Intro to Devops

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Lab-6-Module-WorkLoad(Secure Network Traffic)

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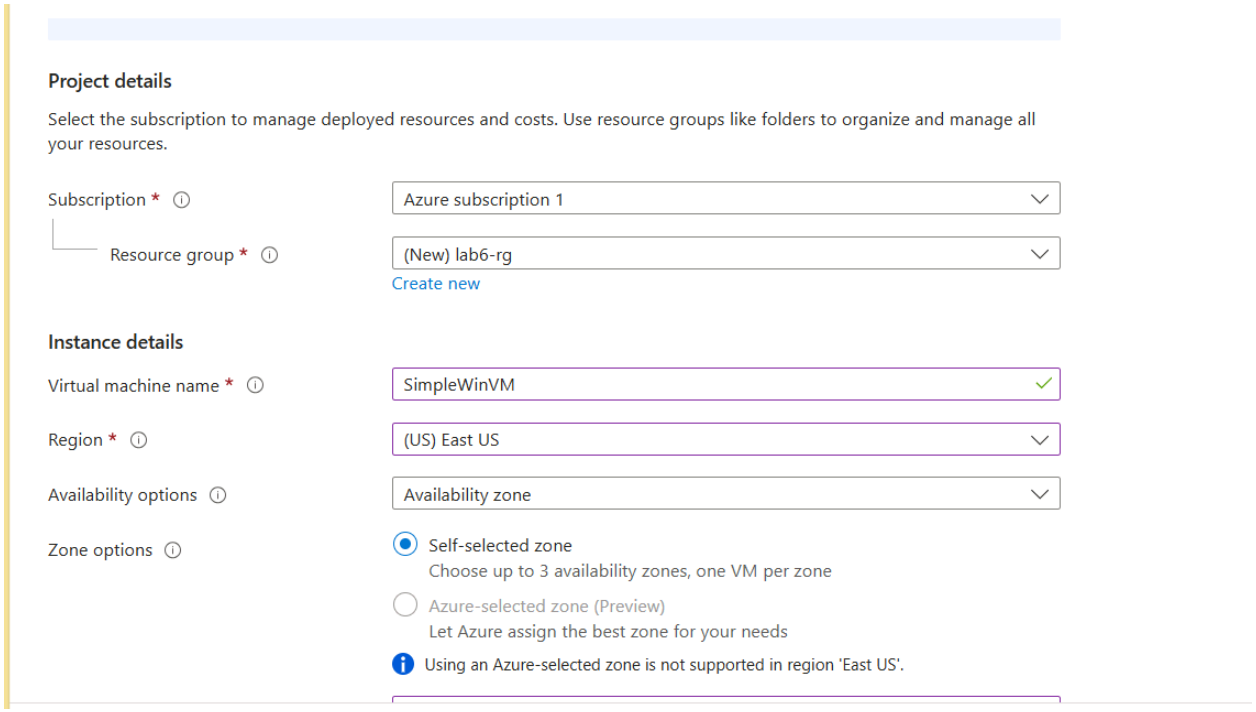
Task 1: Creating a virtual machine



Run with Azure Spot discount ⓘ ☐

You are in the free trial period. Costs associated with this VM can be covered by any remaining credits on your subscription.
Learn more

Size * ⓘ — Standard_D2s_v3 - 2 vcpus, 8 GiB memory ($137.24/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

Help me create a low cost VM | Help me create a VM optimized for high availability | Help me choose the right VI

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, a network interface will be created for you.

Virtual network * ⓘ — (new) SimpleWinVM-vnet
Create new

Subnet * ⓘ — (new) default (10.0.0.0/24)

Public IP ⓘ
Create new

NIC network security group ⓘ
- (●) None
- ( ) Basic
- ( ) Advanced

⚠ All ports on this virtual machine may be exposed to the public internet. This is a security risk. Use a network security group to limit public access to specific ports. You can also select a subnet that already has network security groups defined or remove the public IP address.

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 ⓘ ☐

Health

Enable application health monitoring ⓘ ☐

Home >

CreateVm-MicrosoftWindowsServer.WindowsServer-201-20250408131540 | Overview

Deployment

Search

- Overview
- Inputs
- Outputs
- Template

Delete | Cancel | Redeploy | Download | Refresh

Your deployment is complete

Deployment name: CreateVm-MicrosoftWindowsServer.WindowsSe...
Subscription: Azure subscription 1
Resource group: lab6-rg

Start time: 4/8/2025, 1:18:44 PM
Correlation ID: 46869c07-d708-47b5-b1d0-ebb437b1b252

Deployment details

Next steps

Setup auto-shutdown Recommended

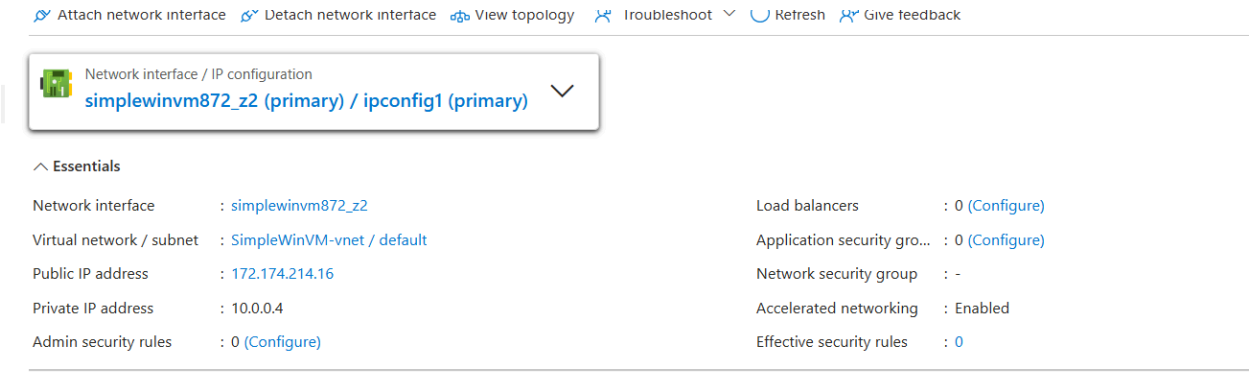
Monitor VM health, performance and network dependencies Recommended

Run a script inside the virtual machine Recommended

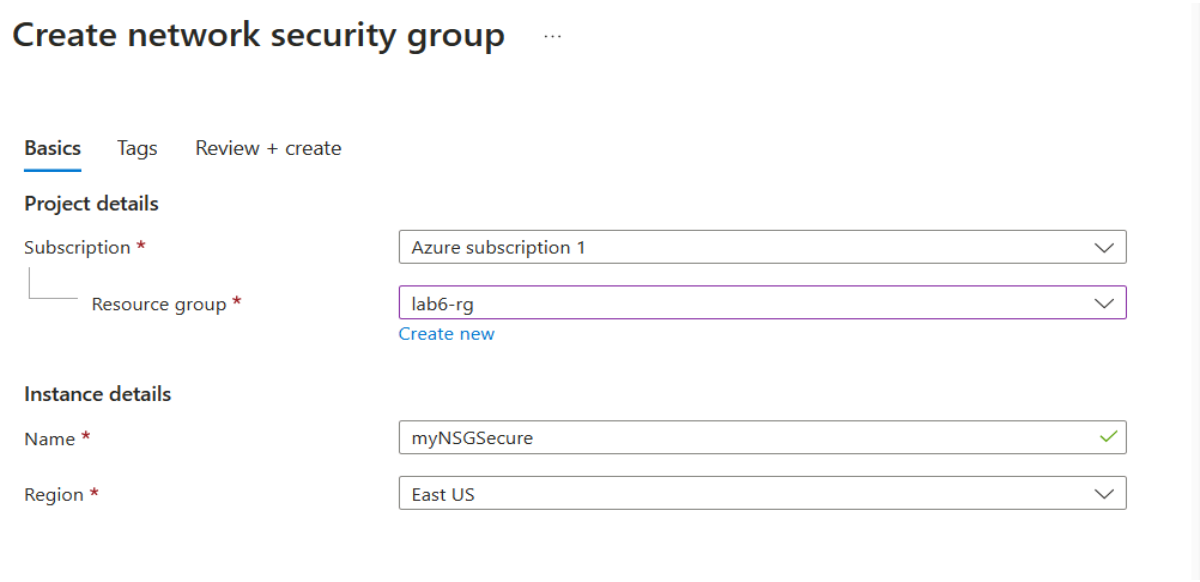
Go to resource | Create another VM

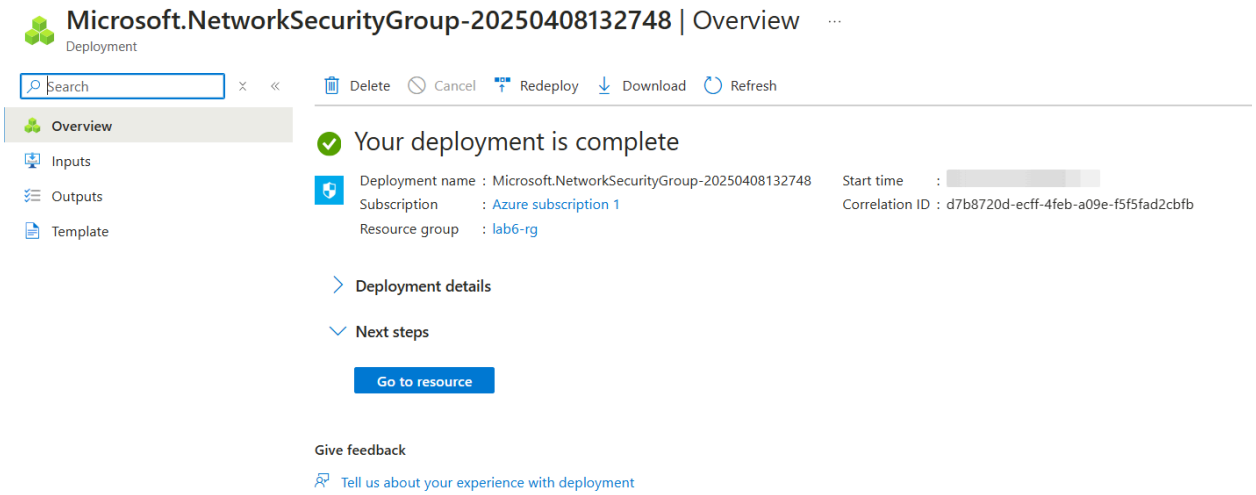
Give feedback

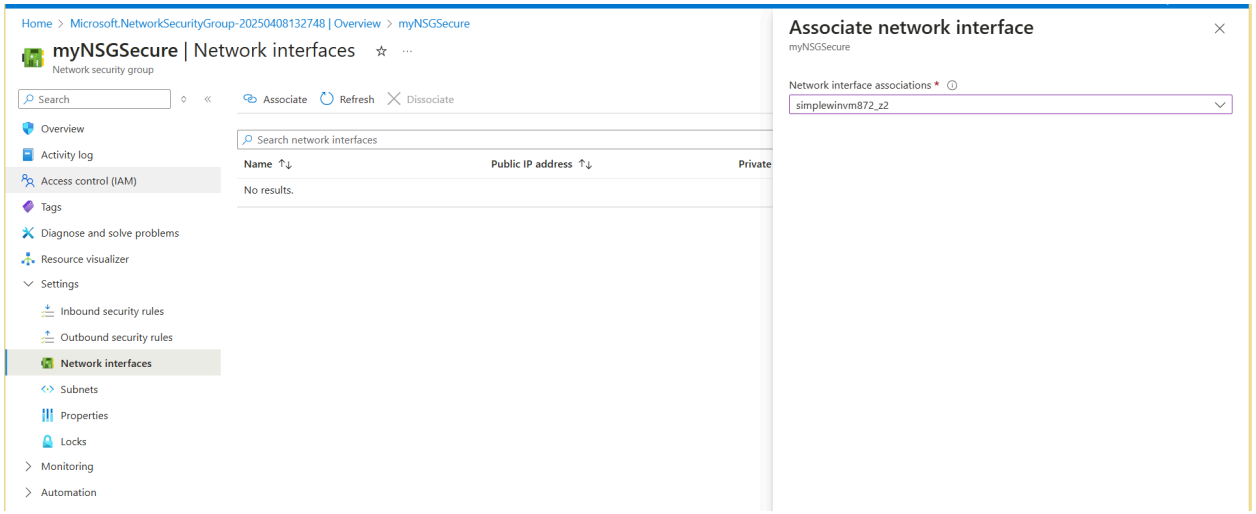
Tell us about your experience with deployment



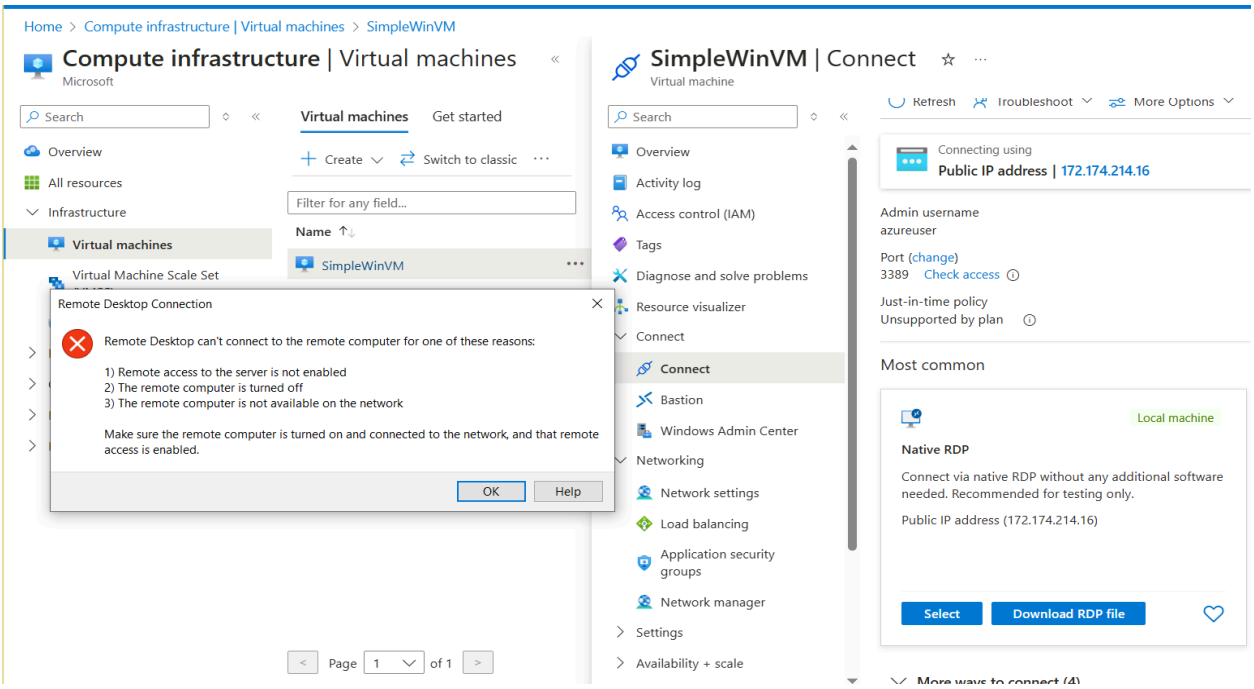
Task 2: Creating a network security group

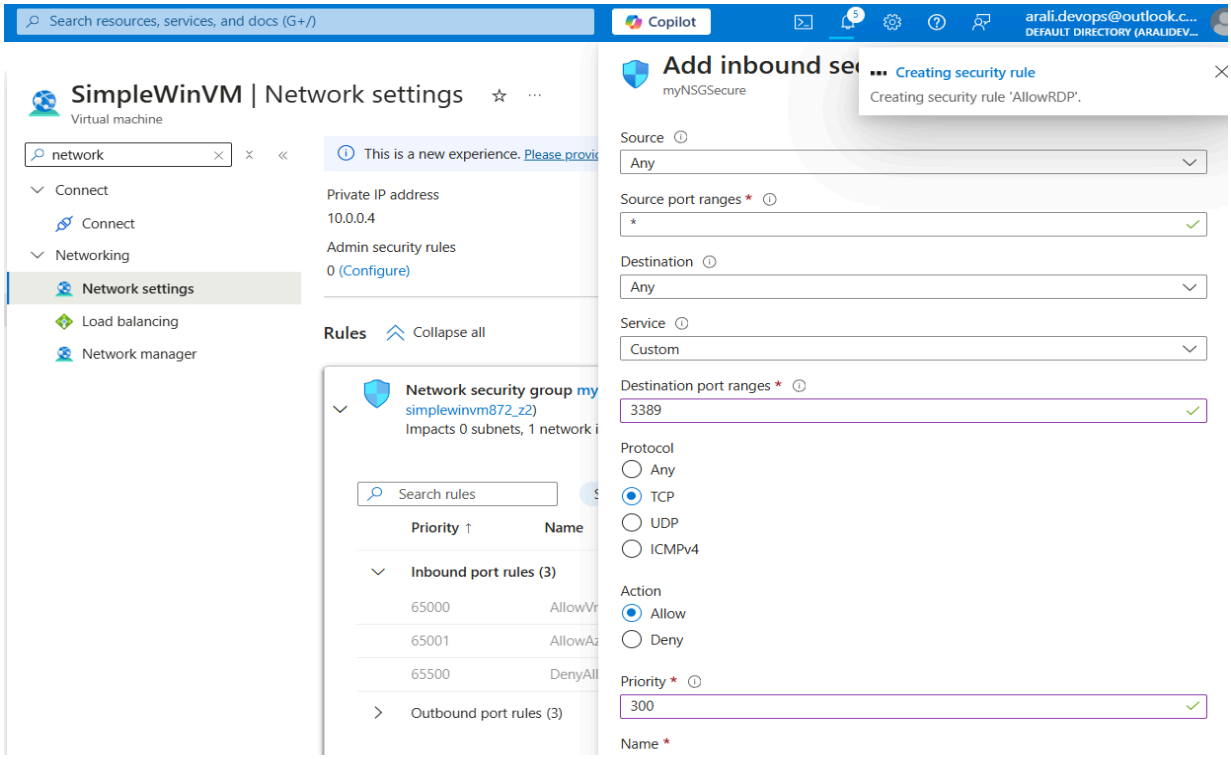


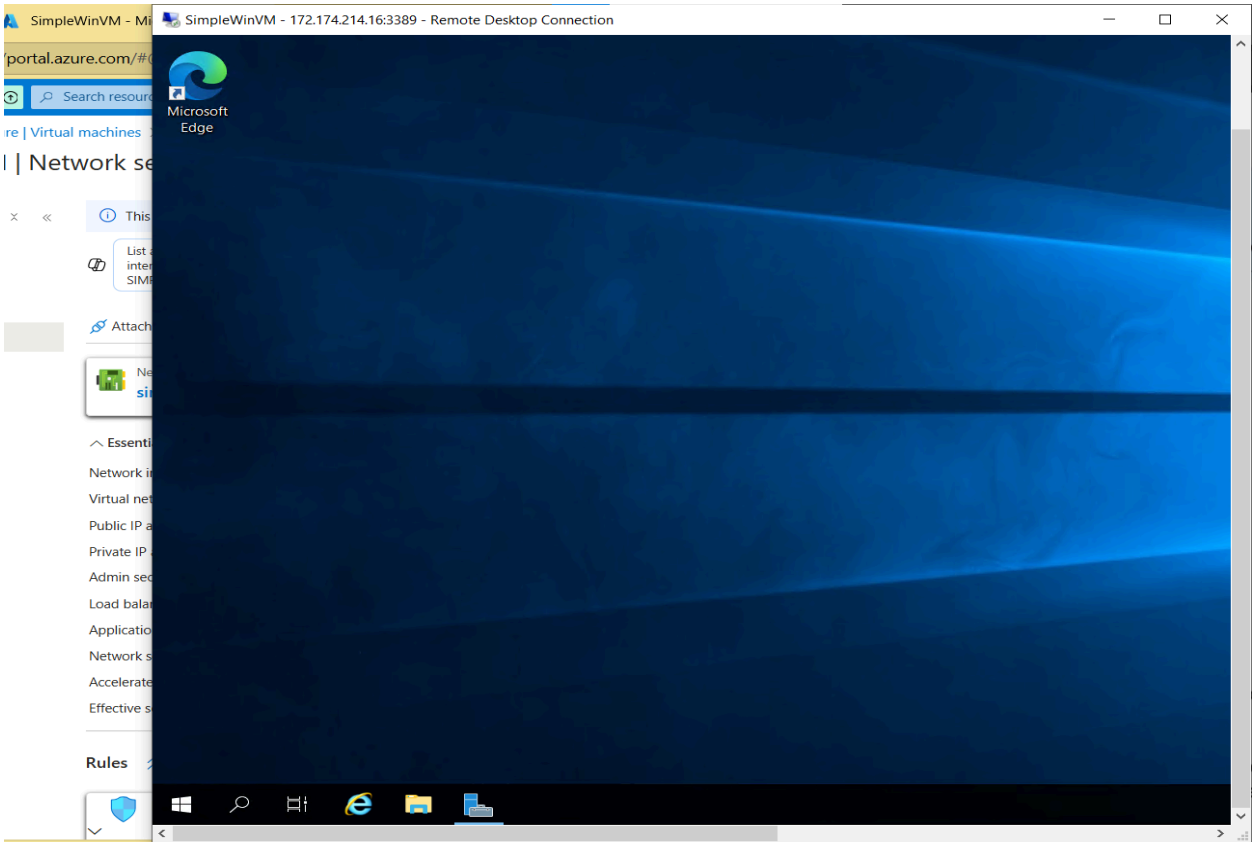

Microsoft.NetworkSecurityGroup-20250408132748 | Overview
Deployment
Search
Overview
Inputs
Outputs
Template
Delete
Cancel
Redeploy
Download
Refresh
Your deployment is complete
Deployment name : Microsoft.NetworkSecurityGroup-20250408132748
Subscription : Azure subscription 1
Resource group : lab6-rg
Start time :
Correlation ID : d7b8720d-ecff-4feb-a09e-f5f5fad2cbfb
Deployment details
Next steps
Go to resource
Give feedback
Tell us about your experience with deployment


Home > Microsoft.NetworkSecurityGroup-20250408132748 | Overview > myNSGSecure
myNSGSecure | Network interfaces
Network security group
Search
Overview
Activity log
Access control (IAM)
Tags
Diagnose and solve problems
Resource visualizer
Settings
Inbound security rules
Outbound security rules
Network interfaces
Subnets
Properties
Locks
Monitoring
Automation
Associate
Refresh
Dissociate
Search network interfaces
Name
Public IP address
Private
No results.
Associate network interface
myNSGSecure
Network interface associations *
simplewinvm872_z2

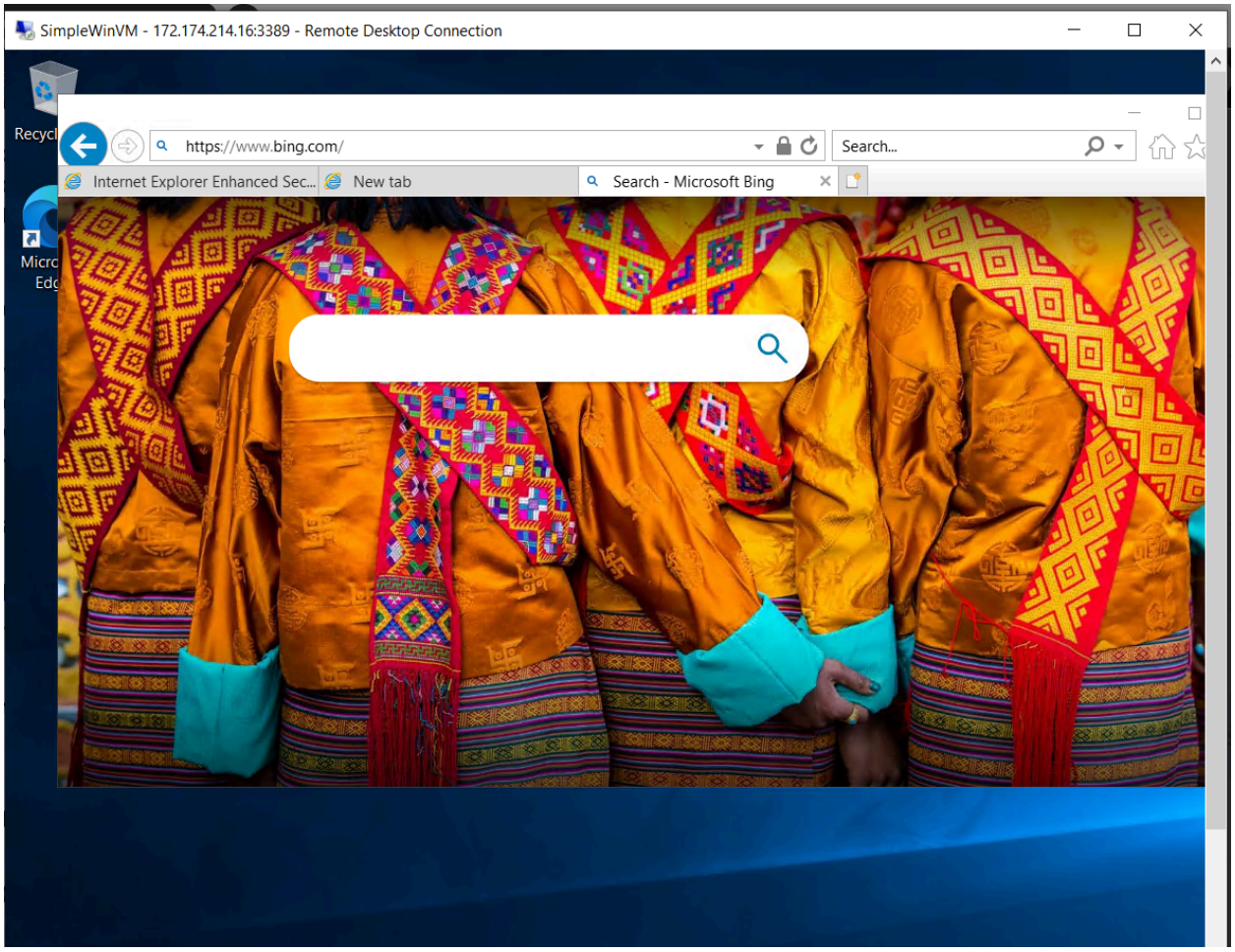
Task 3: Configure an inbound security port rule to allow RDP

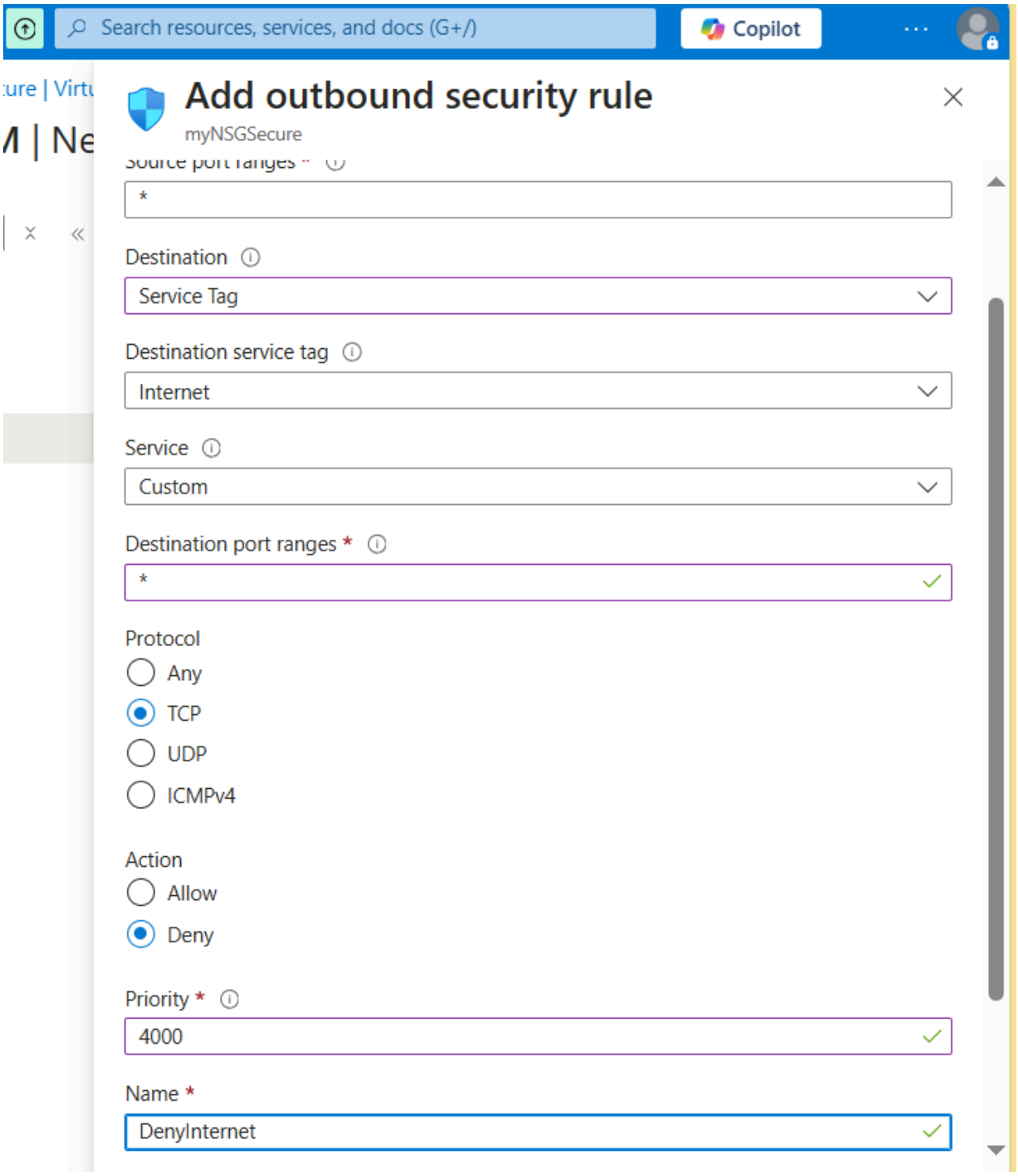
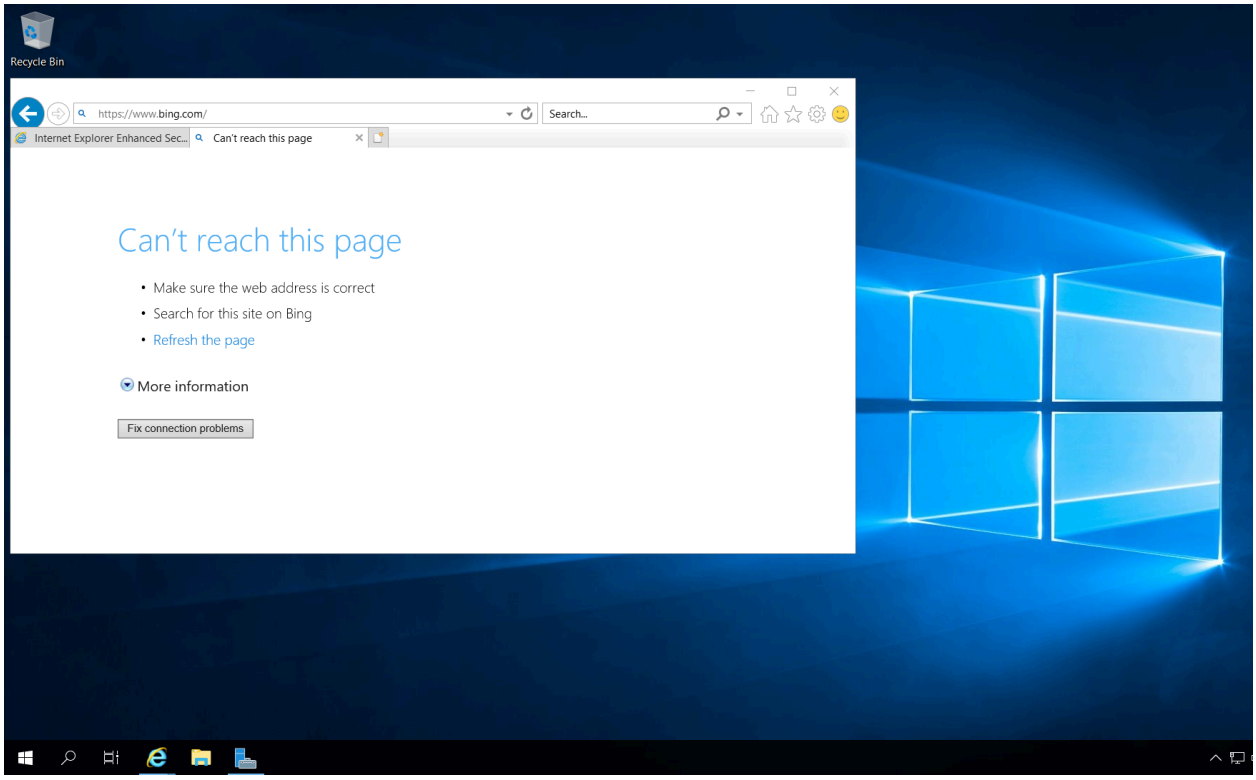





SimpleWinVM - 172.174.214.16:3389 - Remote Desktop Connection
Microsoft Edge
Rules

Task 4: Configure an outbound security port rule to deny Internet access




Search resources, services, and docs (G+/)
Copilot
Add outbound security rule
myNSGSecure
*
Destination
Service Tag
Destination service tag
Internet
Service
Custom
Destination port ranges *
*
Protocol
Any
TCP
UDP
ICMPv4
Action
Allow
Deny
Priority *
4000
Name *
DenyInternet

Verifying Outbound Security Rule