IT4090

Cloud Computing

4th Year, 2nd Semester

Azure Lab 4

Submitted to

Sri Lanka Institute of Information Technology

IT21510380

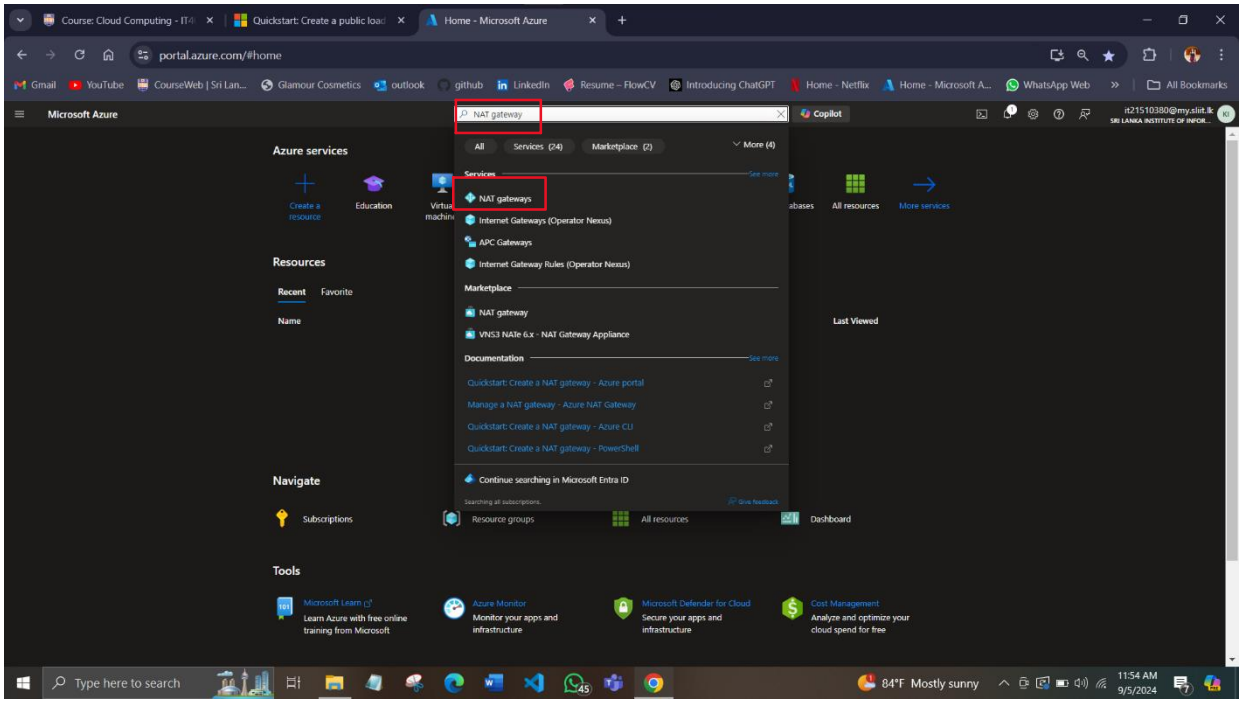
In partial fulfillment of the requirements for the

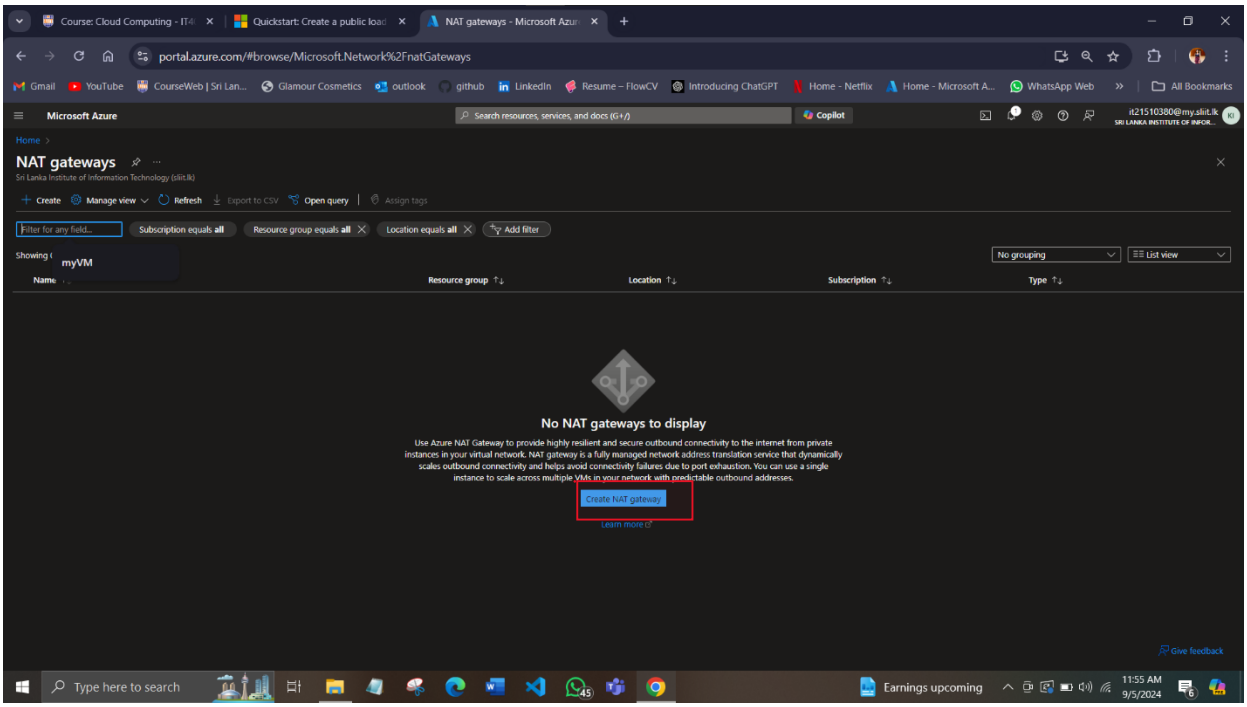
Bachelor of Science Special Honors Degree in Information Technology

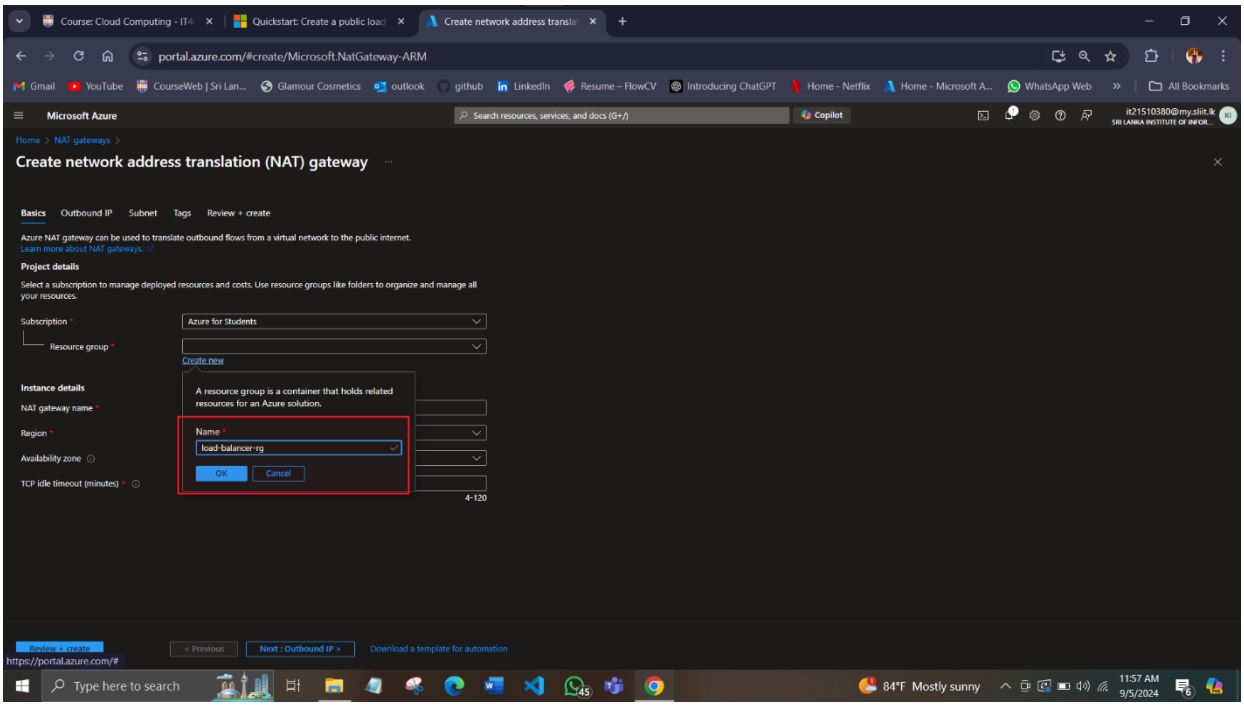
September 2024

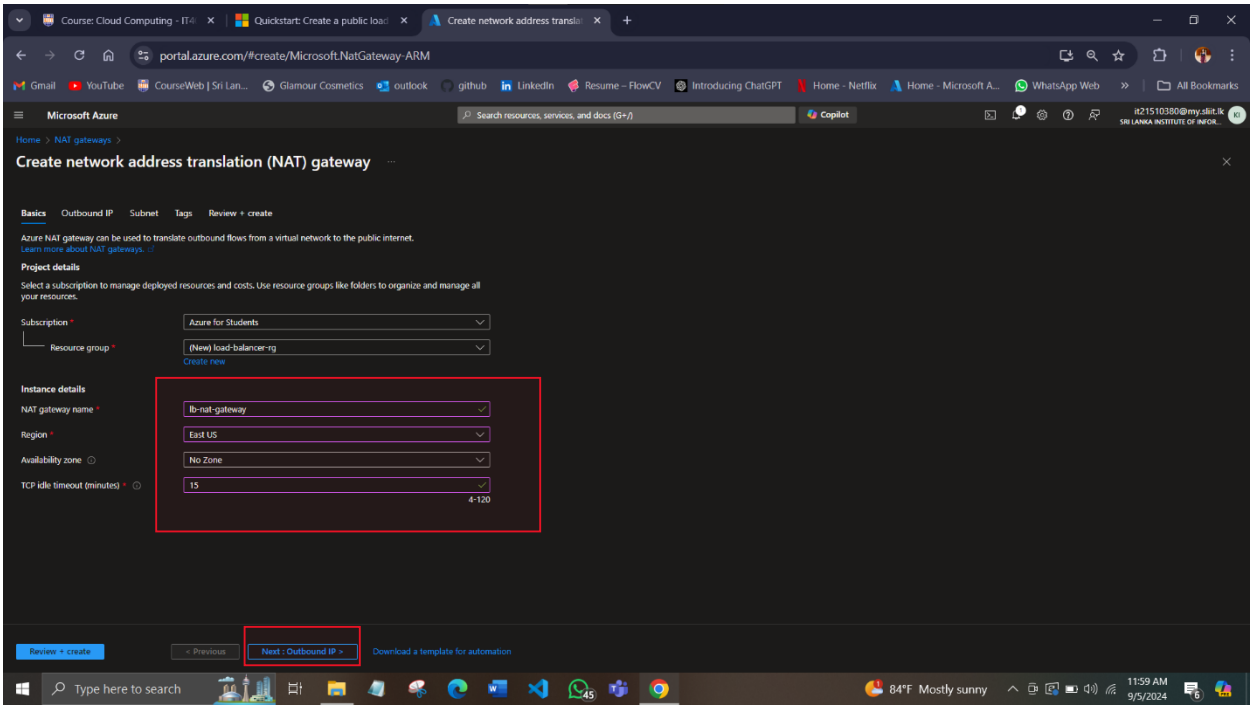
Create NAT gateway

1. In this section, you create a NAT gateway for outbound internet access for resources in the virtual network. For other options for outbound rules, check out Network Address Translation (SNAT) for outbound connections
2. Sign in to the Azure portal.
3. In the search box at the top of the portal, enter NAT gateway. Select NAT gateways in the search results.
4. Select + Create.
5. In the Basics tab of the Create network address translation (NAT) gateway enter or select the following information:






Course: Cloud Computing - IT4
Quickstart: Create a public load
Create network address translat
portal.azure.com/#create/Microsoft.NatGateway-ARM
Microsoft Azure
Search resources, services, and docs (G+/)
Copilot
Home > NAT gateways >
Create network address translation (NAT) gateway
Basics
Outbound IP
Subnet
Tags
Review + create
Azure NAT gateway can be used to translate outbound flows from a virtual network to the public internet.
Learn more about NAT gateways.
Project details
Select a 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 *
Create new
Instance details
NAT gateway name *
Region *
Availability zone
TCP idle timeout (minutes) *
A resource group is a container that holds related resources for an Azure solution.
Name *
load-balancer-rg
OK
Cancel
4-120
Review + create
< Previous
Next : Outbound IP >
Download a template for automation
https://portal.azure.com/#
Type here to search
84°F Mostly sunny
11:57 AM
9/5/2024


Course: Cloud Computing - IT4
Quickstart: Create a public load
Create network address translat
portal.azure.com/#create/Microsoft.NatGateway-ARM
Microsoft Azure
Search resources, services, and docs (G+/)
Copilot
Home > NAT gateways >
Create network address translation (NAT) gateway
Basics
Outbound IP
Subnet
Tags
Review + create
Azure NAT gateway can be used to translate outbound flows from a virtual network to the public internet.
Learn more about NAT gateways.
Project details
Select a 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 *
(New) load-balancer-rg
Create new
Instance details
NAT gateway name *
lb-nat-gateway
Region *
East US
Availability zone
No Zone
TCP idle timeout (minutes) *
15
4-120
Review + create
< Previous
Next : Outbound IP >
Download a template for automation
Type here to search
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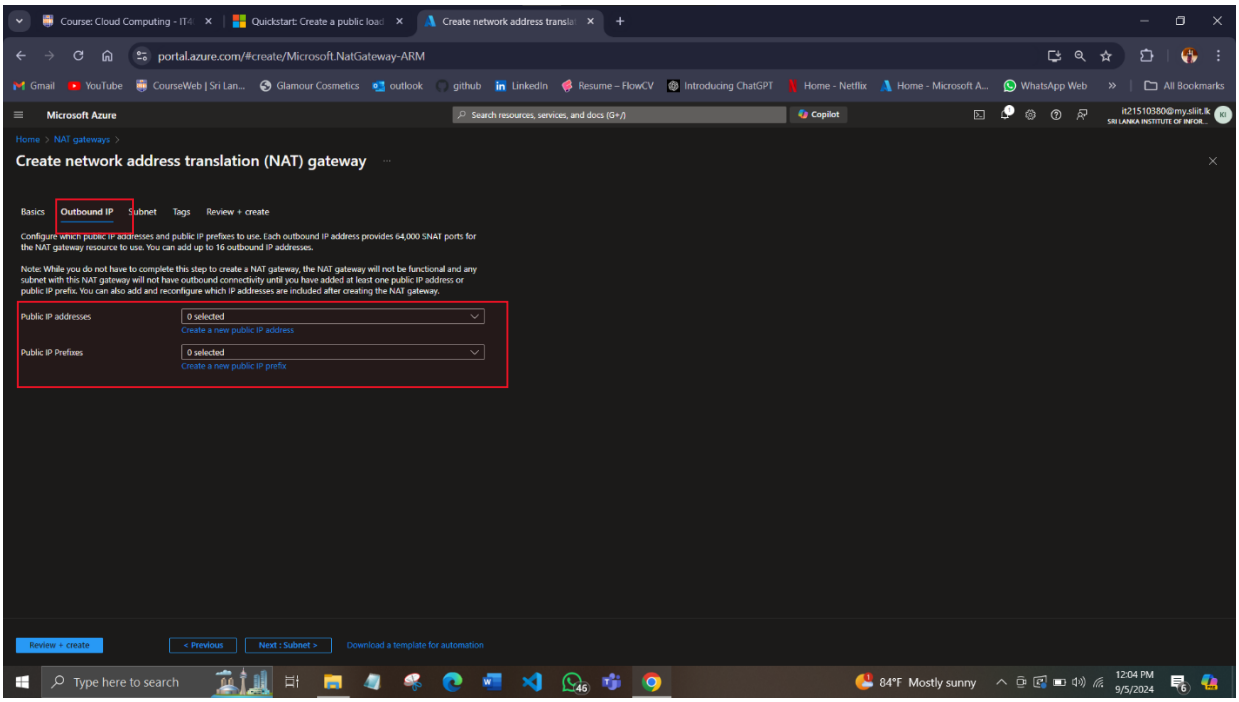
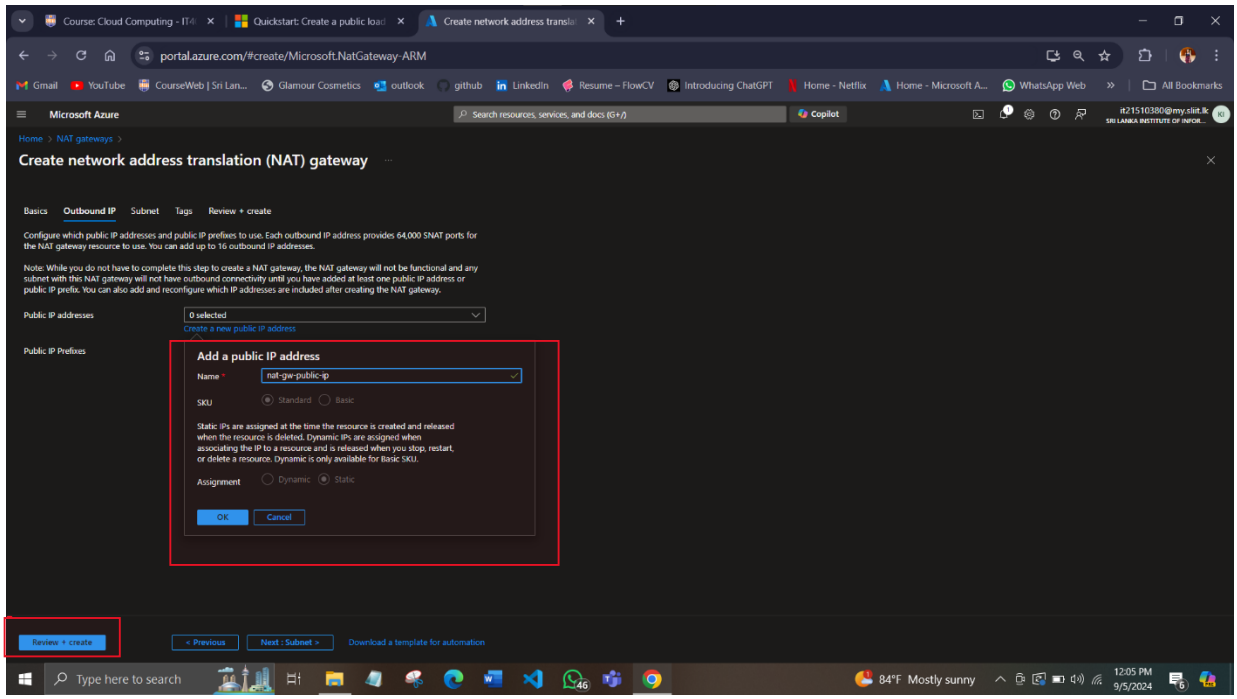
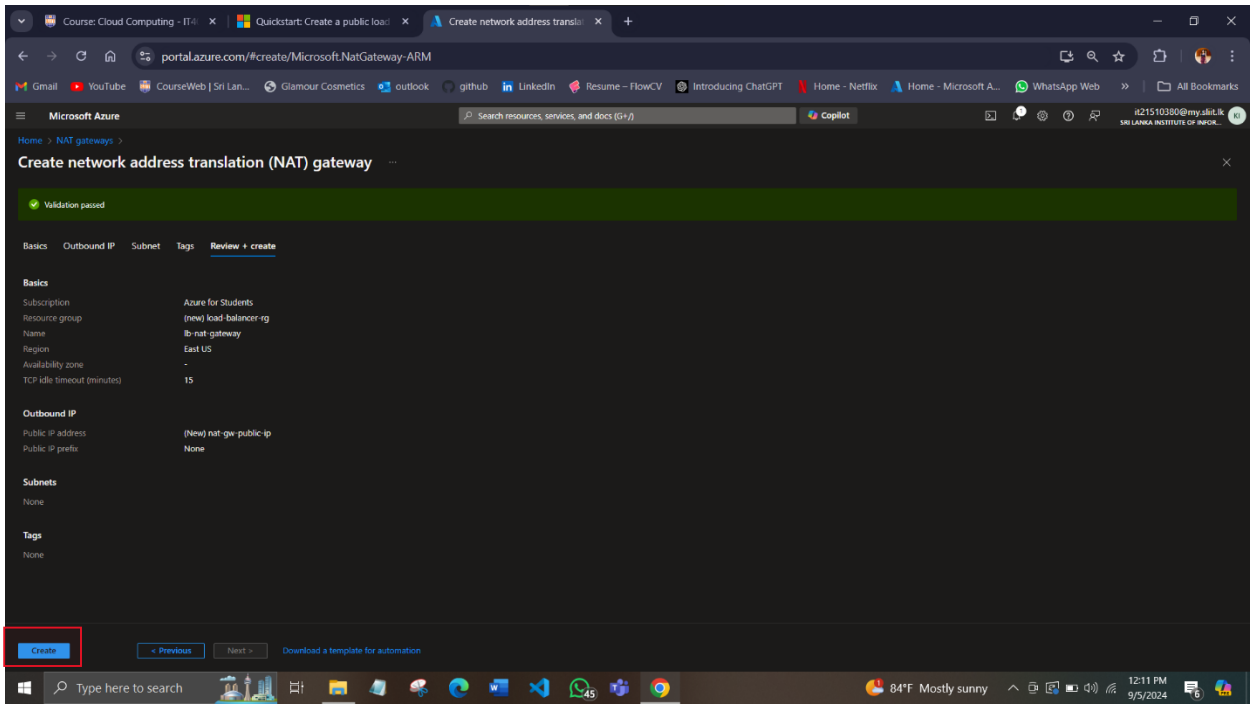
6. Select the Outbound IP tab or select the Next: Outbound IP button at the bottom of the page.
7. Select Create a new public IP address under Public IP addresses.
8. Enter nat-gw-public-ip in Name in Add a public IP address.
9. Select OK.
10. Select the blue Review + Create button at the bottom of the page, or select the Review + Create tab.
11. Select Create.






Course: Cloud Computing - IT4
Quickstart: Create a public load
Create network address transla
portal.azure.com/#create/Microsoft.NatGateway-ARM
Microsoft Azure
Search resources, services, and docs (G+/)
Copilot
Home > NAT gateways >
Create network address translation (NAT) gateway
Validation passed
Basics
Outbound IP
Subnet
Tags
Review + create
Basics
Subscription
Azure for Students
Resource group
(new) load-balancer-rg
Name
lb-nat-gateway
Region
East US
Availability zone
-
TCP idle timeout (minutes)
15
Outbound IP
Public IP address
(New) nat-gw-public-ip
Public IP prefix
None
Subnets
None
Tags
None
Create
< Previous
Next >
Download a template for automation
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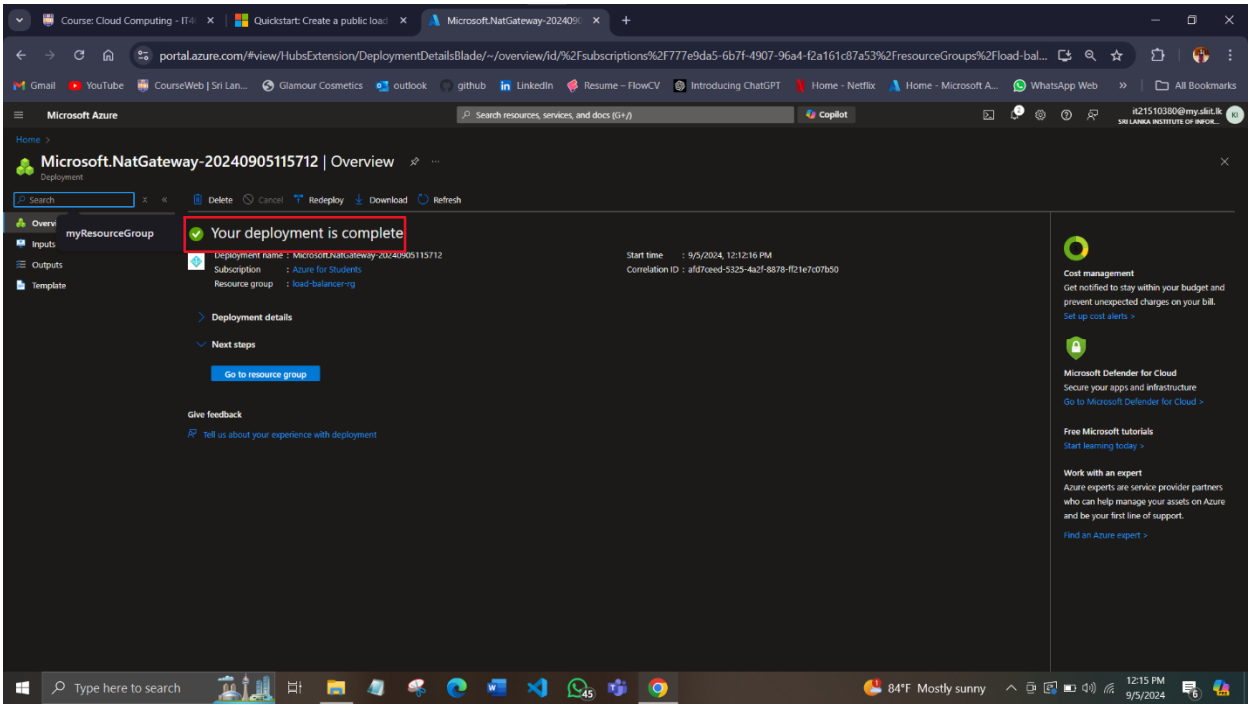
9/5/2024


Course: Cloud Computing - IT4
Quickstart: Create a public load
Microsoft.NatGateway-202409
portal.azure.com/#view/HubsExtension/DeploymentDetailsBlade/~/overview/id/%2Fsubscriptions%2F777e9da5-6b7f-4907-96a4-f2a161c87a53%2FresourceGroups%2Fload-bal...
Microsoft Azure
Search resources, services, and docs (G+/)
Copilot
Home >
Microsoft.NatGateway-20240905115712 | Overview
Deployment
Search
Delete
Cancel
Redeploy
Download
Refresh
Overv
Inputs
Outputs
Template
myResourceGroup
Your deployment is complete
Deployment name : Microsoft.NatGateway-20240905115712
Subscription : Azure for Students
Resource group : load-balancer-rg
Start time : 9/5/2024, 12:12:16 PM
Correlation ID : afd7ceed-5325-4a2f-8878-ff21e7c07b50
Deployment details
Next steps
Go to resource group
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 >
Work with an expert
Azure experts are service provider partners who can help manage your assets on Azure and be your first line of support.
Find an Azure expert >
Type here to search
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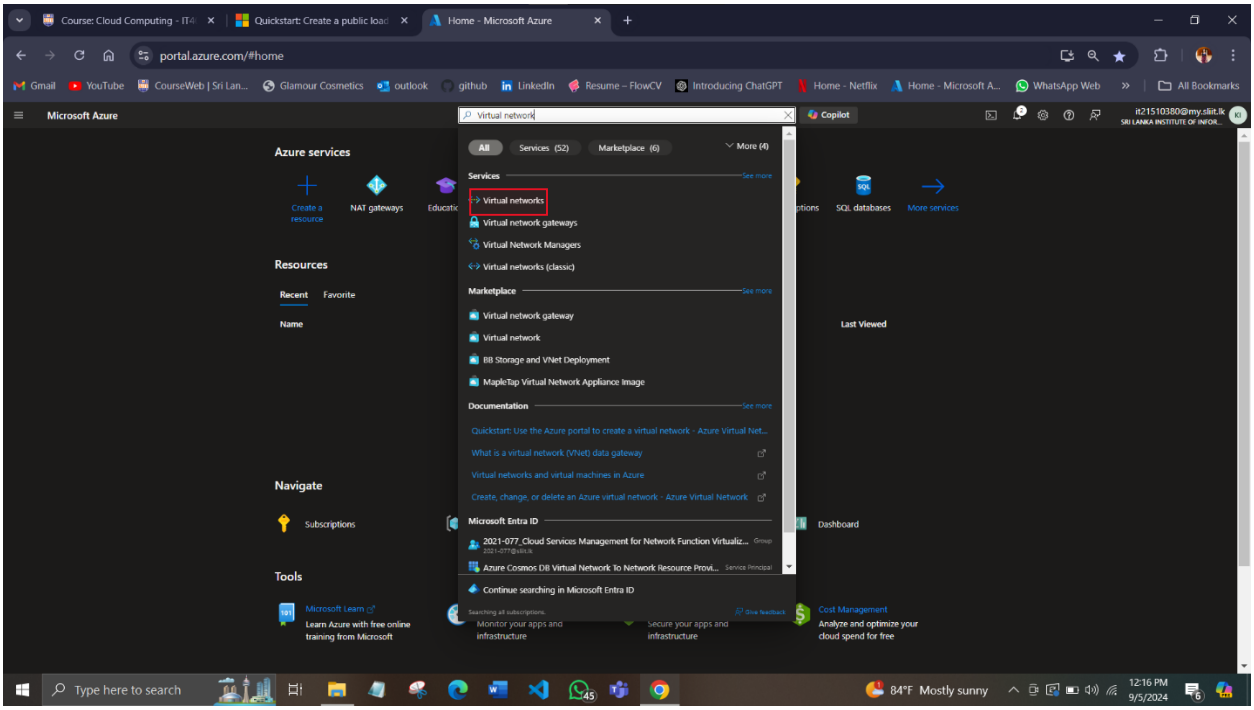
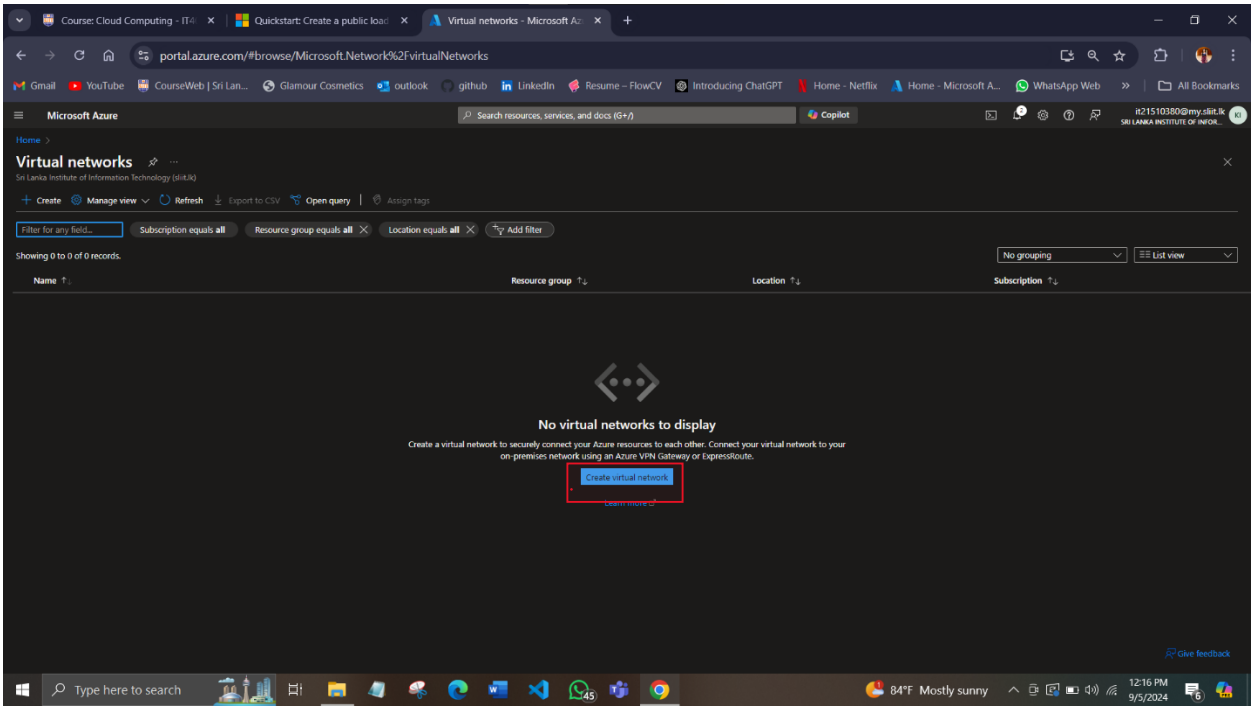
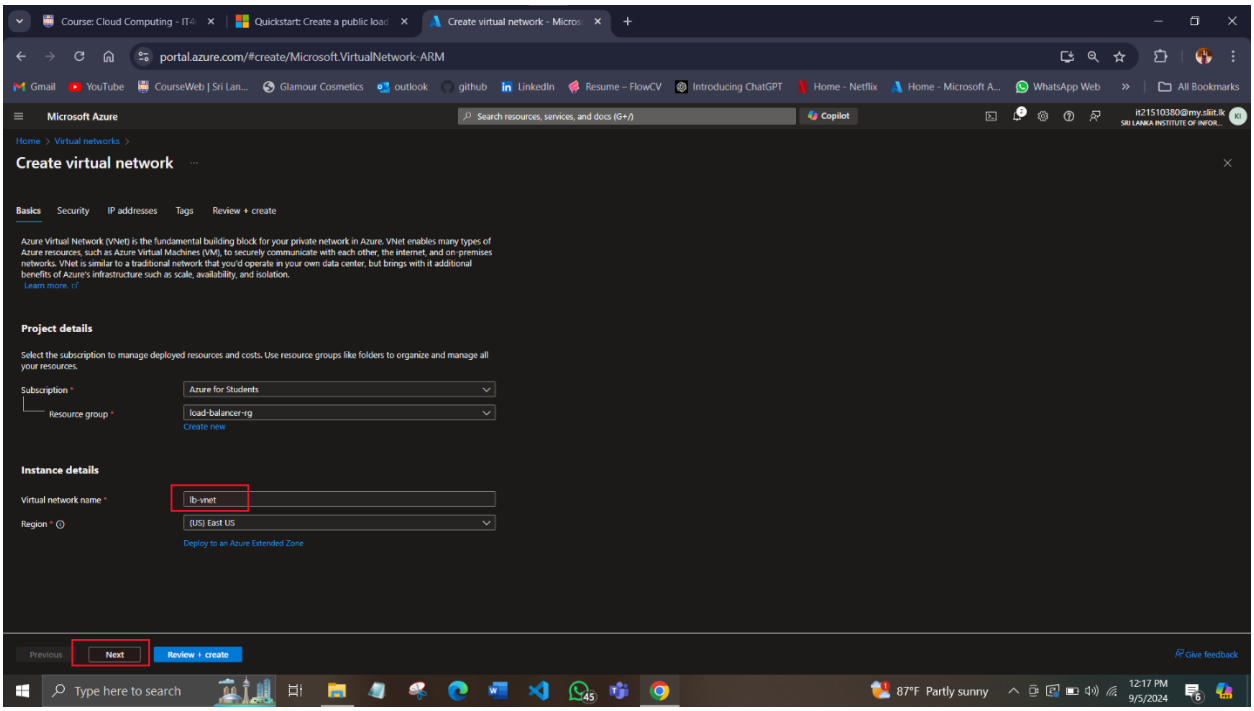
Create a virtual network and bastion host

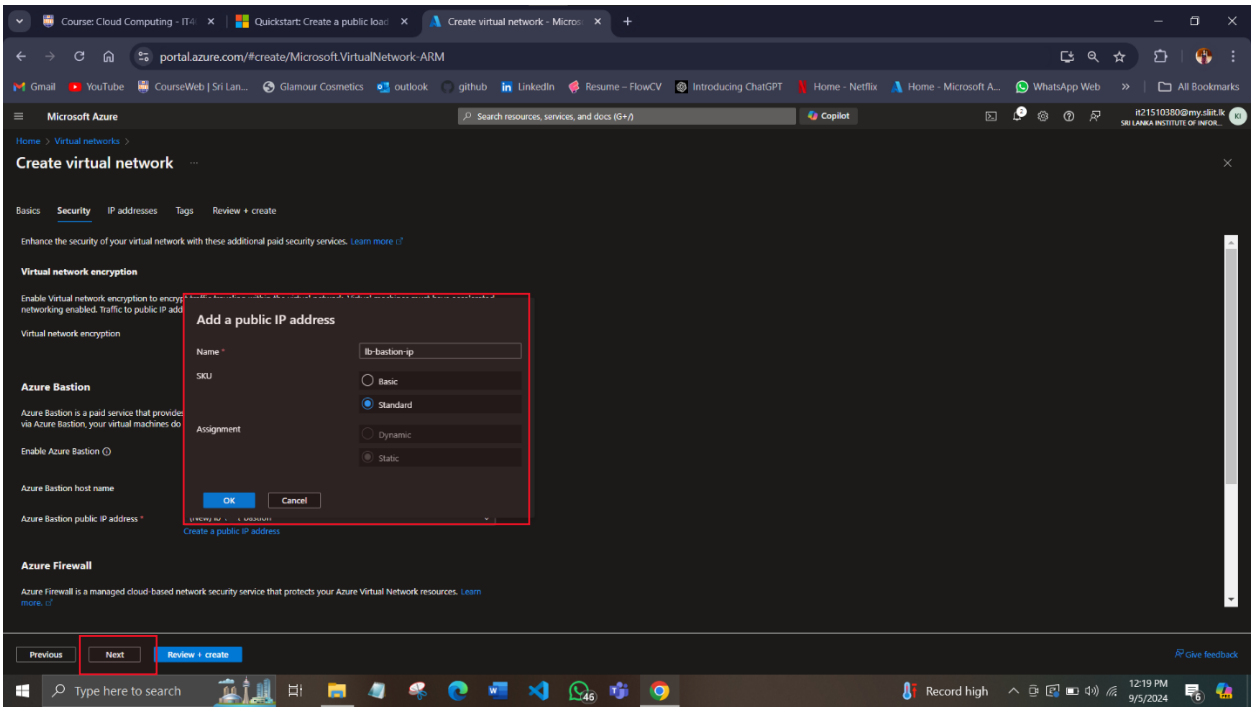
1 In the portal, search for and select Virtual Networks.
1. On the Virtual Networks page, select + Create.
2. On the Basics tab of Create Virtual Network, enter or select the following information:
3. Select the Security tab or Next button at the bottom of the page.
4. Under Azure Bastion, enter or select the following information:
5. Select the Security tab or Next button at the bottom of the page.
6. Under Azure Bastion, enter or select the following information:
7. Select the Security tab or Next button at the bottom of the page.

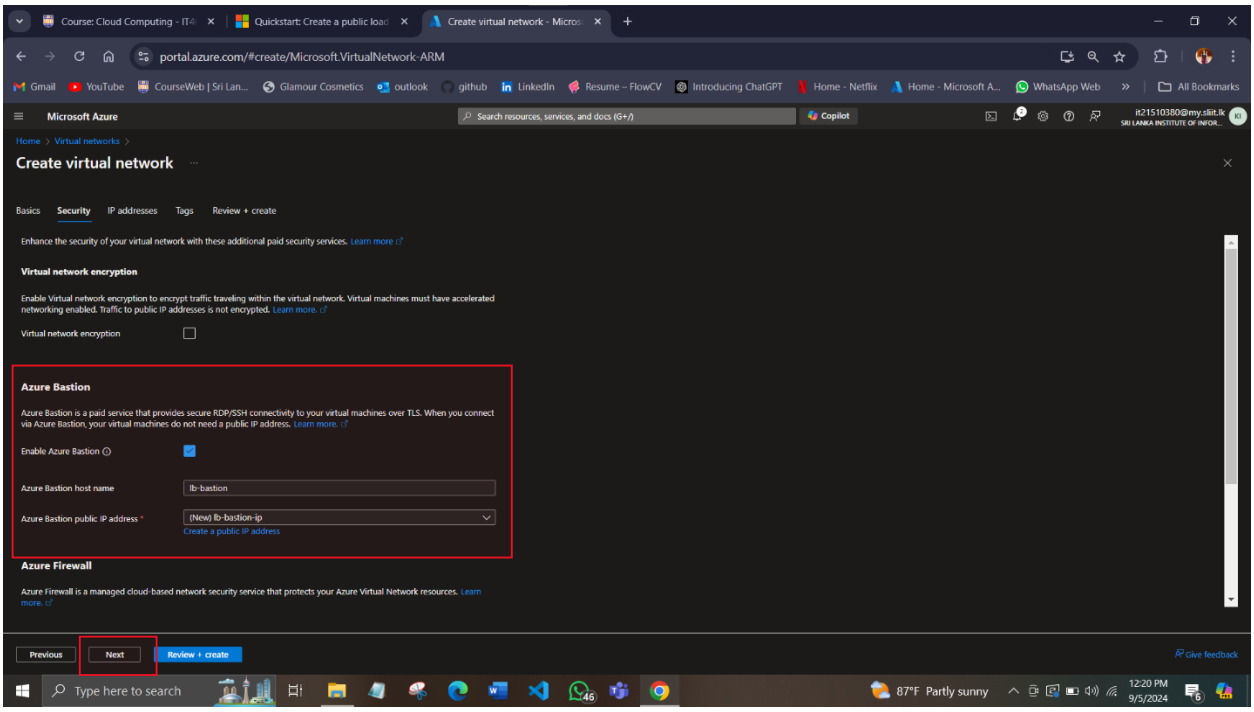
Under Azure Bastion, enter or select the following information:

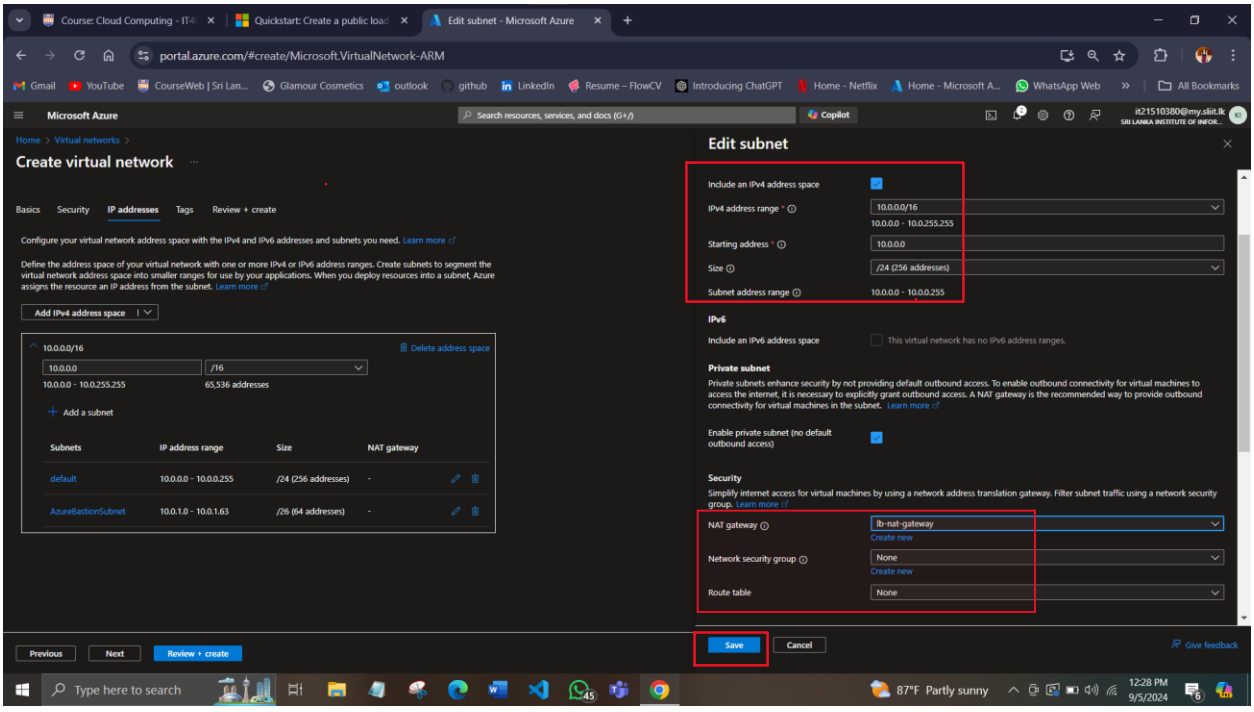


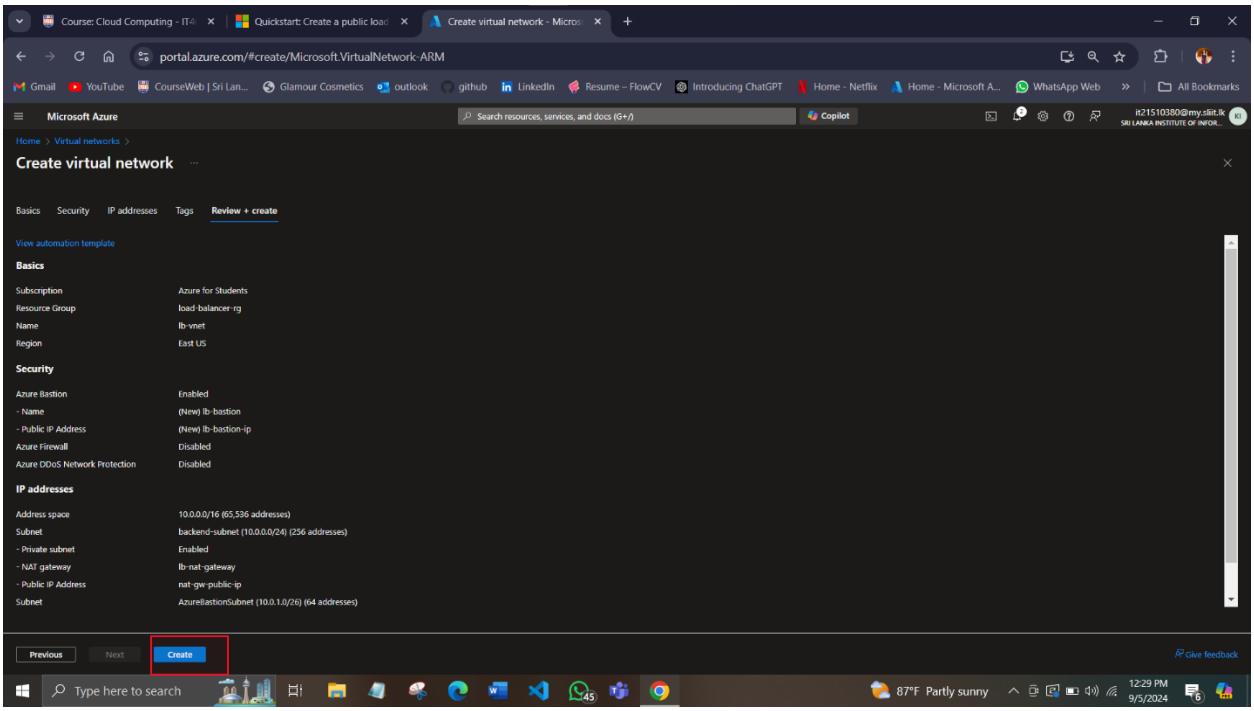



Course: Cloud Computing - IT4
Quickstart: Create a public load
Create virtual network - Micros
portal.azure.com/#create/Microsoft.VirtualNetwork-ARM
Microsoft Azure
Search resources, services, and docs (G+/)
Copilot
Home > Virtual networks >
Create virtual network
Basics Security IP addresses Tags Review + create
Azure Virtual Network (VNet) is the fundamental building block for your private network in Azure. VNet enables many types of Azure resources, such as Azure Virtual Machines (VM), to securely communicate with each other, the internet, and on-premises networks. VNet is similar to a traditional network that you'd operate in your own data center, but brings with it additional benefits of Azure's infrastructure such as scale, availability, and isolation.
Learn more.
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 *
load-balancer-rg
Create new
Instance details
Virtual network name *
lb-vnet
Region *
(US) East US
Deploy to an Azure Extended Zone
Previous
Next
Review + create
Give feedback
Type here to search
87°F Partly sunny
12:17 PM
9/5/2024


Course: Cloud Computing - IT4
Quickstart: Create a public load
Create virtual network - Micros
portal.azure.com/#create/Microsoft.VirtualNetwork-ARM
Microsoft Azure
Search resources, services, and docs (G+/)
Copilot
Home > Virtual networks >
Create virtual network
Basics Security IP addresses Tags Review + create
Enhance the security of your virtual network with these additional paid security services. Learn more
Virtual network encryption
Enable Virtual network encryption to encryp
networking enabled. Traffic to public IP add
Virtual network encryption
Azure Bastion
Azure Bastion is a paid service that provide
via Azure Bastion, your virtual machines do
Enable Azure Bastion
Azure Bastion host name
Azure Bastion public IP address *
Create a public IP address
Add a public IP address
Name *
lb-bastion-ip
SKU
Basic
Standard
Assignment
Dynamic
Static
OK
Cancel
Azure Firewall
Azure Firewall is a managed cloud-based network security service that protects your Azure Virtual Network resources. Learn more.
Previous
Next
Review + create
Give feedback
Type here to search
Record high
12:19 PM
9/5/2024


Create virtual network
Basics
Security
IP addresses
Tags
Review + create
Enhance the security of your virtual network with these additional paid security services. Learn more
Virtual network encryption
Enable Virtual network encryption to encrypt traffic traveling within the virtual network. Virtual machines must have accelerated networking enabled. Traffic to public IP addresses is not encrypted. Learn more.
Virtual network encryption
Azure Bastion
Azure Bastion is a paid service that provides secure RDP/SSH connectivity to your virtual machines over TLS. When you connect via Azure Bastion, your virtual machines do not need a public IP address. Learn more.
Enable Azure Bastion
Azure Bastion host name
lb-bastion
Azure Bastion public IP address
(New) lb-bastion-ip
Create a public IP address
Azure Firewall
Azure Firewall is a managed cloud-based network security service that protects your Azure Virtual Network resources. Learn more.
Previous
Next
Review + create
Give feedback


Create virtual network
Basics
Security
IP addresses
Tags
Review + create
Configure your virtual network address space with the IPv4 and IPv6 addresses and subnets you need. Learn more
Define the address space of your virtual network with one or more IPv4 or IPv6 address ranges. Create subnets to segment the virtual network address space into smaller ranges for use by your applications. When you deploy resources into a subnet, Azure assigns the resource an IP address from the subnet. Learn more
Add IPv4 address space
10.0.0.0/16
Delete address space
10.0.0.0
/16
10.0.0.0 - 10.0.255.255
65,536 addresses
Add a subnet
Subnets
IP address range
Size
NAT gateway
default
10.0.0.0 - 10.0.0.255
/24 (256 addresses)
AzureBastionSubnet
10.0.1.0 - 10.0.1.63
/26 (64 addresses)
Edit subnet
Include an IPv4 address space
IPv4 address range
10.0.0.0/16
10.0.0.0 - 10.0.255.255
Starting address
10.0.0.0
Size
/24 (256 addresses)
Subnet address range
10.0.0.0 - 10.0.0.255
IPv6
Include an IPv6 address space
This virtual network has no IPv6 address ranges.
Private subnet
Private subnets enhance security by not providing default outbound access. To enable outbound connectivity for virtual machines to access the internet, it is necessary to explicitly grant outbound access. A NAT gateway is the recommended way to provide outbound connectivity for virtual machines in the subnet. Learn more
Enable private subnet (no default outbound access)
Security
Simplify internet access for virtual machines by using a network address translation gateway. Filter subnet traffic using a network security group. Learn more
NAT gateway
lb-nat-gateway
Create new
Network security group
None
Create new
Route table
None
Save
Cancel
Previous
Next
Review + create
Give feedback


Course: Cloud Computing - IT4
Quickstart: Create a public load
Create virtual network - Micros
portal.azure.com/#create/Microsoft.VirtualNetwork-ARM
Microsoft Azure
Search resources, services, and docs (G+/)
Copilot
Home > Virtual networks >
Create virtual network
Basics Security IP addresses Tags Review + create
View automation template
Basics
Subscription Azure for Students
Resource Group load-balancer-rg
Name lb-vnet
Region East US
Security
Azure Bastion Enabled
- Name (New) lb-bastion
- Public IP Address (New) lb-bastion-ip
Azure Firewall Disabled
Azure DDoS Network Protection Disabled
IP addresses
Address space 10.0.0.0/16 (65,536 addresses)
Subnet backend-subnet (10.0.0.0/24) (256 addresses)
- Private subnet Enabled
- NAT gateway lb-nat-gateway
- Public IP Address nat-gw-public-ip
Subnet AzureBastionSubnet (10.0.1.0/26) (64 addresses)
Previous
Next
Create
Give feedback
Type here to search
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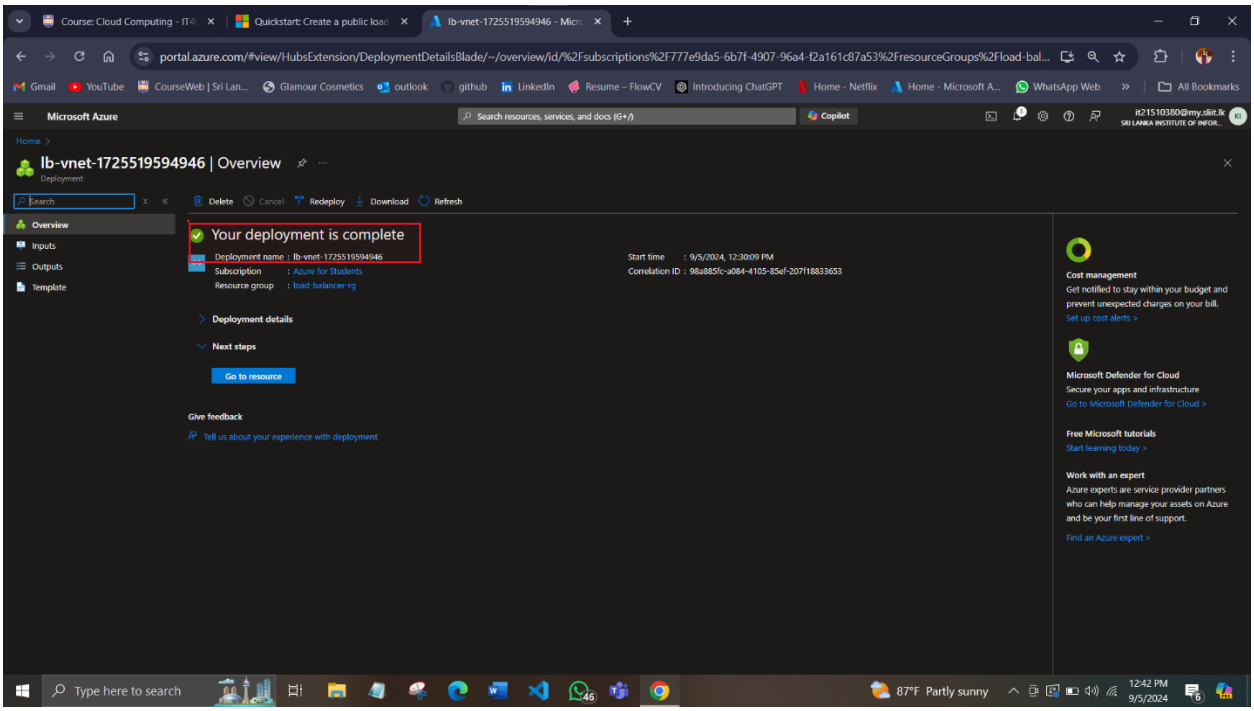
9/5/2024


Course: Cloud Computing - IT4
Quickstart: Create a public load
lb-vnet-1725519594946 - Micro
portal.azure.com/#view/HubsExtension/DeploymentDetailsBlade/~/overview/id/%2Fsubscriptions%2F777e9da5-6b7f-4907-96a4-f2a161c87a53%2FresourceGroups%2Fload-bal...
Microsoft Azure
Search resources, services, and docs (G+/)
Copilot
Home >
lb-vnet-1725519594946 | Overview
Deployment
Search
Overview
Inputs
Outputs
Template
Delete Cancel Redeploy Download Refresh
Your deployment is complete
Deployment name : lb-vnet-1725519594946
Subscription : Azure for Students
Resource group : load-balancer-rg
Start time : 9/5/2024, 12:30:09 PM
Correlation ID : 98a885fc-a084-4105-85ef-207f18833653
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 >
Work with an expert
Azure experts are service provider partners who can help manage your assets on Azure and be your first line of support.
Find an Azure expert >
Type here to search
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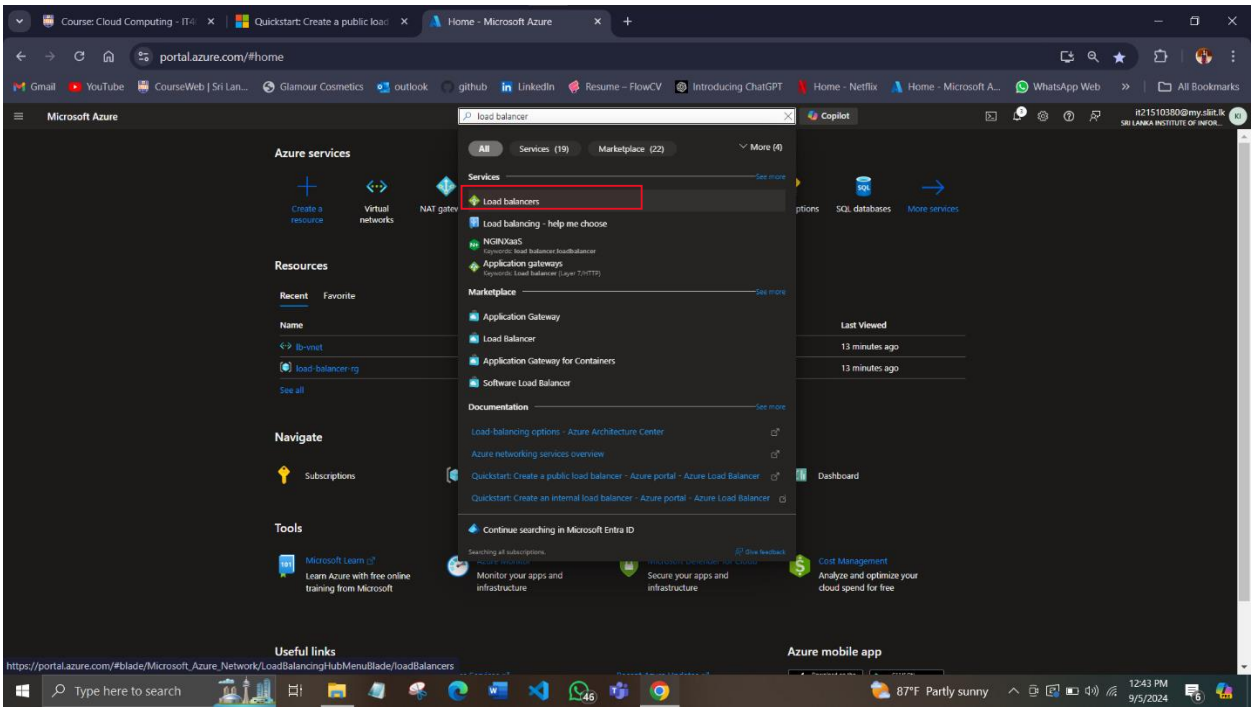
9/5/2024

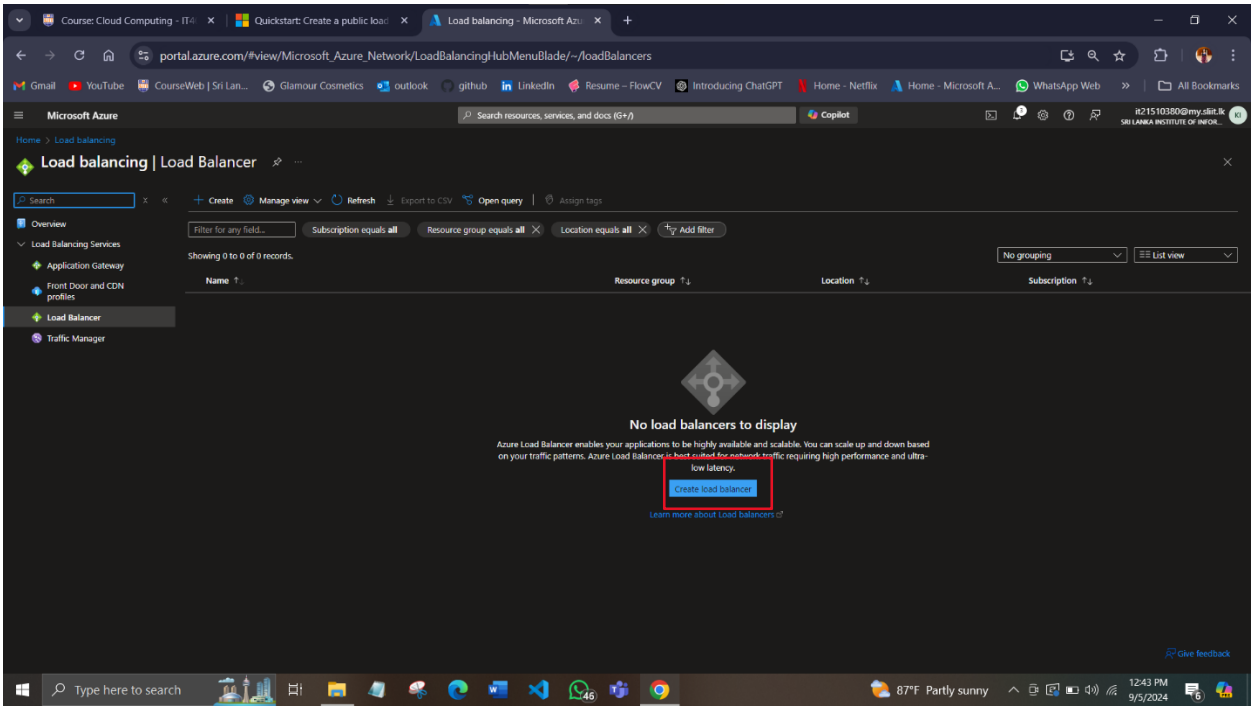
Create load balancer

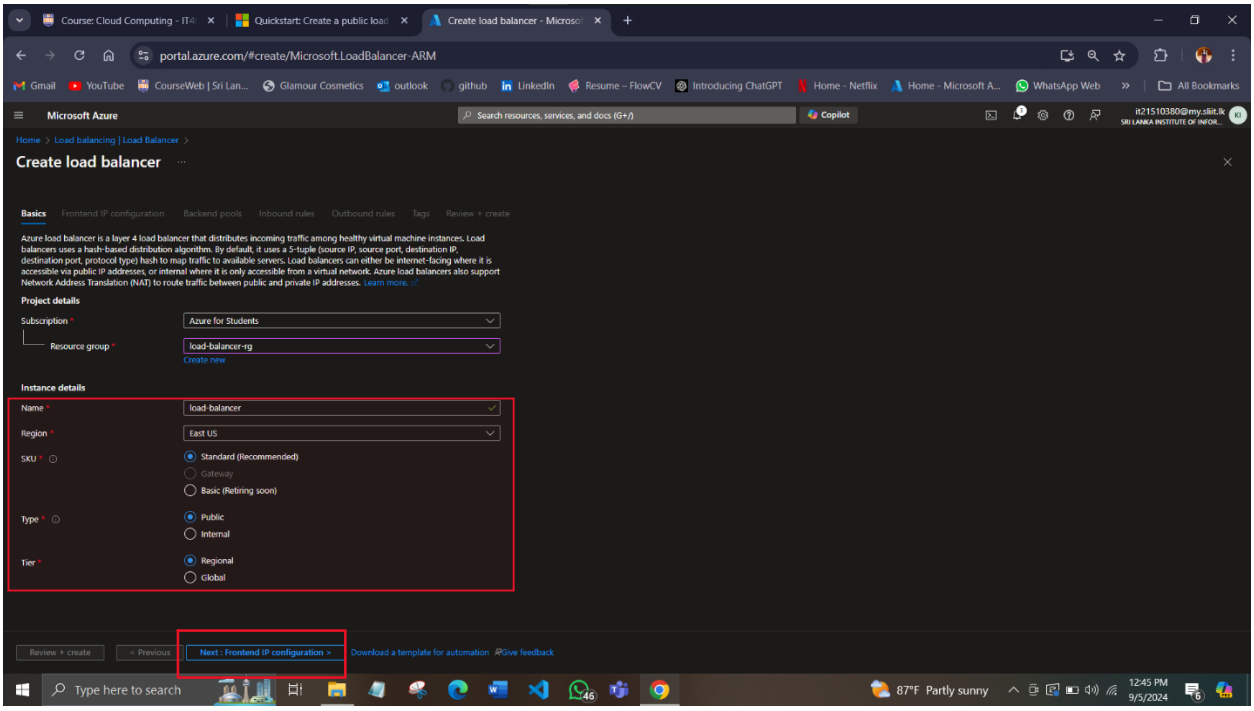
1. In the search box at the top of the portal, enter Load balancer. Select Load balancers in the search results.

2. In the Load balancer page, select + Create.

3. In the Basics tab of the Create load balancer page, enter or select the following information:

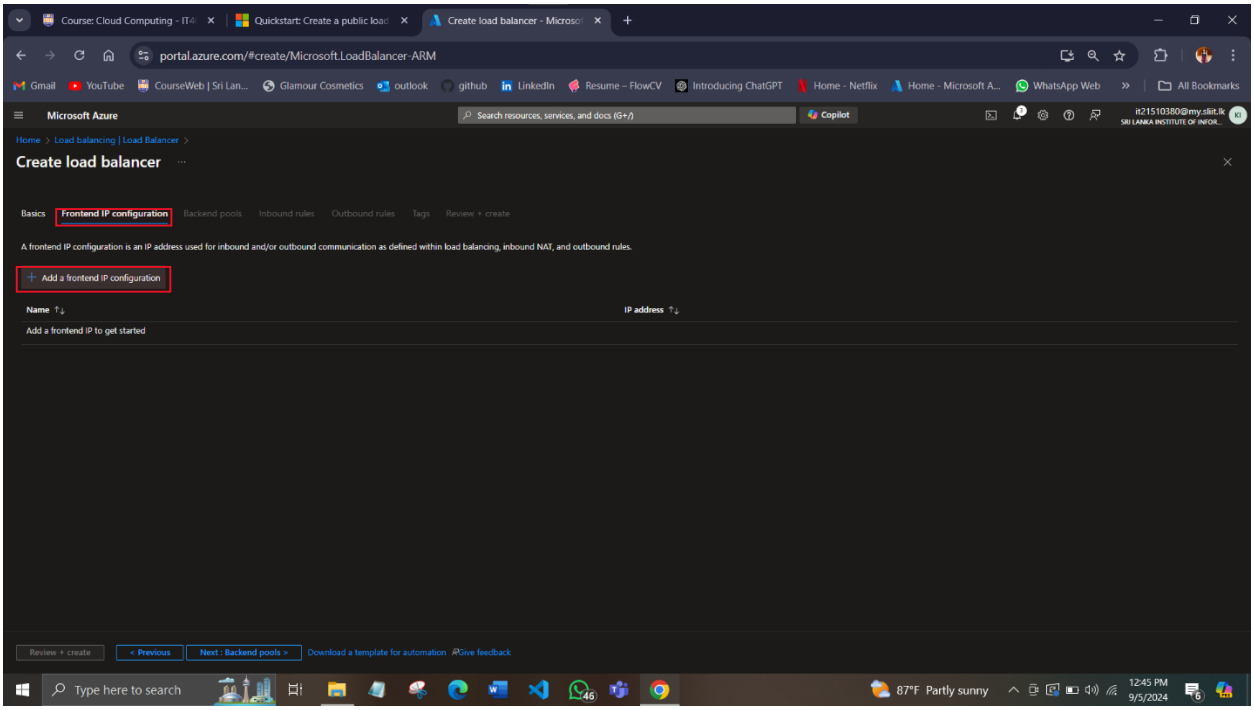


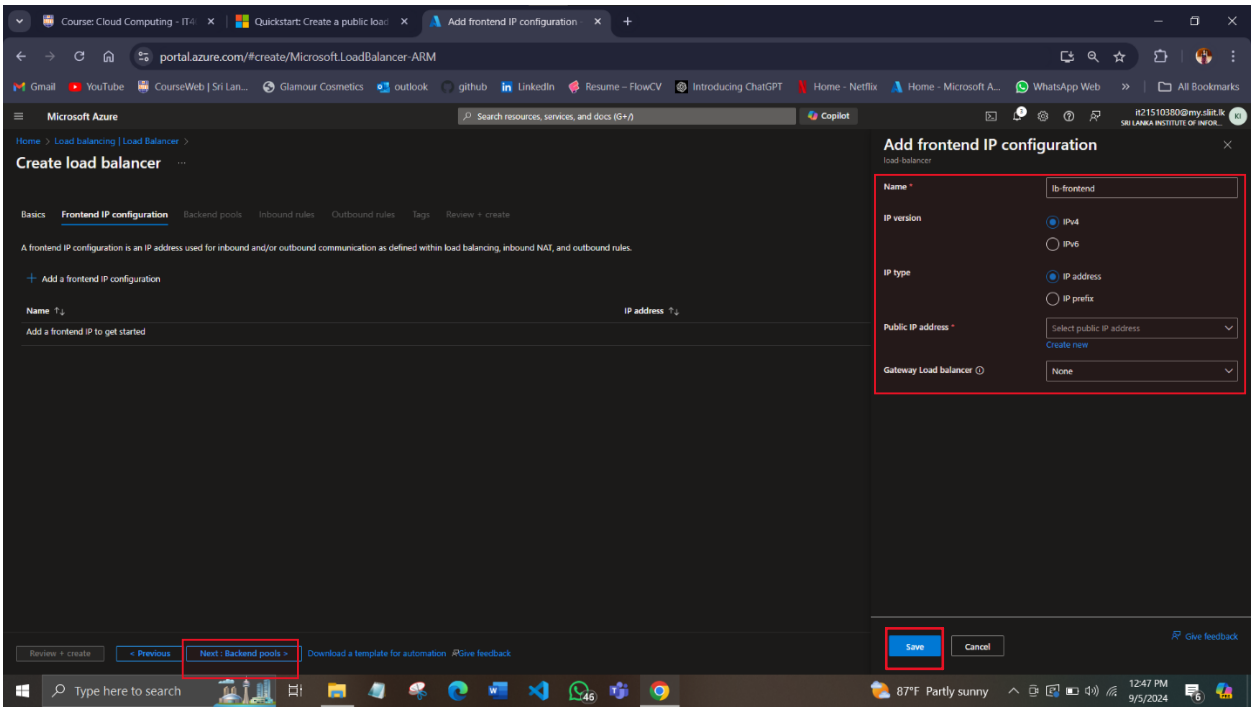




4. **Select Next: Frontend IP configuration at the bottom of the page.**

5. **In Frontend IP configuration, select + Add a frontend IP configuration.**
6. **Enter lb-frontend in Name.**
7. **Select IPv4 for the IP version.**
8. **Select the IP address for the IP type.**



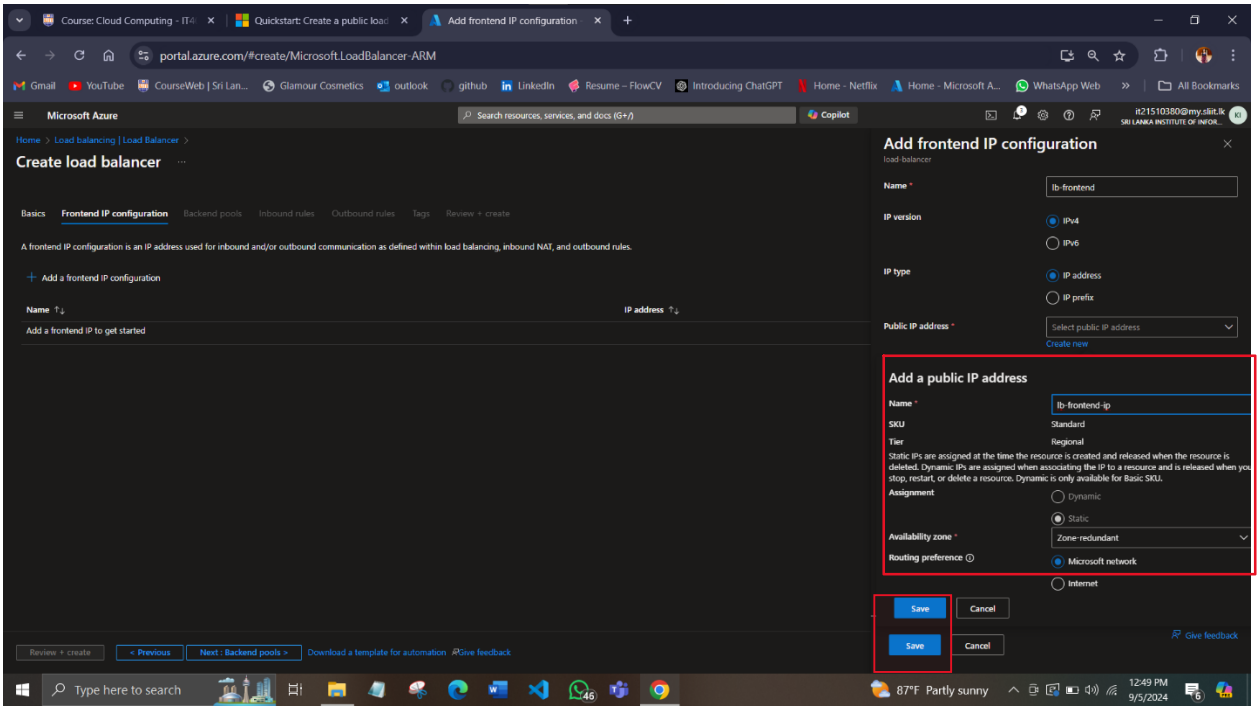


9. Select **Create new** in **Public IP address**.

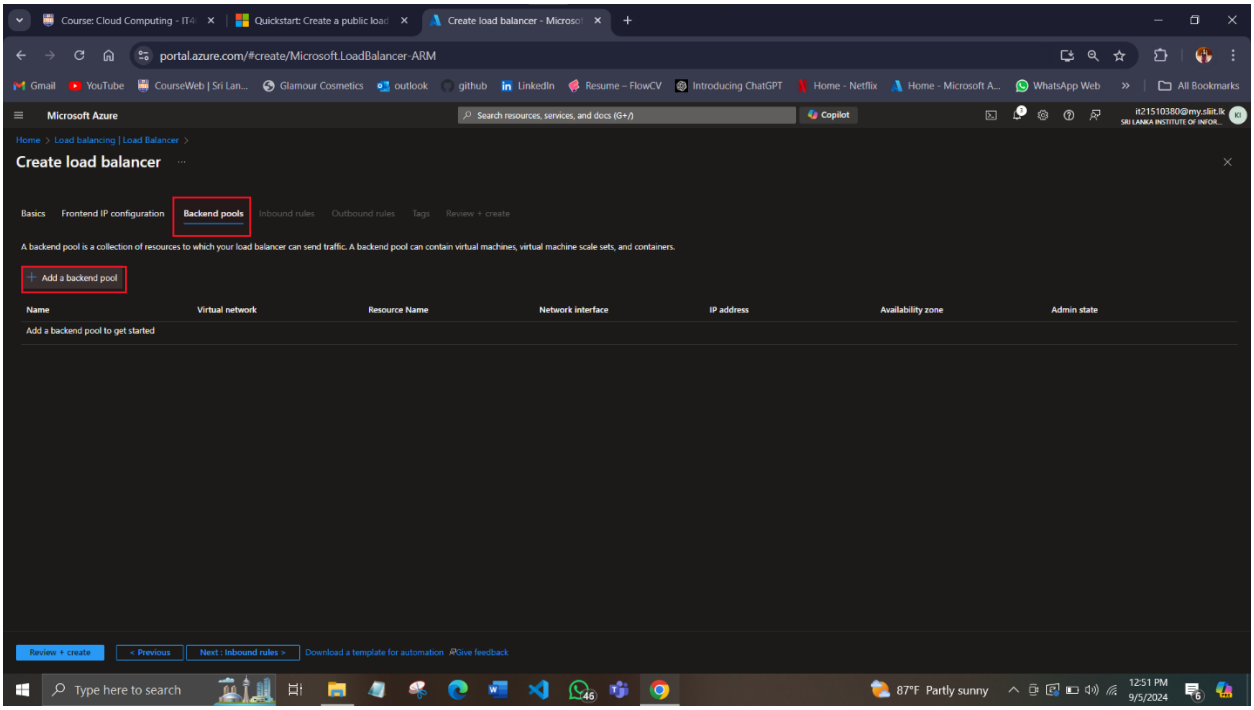
10. In **Add a public IP address**, enter **lb-frontend-ip** for **Name**.

11. Select **Zone-redundant** in **Availability zone**.
Leave the default of **Microsoft Network** for **Routing preference**.

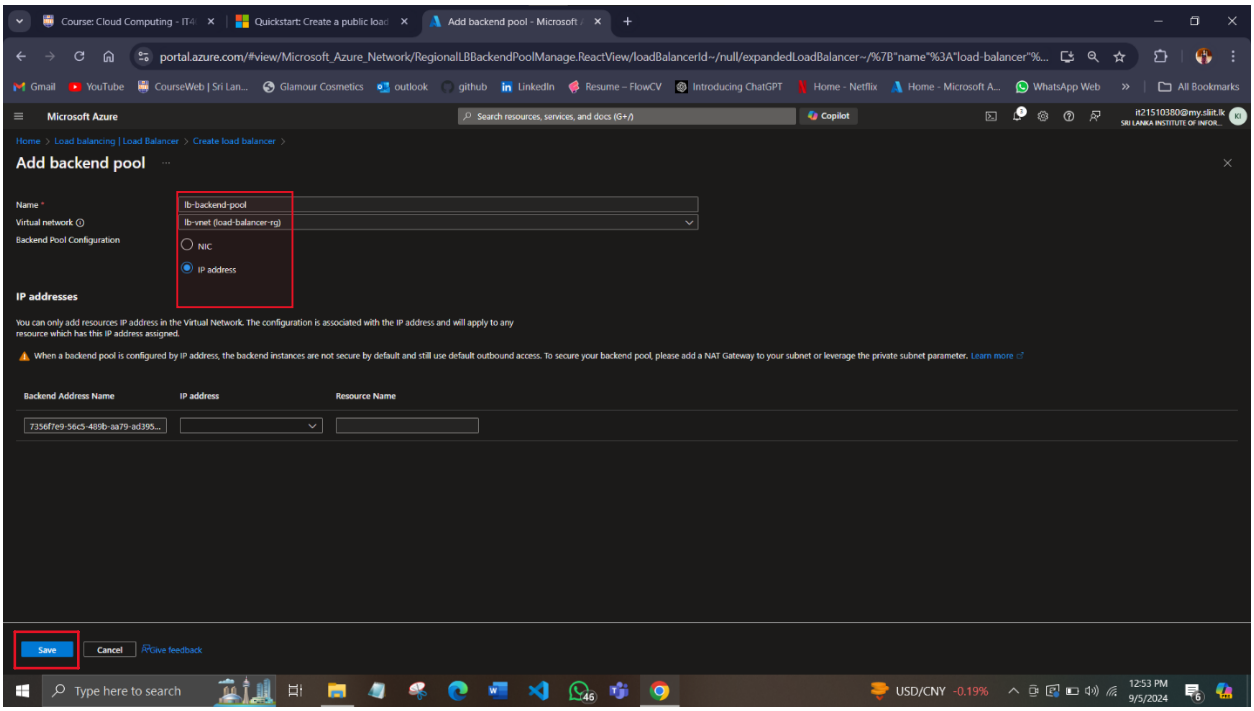
12 Select **Save**.



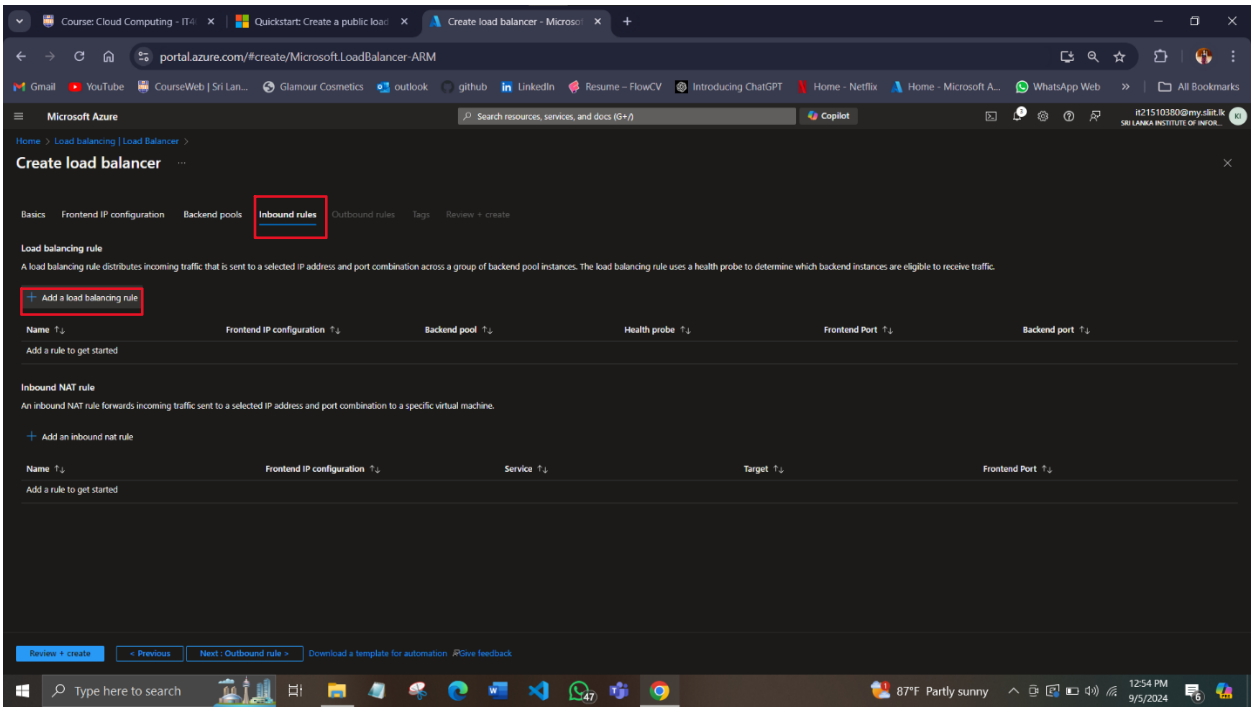
2. Select Next: Backend pools at the bottom of the page.
3. In the Backend pools tab, select + Add a backend pool.

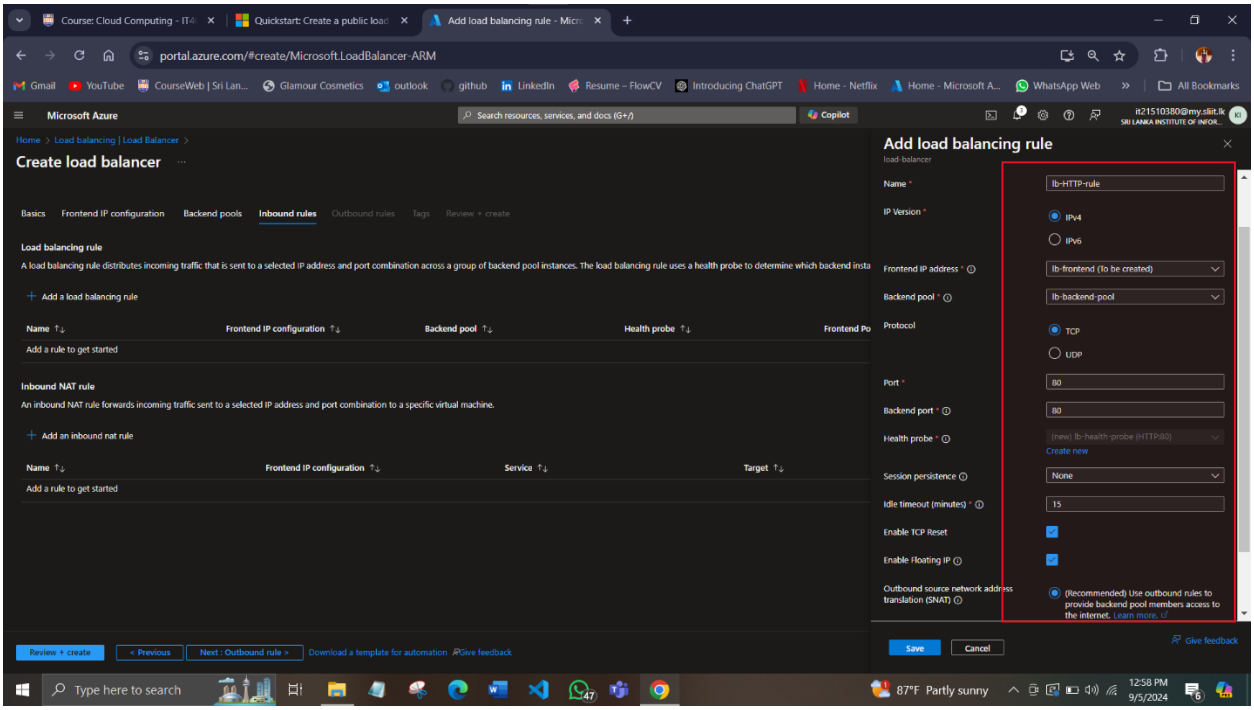


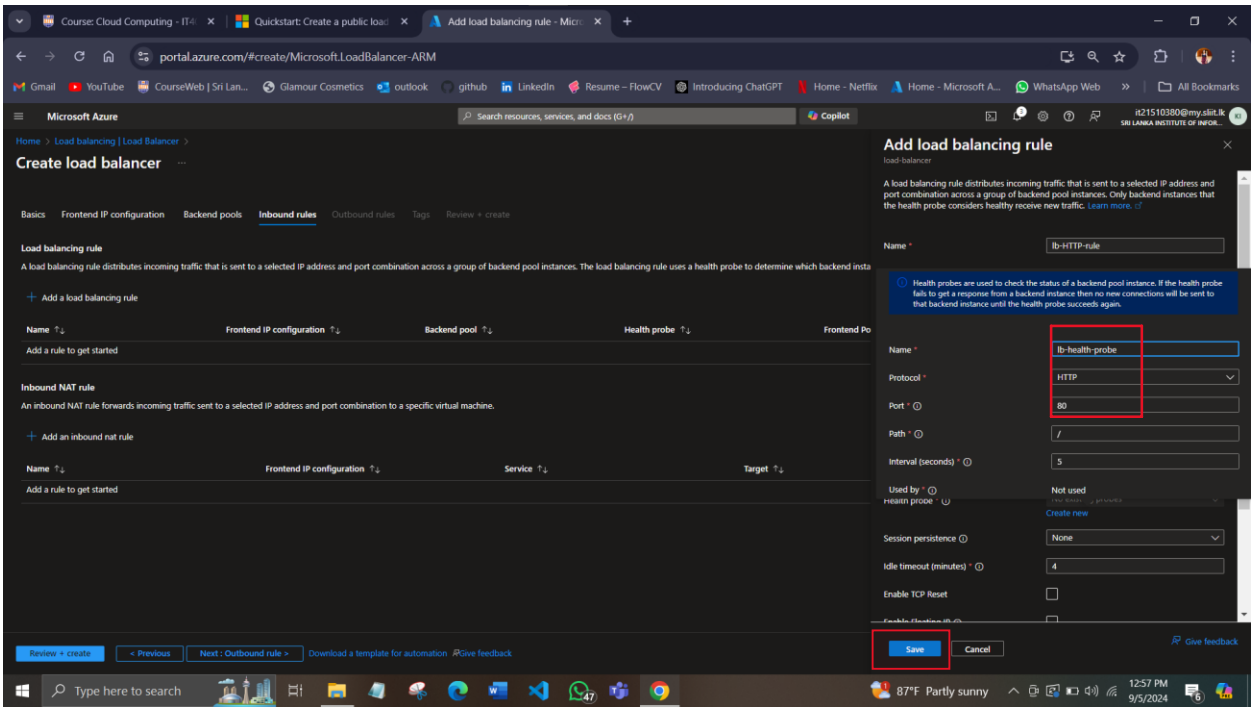
4. Enter lb-backend-pool for Name in Add backend pool.
5. Select lb-vnet in Virtual network.
6. Select IP Address for Backend Pool Configuration.
7. Select Save.

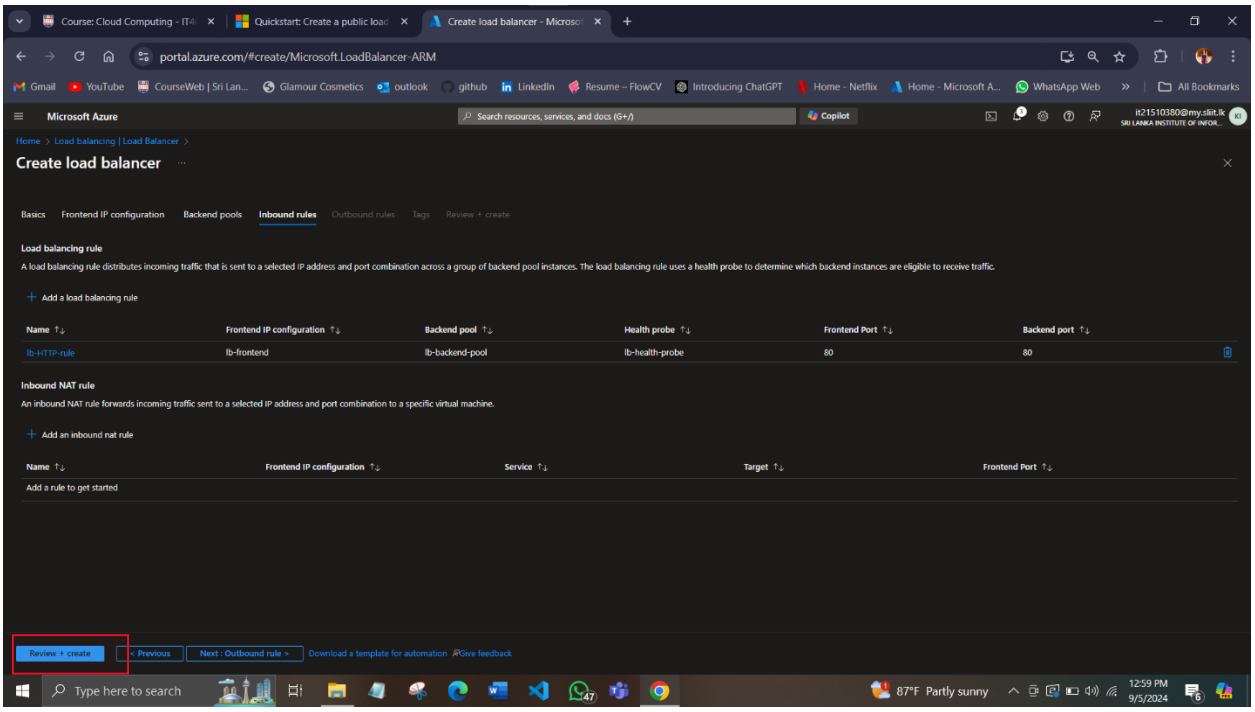


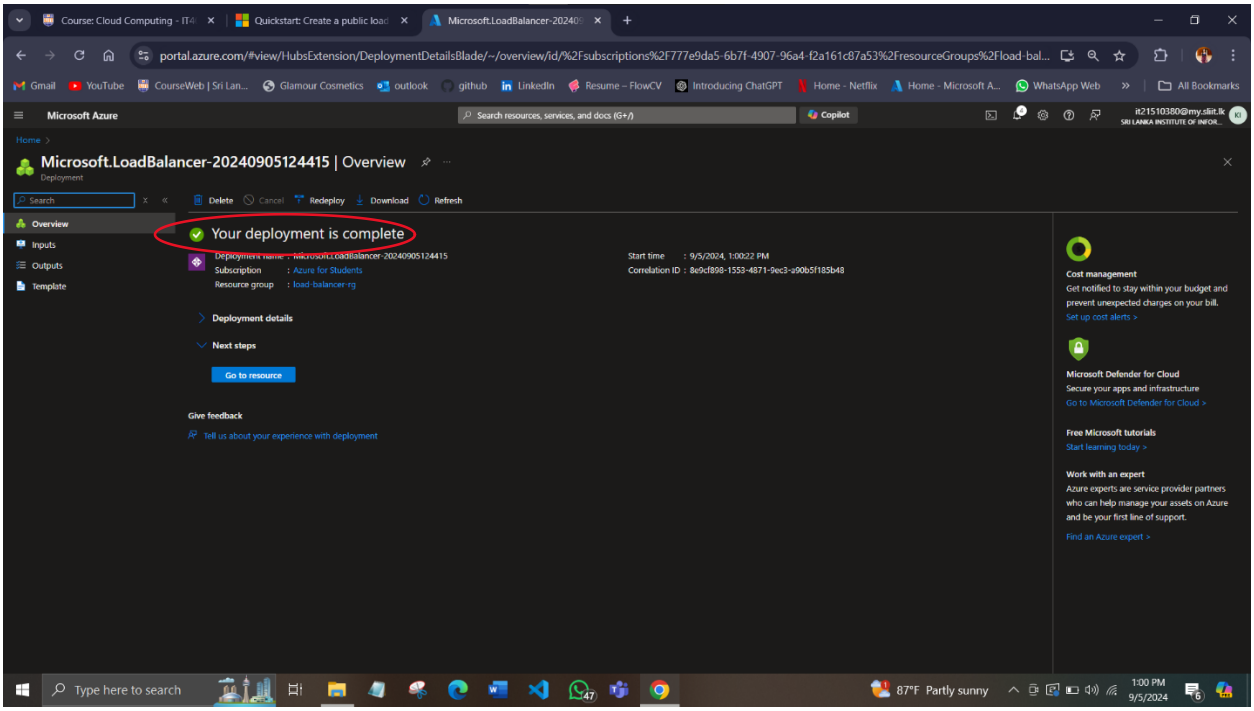
8. Select Next: Inbound rules at the bottom of the page.
9. Under Load balancing rule in the Inbound rules tab, select + Add a load balancing rule.
10. In Add load balancing rule, enter or select the following information:
11. Select Save.
12. Select the blue Review + create button at the bottom of the page.
13. Select Create.






Add load balancing rule - Micro
portal.azure.com/#create/Microsoft.LoadBalancer-ARM
Microsoft Azure
Search resources, services, and docs (G+/)
Copilot
Home > Load balancing | Load Balancer >
Create load balancer
Basics
Frontend IP configuration
Backend pools
Inbound rules
Outbound rules
Tags
Review + create
Load balancing rule
A load balancing rule distributes incoming traffic that is sent to a selected IP address and port combination across a group of backend pool instances. The load balancing rule uses a health probe to determine which backend insta
Add a load balancing rule
Name
Frontend IP configuration
Backend pool
Health probe
Frontend Po
Add a rule to get started
Inbound NAT rule
An inbound NAT rule forwards incoming traffic sent to a selected IP address and port combination to a specific virtual machine.
Add an inbound nat rule
Name
Frontend IP configuration
Service
Target
Add a rule to get started
Review + create
< Previous
Next : Outbound rule >
Download a template for automation
Give feedback
Add load balancing rule
load-balancer
A load balancing rule distributes incoming traffic that is sent to a selected IP address and port combination across a group of backend pool instances. Only backend instances that the health probe considers healthy receive new traffic. Learn more.
Name *
lb-HTTP-rule
Health probes are used to check the status of a backend pool instance. If the health probe fails to get a response from a backend instance then no new connections will be sent to that backend instance until the health probe succeeds again.
Name *
lb-health-probe
Protocol *
HTTP
Port *
80
Path *
/
Interval (seconds) *
5
Used by *
Not used
Health probe *
Create new
Session persistence
None
Idle timeout (minutes) *
4
Enable TCP Reset
Save
Cancel
Give feedback
Type here to search
87°F Partly sunny
12:57 PM
9/5/2024


Create load balancer - Microsof
portal.azure.com/#create/Microsoft.LoadBalancer-ARM
Microsoft Azure
Search resources, services, and docs (G+/)
Copilot
Home > Load balancing | Load Balancer >
Create load balancer
Basics
Frontend IP configuration
Backend pools
Inbound rules
Outbound rules
Tags
Review + create
Load balancing rule
A load balancing rule distributes incoming traffic that is sent to a selected IP address and port combination across a group of backend pool instances. The load balancing rule uses a health probe to determine which backend instances are eligible to receive traffic.
Add a load balancing rule
Name
Frontend IP configuration
Backend pool
Health probe
Frontend Port
Backend port
lb-HTTP-rule
lb-frontend
lb-backend-pool
lb-health-probe
80
80
Inbound NAT rule
An inbound NAT rule forwards incoming traffic sent to a selected IP address and port combination to a specific virtual machine.
Add an inbound nat rule
Name
Frontend IP configuration
Service
Target
Frontend Port
Add a rule to get started
Review + create
< Previous
Next : Outbound rule >
Download a template for automation
Give feedback
Type here to search
87°F Partly sunny
12:59 PM
9/5/2024

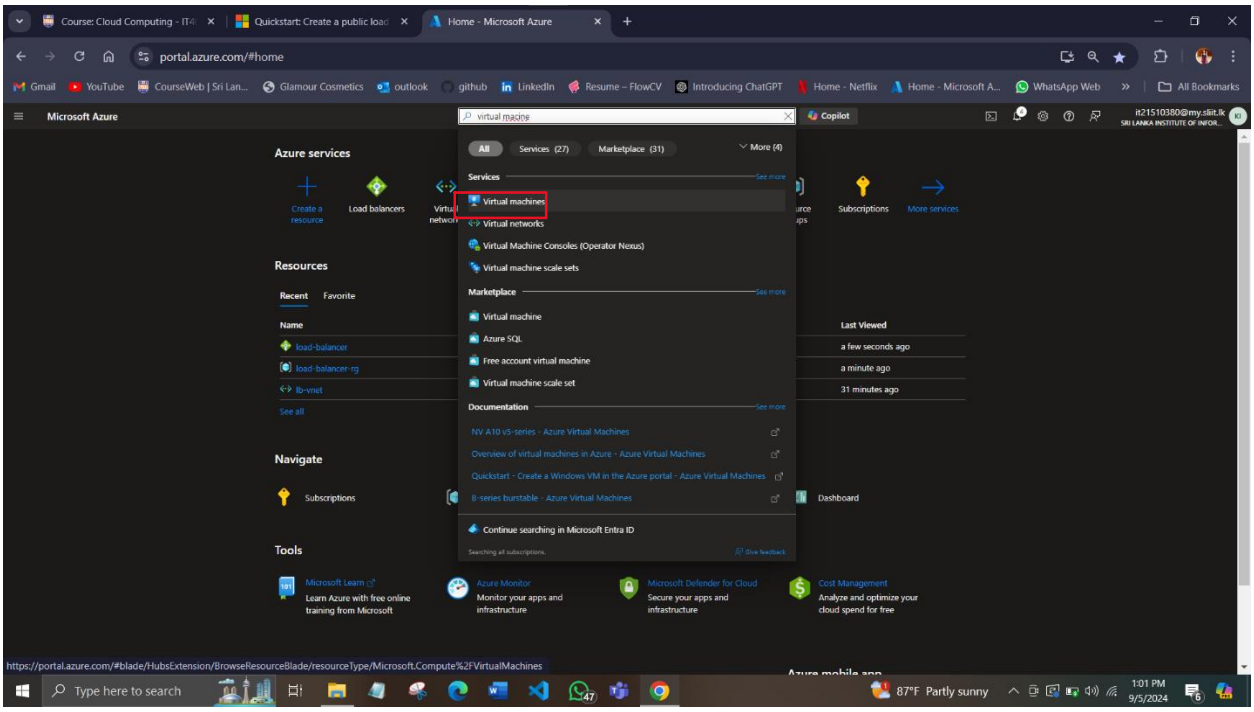


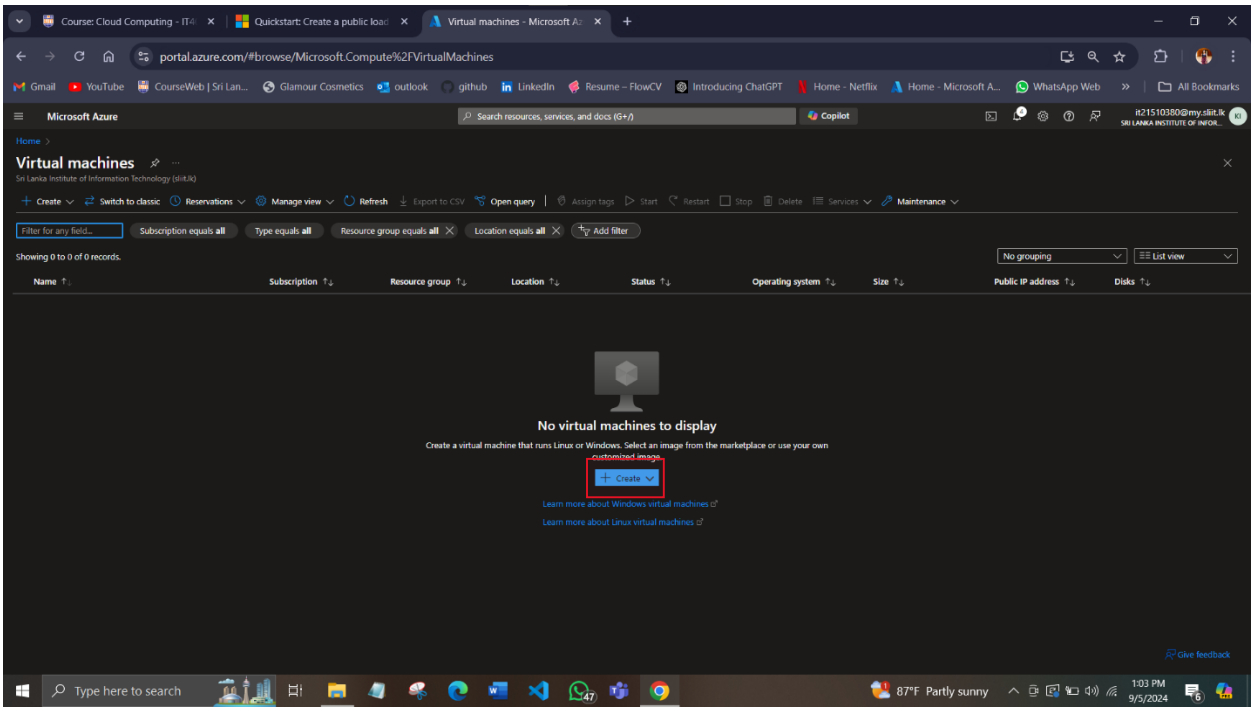
Create virtual machines

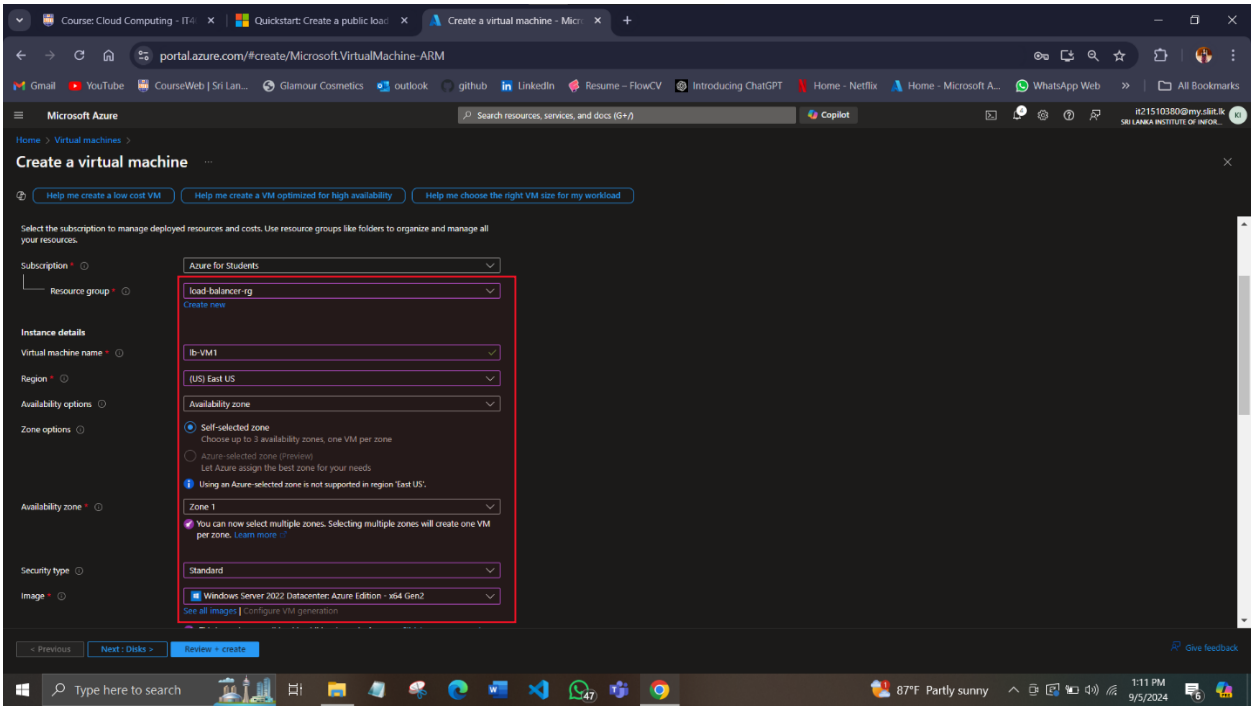
1.In the search box at the top of the portal, enter Virtual machine. Select Virtual machines in the search results.

2.In Virtual machines, select + Create > Azure virtual machine.

3.In Create a Virtual Machine, enter or select the following values in the Basics tab:

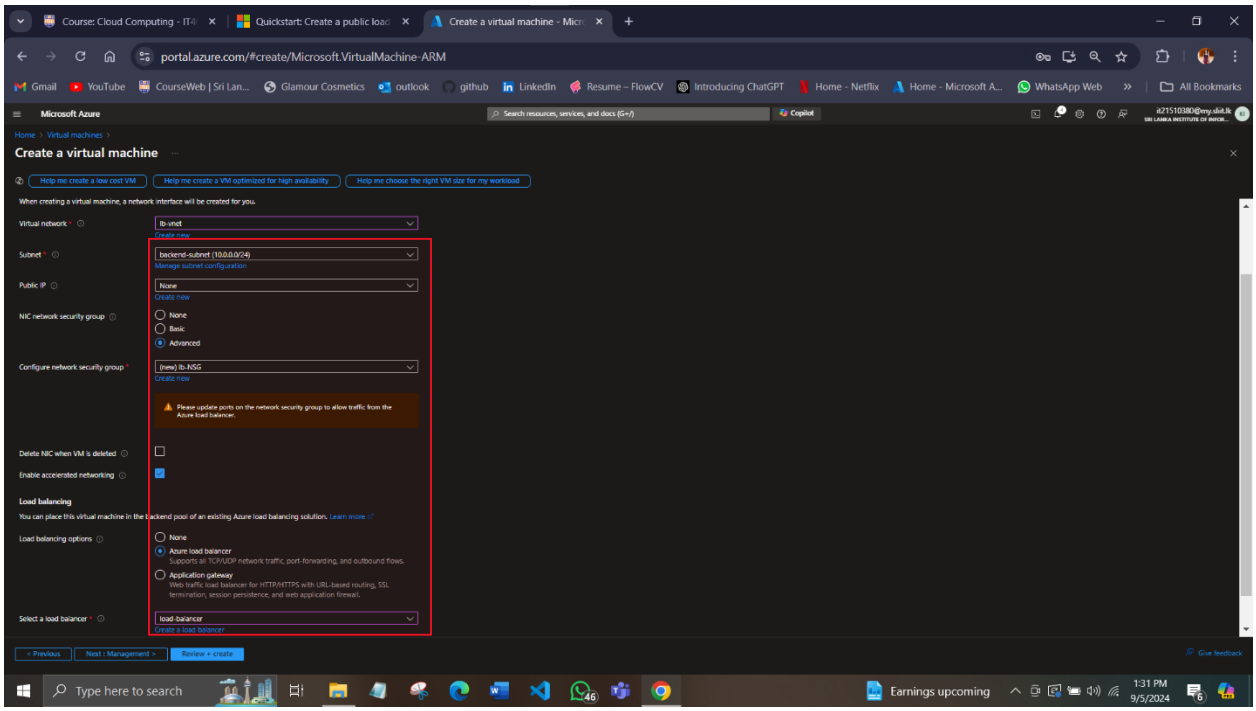


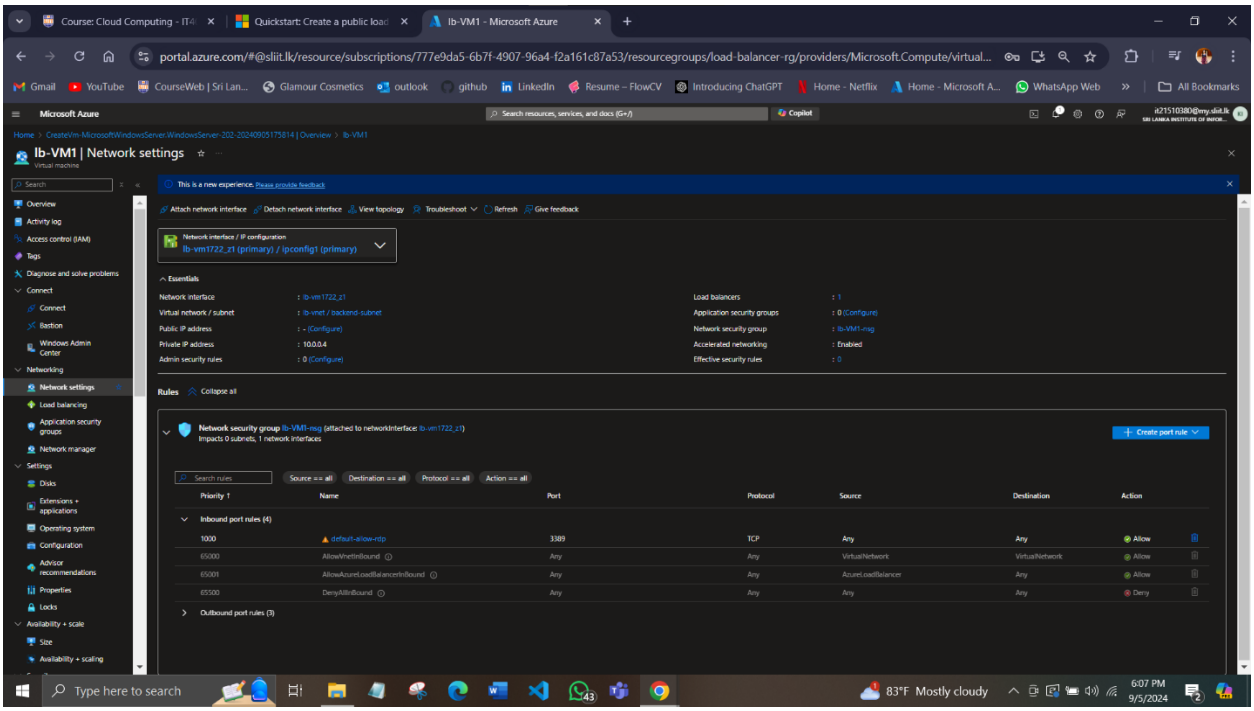

Course: Cloud Computing - IT4
Quickstart: Create a public load
Virtual machines - Microsoft A
portal.azure.com/#browse/Microsoft.Compute%2FVirtualMachines
Microsoft Azure
Search resources, services, and docs (G+/)
Copilot
Home
Virtual machines
Create
Switch to classic
Reservations
Manage view
Refresh
Export to CSV
Open query
Assign tags
Start
Restart
Stop
Delete
Services
Maintenance
Filter for any field...
Subscription equals all
Type equals all
Resource group equals all
Location equals all
Add filter
Showing 0 to 0 of 0 records.
No grouping
List view
Name
Subscription
Resource group
Location
Status
Operating system
Size
Public IP address
Disks
No virtual machines to display
Create a virtual machine that runs Linux or Windows. Select an image from the marketplace or use your own customized image.
Create
Learn more about Windows virtual machines
Learn more about Linux virtual machines
Give feedback
Type here to search
87°F Partly sunny
1:03 PM
9/5/2024

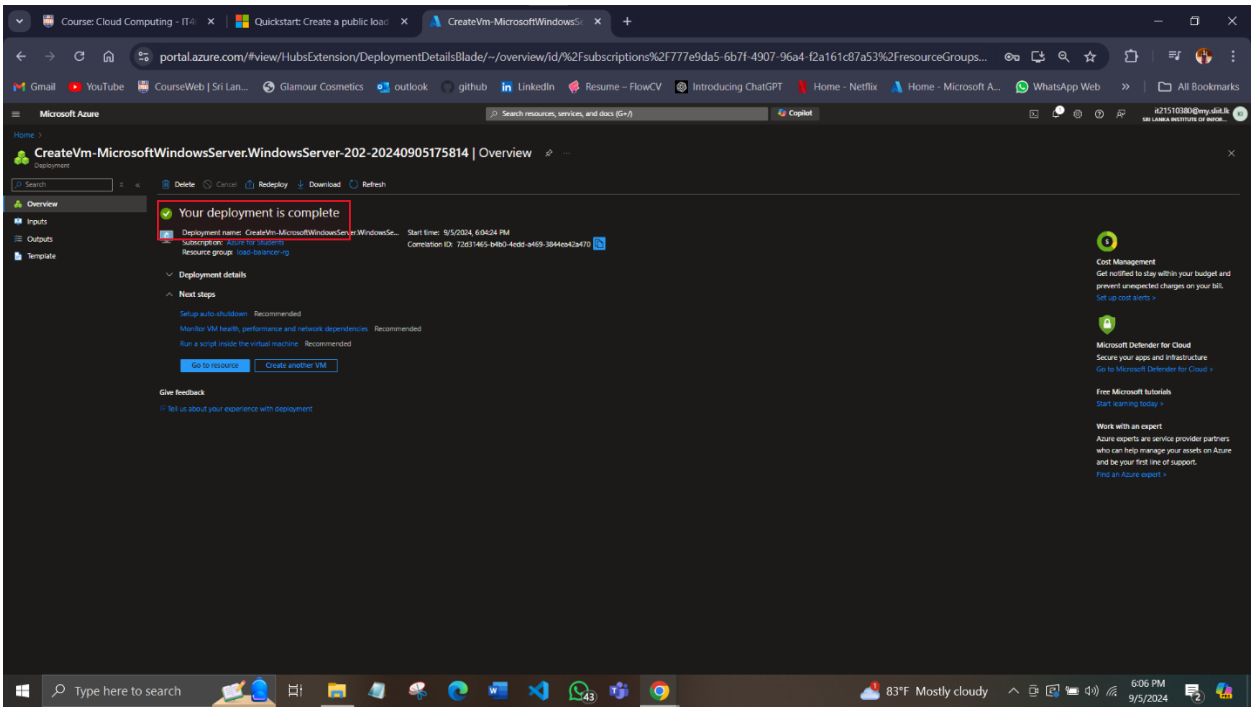

Course: Cloud Computing - IT4
Quickstart: Create a public load
Create a virtual machine - Micr
portal.azure.com/#create/Microsoft.VirtualMachine-ARM
Microsoft Azure
Search resources, services, and docs (G+/)
Copilot
Home > Virtual machines
Create a virtual machine
Help me create a low cost VM
Help me create a VM optimized for high availability
Help me choose the right VM size for my workload
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
load-balancer-rg
Create new
Instance details
Virtual machine name
lb-VM1
Region
(US) East US
Availability options
Availability zone
Zone options
Self-selected zone
Choose up to 3 availability zones, one VM per zone
Azure-selected zone (Preview)
Let Azure assign the best zone for your needs
Using an Azure-selected zone is not supported in region 'East US'.
Availability zone
Zone 1
You can now select multiple zones. Selecting multiple zones will create one VM per zone. Learn more
Security type
Standard
Image
Windows Server 2022 Datacenter: Azure Edition - x64 Gen2
See all images | Configure VM generation
< Previous
Next : Disks >
Review + create
Give feedback
Type here to search
87°F Partly sunny
1:11 PM
9/5/2024

4. Select the Networking tab, or select Next: Disks, then Next: Networking.

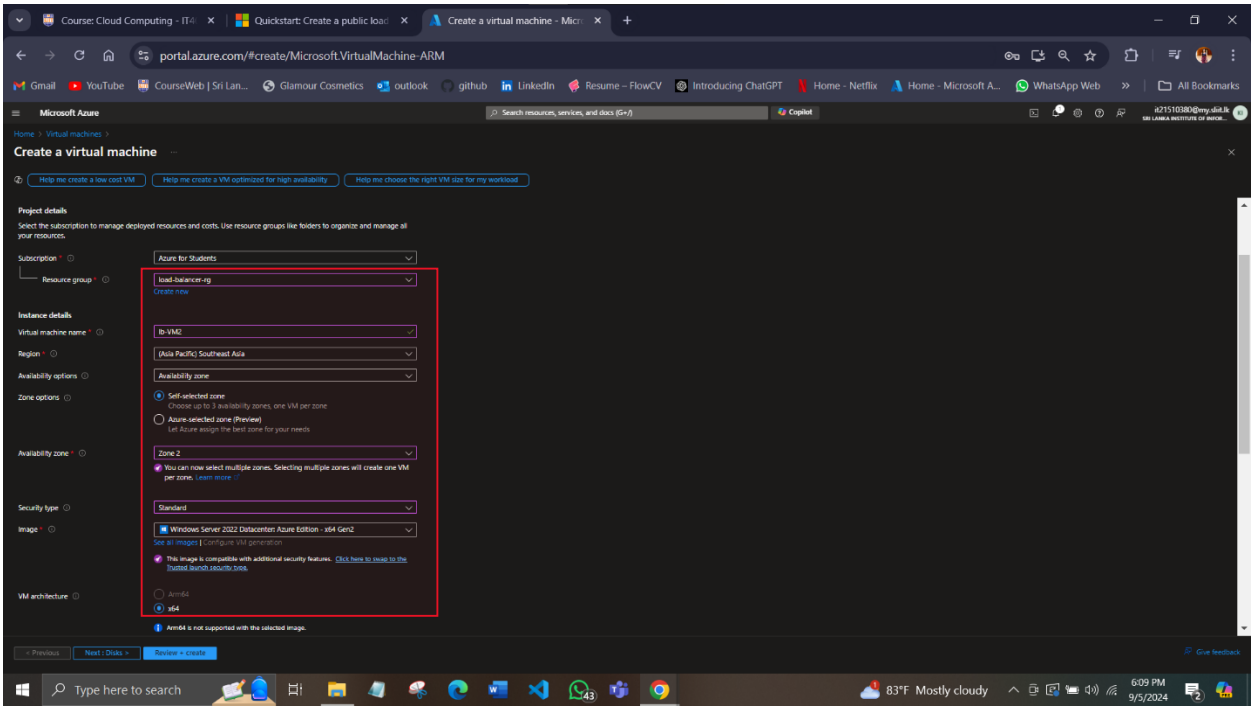
5. In the Networking tab, select or enter the following information:

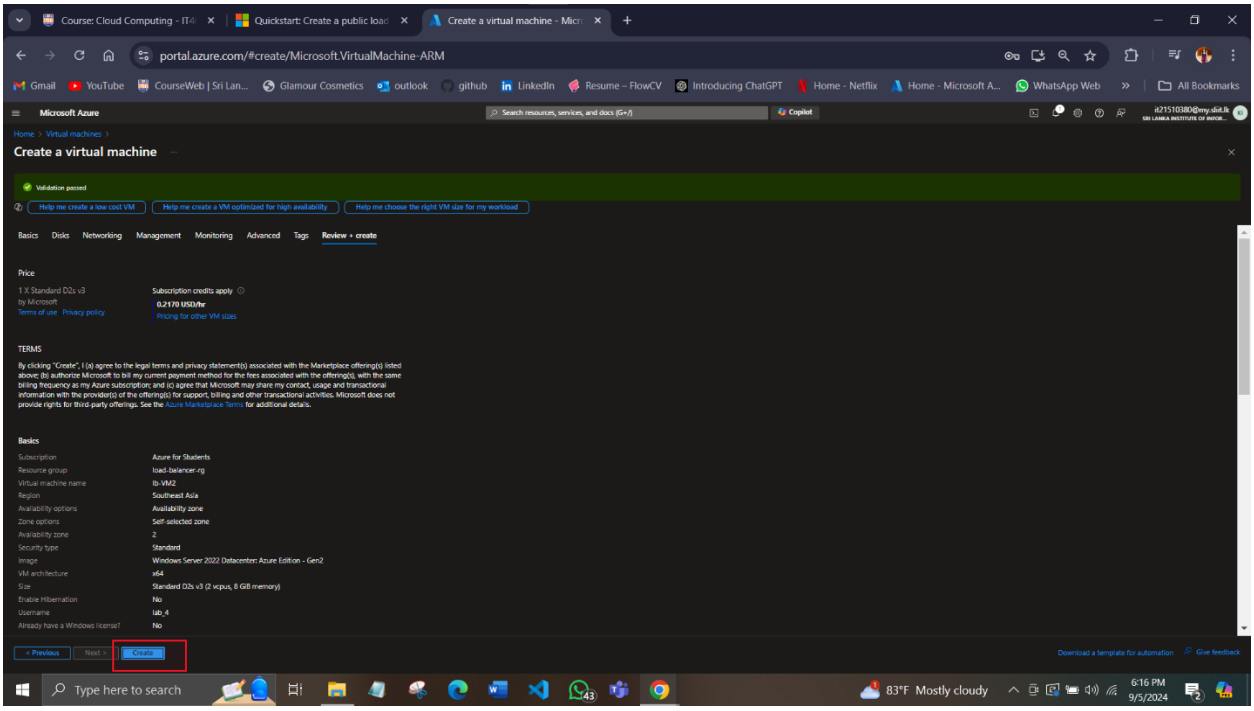


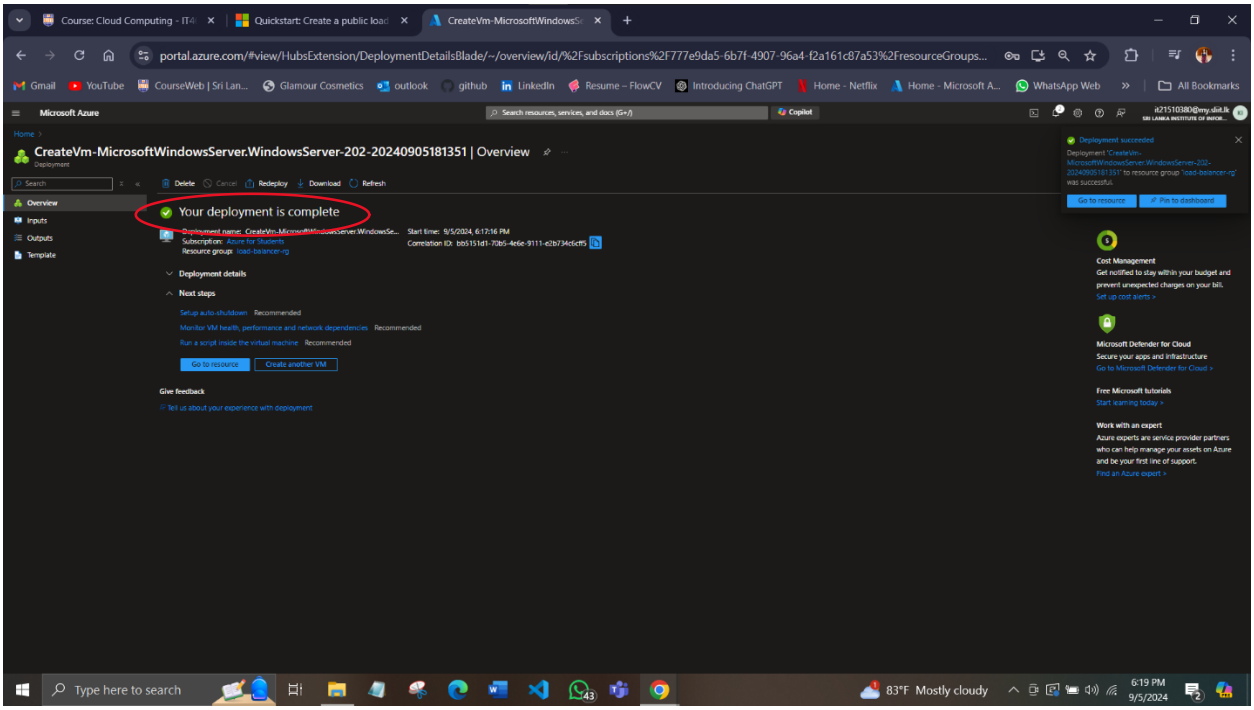


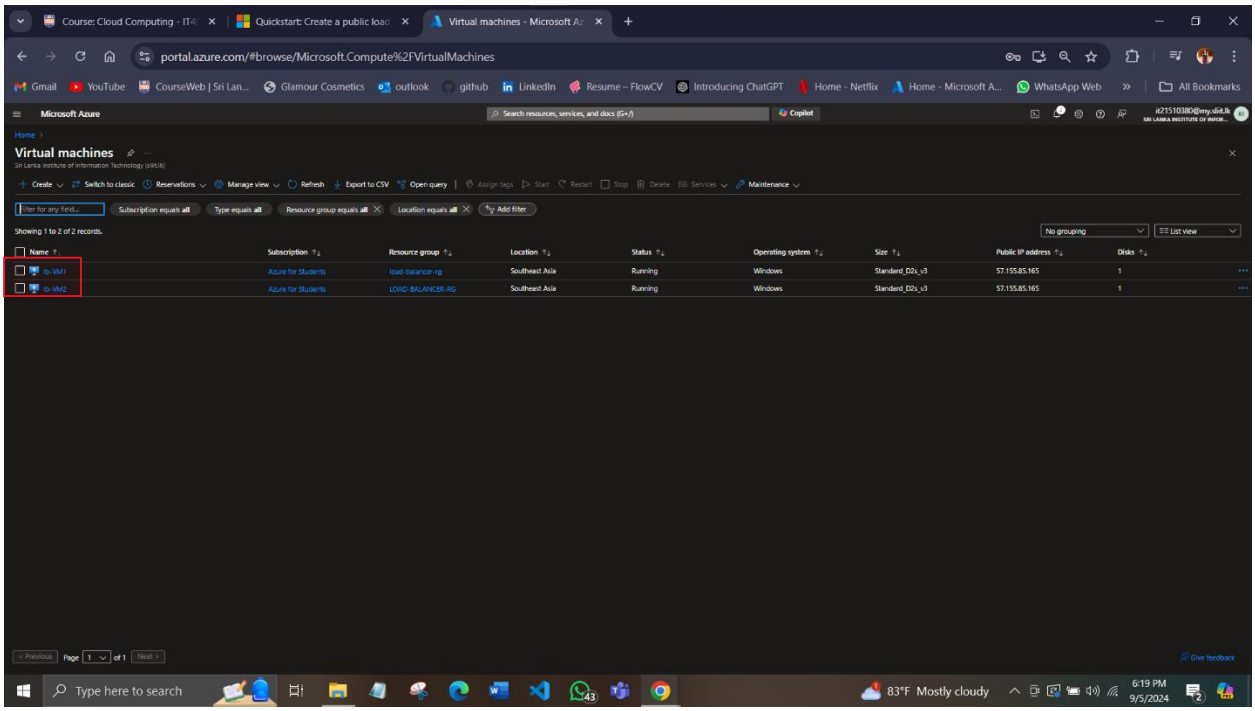


1. 6. Create another VM, Following the same steps




Create a virtual machine
Validation passed
Basics Disks Networking Management Monitoring Advanced Tags Review + create
Price
TERMS
Basics
Subscription Azure for Students
Resource group load-balancer-rg
Virtual machine name lb-VM2
Region Southeast Asia
Availability options Availability zone
Zone options Self-selected zone
Availability zone 2
Security type Standard
Image Windows Server 2022 Datacenter: Azure Edition - Gen2
VM architecture x64
Size Standard D2s v3 (2 vcpus, 8 GiB memory)
Enable Hibernation No
Username lab_4
Already have a Windows license? No
< Previous
Create
Download a template for automation
Give feedback
Type here to search
83°F Mostly cloudy
6:16 PM
9/5/2024

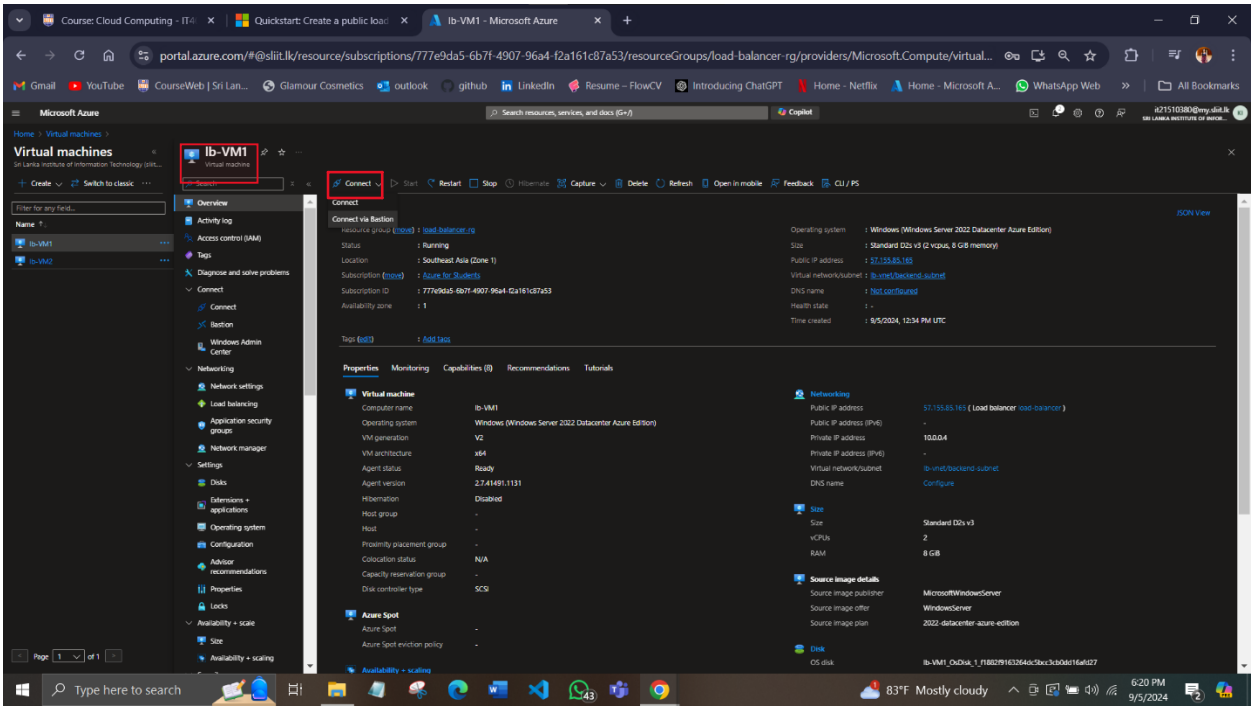

CreateVm-MicrosoftWindowsServer.WindowsServer-202-20240905181351 | Overview
Your deployment is complete
Deployment details
Next steps
Setup auto-shutdown Recommended
Monitor VM health, performance and network dependencies Recommended
Run a script inside the virtual machine Recommended
Go to resource
Create another VM
Give feedback
Tell us about your experience with deployment
Cost Management
Microsoft Defender for Cloud
Free Microsoft tutorials
Work with an expert
Type here to search
83°F Mostly cloudy
6:19 PM
9/5/2024

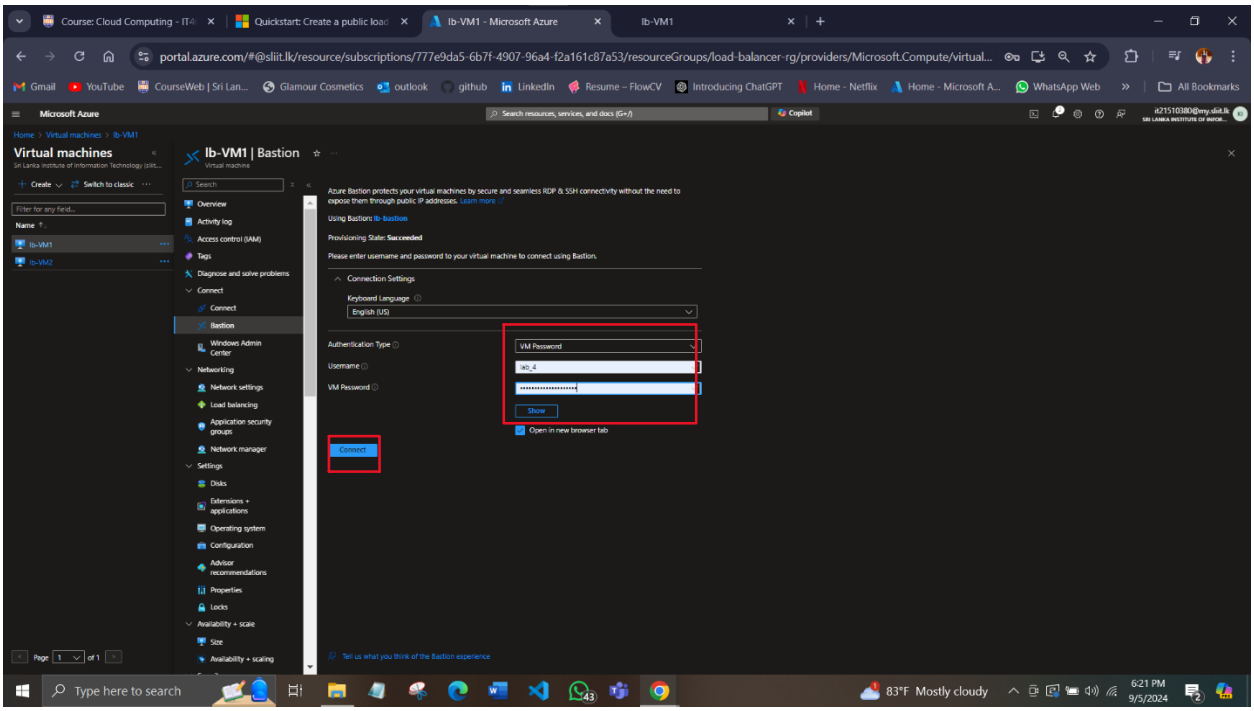


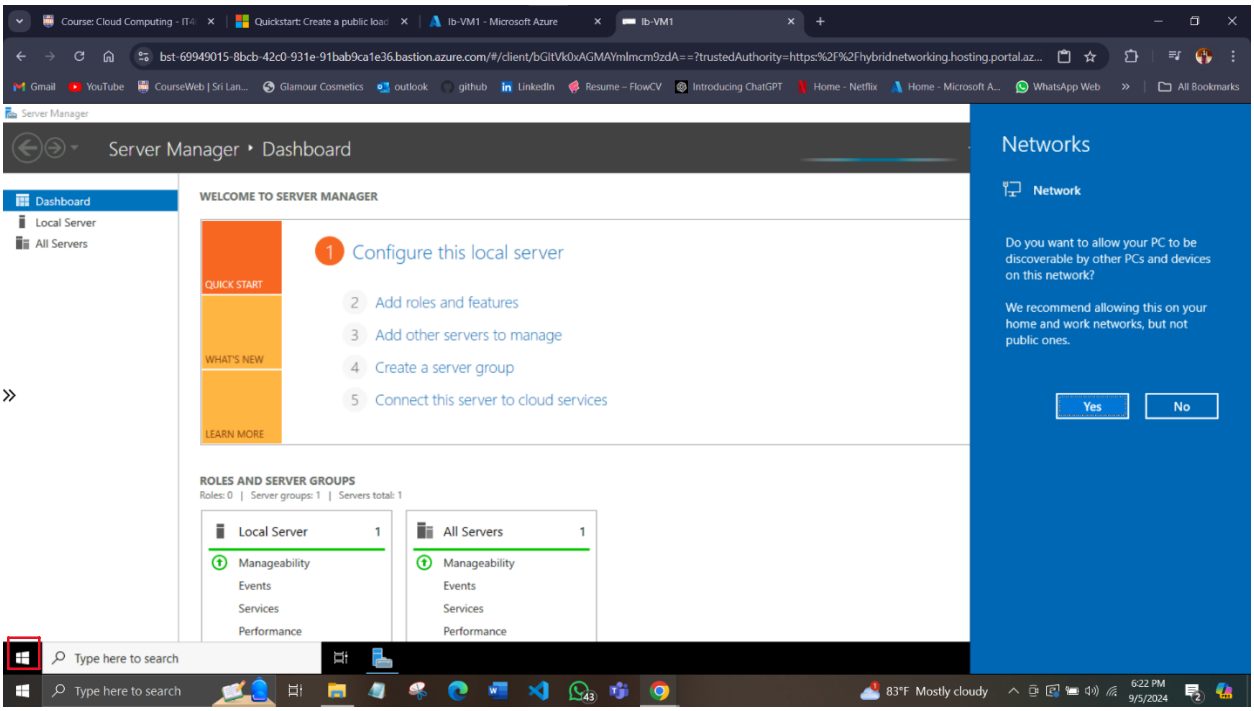
Install IIS

1. Select **lb-VM1**.
2. On the **Overview** page, select **Connect**, then **Bastion**.
3. Enter the username and password entered during VM creation.
4. Select **Connect**.
5. On the server desktop, navigate to **Start** > **Windows PowerShell** > **Windows PowerShell**.
6. In the PowerShell Window, run the following commands to:
    - Install the IIS server.
    - Remove the default iisstart.htm file.

- Add a new iisstart.htm file that displays the name of the VM:

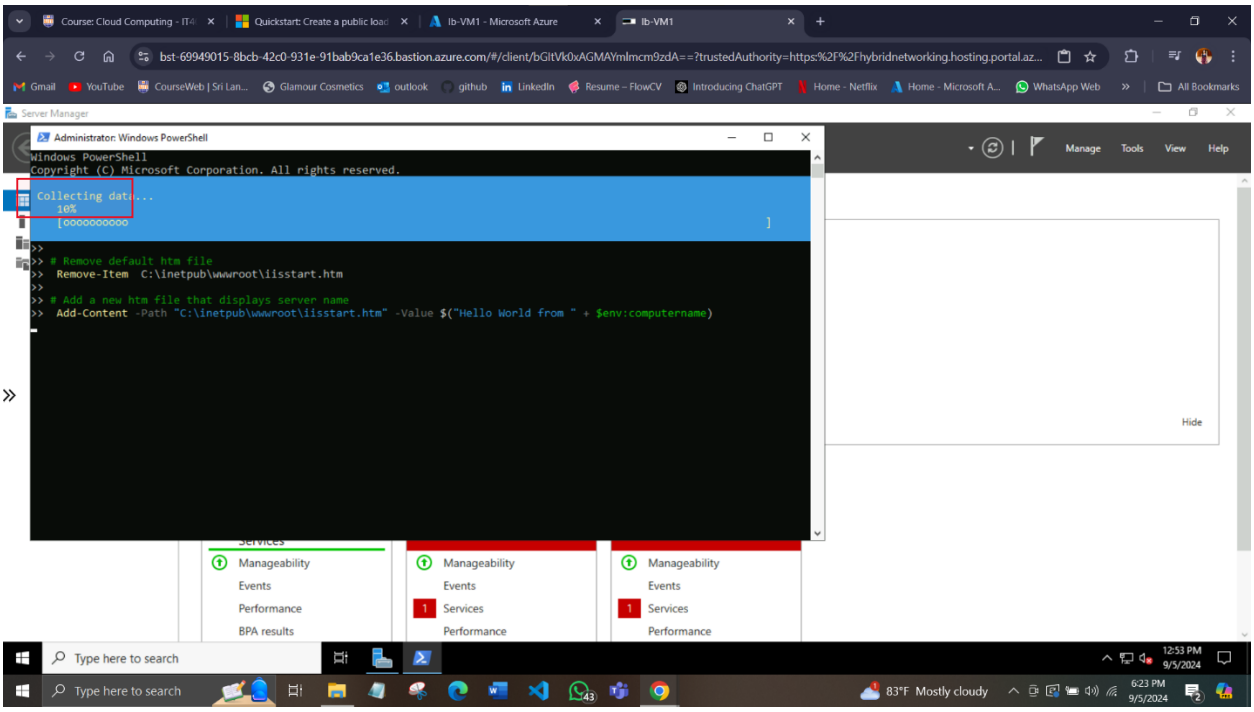

lb-VM1 - Microsoft Azure
Virtual machines
lb-VM1
Connect via Bastion
Properties
Monitoring
Capabilities (8)
Recommendations
Tutorials

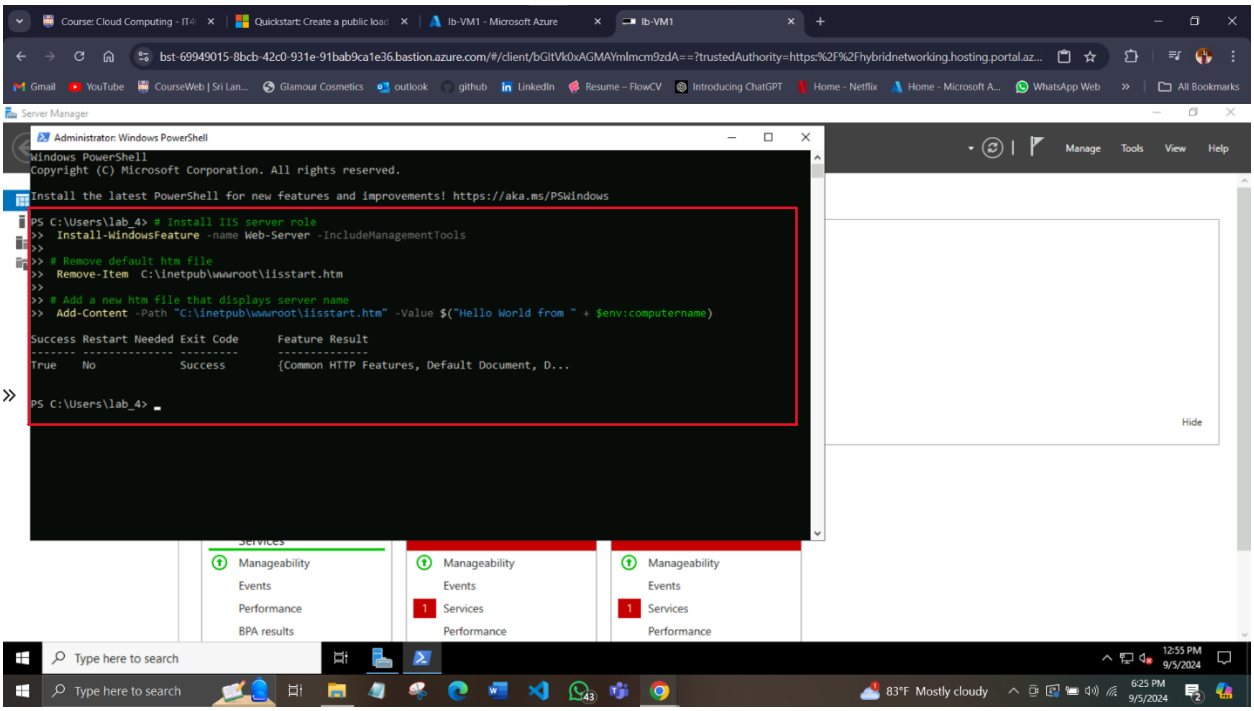

lb-VM1 | Bastion
Azure Bastion protects your virtual machines by secure and seamless RDP & SSH connectivity without the need to expose them through public IP addresses.
Using Bastion: lb-bastion
Provisioning State: Succeeded
Please enter username and password to your virtual machine to connect using Bastion.
Connection Settings
Authentication Type
VM Password
Username
VM Password
Show
Open in new browser tab
Connect



Code:

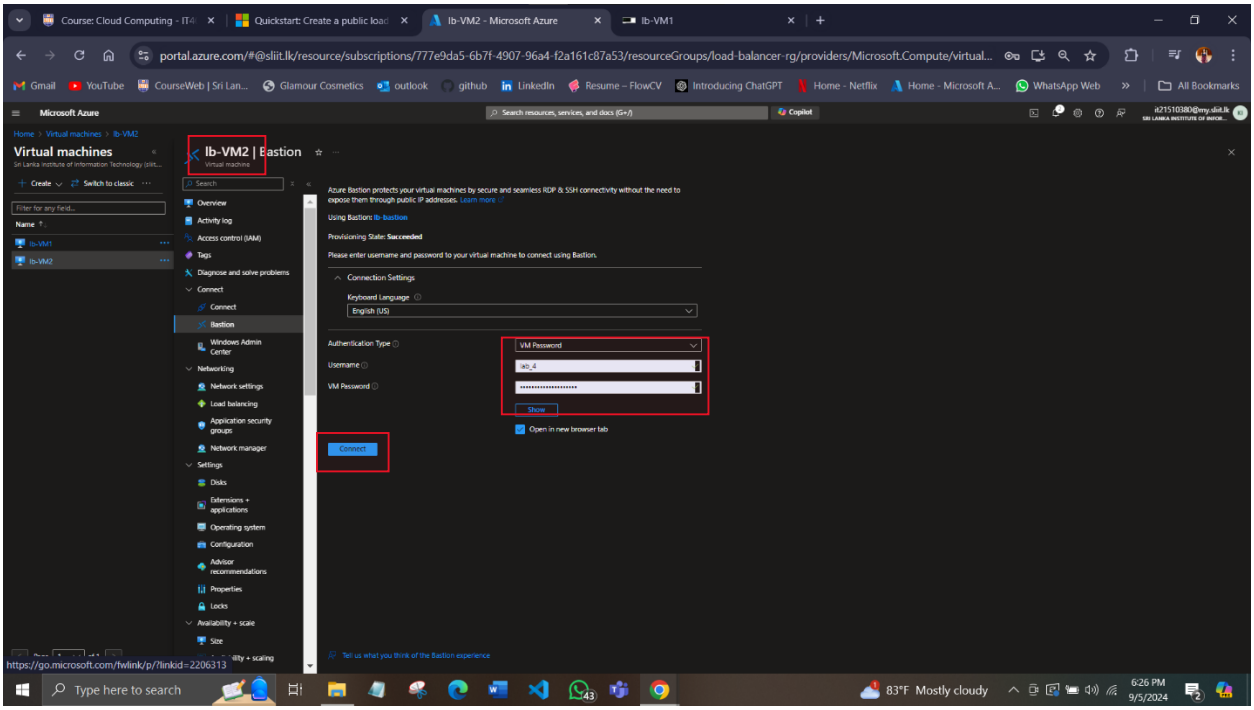
```
# Install IIS server role
 Install-WindowsFeature -name Web-Server -IncludeManagementTools
# Remove default htm file
 Remove-Item  C:\inetpub\wwwroot\iisstart.htm
# Add a new htm file that displays server name
```

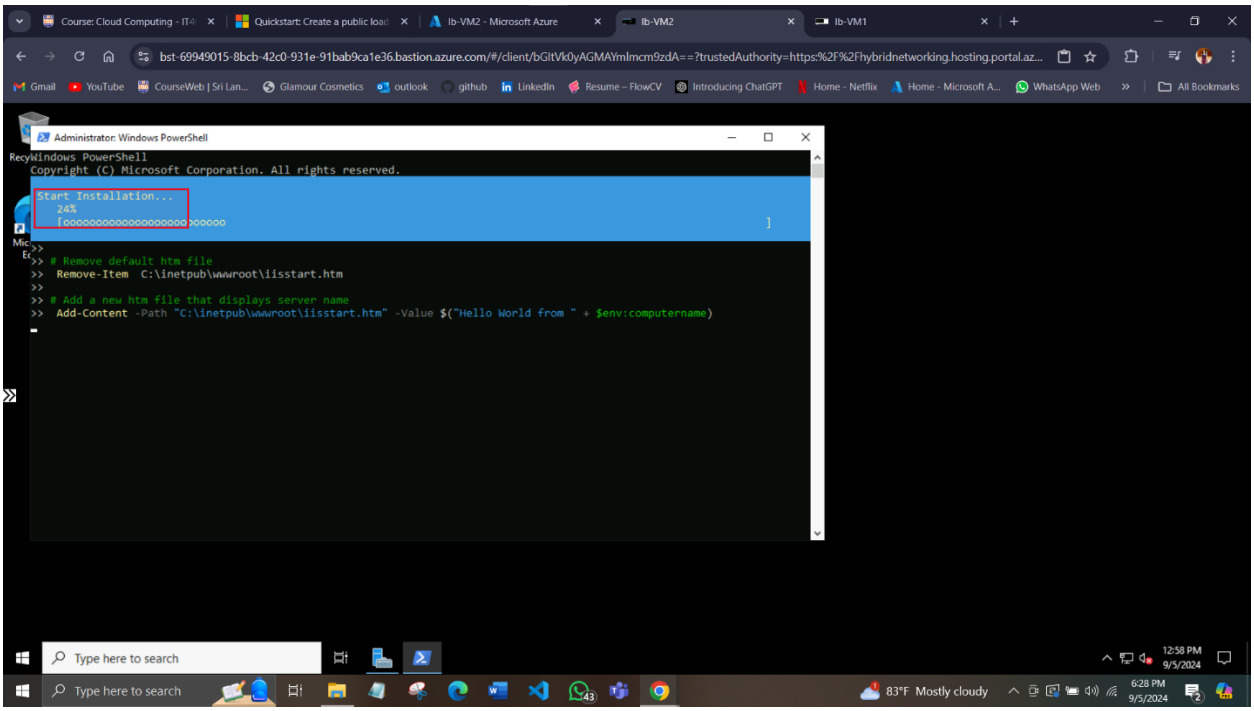


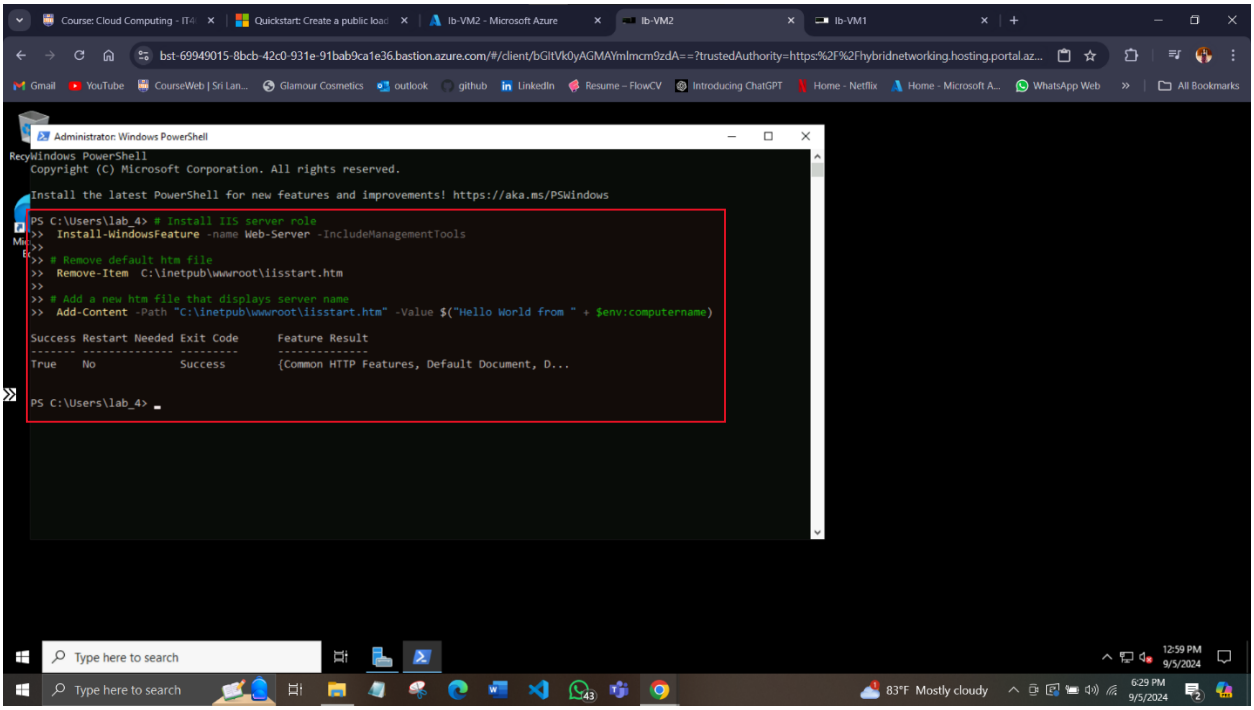


Close the Bastion session with **lb-VM1**.

Repeat steps to install IIS and the updated iisstart.htm file on **lb-VM2**.




Course: Cloud Computing - IT4
Quickstart: Create a public load
lb-VM2 - Microsoft Azure
lb-VM2
lb-VM1
bst-69949015-8bcb-42c0-931e-91bab9ca1e36.bastion.azure.com/#/client/bGltVk0yAGMAYmlmcm9zdA==?trustedAuthority=https%2F%2Fhybridnetworking.hosting.portal.az...
Gmail
YouTube
CourseWeb | Sri Lan...
Glamour Cosmetics
outlook
github
LinkedIn
Resume – FlowCV
Introducing ChatGPT
Home - Netflix
Home - Microsoft A...
WhatsApp Web
All Bookmarks
Administrator: Windows PowerShell
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.
Start Installation...
24%
[oooooooooooooooooo
]
>>
>> # Remove default htm file
>> Remove-Item C:\inetpub\wwwroot\iisstart.htm
>>
>> # Add a new htm file that displays server name
>> Add-Content -Path "C:\inetpub\wwwroot\iisstart.htm" -Value $("Hello World from " + $env:computername)
Type here to search
12:58 PM
9/5/2024
Type here to search
83°F Mostly cloudy
6:28 PM
9/5/2024

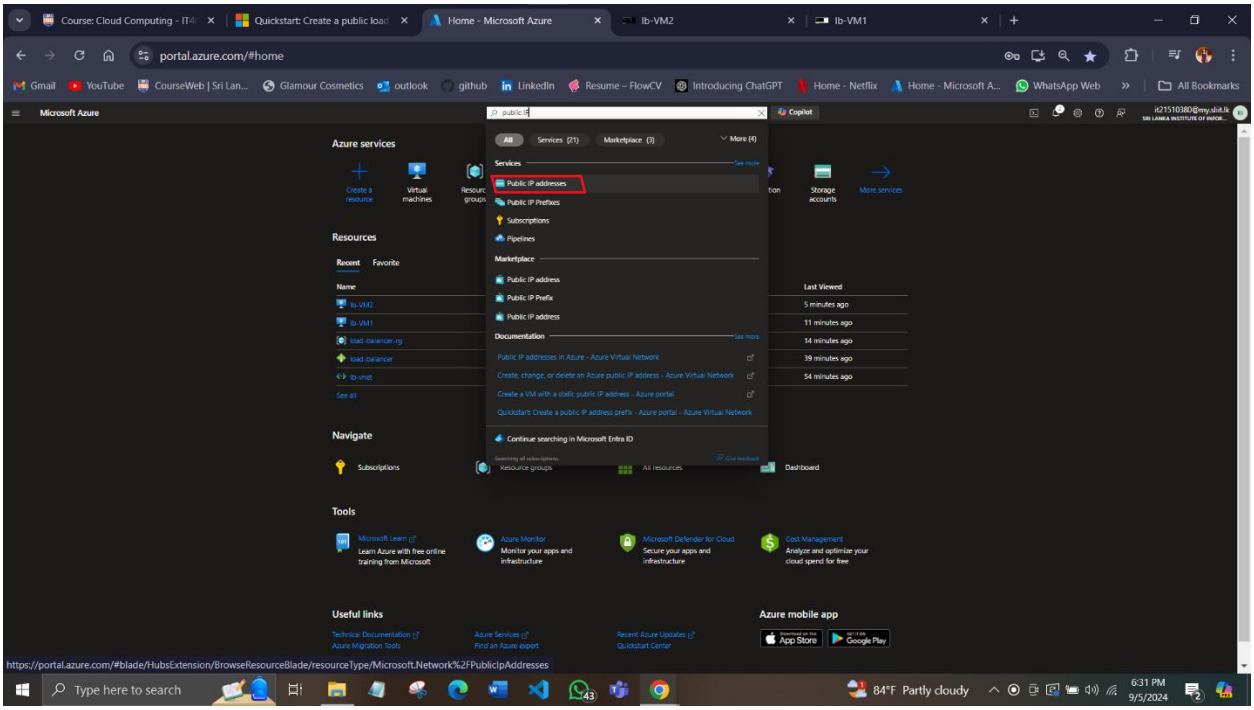

Course: Cloud Computing - IT4
Quickstart: Create a public load
lb-VM2 - Microsoft Azure
lb-VM2
lb-VM1
bst-69949015-8bcb-42c0-931e-91bab9ca1e36.bastion.azure.com/#/client/bGltVk0yAGMAYmlmcm9zdA==?trustedAuthority=https%2F%2Fhybridnetworking.hosting.portal.az...
Gmail
YouTube
CourseWeb | Sri Lan...
Glamour Cosmetics
outlook
github
LinkedIn
Resume – FlowCV
Introducing ChatGPT
Home - Netflix
Home - Microsoft A...
WhatsApp Web
All Bookmarks
Administrator: Windows PowerShell
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.
Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows
PS C:\Users\lab_4> # Install IIS server role
>> Install-WindowsFeature -name Web-Server -IncludeManagementTools
>>
>> # Remove default htm file
>> Remove-Item C:\inetpub\wwwroot\iisstart.htm
>>
>> # Add a new htm file that displays server name
>> Add-Content -Path "C:\inetpub\wwwroot\iisstart.htm" -Value $("Hello World from " + $env:computername)
Success Restart Needed Exit Code Feature Result
------- -------------- --------- --------------
True No Success {Common HTTP Features, Default Document, D...
PS C:\Users\lab_4>
Type here to search
12:59 PM
9/5/2024
Type here to search
83°F Mostly cloudy
6:29 PM
9/5/2024

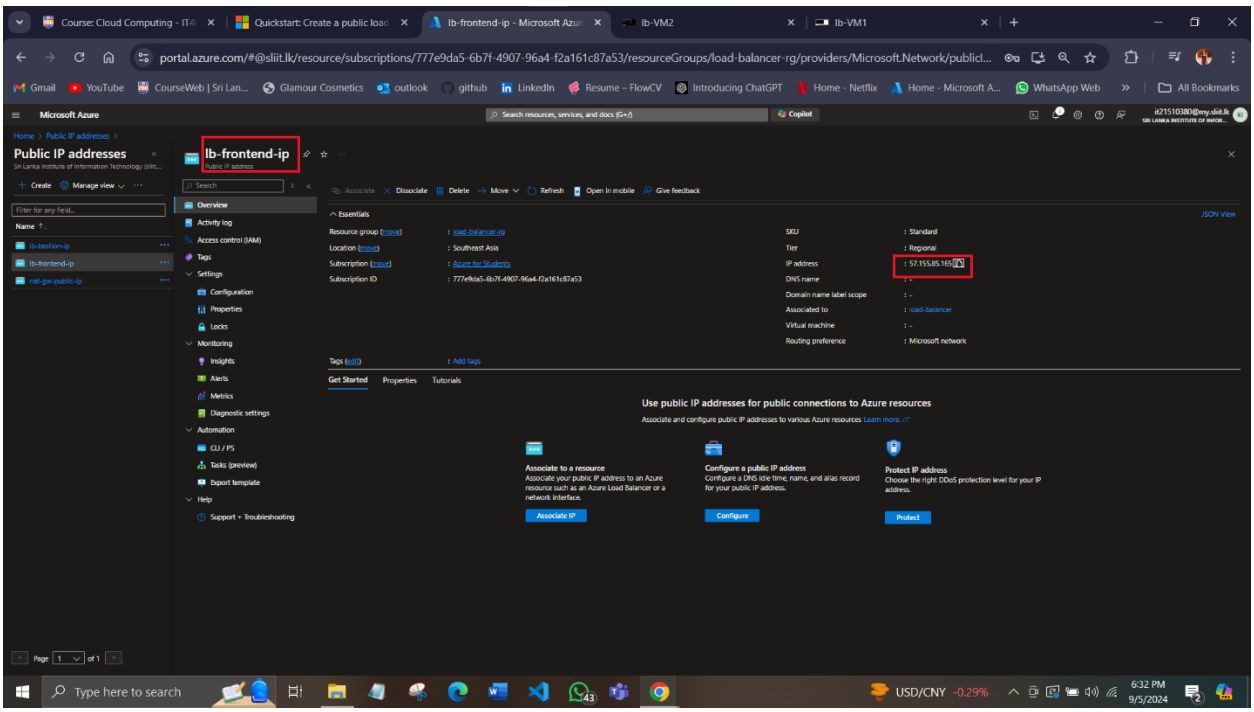
Test the load balancer

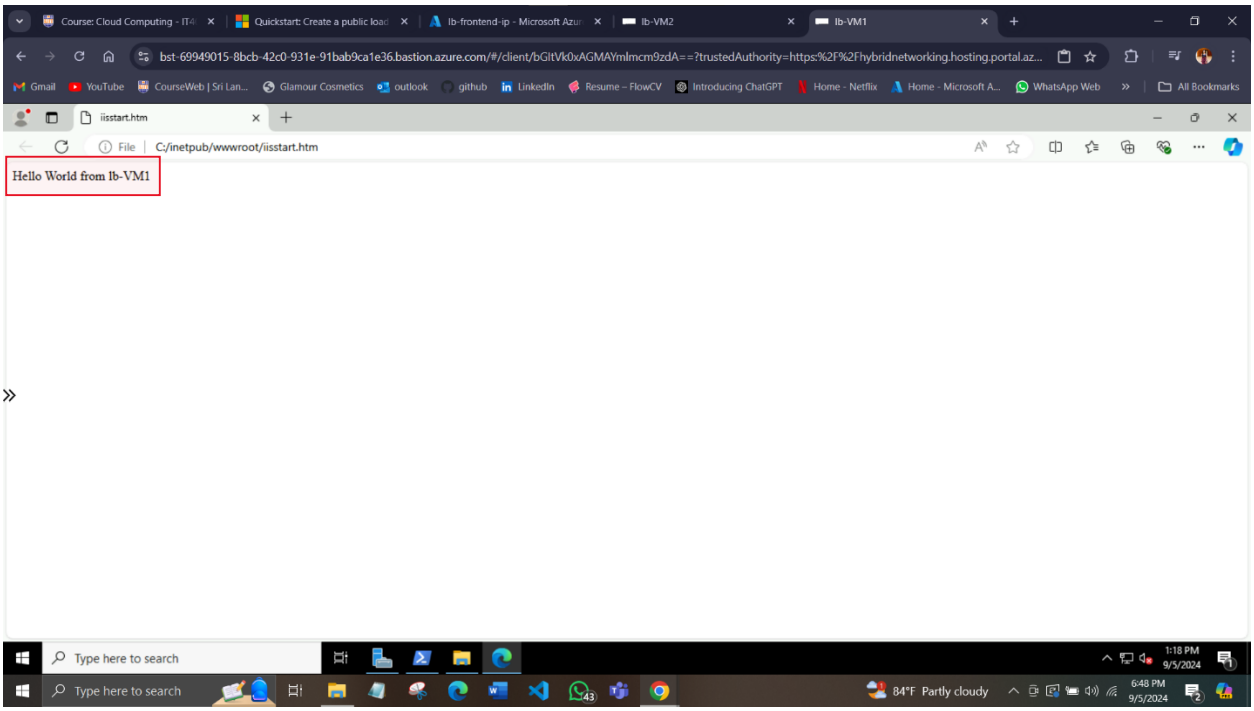
1. In the search box at the top of the page, enter Public IP. Select Public IP addresses in the search results.

2. In Public IP addresses, select frontend-ip.

3. Copy the item in IP address. Paste the public IP into the address bar of your browser. The custom VM page of the IIS Web server is displayed in the browser.

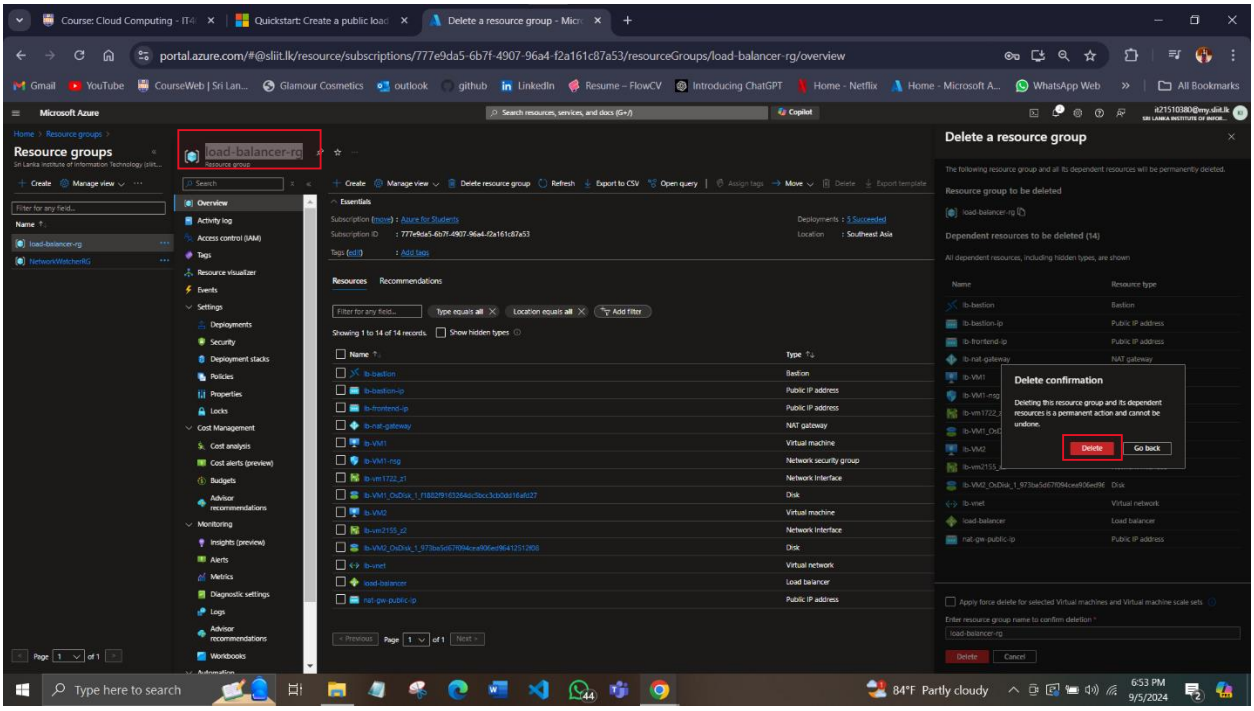


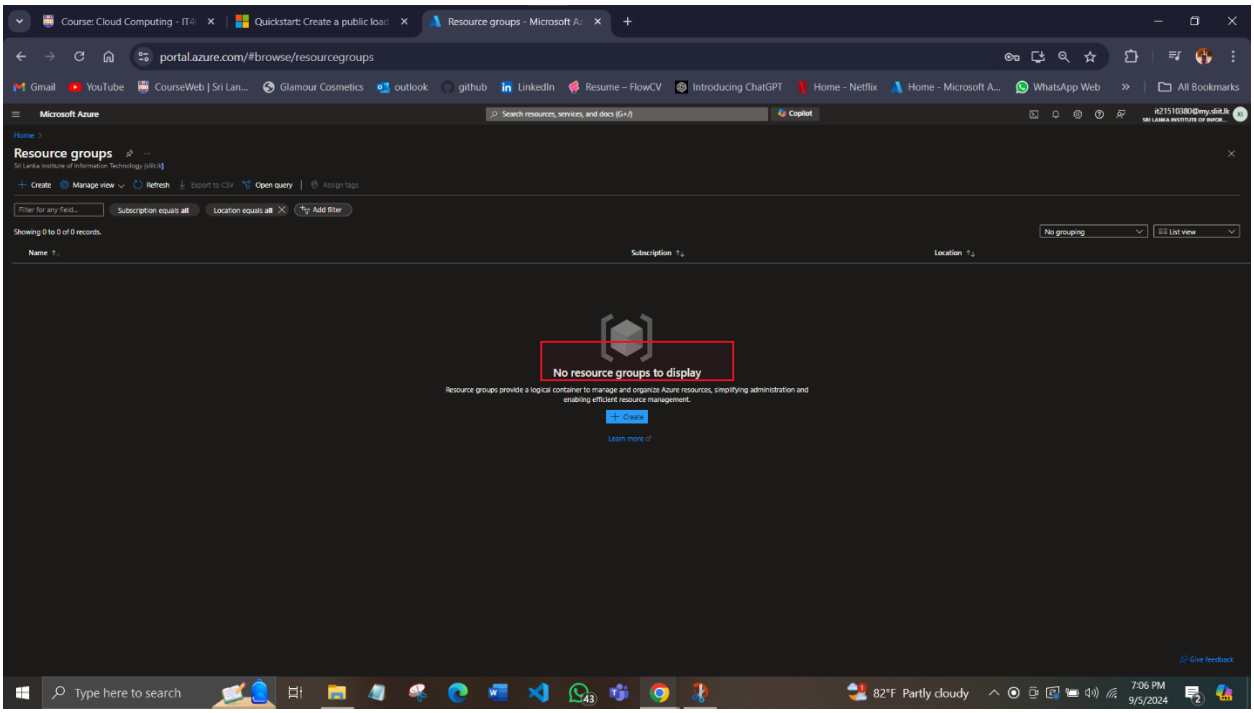




»

Clean up resources




Course: Cloud Computing - IT4
Quickstart: Create a public load
Resource groups - Microsoft Az
portal.azure.com/#browse/resourcegroups
Gmail
YouTube
CourseWeb | Sri Lan...
Glamour Cosmetics
outlook
github
LinkedIn
Resume – FlowCV
Introducing ChatGPT
Home - Netflix
Home - Microsoft A...
WhatsApp Web
All Bookmarks
Microsoft Azure
Search resources, services, and docs (G+/)
Copilot
Home
Resource groups
Create
Manage view
Refresh
Export to CSV
Open query
Assign tags
Filter for any field...
Subscription equals all
Location equals all
Add filter
Showing 0 to 0 of 0 records.
No grouping
List view
Name
Subscription
Location
No resource groups to display
Resource groups provide a logical container to manage and organize Azure resources, simplifying administration and enabling efficient resource management.
Create
Learn more
Give feedback
Type here to search
82°F Partly cloudy
7:06 PM
9/5/2024