Networking
Network settings
Load balancing
Network manager
Network security group myNSGSecure (attached to ne
Impacts 0 subnets, 1 network interfaces
Search rules
Source == all
Prio... ↑
Name
Inbound port rules (3)
65000 AllowVnetInBound
65001 AllowAzureLoadBalancerInB...
65500 DenyAllInBound
Outbound port rules (3)
Add inbound security rule
myNSGSecure
Source
Any
Source port ranges *
*
Destination
Any
Service
Custom
Destination port ranges *
3389
Protocol
Any
TCP
Add
Cancel
Give feedback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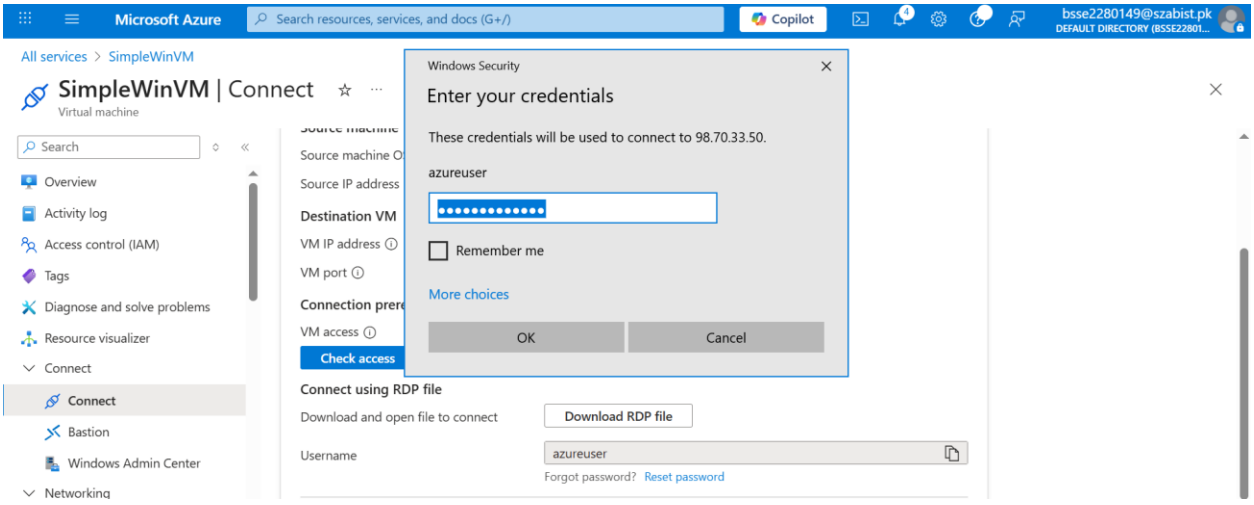
DEFAULT DIRECTORY (BSSE22801...
All services > Resource Manager | All resources > SimpleWinVM
SimpleWinVM | Network settings
Virtual machine
What are the requirements for attaching and detaching network interfaces?
+2
network
Connect
Connect
Networking
Network settings
Load balancing
Network manager
Search rules
Source == all
Destination == all
Protocol == all
Action == all
Port == all
Prio... ↑
Name
Port
Protocol
Source
Destination
Inbound port rules (4)
300 AllowRDP 3389 TCP Any Any
65000 AllowVnetInBound Any Any VirtualNetwork VirtualNetwork
65001 AllowAzureLoadBalancerInB... Any Any AzureLoadBalancer Any
65500 DenyAllInBound Any Any Any Any
Outbound port rules (3)
Add or remove favorites by pressing Ctrl+Shift+F
WhatsApp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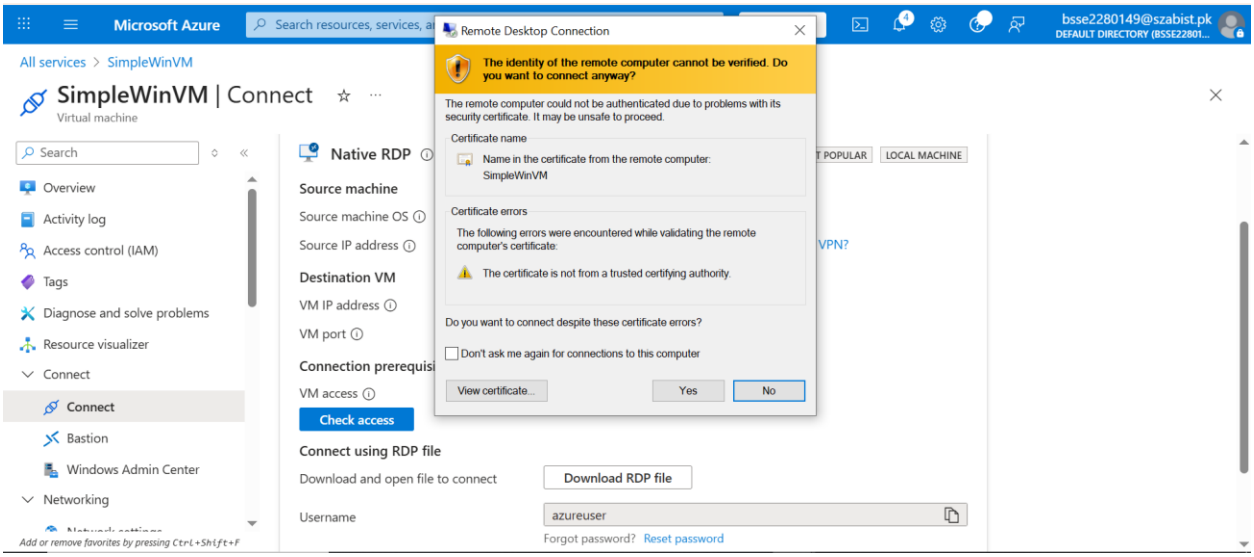
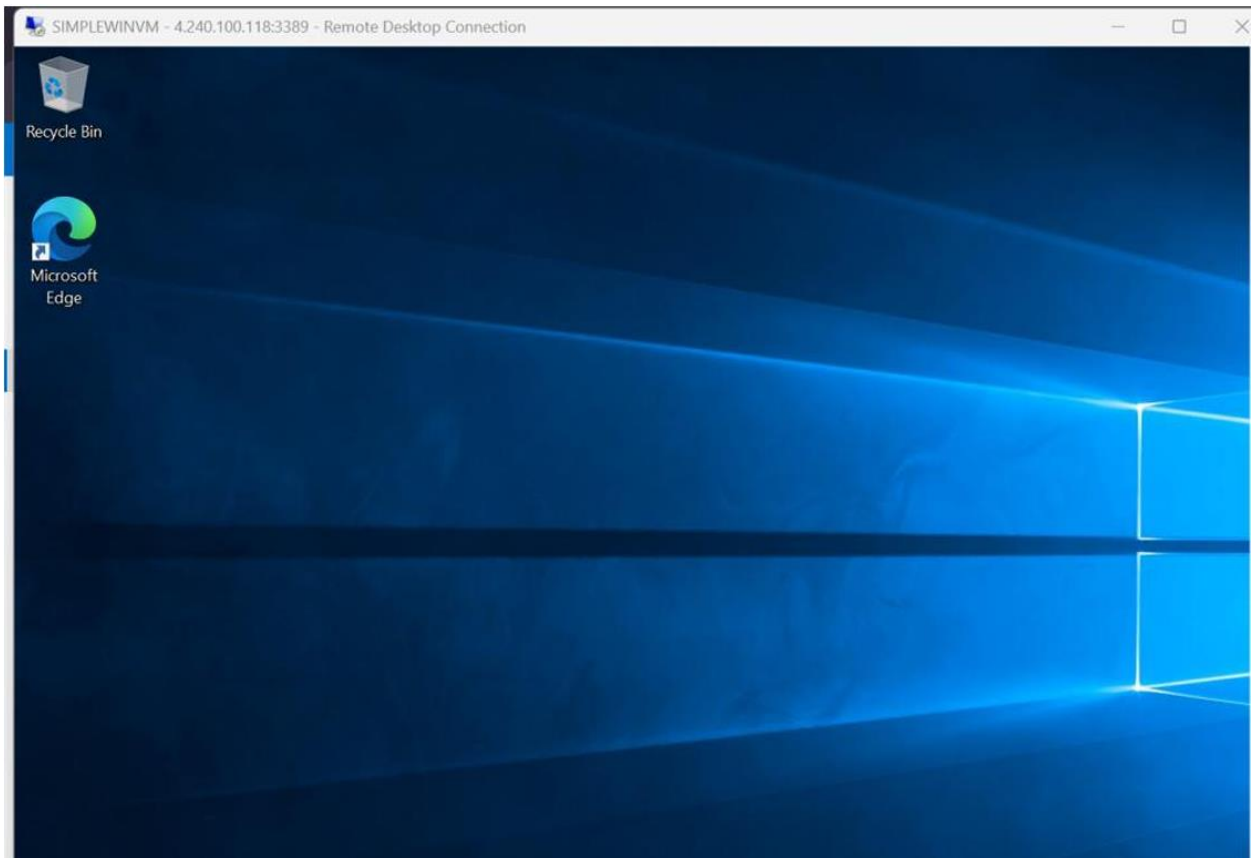
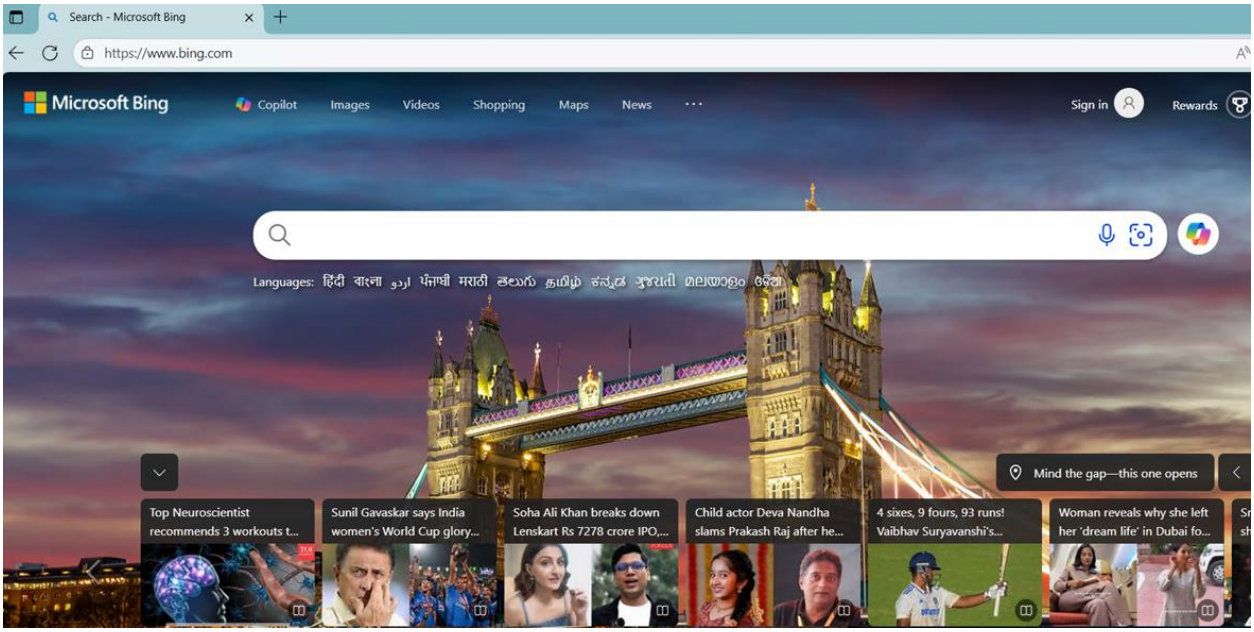
Search resources, services, and docs (G+/)
Copilot
bsse2280149@szabist.pk
DEFAULT DIRECTORY (BSSE22801...
All services > SimpleWinVM
SimpleWinVM | Connect
Virtual machine
Windows Security
Enter your credentials
These credentials will be used to connect to 98.70.33.50.
azureuser
Remember me
More choices
OK
Cancel
Search
Overview
Activity log
Access control (IAM)
Tags
Diagnose and solve problems
Resource visualizer
Connect
Connect
Bastion
Windows Admin Center
Networking
Source machine O
Source IP address
Destination VM
VM IP address
VM port
Connection prere
VM access
Check access
Connect using RDP file
Download and open file to connect
Download RDP file
Username
azureuser
Forgot password? Reset password


Microsoft Azure
Search resources, services, a
bsse2280149@szabist.pk
DEFAULT DIRECTORY (BSSE22801...
All services > SimpleWinVM
SimpleWinVM | Connect
Virtual machine
Remote Desktop Connection
The identity of the remote computer cannot be verified. Do you want to connect anyway?
The remote computer could not be authenticated due to problems with its security certificate. It may be unsafe to proceed.
Certificate name
Name in the certificate from the remote computer:
SimpleWinVM
Certificate errors
The following errors were encountered while validating the remote computer's certificate:
The certificate is not from a trusted certifying authority.
Do you want to connect despite these certificate errors?
Don't ask me again for connections to this computer
View certificate...
Yes
No
Search
Overview
Activity log
Access control (IAM)
Tags
Diagnose and solve problems
Resource visualizer
Connect
Connect
Bastion
Windows Admin Center
Networking
Native RDP
POPULAR
LOCAL MACHINE
Source machine
Source machine OS
Source IP address
VPN?
Destination VM
VM IP address
VM port
Connection prerequis
VM access
Check access
Connect using RDP file
Download and open file to connect
Download RDP file
Username
azureuser
Forgot password? Reset password
Add or remove favorites by pressing Ctrl+Shift+F


SIMPLEWINVM - 4.240.100.118:3389 - Remote Desktop Connection
Recycle Bin
Microsoft Edge


Search - Microsoft Bing
https://www.bing.com
Microsoft Bing
Copilot
Images
Videos
Shopping
Maps
News
Sign in
Rewards
Languages: हिंदी বাংলা اردو ਪੰਜਾਬੀ मराठी తెలుగు தமிழ் ಕನ್ನಡ ગુજરાતી മലയാളം ଓଡ଼ିଆ
Mind the gap—this one opens
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Child actor Deva Nandha slams Prakash Raj after he...
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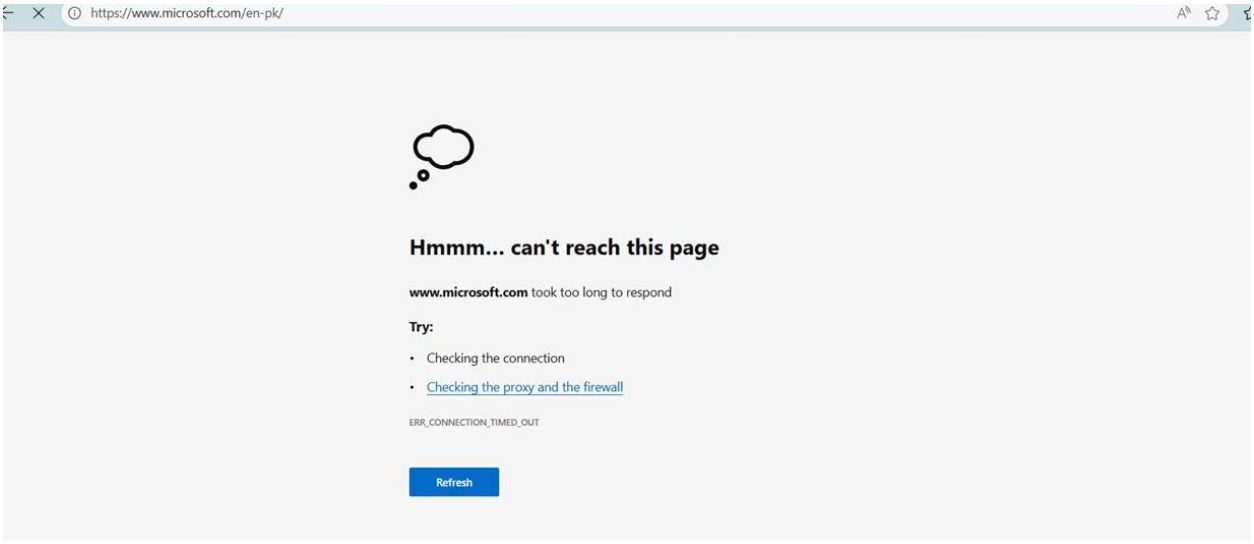
https://www.microsoft.com/en-pk/
Hmmm... can't reach this page
www.microsoft.com took too long to respond
Try:
Checking the connection
Checking the proxy and the firewall
ERR_CONNECTION_TIMED_OUT
Refresh