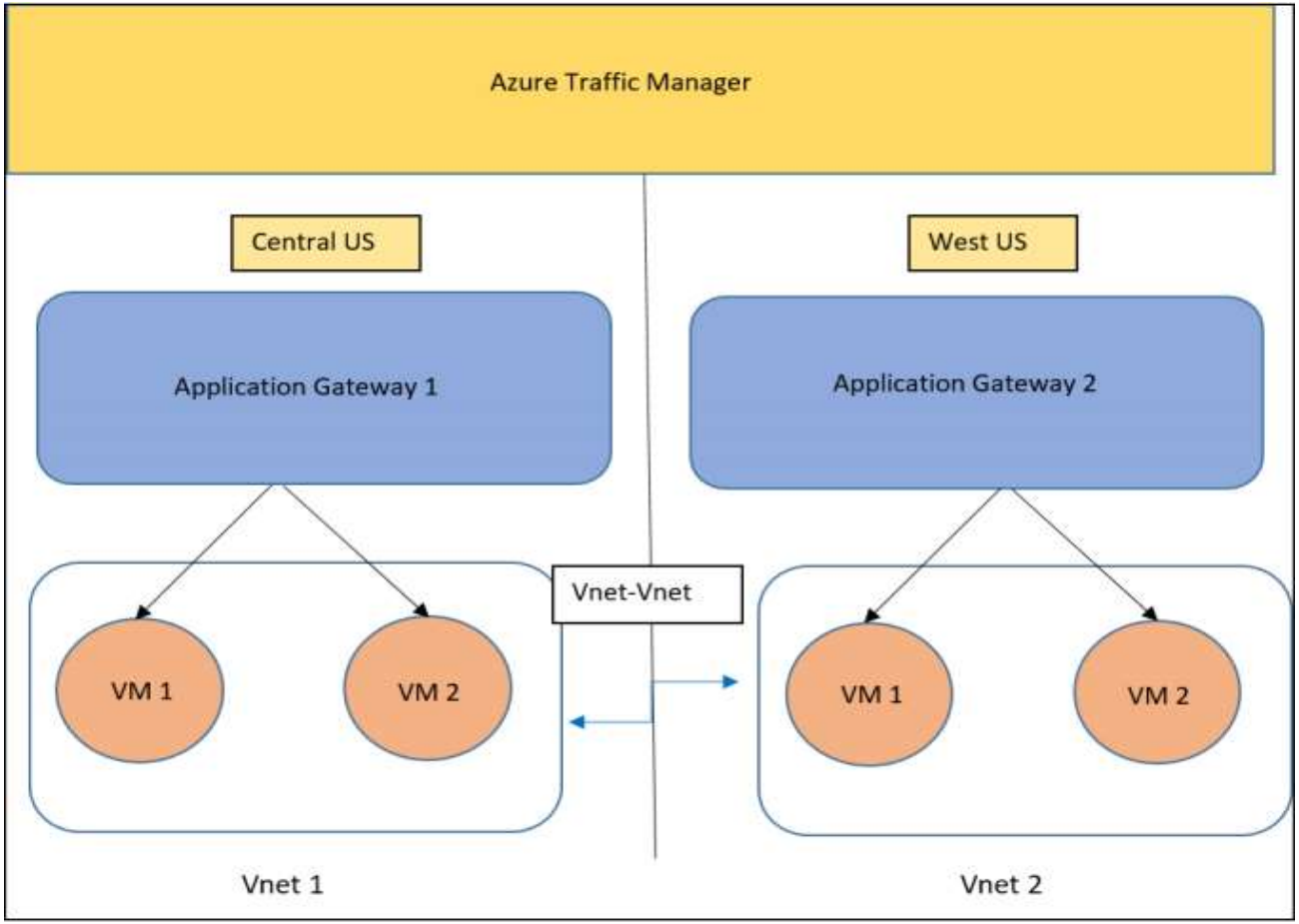
Azure Administrator Course AZ-104 Training
support@intellipaat.com - +91-7022374614 - US: 1-800-216-8930 (Toll Free)

Azure Capstone-Project COMPLETED by Nagesha KS
Please check the following screenshots for each question.

You work as an Azure professional for a Corporation. You are assigned the task of implementing the below architecture for the company's website.



There are three web pages to be deployed:

1. The home page is the default page (VM2)
2. The upload page is where you can upload the files to your Azure Blob Storage (VM1)
3. The error page for 403 and 502 errors

Application Gateway has to be configured in the following manner:

1. Example.com should be pointed to the home page
2. Example.com/upload should be pointed to the upload page
3. Application Gateway's error pages should be pointed to error.html which should be hosted as a static website in Azure Containers. The error.html file is present in the GitHub repository

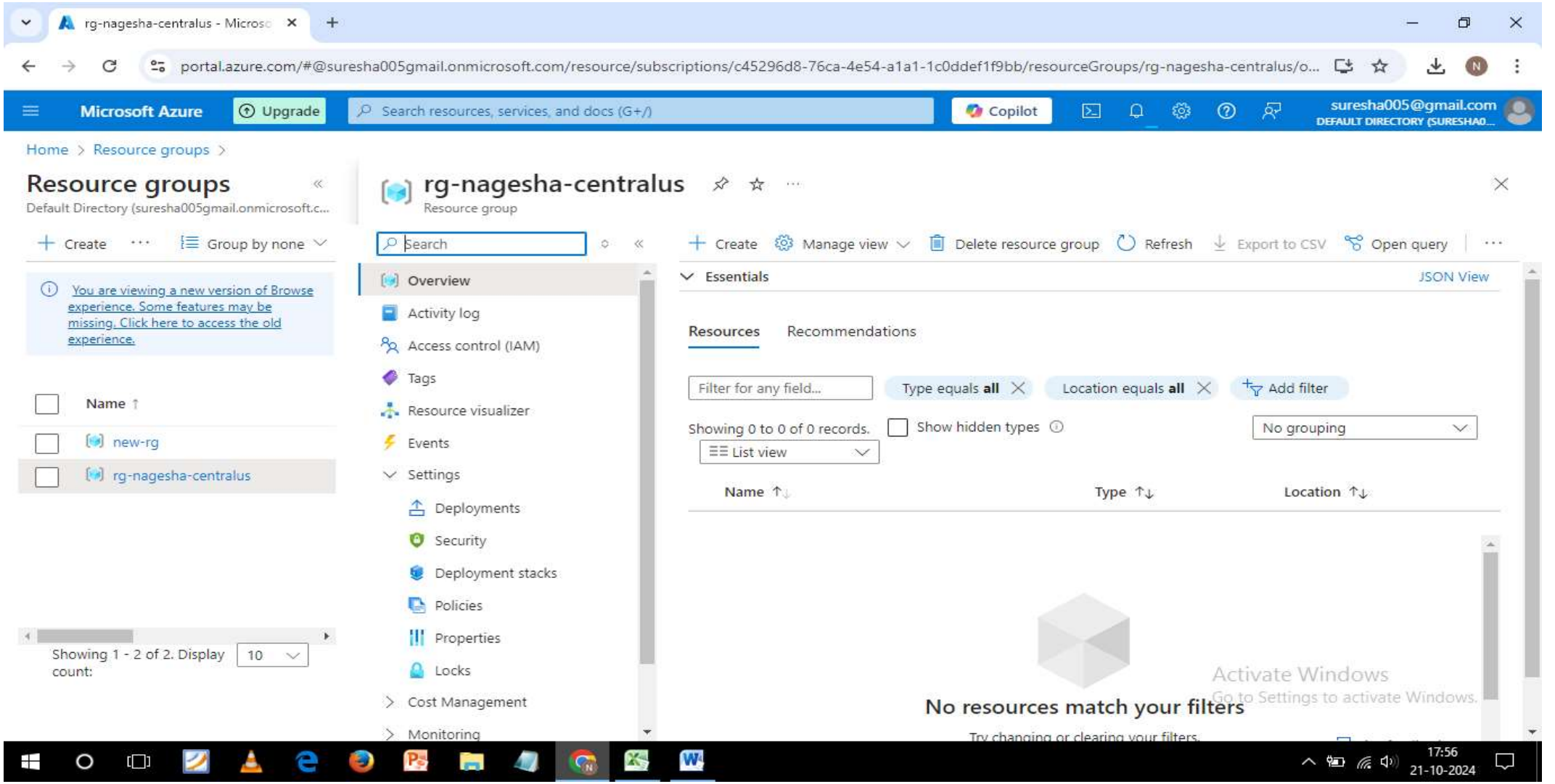
The term 'Example' here refers to the Traffic Manager's domain name.
The client wants you to deploy them in the Central US and the West US regions such that the traffic is distributed optimally between both regions.

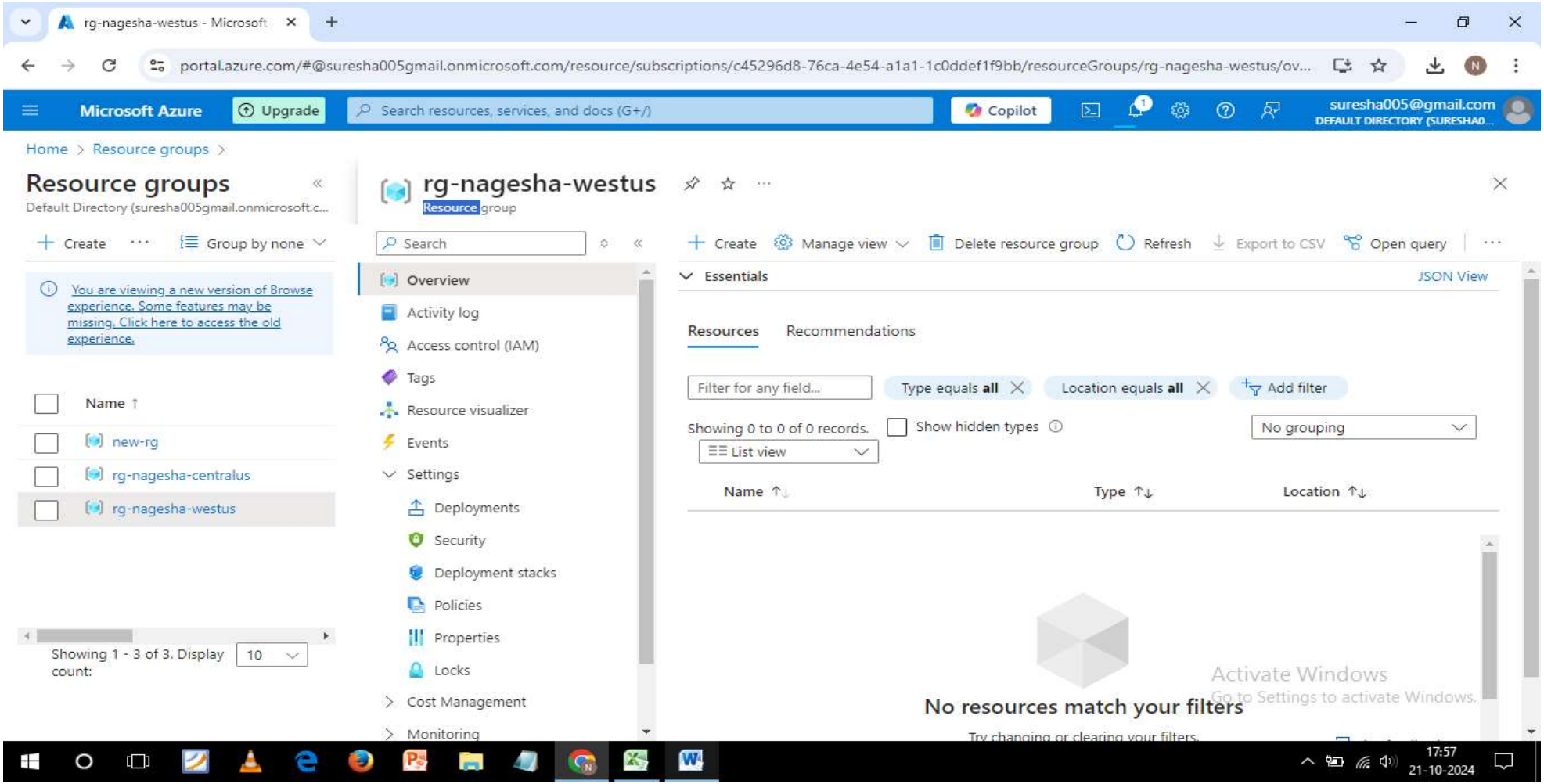
S**torage Account has to be configured in the following manner:**

1. You need to host your error.html as a static website here, and then point the application gateway's 403 and 502 errors to it.
2. Create a container named upload, this will be used by your code to upload the files

Technical specifications for the deployments are as follows:

1. Deployments in both regions should have VMs inside VNets.
2. Clone the GitHub repo https://github.com/azcloudberg/azproject to all the VMs.
3. On VM1, please run vm1.sh this will deploy the upload page, on VM2 please run VM2.sh, this will install the home page.
4. For running the scripts, please run the following command inside the GitHub directory from the terminal.
   VM1: ./vm1.sh
   VM2: ./vm2.sh
5. After running the scripts, please edit the config.py file on VM1, and enter the details related to your storage account where the files will be uploaded.
6. Once done, please run the following command: **sudo python3 app.py**
7. Both regions should be connected to each other using VNet-VNet Peering.
8. Finally, your Traffic Manager should be pointing to the application gateway of both the regions.


rg-nagesha-centralus - Microso
portal.azure.com/#@suresha005gmail.onmicrosoft.com/resource/subscriptions/c45296d8-76ca-4e54-a1a1-1c0ddef1f9bb/resourceGroups/rg-nagesha-centralus/o...
Microsoft Azure
Upgrade
Search resources, services, and docs (G+/)
Copilot
suresha005@gmail.com
DEFAULT DIRECTORY (SURESHA0...
Home > Resource groups >
Resource groups
Default Directory (suresha005gmail.onmicrosoft.c...
Create
Group by none
You are viewing a new version of Browse experience. Some features may be missing. Click here to access the old experience.
Name
new-rg
rg-nagesha-centralus
Showing 1 - 2 of 2. Display count:
10
rg-nagesha-centralus
Resource group
Search
Overview
Activity log
Access control (IAM)
Tags
Resource visualizer
Events
Settings
Deployments
Security
Deployment stacks
Policies
Properties
Locks
Cost Management
Monitoring
Create
Manage view
Delete resource group
Refresh
Export to CSV
Open query
Essentials
JSON View
Resources
Recommendations
Filter for any field...
Type equals all
Location equals all
Add filter
Showing 0 to 0 of 0 records.
Show hidden types
No grouping
List view
Name
Type
Location
No resources match your filters
Try changing or clearing your filters.
Activate Windows
Go to Settings to activate Windows.
17:56
21-10-2024


rg-nagesha-westus - Microsoft
portal.azure.com/#@suresha005gmail.onmicrosoft.com/resource/subscriptions/c45296d8-76ca-4e54-a1a1-1c0ddef1f9bb/resourceGroups/rg-nagesha-westus/ov...
Microsoft Azure
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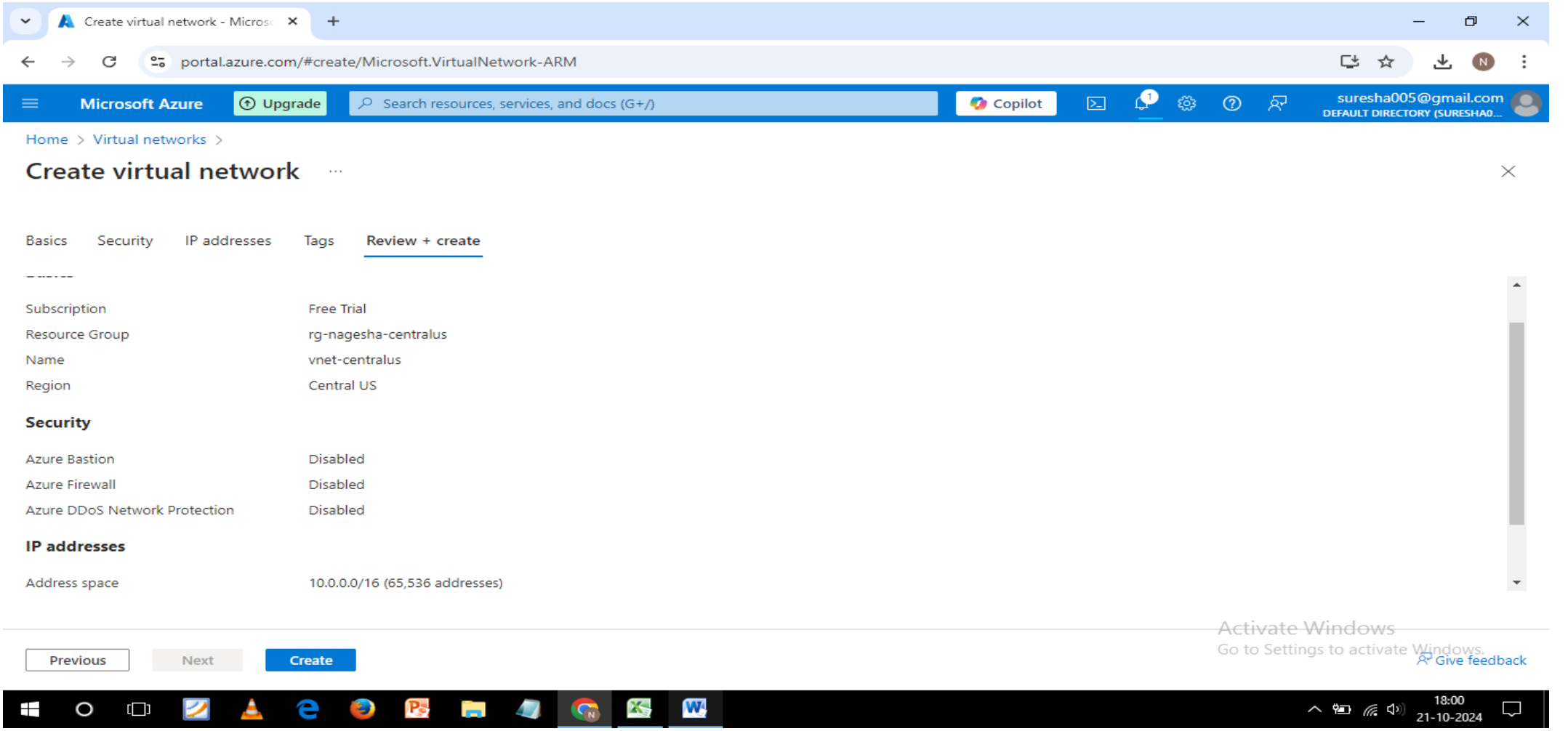
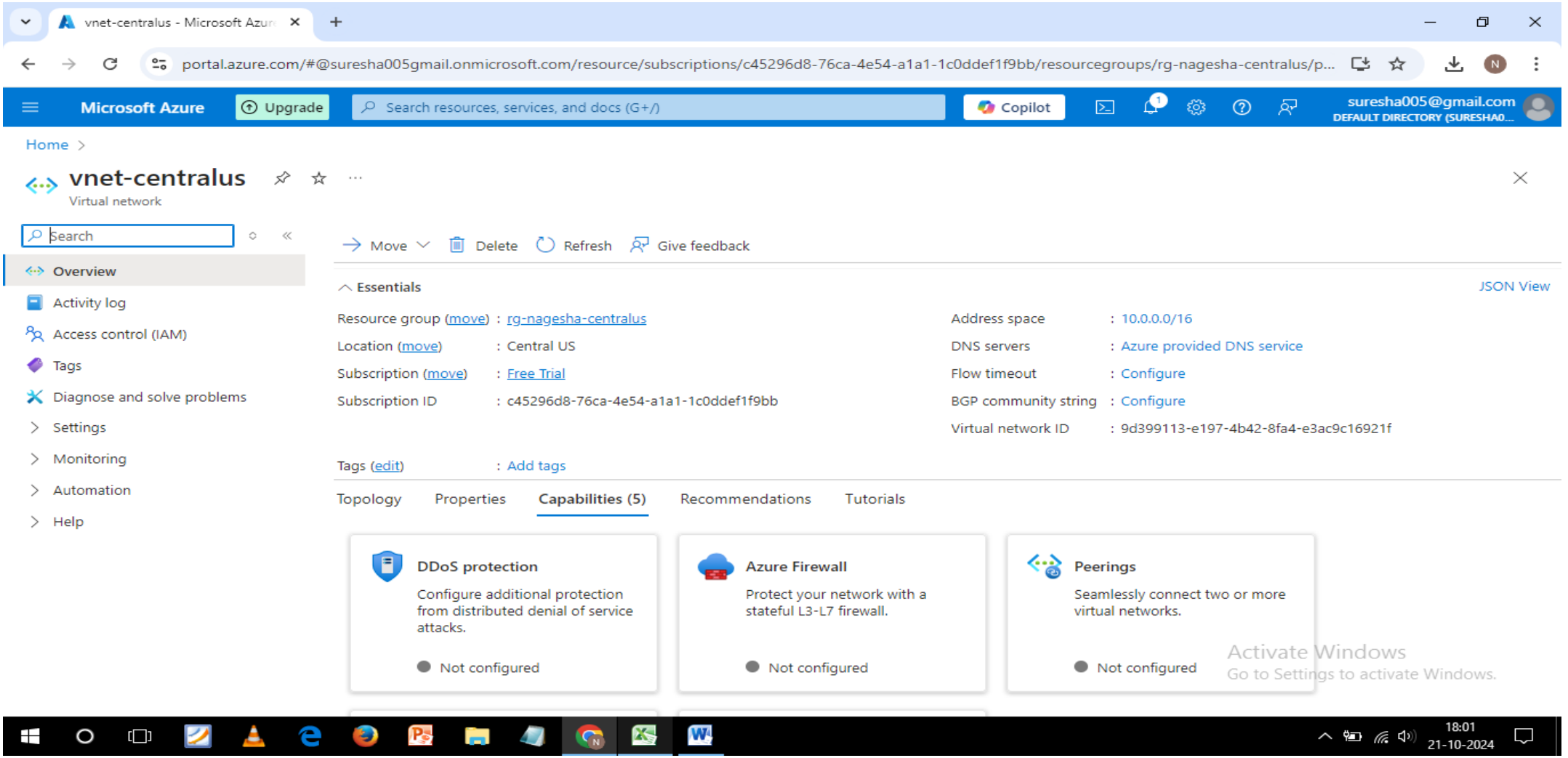
Search resources, services, and docs (G+/)
Copilot
suresha005@gmail.com
DEFAULT DIRECTORY (SURESHA0...
Home > Resource groups >
Resource groups
Default Directory (suresha005gmail.onmicrosoft.c...
Create
Group by none
You are viewing a new version of Browse experience. Some features may be missing. Click here to access the old experience.
Name
new-rg
rg-nagesha-centralus
rg-nagesha-westus
Showing 1 - 3 of 3. Display count:
10
rg-nagesha-westus
Resource group
Search
Overview
Activity log
Access control (IAM)
Tags
Resource visualizer
Events
Settings
Deployments
Security
Deployment stacks
Policies
Properties
Locks
Cost Management
Monitoring
Create
Manage view
Delete resource group
Refresh
Export to CSV
Open query
Essentials
JSON View
Resources
Recommendations
Filter for any field...
Type equals all
Location equals all
Add filter
Showing 0 to 0 of 0 records.
Show hidden types
No grouping
List view
Name
Type
Location
No resources match your filters
Try changing or clearing your filters.
Activate Windows
Go to Settings to activate Windows.
17:57
21-10-2024


Create virtual network - Micros
portal.azure.com/#create/Microsoft.VirtualNetwork-ARM
Microsoft Azure
Upgrade
Search resources, services, and docs (G+/)
Copilot
suresha005@gmail.com
DEFAULT DIRECTORY (SURESHA0...
Home > Virtual networks >
Create virtual network
Basics
Security
IP addresses
Tags
Review + create
Subscription
Free Trial
Resource Group
rg-nagesha-centralus
Name
vnet-centralus
Region
Central US
Security
Azure Bastion
Disabled
Azure Firewall
Disabled
Azure DDoS Network Protection
Disabled
IP addresses
Address space
10.0.0.0/16 (65,536 addresses)
Activate Windows
Go to Settings to activate Windows.
Previous
Next
Create
Give feedback
18:00
21-10-2024


vnet-centralus - Microsoft Azure
portal.azure.com/#@suresha005gmail.onmicrosoft.com/resource/subscriptions/c45296d8-76ca-4e54-a1a1-1c0ddef1f9bb/resourcegroups/rg-nagesha-centralus/p...
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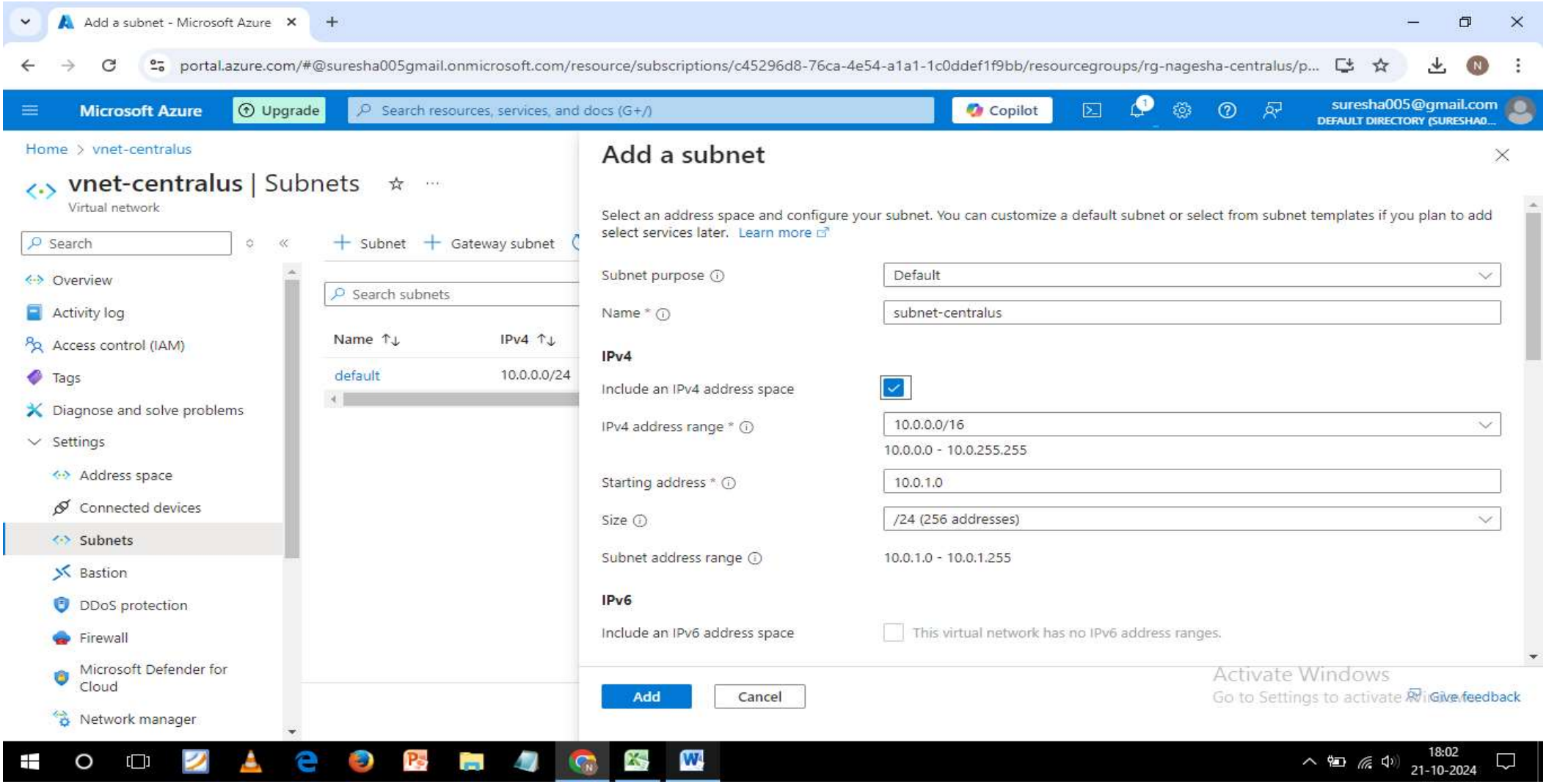
DEFAULT DIRECTORY (SURESHA0...
Home
vnet-centralus
Virtual network
Search
Overview
Activity log
Access control (IAM)
Tags
Diagnose and solve problems
Settings
Monitoring
Automation
Help
Move
Delete
Refresh
Give feedback
Essentials
JSON View
Resource group (move) : rg-nagesha-centralus
Location (move) : Central US
Subscription (move) : Free Trial
Subscription ID : c45296d8-76ca-4e54-a1a1-1c0ddef1f9bb
Address space : 10.0.0.0/16
DNS servers : Azure provided DNS service
Flow timeout : Configure
BGP community string : Configure
Virtual network ID : 9d399113-e197-4b42-8fa4-e3ac9c16921f
Tags (edit) : Add tags
Topology
Properties
Capabilities (5)
Recommendations
Tutorials
DDoS protection
Configure additional protection from distributed denial of service attacks.
Not configured
Azure Firewall
Protect your network with a stateful L3-L7 firewall.
Not configured
Peerings
Seamlessly connect two or more virtual networks.
Not configured
Activate Windows
Go to Settings to activate Windows.
18:01
21-10-2024


Add a subnet - Microsoft Azure
portal.azure.com/#@suresha005gmail.onmicrosoft.com/resource/subscriptions/c45296d8-76ca-4e54-a1a1-1c0ddef1f9bb/resourcegroups/rg-nagesha-centralus/p...
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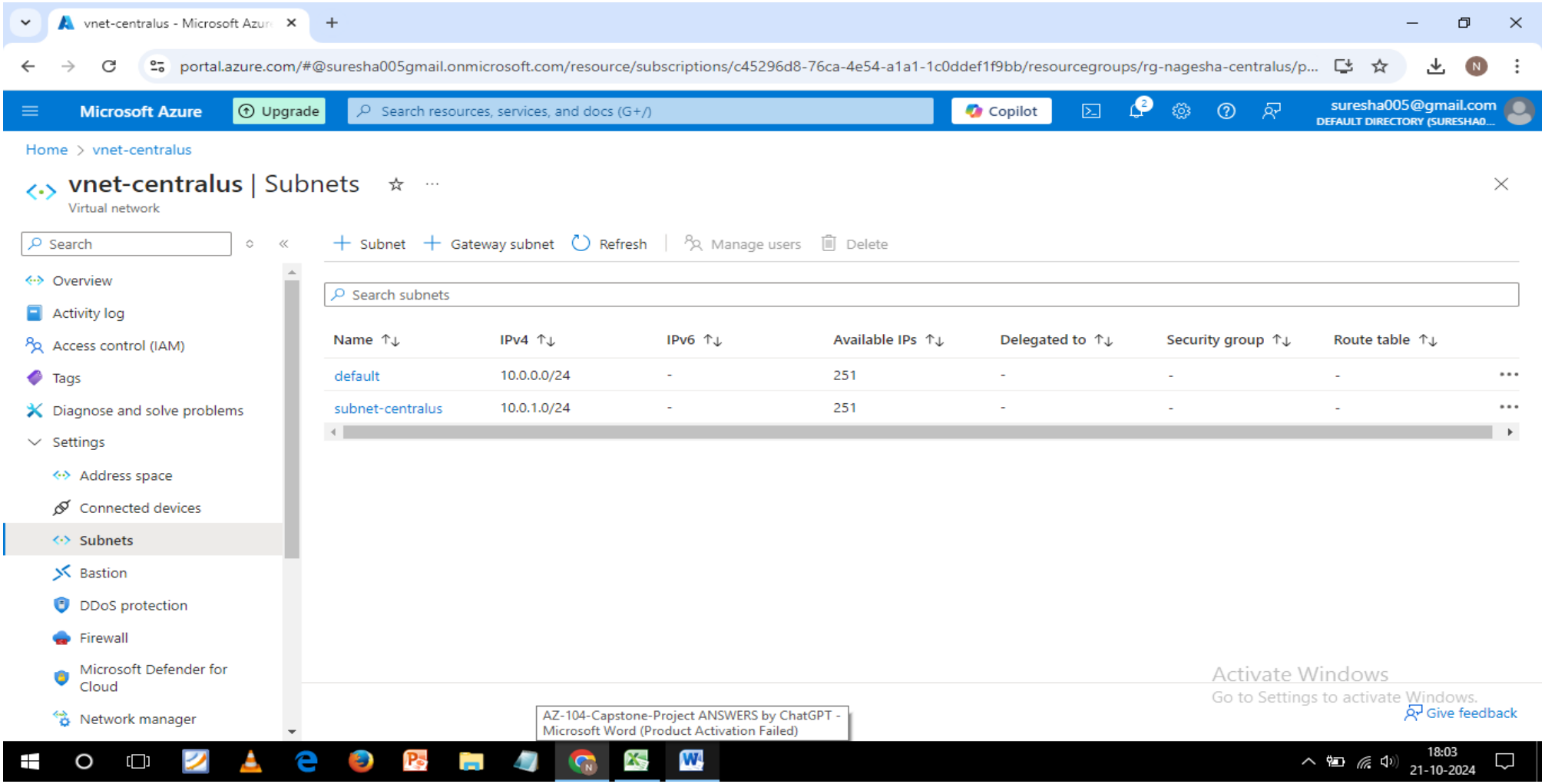
DEFAULT DIRECTORY (SURESHA0...
Home > vnet-centralus
vnet-centralus | Subnets
Virtual network
Search
Overview
Activity log
Access control (IAM)
Tags
Diagnose and solve problems
Settings
Address space
Connected devices
Subnets
Bastion
DDoS protection
Firewall
Microsoft Defender for Cloud
Network manager
Subnet
Gateway subnet
Search subnets
Name
IPv4
default
10.0.0.0/24
Add a subnet
Select an address space and configure your subnet. You can customize a default subnet or select from subnet templates if you plan to add select services later. Learn more
Subnet purpose
Default
Name *
subnet-centralus
IPv4
Include an IPv4 address space
IPv4 address range *
10.0.0.0/16
10.0.0.0 - 10.0.255.255
Starting address *
10.0.1.0
Size
/24 (256 addresses)
Subnet address range
10.0.1.0 - 10.0.1.255
IPv6
Include an IPv6 address space
This virtual network has no IPv6 address ranges.
Add
Cancel
Activate Windows
Go to Settings to activate Windows.
Give feedback
18:02
21-10-2024


vnet-centralus - Microsoft Azure
portal.azure.com/#@suresha005gmail.onmicrosoft.com/resource/subscriptions/c45296d8-76ca-4e54-a1a1-1c0ddef1f9bb/resourcegroups/rg-nagesha-centralus/p...
Microsoft Azure
Upgrade
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Copilot
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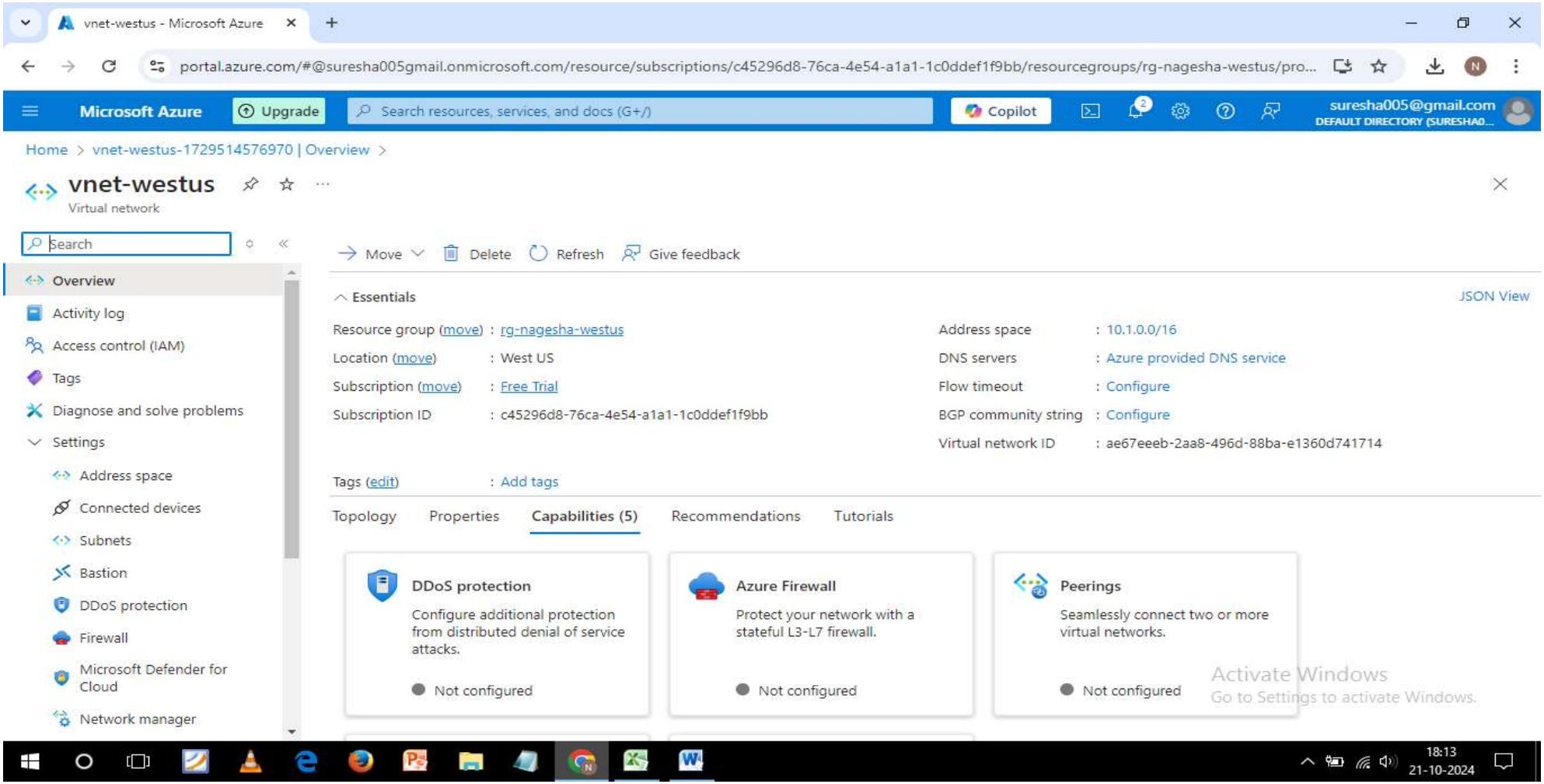
DEFAULT DIRECTORY (SURESHA0...
Home > vnet-centralus
vnet-centralus | Subnets
Virtual network
Search
Overview
Activity log
Access control (IAM)
Tags
Diagnose and solve problems
Settings
Address space
Connected devices
Subnets
Bastion
DDoS protection
Firewall
Microsoft Defender for Cloud
Network manager
Subnet
Gateway subnet
Refresh
Manage users
Delete
Search subnets
Name
IPv4
IPv6
Available IPs
Delegated to
Security group
Route table
default
10.0.0.0/24
-
251
-
-
-
subnet-centralus
10.0.1.0/24
-
251
-
-
-
Activate Windows
Go to Settings to activate Windows.
Give feedback
AZ-104-Capstone-Project ANSWERS by ChatGPT - Microsoft Word (Product Activation Failed)
18:03
21-10-2024


vnet-westus - Microsoft Azure
portal.azure.com/#@suresha005gmail.onmicrosoft.com/resource/subscriptions/c45296d8-76ca-4e54-a1a1-1c0ddef1f9bb/resourcegroups/rg-nagesha-westus/pro...
Microsoft Azure
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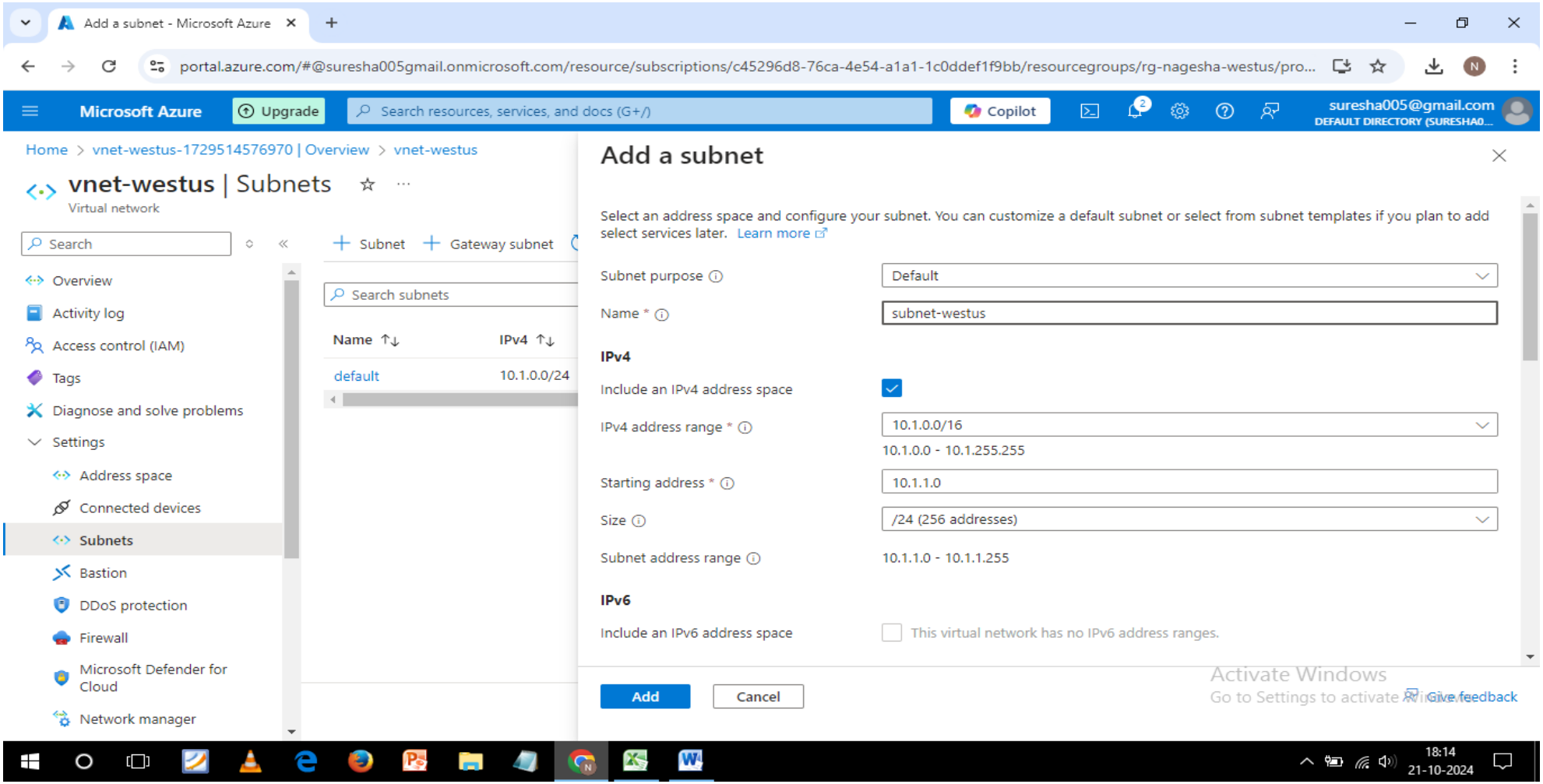
Copilot
suresha005@gmail.com
DEFAULT DIRECTORY (SURESHA0...
Home > vnet-westus-1729514576970 | Overview >
vnet-westus
Virtual network
Search
Overview
Activity log
Access control (IAM)
Tags
Diagnose and solve problems
Settings
Address space
Connected devices
Subnets
Bastion
DDoS protection
Firewall
Microsoft Defender for Cloud
Network manager
Move
Delete
Refresh
Give feedback
Essentials
JSON View
Resource group (move) : rg-nagesha-westus
Location (move) : West US
Subscription (move) : Free Trial
Subscription ID : c45296d8-76ca-4e54-a1a1-1c0ddef1f9bb
Address space : 10.1.0.0/16
DNS servers : Azure provided DNS service
Flow timeout : Configure
BGP community string : Configure
Virtual network ID : ae67eeeb-2aa8-496d-88ba-e1360d741714
Tags (edit) : Add tags
Topology
Properties
Capabilities (5)
Recommendations
Tutorials
DDoS protection
Configure additional protection from distributed denial of service attacks.
Not configured
Azure Firewall
Protect your network with a stateful L3-L7 firewall.
Not configured
Peerings
Seamlessly connect two or more virtual networks.
Not configured
Activate Windows
Go to Settings to activate Windows.
18:13
21-10-2024


Add a subnet - Microsoft Azure
portal.azure.com/#@suresha005gmail.onmicrosoft.com/resource/subscriptions/c45296d8-76ca-4e54-a1a1-1c0ddef1f9bb/resourcegroups/rg-nagesha-westus/pro...
Microsoft Azure
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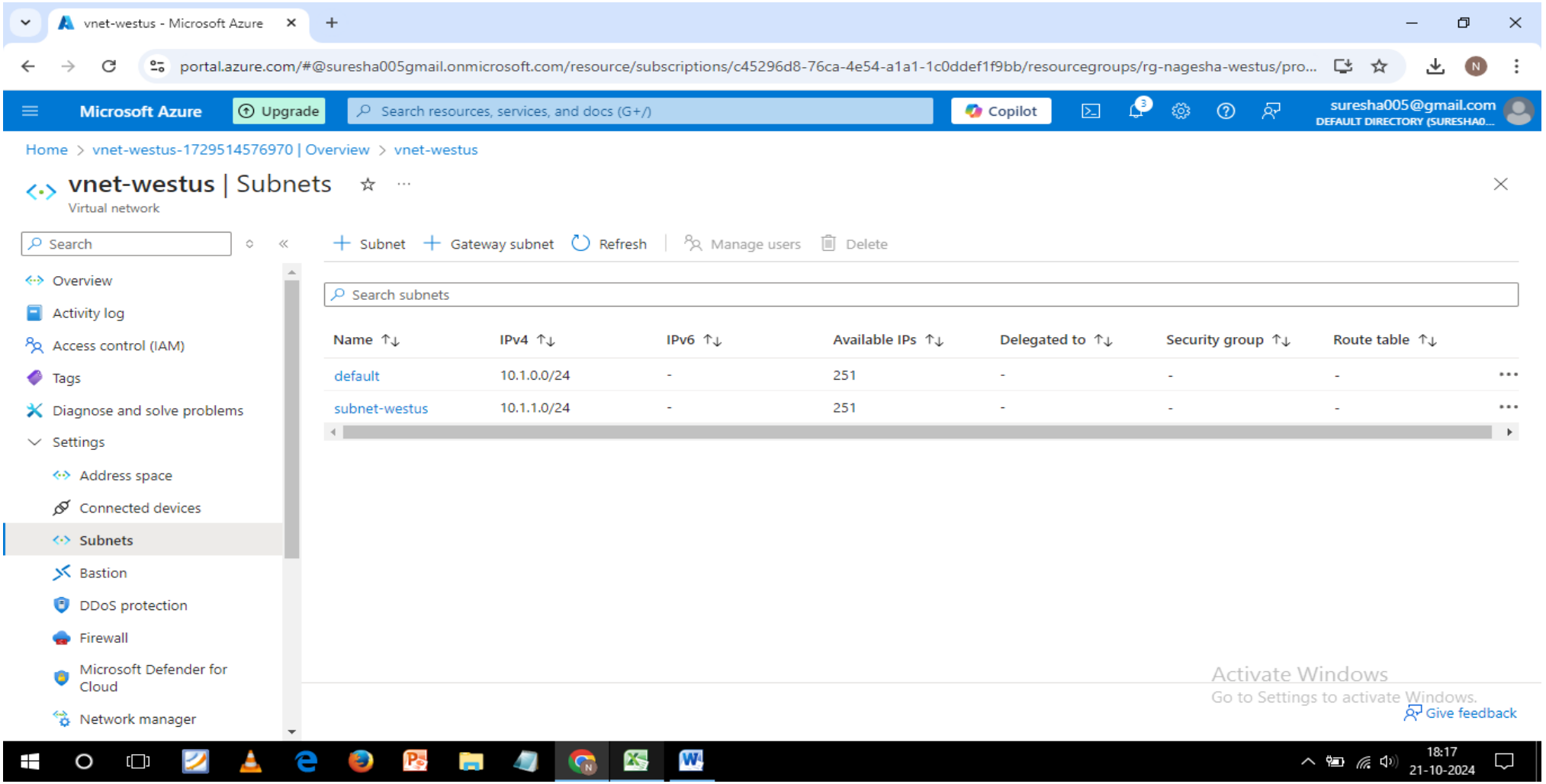
Copilot
suresha005@gmail.com
DEFAULT DIRECTORY (SURESHA0...
Home > vnet-westus-1729514576970 | Overview > vnet-westus
vnet-westus | Subnets
Virtual network
Search
Overview
Activity log
Access control (IAM)
Tags
Diagnose and solve problems
Settings
Address space
Connected devices
Subnets
Bastion
DDoS protection
Firewall
Microsoft Defender for Cloud
Network manager
Subnet
Gateway subnet
Search subnets
Name
IPv4
default
10.1.0.0/24
Add a subnet
Select an address space and configure your subnet. You can customize a default subnet or select from subnet templates if you plan to add select services later. Learn more
Subnet purpose
Default
Name *
subnet-westus
IPv4
Include an IPv4 address space
IPv4 address range *
10.1.0.0/16
10.1.0.0 - 10.1.255.255
Starting address *
10.1.1.0
Size
/24 (256 addresses)
Subnet address range
10.1.1.0 - 10.1.1.255
IPv6
Include an IPv6 address space
This virtual network has no IPv6 address ranges.
Add
Cancel
Activate Windows
Go to Settings to activate Windows.
Give feedback
18:14
21-10-2024


vnet-westus - Microsoft Azure
portal.azure.com/#@suresha005gmail.onmicrosoft.com/resource/subscriptions/c45296d8-76ca-4e54-a1a1-1c0ddef1f9bb/resourcegroups/rg-nagesha-westus/pro...
Microsoft Azure
Upgrade
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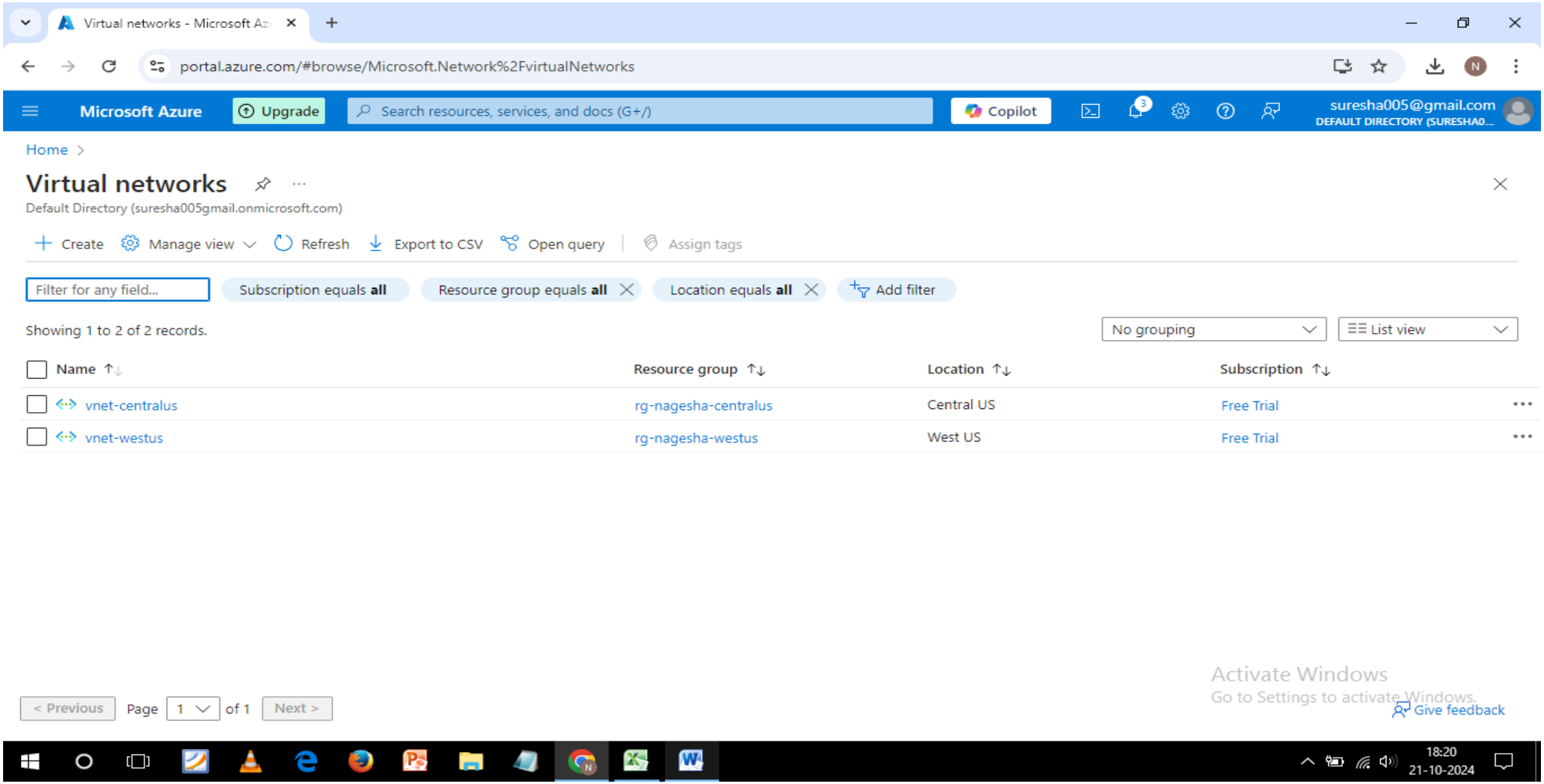
Copilot
suresha005@gmail.com
DEFAULT DIRECTORY (SURESHA0...
Home > vnet-westus-1729514576970 | Overview > vnet-westus
vnet-westus | Subnets
Virtual network
Search
Overview
Activity log
Access control (IAM)
Tags
Diagnose and solve problems
Settings
Address space
Connected devices
Subnets
Bastion
DDoS protection
Firewall
Microsoft Defender for Cloud
Network manager
Subnet
Gateway subnet
Refresh
Manage users
Delete
Search subnets
Name
IPv4
IPv6
Available IPs
Delegated to
Security group
Route table
default
10.1.0.0/24
-
251
-
-
-
subnet-westus
10.1.1.0/24
-
251
-
-
-
Activate Windows
Go to Settings to activate Windows.
Give feedback
18:17
21-10-2024


Virtual networks - Microsoft Az
portal.azure.com/#browse/Microsoft.Network%2FvirtualNetworks
Microsoft Azure
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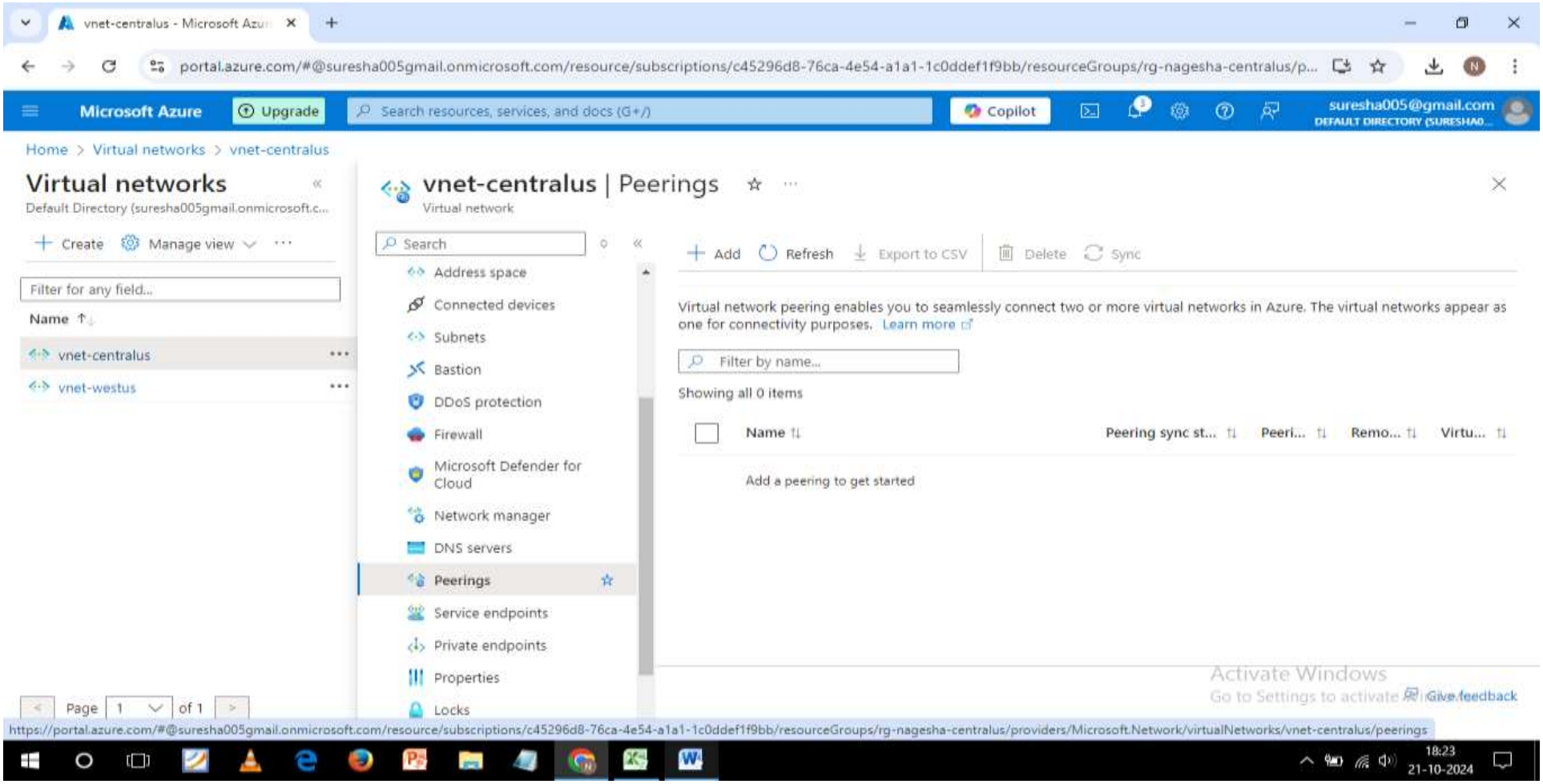
Copilot
suresha005@gmail.com
DEFAULT DIRECTORY (SURESHA0...
Home
Virtual networks
Default Directory (suresha005gmail.onmicrosoft.com)
Create
Manage view
Refresh
Export to CSV
Open query
Assign tags
Filter for any field...
Subscription equals all
Resource group equals all
Location equals all
Add filter
Showing 1 to 2 of 2 records.
No grouping
List view
Name
Resource group
Location
Subscription
vnet-centralus
rg-nagesha-centralus
Central US
Free Trial
vnet-westus
rg-nagesha-westus
West US
Free Trial
Activate Windows
Go to Settings to activate Windows.
Give feedback
< Previous
Page 1 of 1
Next >
18:20
21-10-2024


vnet-centralus - Microsoft Azure
portal.azure.com/#@suresha005gmail.onmicrosoft.com/resource/subscriptions/c45296d8-76ca-4e54-a1a1-1c0ddef1f9bb/resourceGroups/rg-nagesha-centralus/p...
Microsoft Azure
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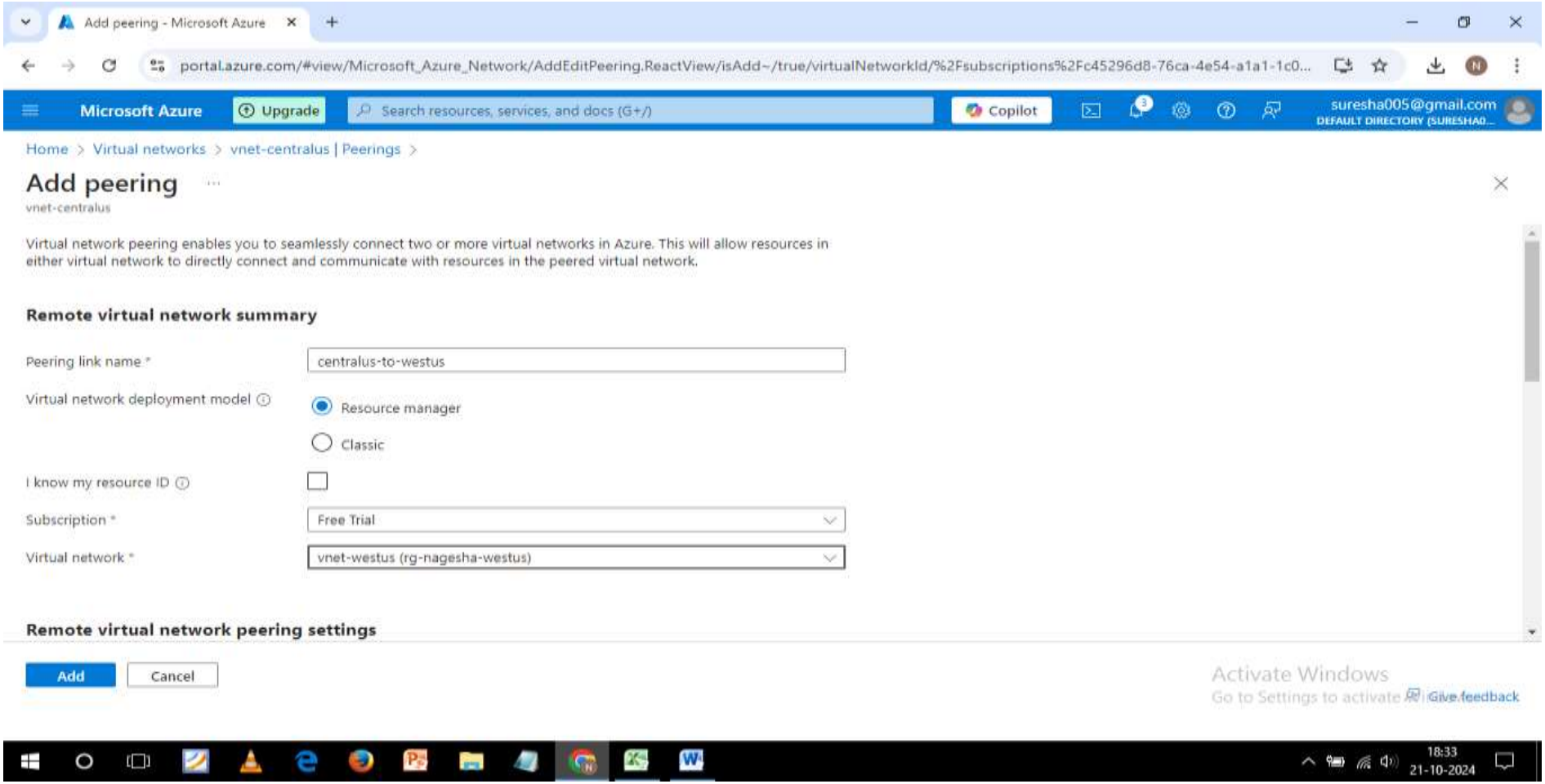
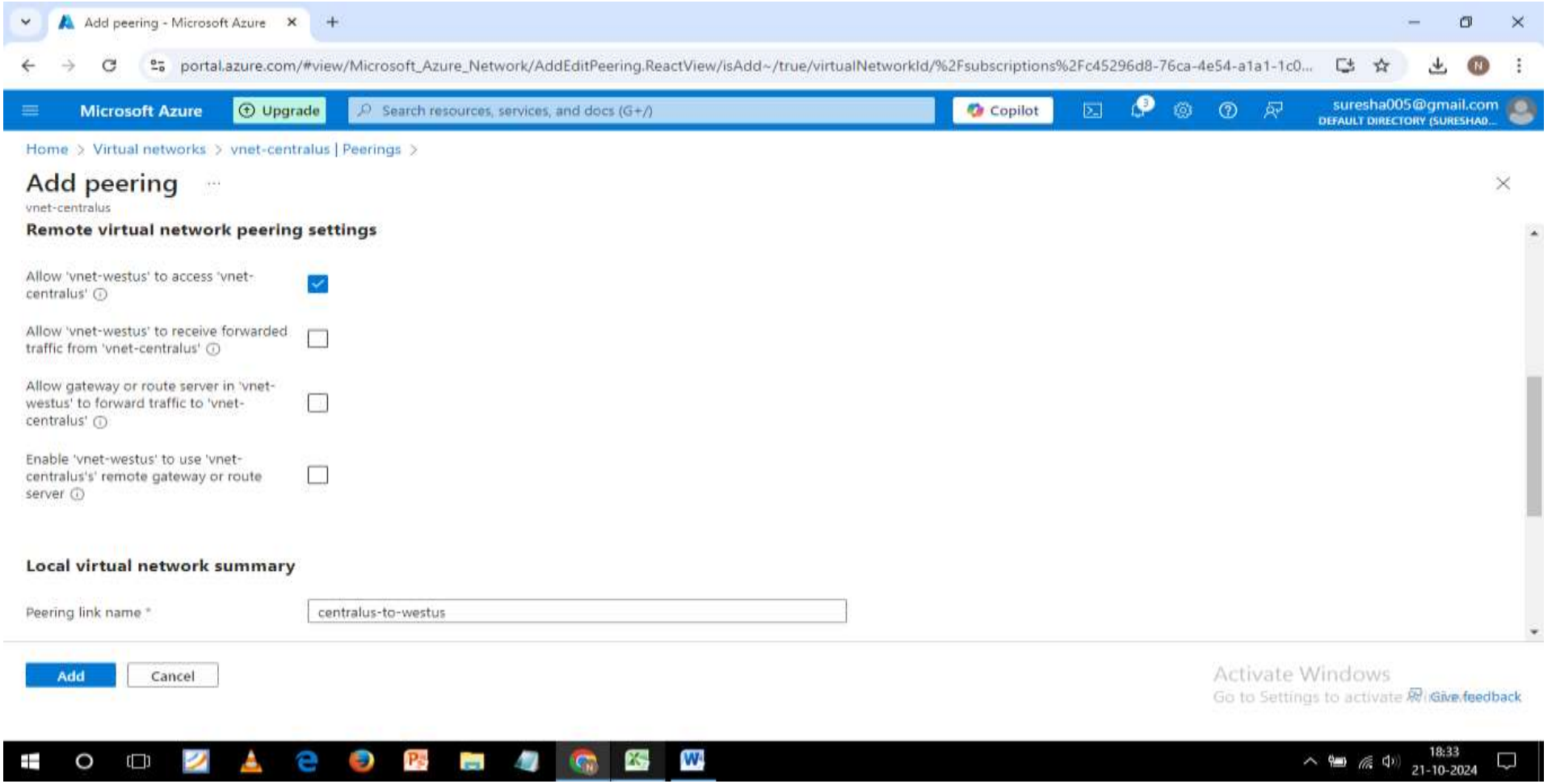
DEFAULT DIRECTORY (SURESHA0...
Home > Virtual networks > vnet-centralus
Virtual networks
Default Directory (suresha005gmail.onmicrosoft.c...
Create
Manage view
Filter for any field...
Name
vnet-centralus
vnet-westus
Page 1 of 1
vnet-centralus | Peerings
Virtual network
Search
Address space
Connected devices
Subnets
Bastion
DDoS protection
Firewall
Microsoft Defender for Cloud
Network manager
DNS servers
Peerings
Service endpoints
Private endpoints
Properties
Locks
Add
Refresh
Export to CSV
Delete
Sync
Virtual network peering enables you to seamlessly connect two or more virtual networks in Azure. The virtual networks appear as one for connectivity purposes. Learn more
Filter by name...
Showing all 0 items
Name
Peering sync st...
Peeri...
Remo...
Virtu...
Add a peering to get started
Activate Windows
Go to Settings to activate Windows.
Give feedback
https://portal.azure.com/#@suresha005gmail.onmicrosoft.com/resource/subscriptions/c45296d8-76ca-4e54-a1a1-1c0ddef1f9bb/resourceGroups/rg-nagesha-centralus/providers/Microsoft.Network/virtualNetworks/vnet-centralus/peerings
18:23
21-10-2024


Add peering - Microsoft Azure
portal.azure.com/#view/Microsoft_Azure_Network/AddEditPeering.ReactView/isAdd~/true/virtualNetworkId/%2Fsubscriptions%2Fc45296d8-76ca-4e54-a1a1-1c0...
Microsoft Azure
Upgrade
Search resources, services, and docs (G+/)
Copilot
suresha005@gmail.com
DEFAULT DIRECTORY (SURESHA0...
Home > Virtual networks > vnet-centralus | Peerings >
Add peering
vnet-centralus
Virtual network peering enables you to seamlessly connect two or more virtual networks in Azure. This will allow resources in either virtual network to directly connect and communicate with resources in the peered virtual network.
Remote virtual network summary
Peering link name *
centralus-to-westus
Virtual network deployment model
Resource manager
Classic
I know my resource ID
Subscription *
Free Trial
Virtual network *
vnet-westus (rg-nagesha-westus)
Remote virtual network peering settings
Add
Cancel
Activate Windows
Go to Settings to activate
Give feedback
18:33
21-10-2024


Add peering - Microsoft Azure
portal.azure.com/#view/Microsoft_Azure_Network/AddEditPeering.ReactView/isAdd~/true/virtualNetworkId/%2Fsubscriptions%2Fc45296d8-76ca-4e54-a1a1-1c0...
Microsoft Azure
Upgrade
Search resources, services, and docs (G+/)
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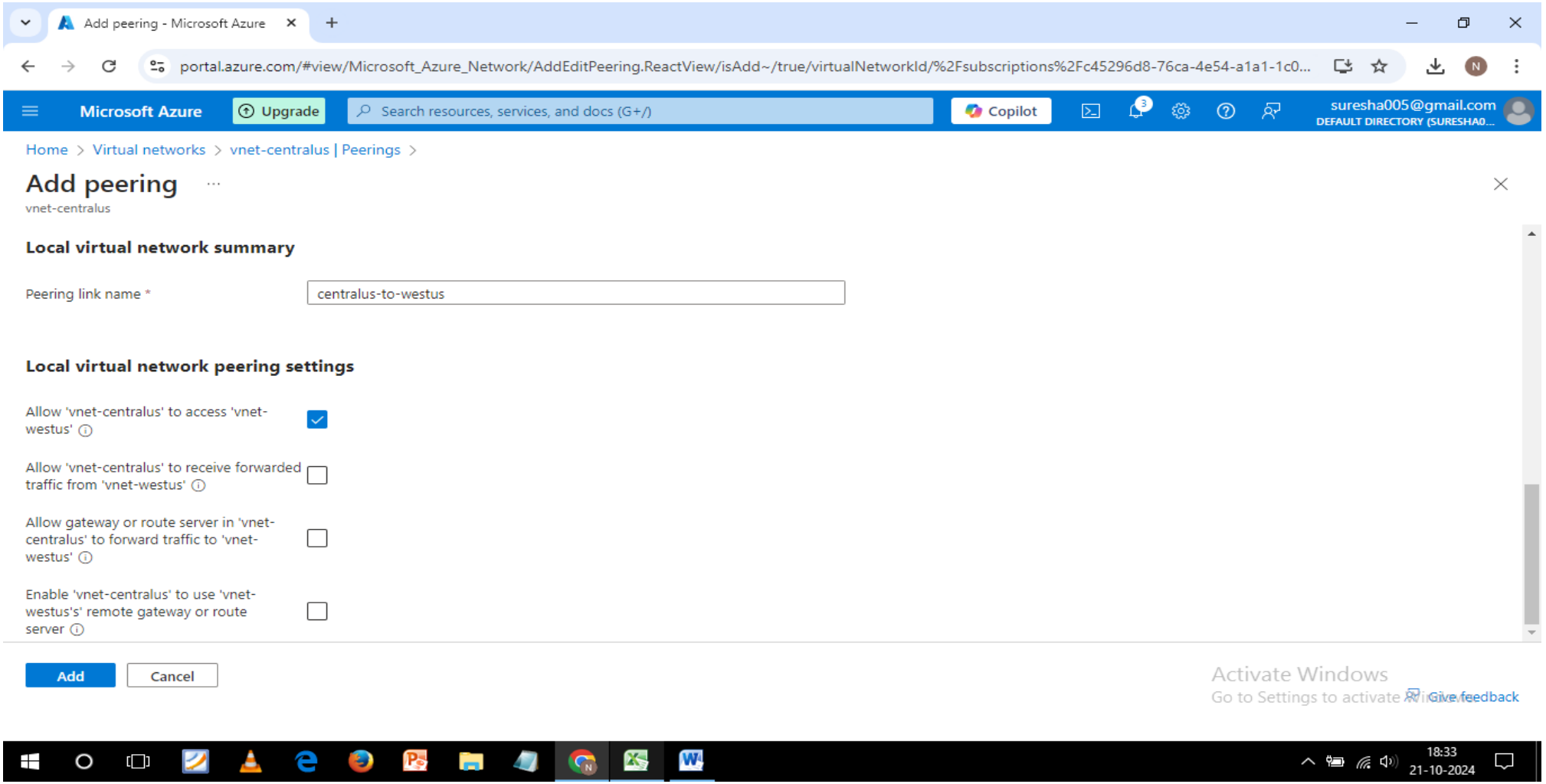
suresha005@gmail.com
DEFAULT DIRECTORY (SURESHA0...
Home > Virtual networks > vnet-centralus | Peerings >
Add peering
vnet-centralus
Remote virtual network peering settings
Allow 'vnet-westus' to access 'vnet-centralus'
Allow 'vnet-westus' to receive forwarded traffic from 'vnet-centralus'
Allow gateway or route server in 'vnet-westus' to forward traffic to 'vnet-centralus'
Enable 'vnet-westus' to use 'vnet-centralus's' remote gateway or route server
Local virtual network summary
Peering link name *
centralus-to-westus
Add
Cancel
Activate Windows
Go to Settings to activate Windows.
Give feedback
18:33
21-10-2024


Add peering - Microsoft Azure
portal.azure.com/#view/Microsoft_Azure_Network/AddEditPeering.ReactView/isAdd~/true/virtualNetworkId/%2Fsubscriptions%2Fc45296d8-76ca-4e54-a1a1-1c0...
Microsoft Azure
Upgrade
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Copilot
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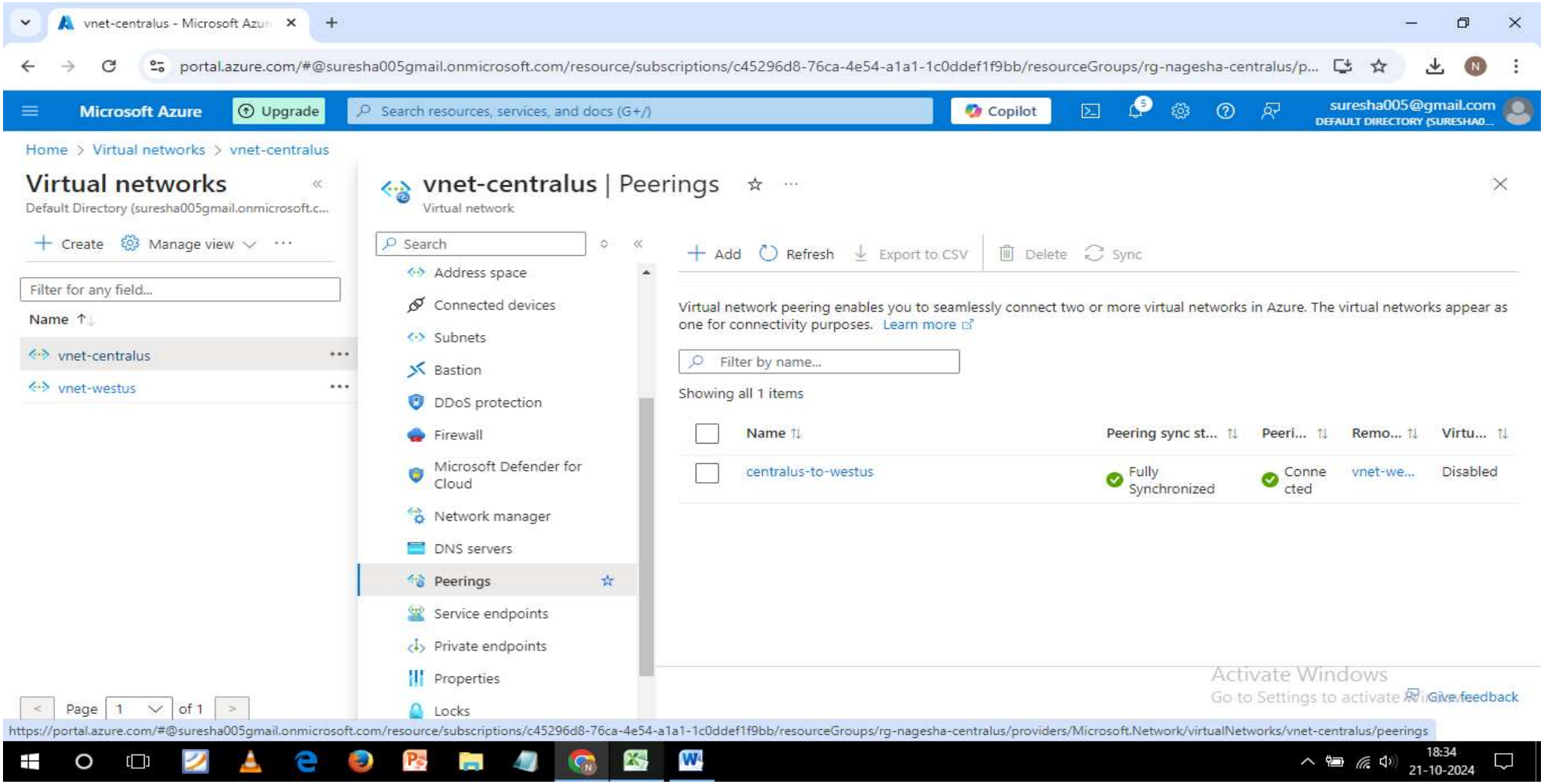
DEFAULT DIRECTORY (SURESHA0...
Home > Virtual networks > vnet-centralus | Peerings >
Add peering
vnet-centralus
Local virtual network summary
Peering link name *
centralus-to-westus
Local virtual network peering settings
Allow 'vnet-centralus' to access 'vnet-westus'
Allow 'vnet-centralus' to receive forwarded traffic from 'vnet-westus'
Allow gateway or route server in 'vnet-centralus' to forward traffic to 'vnet-westus'
Enable 'vnet-centralus' to use 'vnet-westus's' remote gateway or route server
Add
Cancel
Activate Windows
Go to Settings to activate Windows.
Give feedback
18:33
21-10-2024


vnet-centralus - Microsoft Azu
portal.azure.com/#@suresha005gmail.onmicrosoft.com/resource/subscriptions/c45296d8-76ca-4e54-a1a1-1c0ddef1f9bb/resourceGroups/rg-nagesha-centralus/p...
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Copilot
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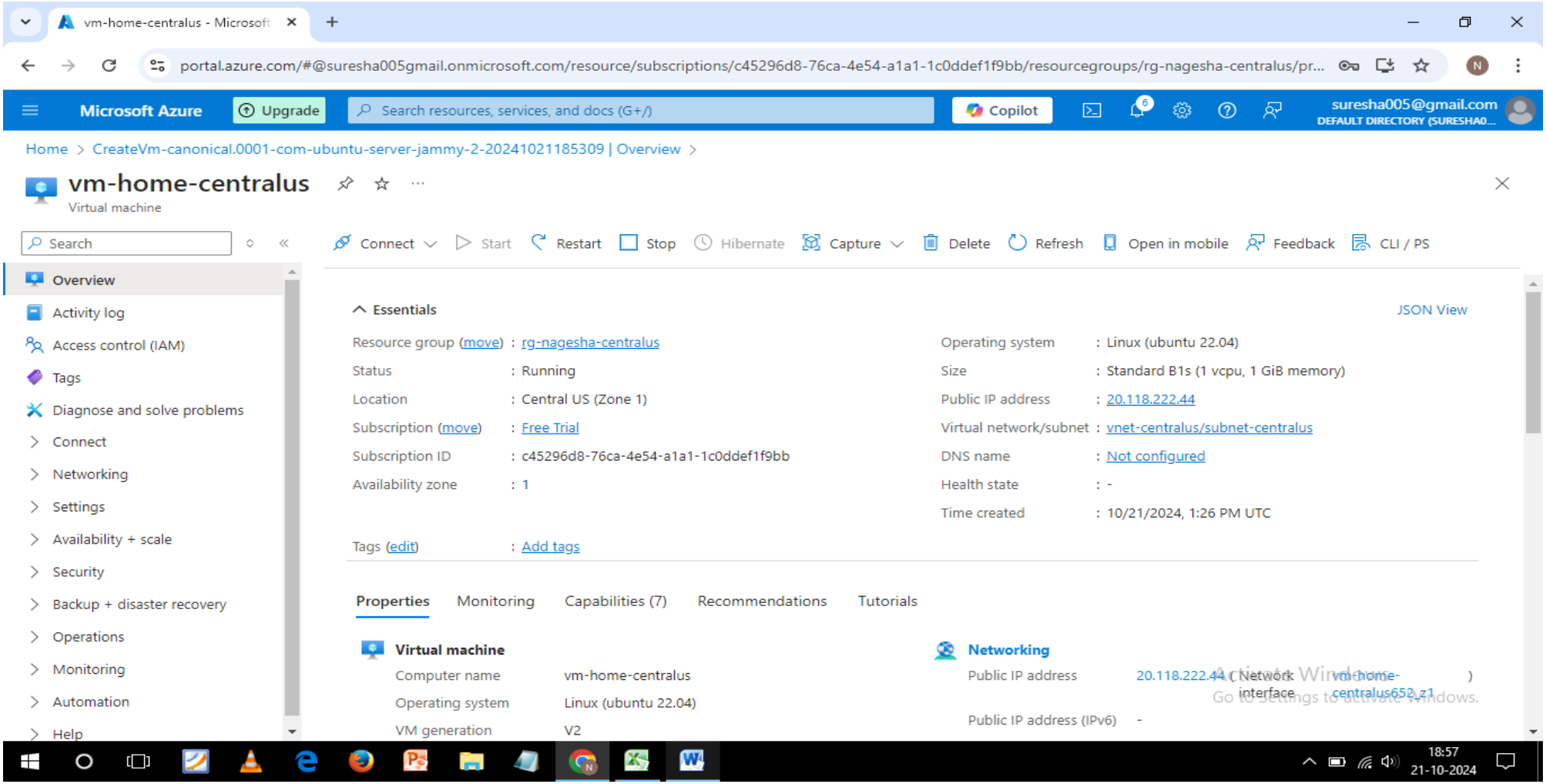
DEFAULT DIRECTORY (SURESHA0...
Home > Virtual networks > vnet-centralus
Virtual networks
Default Directory (suresha005gmail.onmicrosoft.c...
Create
Manage view
Filter for any field...
Name
vnet-centralus
vnet-westus
Page 1 of 1
vnet-centralus | Peerings
Virtual network
Search
Address space
Connected devices
Subnets
Bastion
DDoS protection
Firewall
Microsoft Defender for Cloud
Network manager
DNS servers
Peerings
Service endpoints
Private endpoints
Properties
Locks
Add
Refresh
Export to CSV
Delete
Sync
Virtual network peering enables you to seamlessly connect two or more virtual networks in Azure. The virtual networks appear as one for connectivity purposes. Learn more
Filter by name...
Showing all 1 items
Name
Peering sync st...
Peeri...
Remo...
Virtu...
centralus-to-westus
Fully Synchronized
Conne cted
vnet-we...
Disabled
Activate Windows
Go to Settings to activate Windows.
Give feedback
https://portal.azure.com/#@suresha005gmail.onmicrosoft.com/resource/subscriptions/c45296d8-76ca-4e54-a1a1-1c0ddef1f9bb/resourceGroups/rg-nagesha-centralus/providers/Microsoft.Network/virtualNetworks/vnet-centralus/peerings
18:34
21-10-2024


vm-home-centralus - Microsoft
portal.azure.com/#@suresha005gmail.onmicrosoft.com/resource/subscriptions/c45296d8-76ca-4e54-a1a1-1c0ddef1f9bb/resourcegroups/rg-nagesha-centralus/pr...
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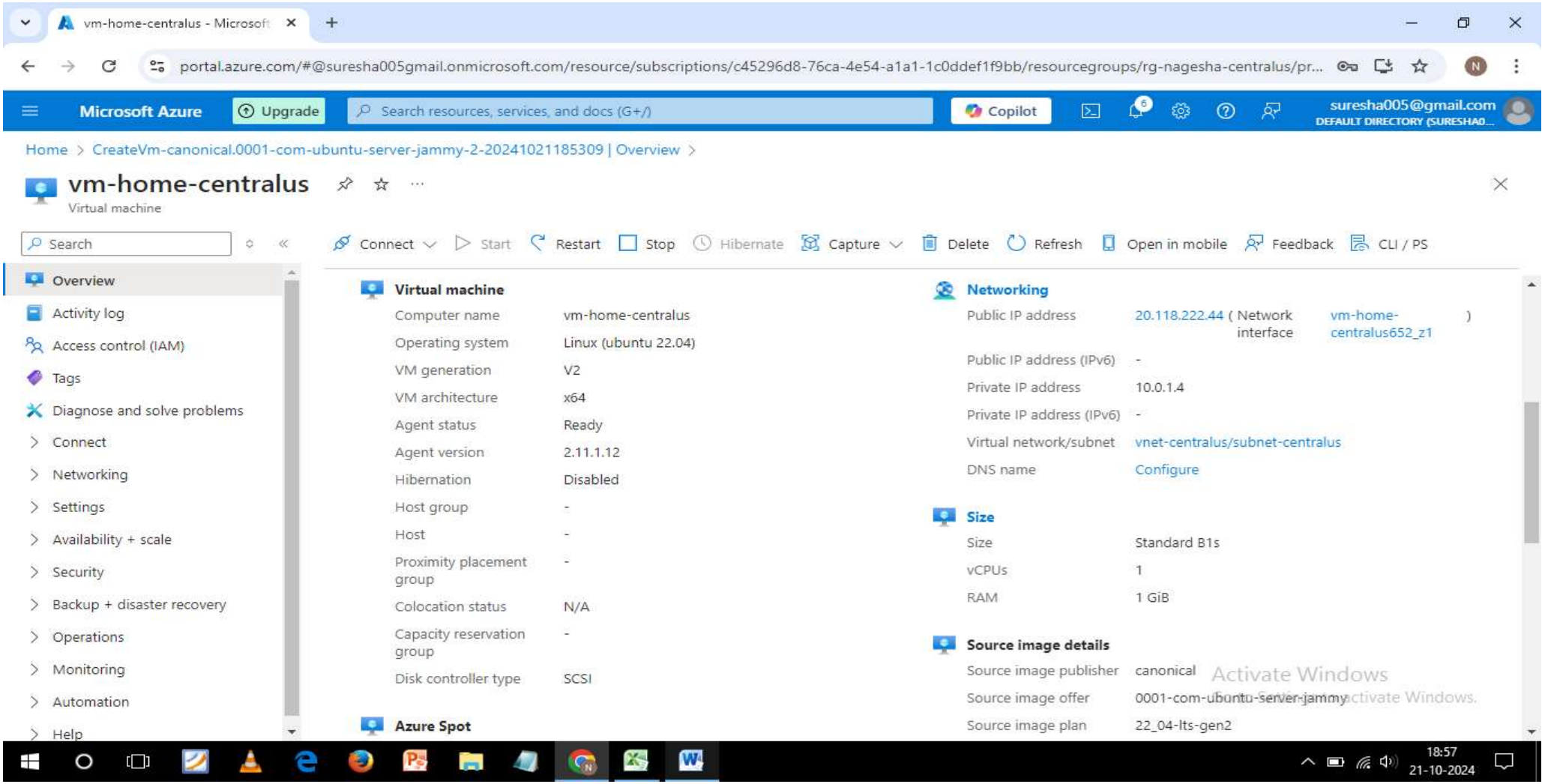
DEFAULT DIRECTORY (SURESHA0...
Home > CreateVm-canonical.0001-com-ubuntu-server-jammy-2-20241021185309 | Overview >
vm-home-centralus
Virtual machine
Search
Overview
Activity log
Access control (IAM)
Tags
Diagnose and solve problems
Connect
Networking
Settings
Availability + scale
Security
Backup + disaster recovery
Operations
Monitoring
Automation
Help
Connect
Start
Restart
Stop
Hibernate
Capture
Delete
Refresh
Open in mobile
Feedback
CLI / PS
Essentials
JSON View
Resource group (move) : rg-nagesha-centralus
Status : Running
Location : Central US (Zone 1)
Subscription (move) : Free Trial
Subscription ID : c45296d8-76ca-4e54-a1a1-1c0ddef1f9bb
Availability zone : 1
Operating system : Linux (ubuntu 22.04)
Size : Standard B1s (1 vcpu, 1 GiB memory)
Public IP address : 20.118.222.44
Virtual network/subnet : vnet-centralus/subnet-centralus
DNS name : Not configured
Health state : -
Time created : 10/21/2024, 1:26 PM UTC
Tags (edit) : Add tags
Properties
Monitoring
Capabilities (7)
Recommendations
Tutorials
Virtual machine
Computer name vm-home-centralus
Operating system Linux (ubuntu 22.04)
VM generation V2
Networking
Public IP address 20.118.222.44 (Network interface vm-home-centralus652_z1)
Public IP address (IPv6) -
Activate Windows
Go to Settings to activate Windows.
18:57
21-10-2024


vm-home-centralus - Microsoft
portal.azure.com/#@suresha005gmail.onmicrosoft.com/resource/subscriptions/c45296d8-76ca-4e54-a1a1-1c0ddef1f9bb/resourcegroups/rg-nagesha-centralus/pr...
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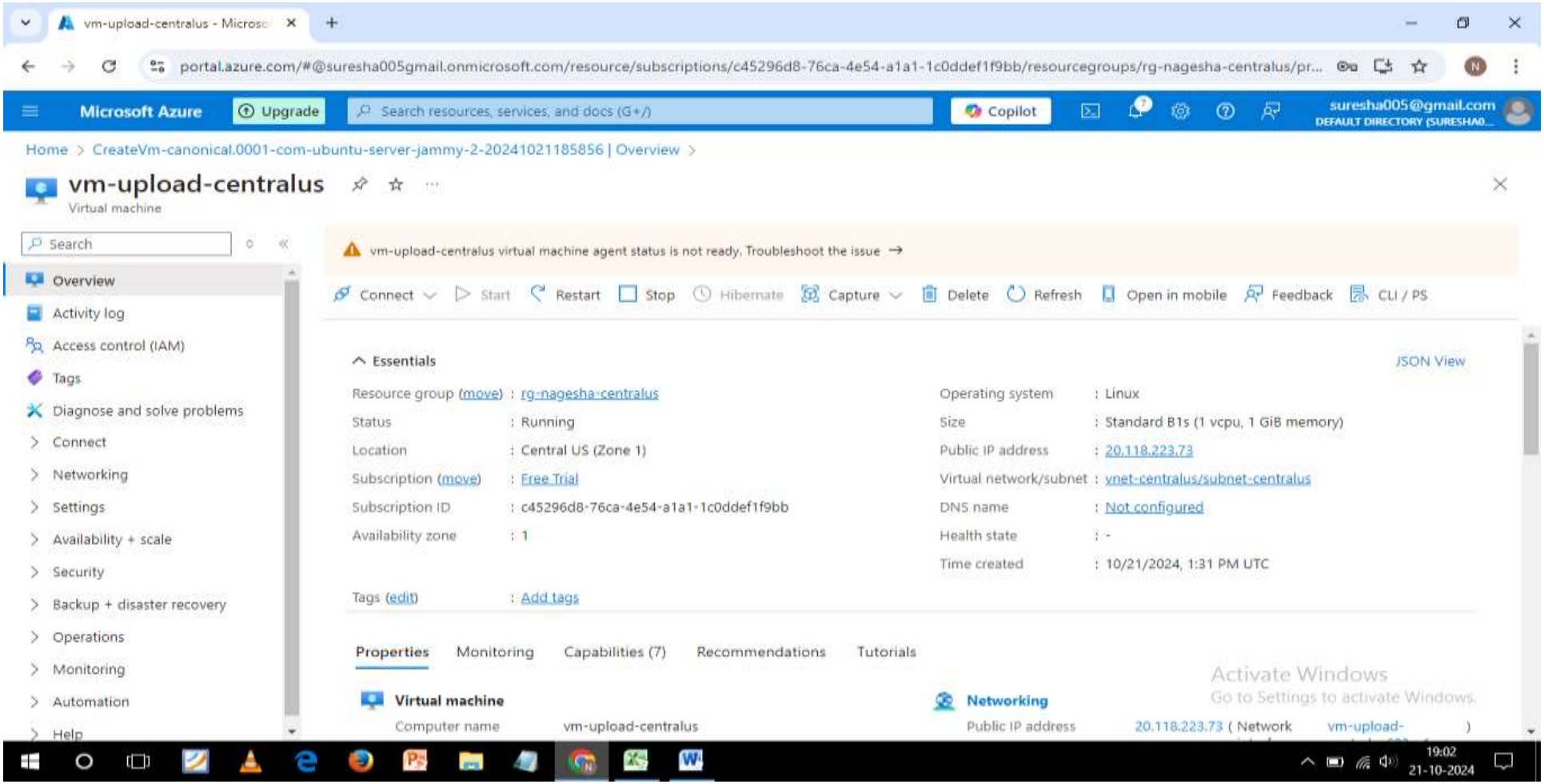
Home > CreateVm-canonical.0001-com-ubuntu-server-jammy-2-20241021185309 | Overview >
vm-home-centralus
Virtual machine
Search
Overview
Activity log
Access control (IAM)
Tags
Diagnose and solve problems
Connect
Networking
Settings
Availability + scale
Security
Backup + disaster recovery
Operations
Monitoring
Automation
Help
Connect
Start
Restart
Stop
Hibernate
Capture
Delete
Refresh
Open in mobile
Feedback
CLI / PS
Virtual machine
Computer name vm-home-centralus
Operating system Linux (ubuntu 22.04)
VM generation V2
VM architecture x64
Agent status Ready
Agent version 2.11.1.12
Hibernation Disabled
Host group -
Host -
Proximity placement group -
Colocation status N/A
Capacity reservation group -
Disk controller type SCSI
Azure Spot
Networking
Public IP address 20.118.222.44 (Network interface vm-home-centralus652_z1)
Public IP address (IPv6) -
Private IP address 10.0.1.4
Private IP address (IPv6) -
Virtual network/subnet vnet-centralus/subnet-centralus
DNS name Configure
Size
Size Standard B1s
vCPUs 1
RAM 1 GiB
Source image details
Source image publisher canonical
Source image offer 0001-com-ubuntu-server-jammy
Source image plan 22_04-lts-gen2
Activate Windows
Go to Settings to activate Windows.
18:57
21-10-2024


vm-upload-centralus - Microsc
portal.azure.com/#@suresha005gmail.onmicrosoft.com/resource/subscriptions/c45296d8-76ca-4e54-a1a1-1c0ddef1f9bb/resourcegroups/rg-nagesha-centralus/pr...
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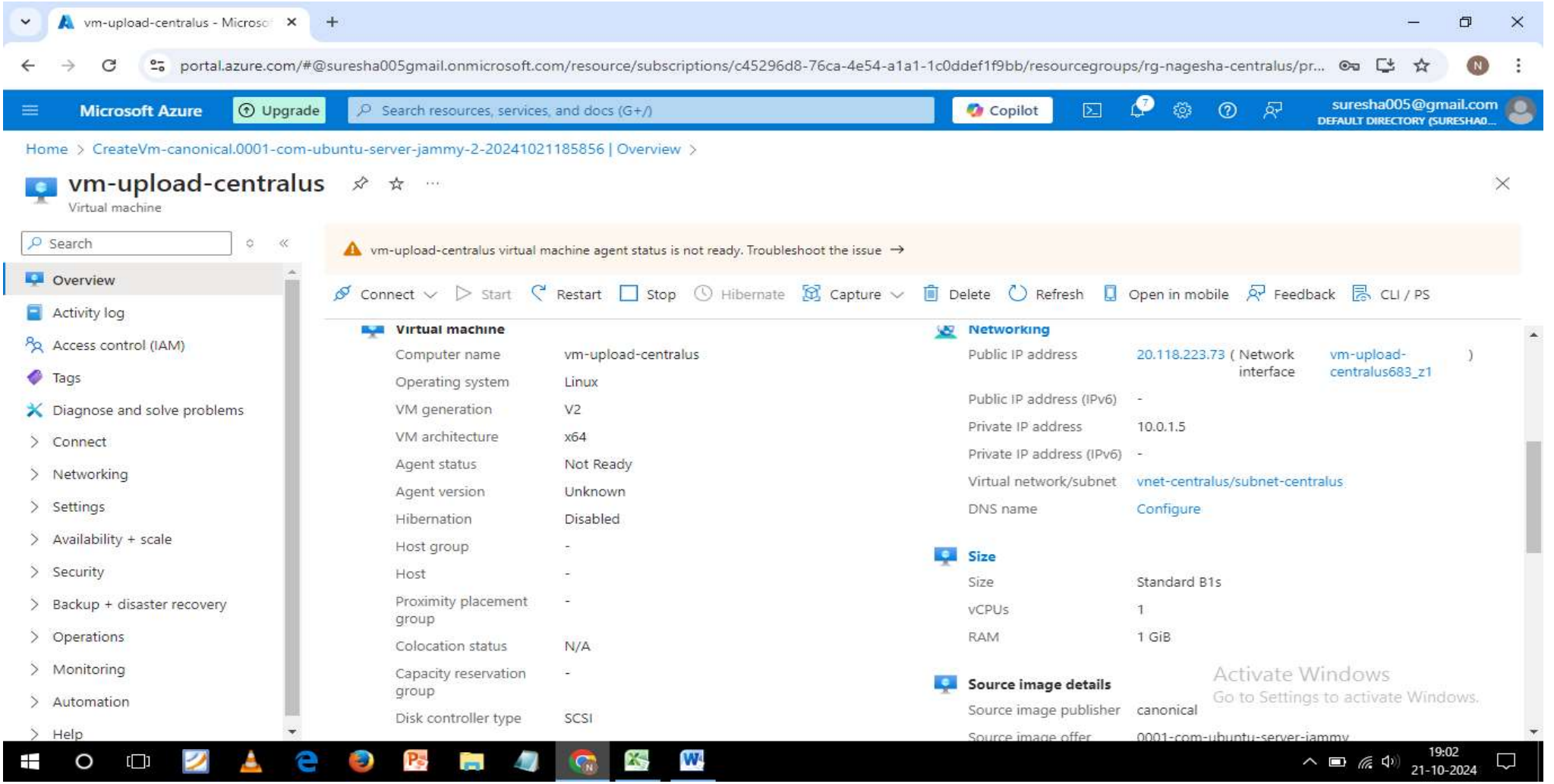
Home > CreateVm-canonical.0001-com-ubuntu-server-jammy-2-20241021185856 | Overview >
vm-upload-centralus
Virtual machine
Search
Overview
Activity log
Access control (IAM)
Tags
Diagnose and solve problems
Connect
Networking
Settings
Availability + scale
Security
Backup + disaster recovery
Operations
Monitoring
Automation
Help
vm-upload-centralus virtual machine agent status is not ready. Troubleshoot the issue →
Connect
Start
Restart
Stop
Hibernate
Capture
Delete
Refresh
Open in mobile
Feedback
CLI / PS
Essentials
JSON View
Resource group (move) : rg-nagesha-centralus
Status : Running
Location : Central US (Zone 1)
Subscription (move) : Free Trial
Subscription ID : c45296d8-76ca-4e54-a1a1-1c0ddef1f9bb
Availability zone : 1
Operating system : Linux
Size : Standard B1s (1 vcpu, 1 GiB memory)
Public IP address : 20.118.223.73
Virtual network/subnet : vnet-centralus/subnet-centralus
DNS name : Not configured
Health state : -
Time created : 10/21/2024, 1:31 PM UTC
Tags (edit) : Add tags
Properties
Monitoring
Capabilities (7)
Recommendations
Tutorials
Virtual machine
Computer name vm-upload-centralus
Networking
Public IP address 20.118.223.73 (Network vm-upload-
Activate Windows
Go to Settings to activate Windows.
19:02
21-10-2024


vm-upload-centralus - Microsc
portal.azure.com/#@suresha005gmail.onmicrosoft.com/resource/subscriptions/c45296d8-76ca-4e54-a1a1-1c0ddef1f9bb/resourcegroups/rg-nagesha-centralus/pr...
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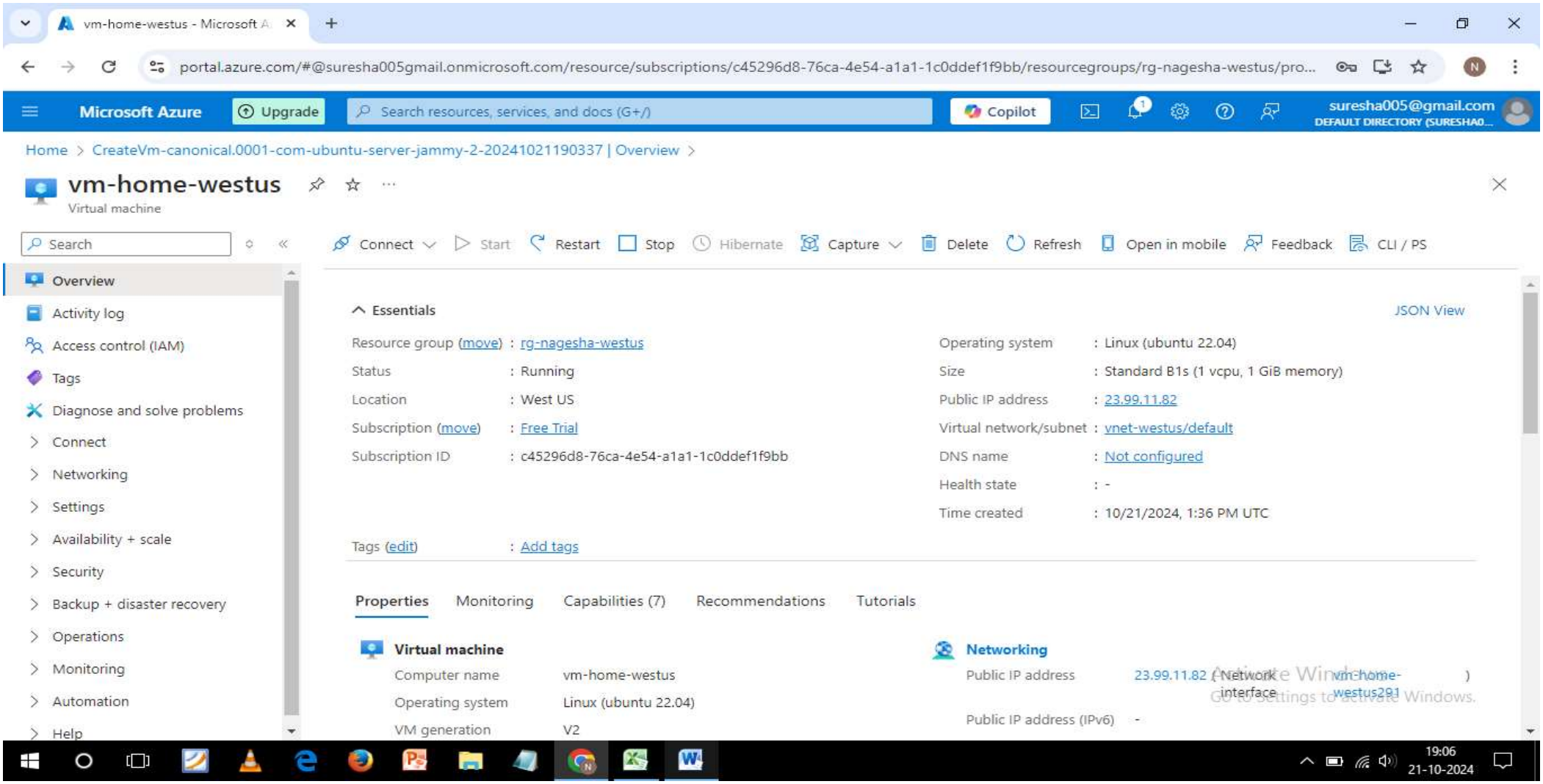
DEFAULT DIRECTORY (SURESHA0...
Home > CreateVm-canonical.0001-com-ubuntu-server-jammy-2-20241021185856 | Overview >
vm-upload-centralus
Virtual machine
Search
Overview
Activity log
Access control (IAM)
Tags
Diagnose and solve problems
Connect
Networking
Settings
Availability + scale
Security
Backup + disaster recovery
Operations
Monitoring
Automation
Help
vm-upload-centralus virtual machine agent status is not ready. Troubleshoot the issue
Connect
Start
Restart
Stop
Hibernate
Capture
Delete
Refresh
Open in mobile
Feedback
CLI / PS
Virtual machine
Computer name vm-upload-centralus
Operating system Linux
VM generation V2
VM architecture x64
Agent status Not Ready
Agent version Unknown
Hibernation Disabled
Host group -
Host -
Proximity placement group -
Colocation status N/A
Capacity reservation group -
Disk controller type SCSI
Networking
Public IP address 20.118.223.73 (Network interface vm-upload-centralus683_z1)
Public IP address (IPv6) -
Private IP address 10.0.1.5
Private IP address (IPv6) -
Virtual network/subnet vnet-centralus/subnet-centralus
DNS name Configure
Size
Size Standard B1s
vCPUs 1
RAM 1 GiB
Source image details
Source image publisher canonical
Source image offer 0001-com-ubuntu-server-jammy
Activate Windows
Go to Settings to activate Windows.
19:02
21-10-2024


vm-home-westus - Microsoft A
portal.azure.com/#@suresha005gmail.onmicrosoft.com/resource/subscriptions/c45296d8-76ca-4e54-a1a1-1c0ddef1f9bb/resourcegroups/rg-nagesha-westus/pro...
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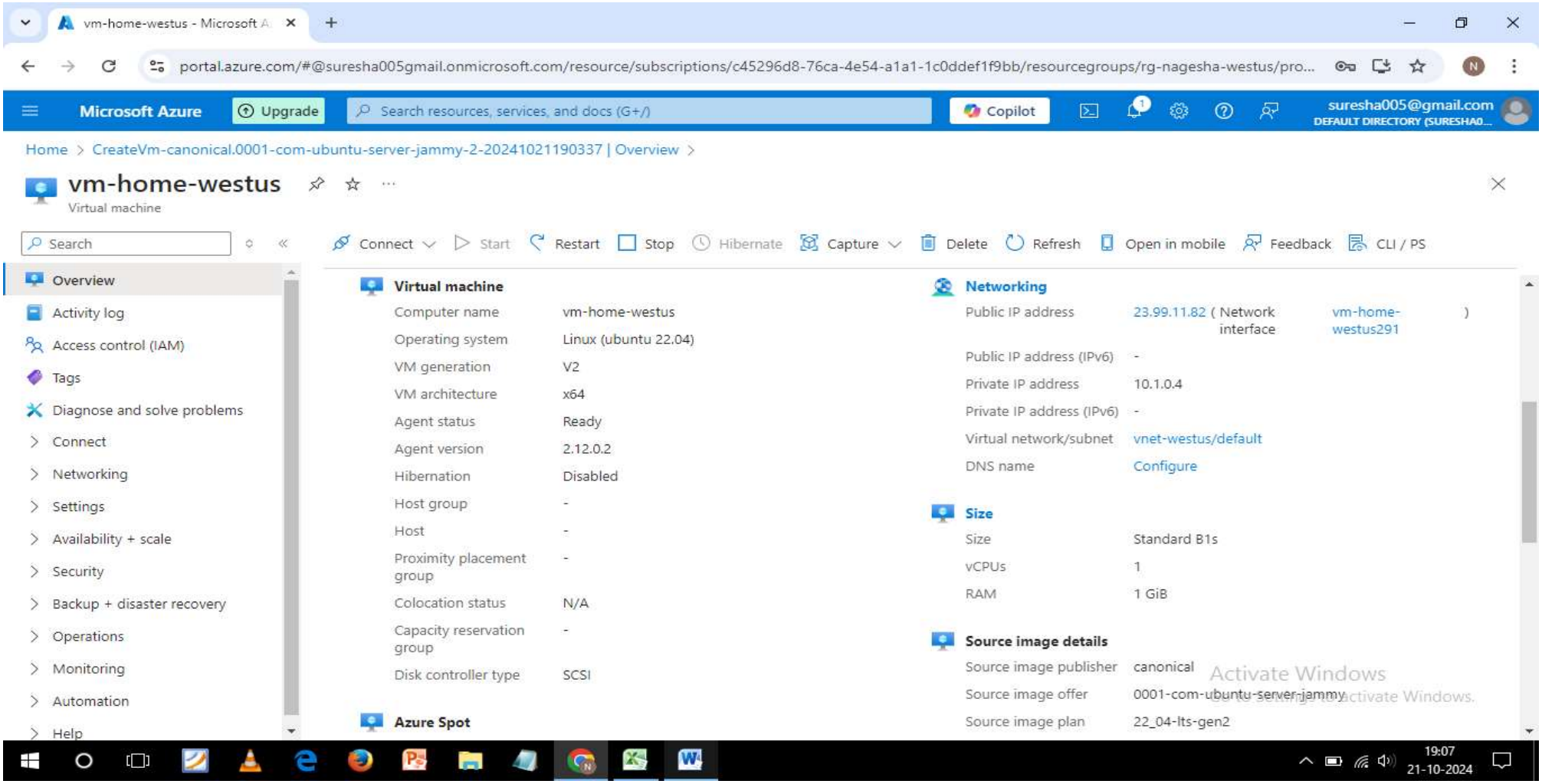
DEFAULT DIRECTORY (SURESHA0...
Home > CreateVm-canonical.0001-com-ubuntu-server-jammy-2-20241021190337 | Overview >
vm-home-westus
Virtual machine
Search
Overview
Activity log
Access control (IAM)
Tags
Diagnose and solve problems
Connect
Networking
Settings
Availability + scale
Security
Backup + disaster recovery
Operations
Monitoring
Automation
Help
Connect
Start
Restart
Stop
Hibernate
Capture
Delete
Refresh
Open in mobile
Feedback
CLI / PS
Essentials
JSON View
Resource group (move) : rg-nagesha-westus
Status : Running
Location : West US
Subscription (move) : Free Trial
Subscription ID : c45296d8-76ca-4e54-a1a1-1c0ddef1f9bb
Operating system : Linux (ubuntu 22.04)
Size : Standard B1s (1 vcpu, 1 GiB memory)
Public IP address : 23.99.11.82
Virtual network/subnet : vnet-westus/default
DNS name : Not configured
Health state : -
Time created : 10/21/2024, 1:36 PM UTC
Tags (edit) : Add tags
Properties
Monitoring
Capabilities (7)
Recommendations
Tutorials
Virtual machine
Computer name vm-home-westus
Operating system Linux (ubuntu 22.04)
VM generation V2
Networking
Public IP address 23.99.11.82 (Network interface vm-home-westus291)
Public IP address (IPv6) -
Activate Windows
Go to Settings to activate Windows.
19:06
21-10-2024


vm-home-westus - Microsoft A
portal.azure.com/#@suresha005gmail.onmicrosoft.com/resource/subscriptions/c45296d8-76ca-4e54-a1a1-1c0ddef1f9bb/resourcegroups/rg-nagesha-westus/pro...
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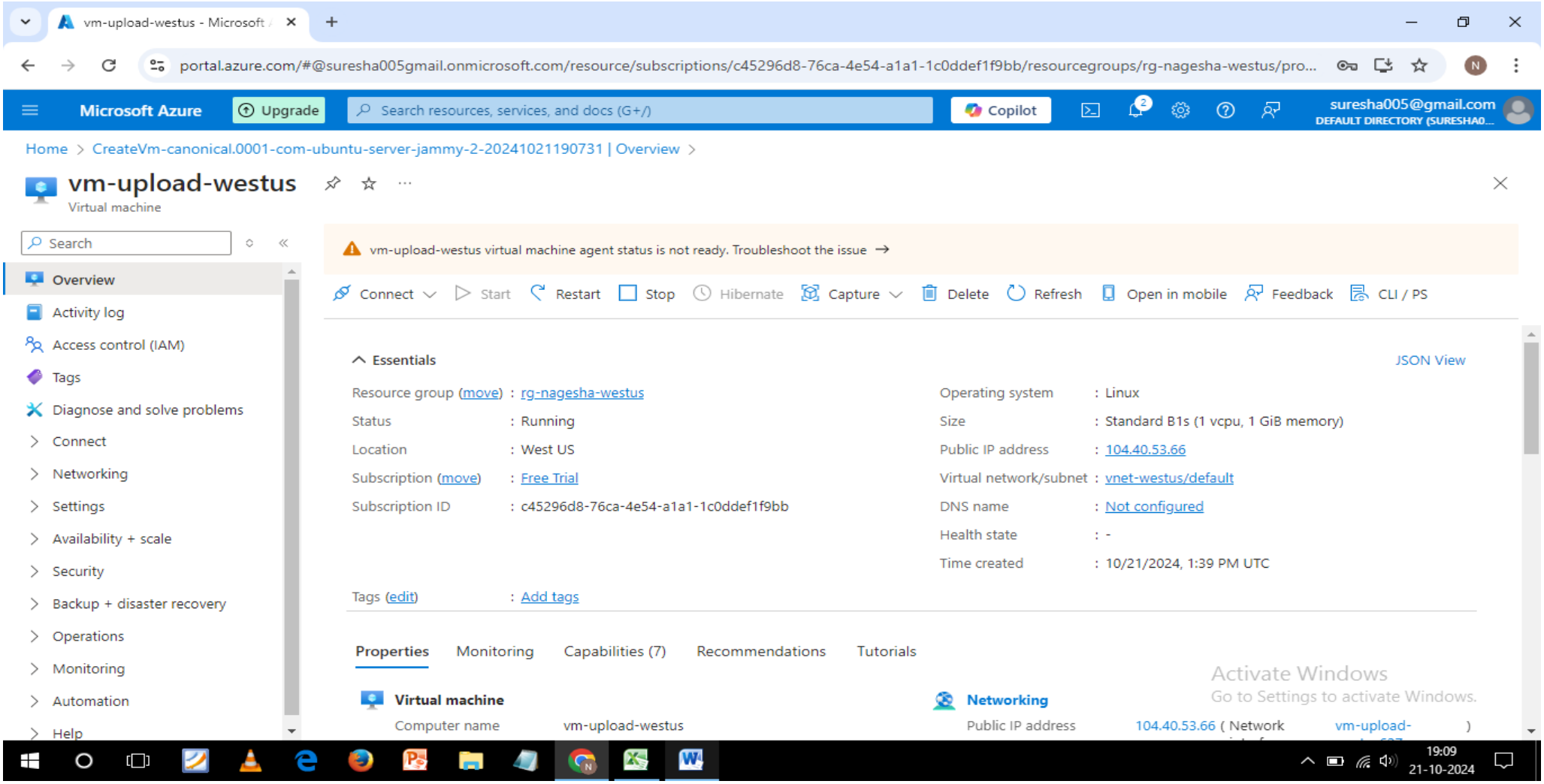
DEFAULT DIRECTORY (SURESHA0...
Home > CreateVm-canonical.0001-com-ubuntu-server-jammy-2-20241021190337 | Overview >
vm-home-westus
Virtual machine
Search
Connect
Start
Restart
Stop
Hibernate
Capture
Delete
Refresh
Open in mobile
Feedback
CLI / PS
Overview
Activity log
Access control (IAM)
Tags
Diagnose and solve problems
Connect
Networking
Settings
Availability + scale
Security
Backup + disaster recovery
Operations
Monitoring
Automation
Help
Virtual machine
Computer name vm-home-westus
Operating system Linux (ubuntu 22.04)
VM generation V2
VM architecture x64
Agent status Ready
Agent version 2.12.0.2
Hibernation Disabled
Host group -
Host -
Proximity placement group -
Colocation status N/A
Capacity reservation group -
Disk controller type SCSI
Azure Spot
Networking
Public IP address 23.99.11.82 (Network interface vm-home-westus291)
Public IP address (IPv6) -
Private IP address 10.1.0.4
Private IP address (IPv6) -
Virtual network/subnet vnet-westus/default
DNS name Configure
Size
Size Standard B1s
vCPUs 1
RAM 1 GiB
Source image details
Source image publisher canonical
Source image offer 0001-com-ubuntu-server-jammy
Source image plan 22_04-lts-gen2
Activate Windows
Go to Settings to activate Windows.
19:07
21-10-2024


vm-upload-westus - Microsoft
portal.azure.com/#@suresha005gmail.onmicrosoft.com/resource/subscriptions/c45296d8-76ca-4e54-a1a1-1c0ddef1f9bb/resourcegroups/rg-nagesha-westus/pro...
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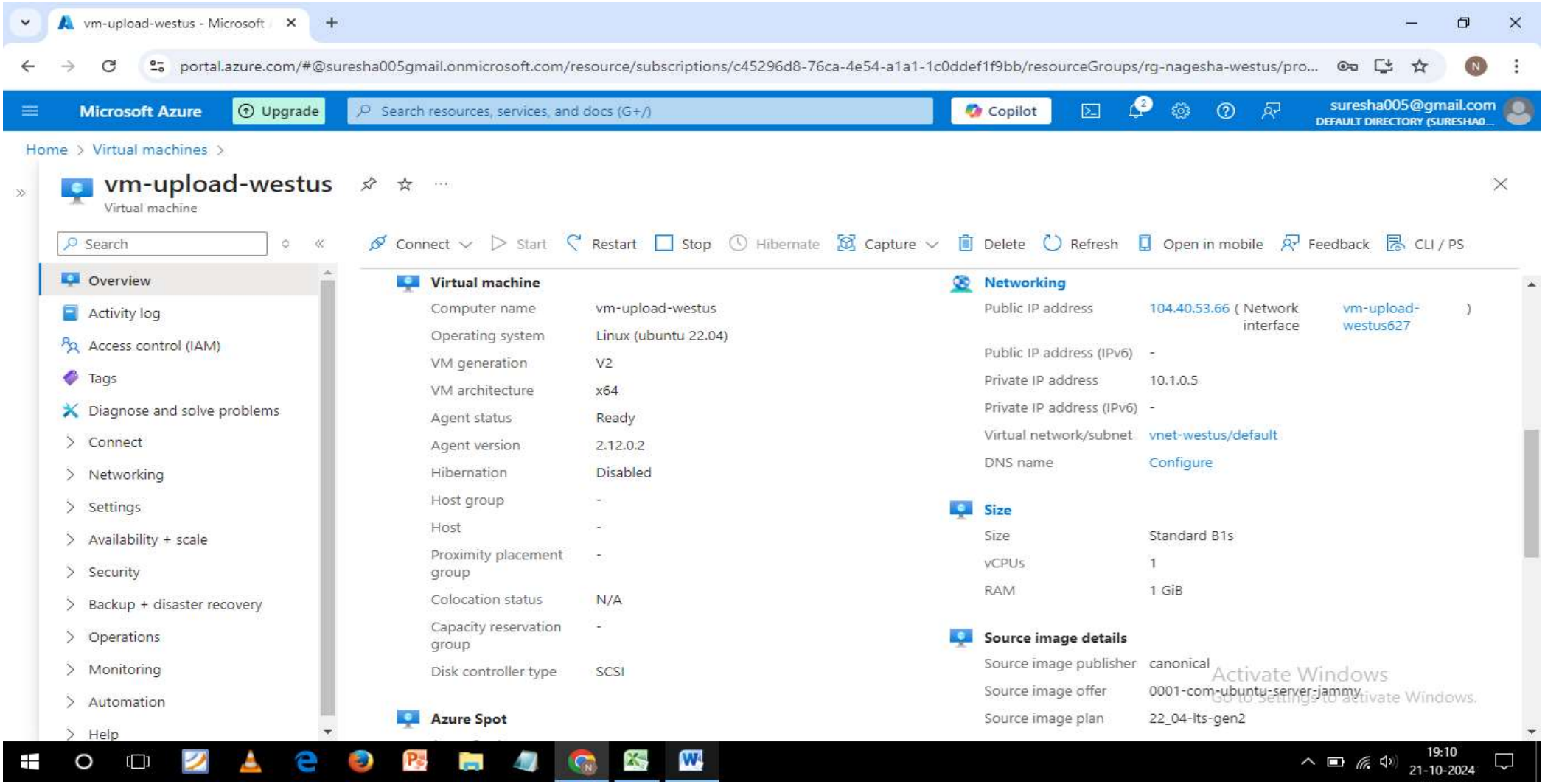
Home > CreateVm-canonical.0001-com-ubuntu-server-jammy-2-20241021190731 | Overview >
vm-upload-westus
Virtual machine
Search
Overview
Activity log
Access control (IAM)
Tags
Diagnose and solve problems
Connect
Networking
Settings
Availability + scale
Security
Backup + disaster recovery
Operations
Monitoring
Automation
Help
vm-upload-westus virtual machine agent status is not ready. Troubleshoot the issue
Connect
Start
Restart
Stop
Hibernate
Capture
Delete
Refresh
Open in mobile
Feedback
CLI / PS
Essentials
JSON View
Resource group (move) : rg-nagesha-westus
Status : Running
Location : West US
Subscription (move) : Free Trial
Subscription ID : c45296d8-76ca-4e54-a1a1-1c0ddef1f9bb
Operating system : Linux
Size : Standard B1s (1 vcpu, 1 GiB memory)
Public IP address : 104.40.53.66
Virtual network/subnet : vnet-westus/default
DNS name : Not configured
Health state : -
Time created : 10/21/2024, 1:39 PM UTC
Tags (edit) : Add tags
Properties
Monitoring
Capabilities (7)
Recommendations
Tutorials
Virtual machine
Computer name vm-upload-westus
Networking
Public IP address 104.40.53.66 (Network
Activate Windows
Go to Settings to activate Windows.
19:09
21-10-2024


vm-upload-westus - Microsoft
portal.azure.com/#@suresha005gmail.onmicrosoft.com/resource/subscriptions/c45296d8-76ca-4e54-a1a1-1c0ddef1f9bb/resourceGroups/rg-nagesha-westus/pro...
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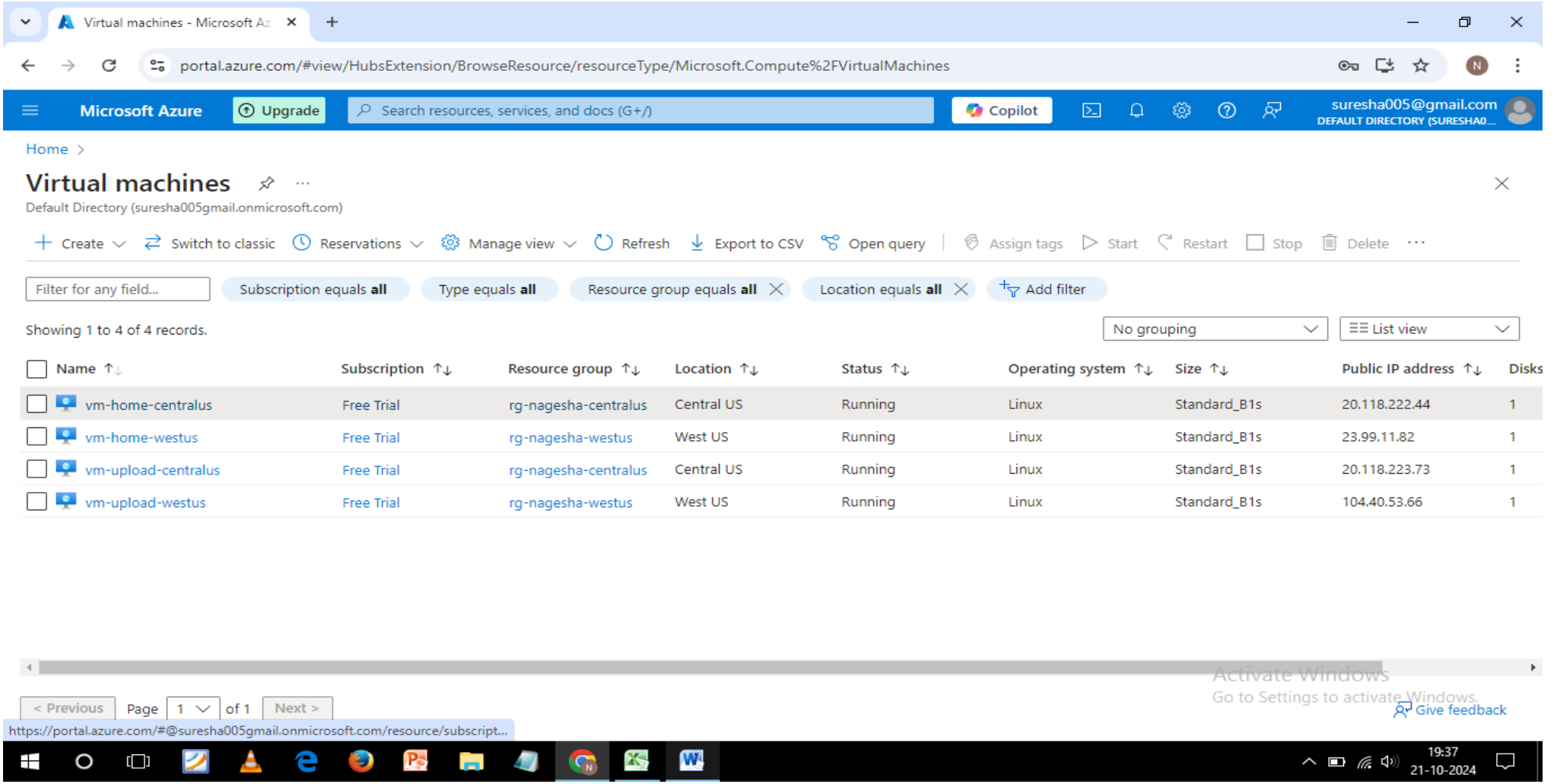
Home > Virtual machines >
vm-upload-westus
Virtual machine
Search
Overview
Activity log
Access control (IAM)
Tags
Diagnose and solve problems
Connect
Networking
Settings
Availability + scale
Security
Backup + disaster recovery
Operations
Monitoring
Automation
Help
Connect
Start
Restart
Stop
Hibernate
Capture
Delete
Refresh
Open in mobile
Feedback
CLI / PS
Virtual machine
Computer name vm-upload-westus
Operating system Linux (ubuntu 22.04)
VM generation V2
VM architecture x64
Agent status Ready
Agent version 2.12.0.2
Hibernation Disabled
Host group -
Host -
Proximity placement group -
Colocation status N/A
Capacity reservation group -
Disk controller type SCSI
Azure Spot
Networking
Public IP address 104.40.53.66 (Network interface vm-upload-westus627)
Public IP address (IPv6) -
Private IP address 10.1.0.5
Private IP address (IPv6) -
Virtual network/subnet vnet-westus/default
DNS name Configure
Size
Size Standard B1s
vCPUs 1
RAM 1 GiB
Source image details
Source image publisher canonical
Source image offer 0001-com-ubuntu-server-jammy
Source image plan 22_04-lts-gen2
Activate Windows
Go to Settings to activate Windows.
19:10
21-10-2024


Virtual machines - Microsoft Az
portal.azure.com/#view/HubsExtension/BrowseResource/resourceType/Microsoft.Compute%2FVirtualMachines
Microsoft Azure
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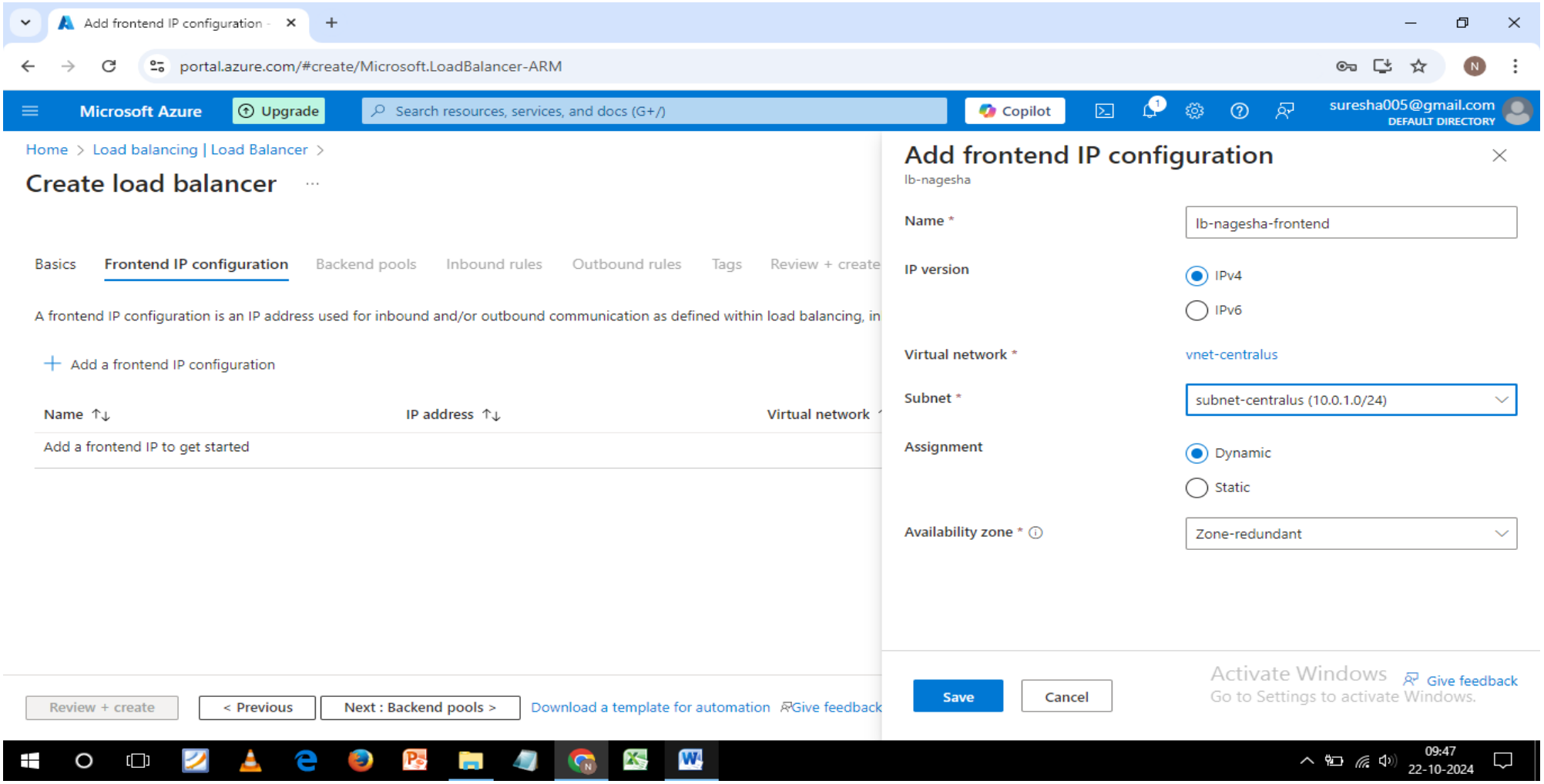
DEFAULT DIRECTORY (SURESHA0...
Home
Virtual machines
Default Directory (suresha005gmail.onmicrosoft.com)
Create
Switch to classic
Reservations
Manage view
Refresh
Export to CSV
Open query
Assign tags
Start
Restart
Stop
Delete
Filter for any field...
Subscription equals all
Type equals all
Resource group equals all
Location equals all
Add filter
Showing 1 to 4 of 4 records.
No grouping
List view
Name
Subscription
Resource group
Location
Status
Operating system
Size
Public IP address
Disks
vm-home-centralus
Free Trial
rg-nagesha-centralus
Central US
Running
Linux
Standard_B1s
20.118.222.44
1
vm-home-westus
Free Trial
rg-nagesha-westus
West US
Running
Linux
Standard_B1s
23.99.11.82
1
vm-upload-centralus
Free Trial
rg-nagesha-centralus
Central US
Running
Linux
Standard_B1s
20.118.223.73
1
vm-upload-westus
Free Trial
rg-nagesha-westus
West US
Running
Linux
Standard_B1s
104.40.53.66
1
< Previous
Page
1
of 1
Next >
Activate Windows
Go to Settings to activate Windows.
Give feedback
https://portal.azure.com/#@suresha005gmail.onmicrosoft.com/resource/subscript...
19:37
21-10-2024


Add frontend IP configuration
portal.azure.com/#create/Microsoft.LoadBalancer-ARM
Microsoft Azure
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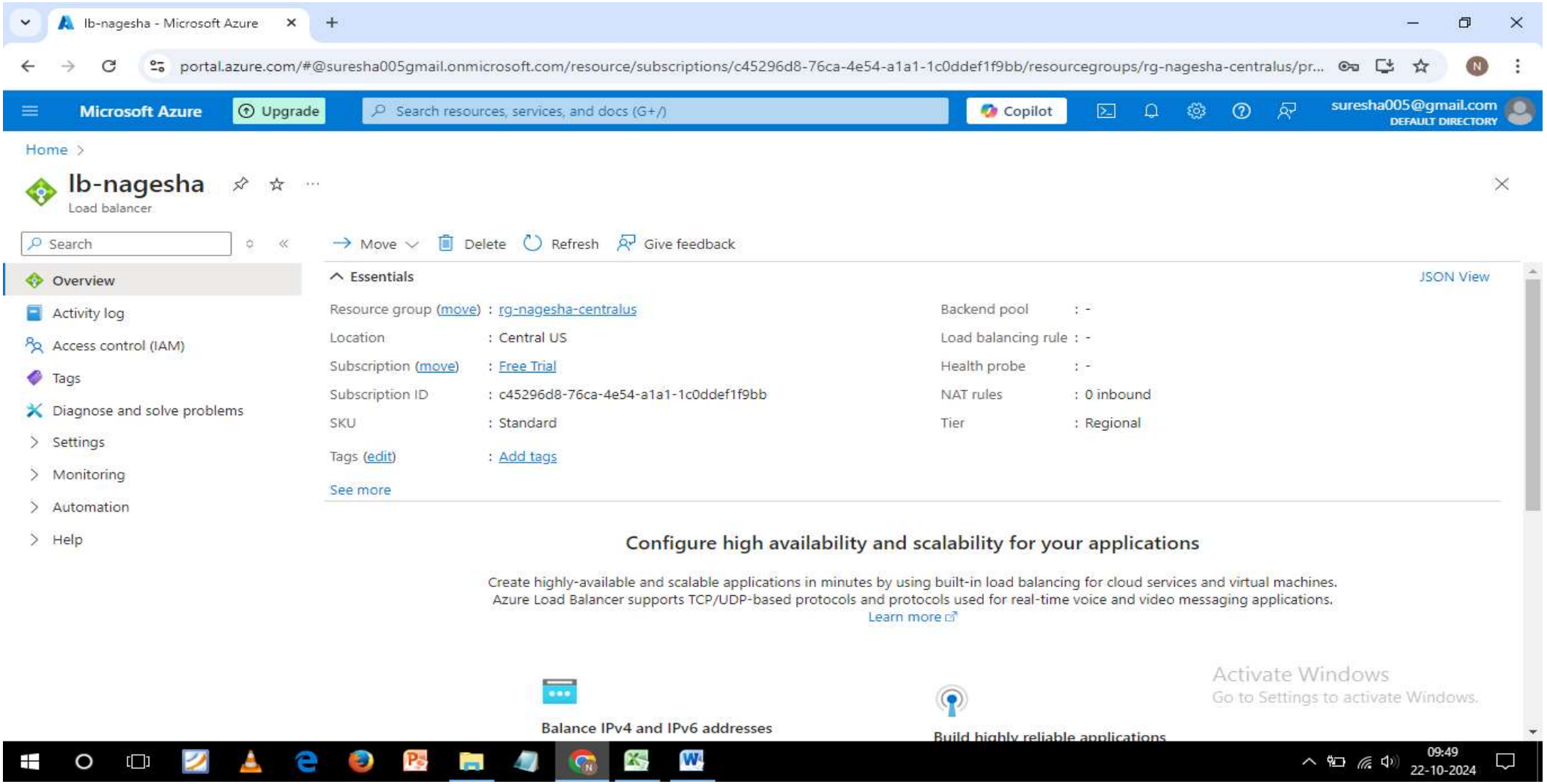
suresha005@gmail.com
DEFAULT DIRECTORY
Home > Load balancing | Load Balancer >
Create load balancer
Basics
Frontend IP configuration
Backend pools
Inbound rules
Outbound rules
Tags
Review + create
A frontend IP configuration is an IP address used for inbound and/or outbound communication as defined within load balancing, in
Add a frontend IP configuration
Name
IP address
Virtual network
Add a frontend IP to get started
Review + create
< Previous
Next : Backend pools >
Download a template for automation
Give feedback
Add frontend IP configuration
lb-nagesha
Name *
lb-nagesha-frontend
IP version
IPv4
IPv6
Virtual network *
vnet-centralus
Subnet *
subnet-centralus (10.0.1.0/24)
Assignment
Dynamic
Static
Availability zone *
Zone-redundant
Save
Cancel
Activate Windows
Go to Settings to activate Windows.
Give feedback
09:47
22-10-2024


lb-nagesha - Microsoft Azure
portal.azure.com/#@suresha005gmail.onmicrosoft.com/resource/subscriptions/c45296d8-76ca-4e54-a1a1-1c0ddef1f9bb/resourcegroups/rg-nagesha-centralus/pr...
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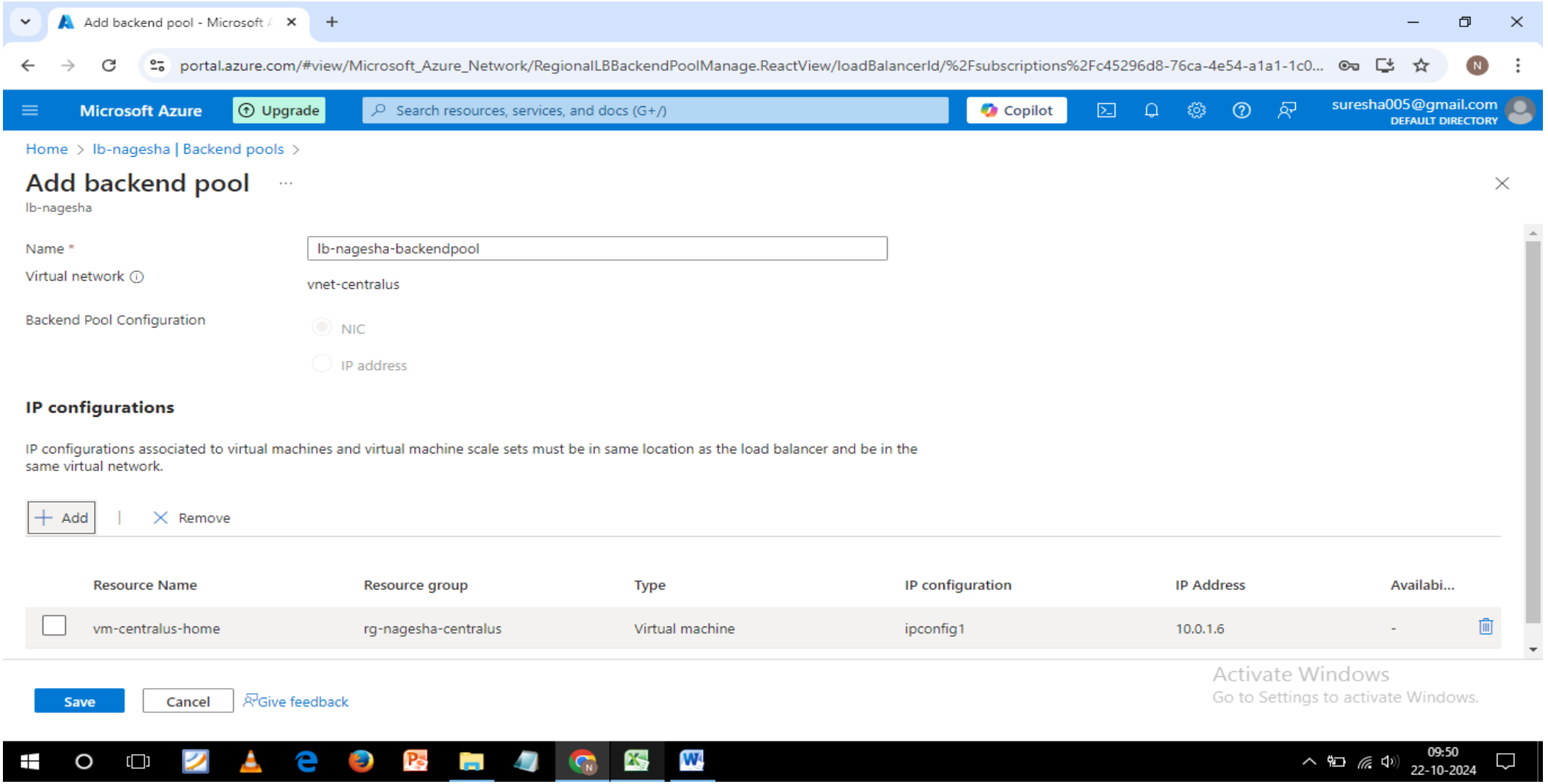
DEFAULT DIRECTORY
Home
lb-nagesha
Load balancer
Search
Overview
Activity log
Access control (IAM)
Tags
Diagnose and solve problems
Settings
Monitoring
Automation
Help
Move
Delete
Refresh
Give feedback
Essentials
JSON View
Resource group (move) : rg-nagesha-centralus
Location : Central US
Subscription (move) : Free Trial
Subscription ID : c45296d8-76ca-4e54-a1a1-1c0ddef1f9bb
SKU : Standard
Tags (edit) : Add tags
Backend pool : -
Load balancing rule : -
Health probe : -
NAT rules : 0 inbound
Tier : Regional
See more
Configure high availability and scalability for your applications
Create highly-available and scalable applications in minutes by using built-in load balancing for cloud services and virtual machines.
Azure Load Balancer supports TCP/UDP-based protocols and protocols used for real-time voice and video messaging applications.
Learn more
Balance IPv4 and IPv6 addresses
Build highly reliable applications
Activate Windows
Go to Settings to activate Windows.
09:49
22-10-2024


Add backend pool - Microsoft
portal.azure.com/#view/Microsoft_Azure_Network/RegionalLBBackendPoolManage.ReactView/loadBalancerId/%2Fsubscriptions%2Fc45296d8-76ca-4e54-a1a1-1c0...
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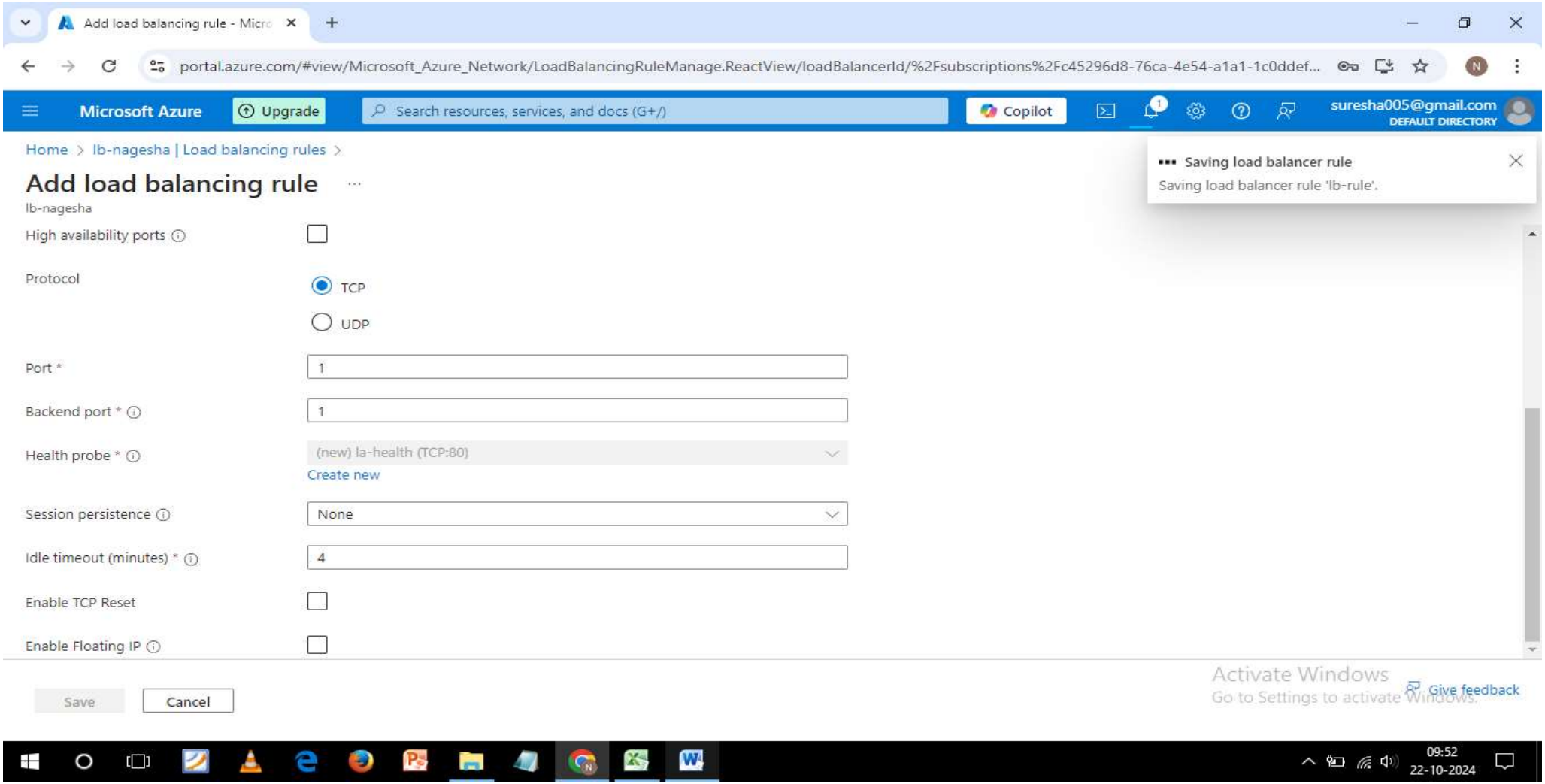
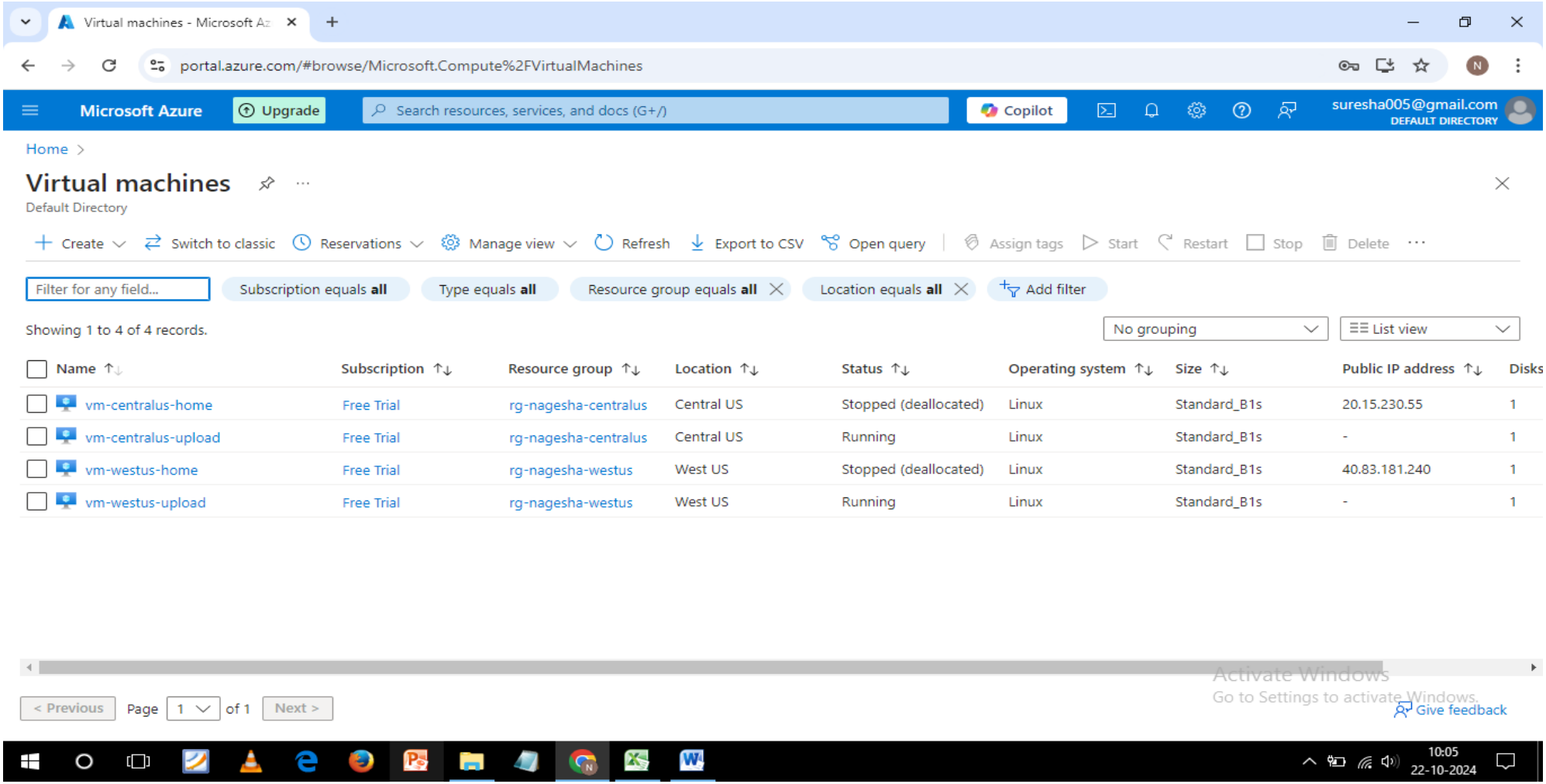
DEFAULT DIRECTORY
Home > lb-nagesha | Backend pools >
Add backend pool
lb-nagesha
Name *
lb-nagesha-backendpool
Virtual network
vnet-centralus
Backend Pool Configuration
NIC
IP address
IP configurations
IP configurations associated to virtual machines and virtual machine scale sets must be in same location as the load balancer and be in the same virtual network.
Add
Remove
Resource Name
Resource group
Type
IP configuration
IP Address
Availabi...
vm-centralus-home
rg-nagesha-centralus
Virtual machine
ipconfig1
10.0.1.6
-
Save
Cancel
Give feedback
Activate Windows
Go to Settings to activate Windows.
09:50
22-10-2024


Add load balancing rule - Micro
portal.azure.com/#view/Microsoft_Azure_Network/LoadBalancingRuleManage.ReactView/loadBalancerId/%2Fsubscriptions%2Fc45296d8-76ca-4e54-a1a1-1c0ddef...
Microsoft Azure
Upgrade
Search resources, services, and docs (G+/)
Copilot
suresha005@gmail.com
DEFAULT DIRECTORY
Home > lb-nagesha | Load balancing rules >
Add load balancing rule
lb-nagesha
Saving load balancer rule
Saving load balancer rule 'lb-rule'.
High availability ports
Protocol
TCP
UDP
Port *
1
Backend port *
1
Health probe *
(new) la-health (TCP:80)
Create new
Session persistence
None
Idle timeout (minutes) *
4
Enable TCP Reset
Enable Floating IP
Save
Cancel
Activate Windows
Go to Settings to activate Windows.
Give feedback
09:52
22-10-2024


Virtual machines - Microsoft Az
portal.azure.com/#browse/Microsoft.Compute%2FVirtualMachines
Microsoft Azure
Upgrade
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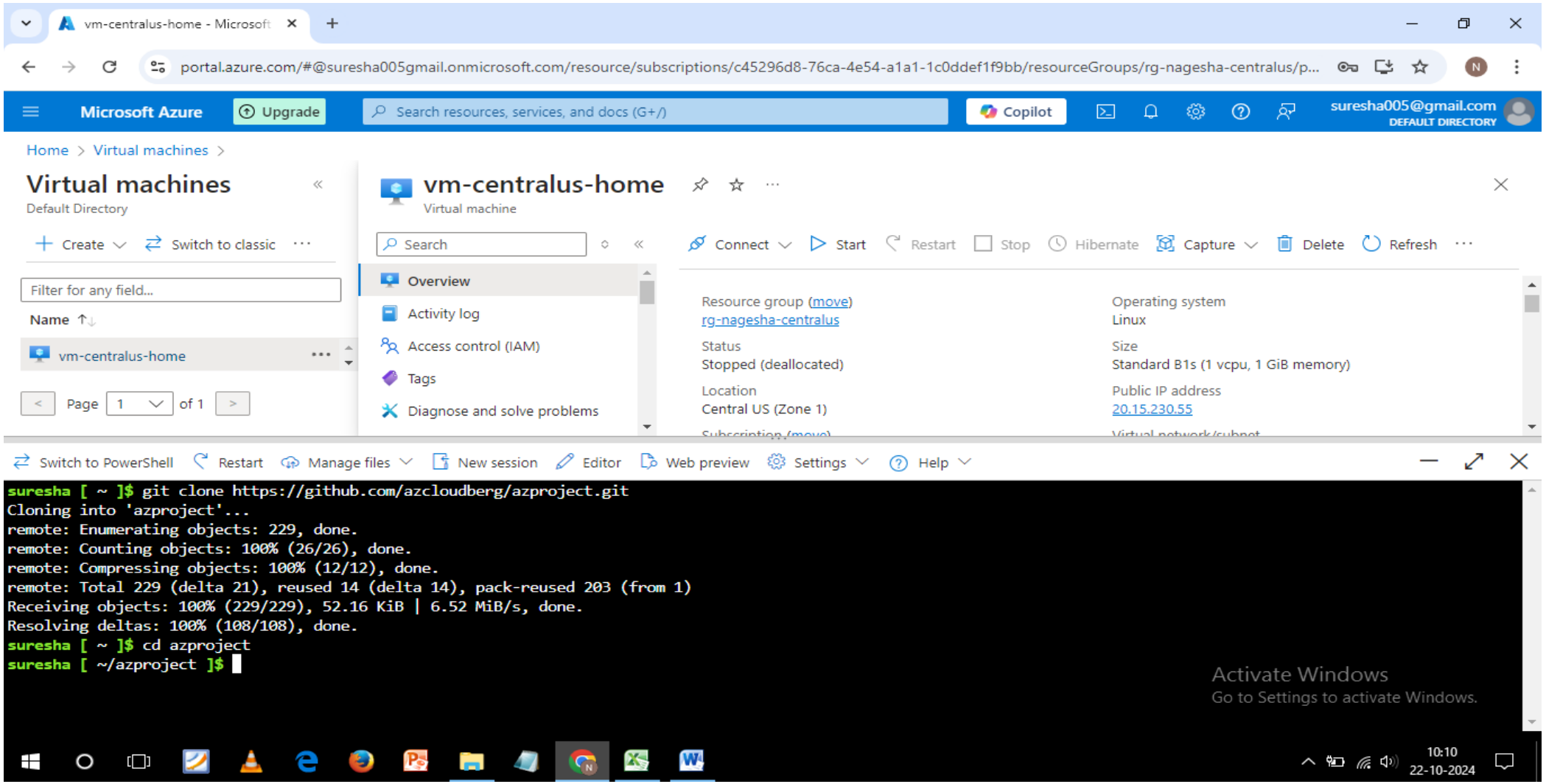
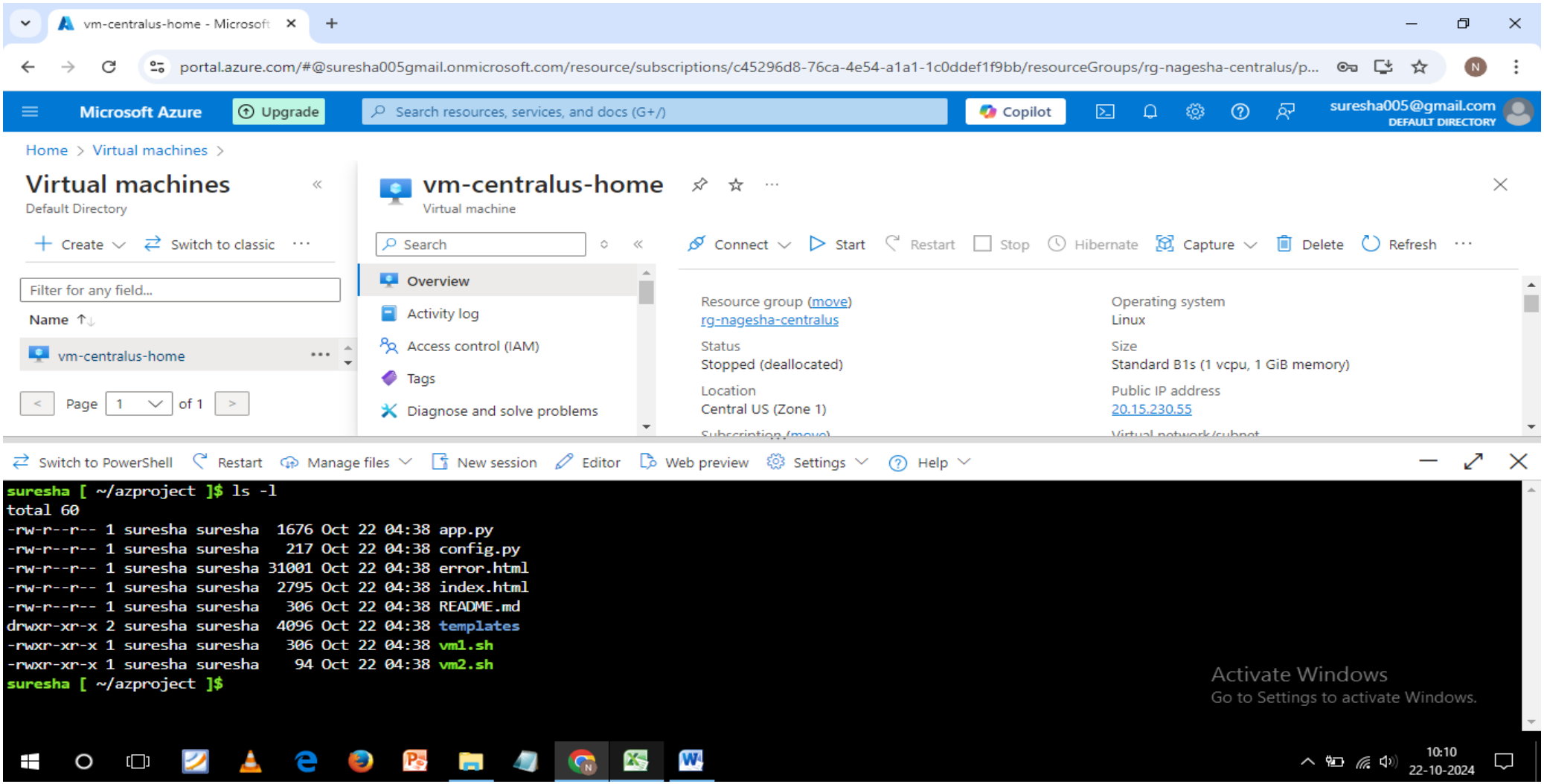
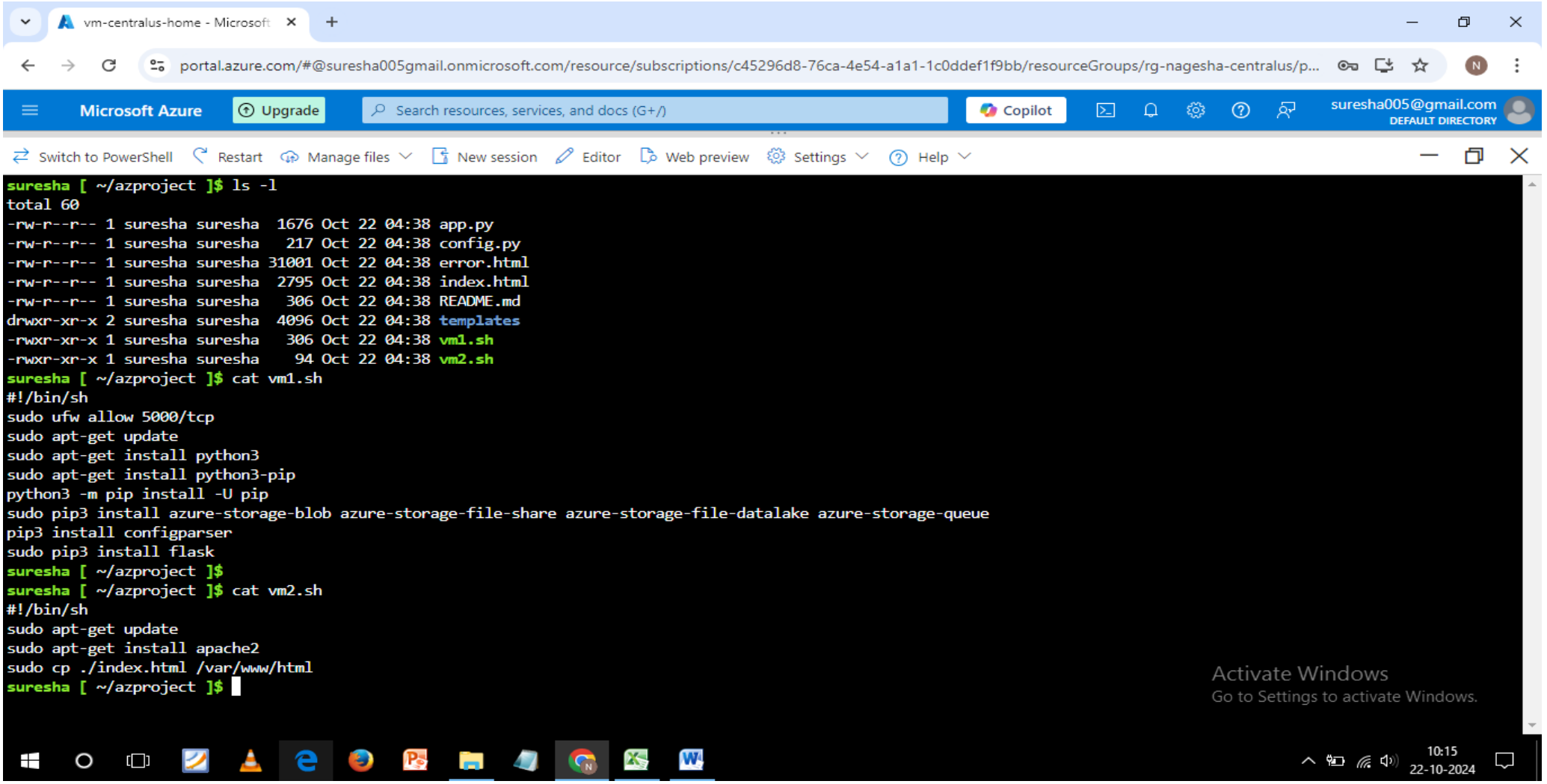
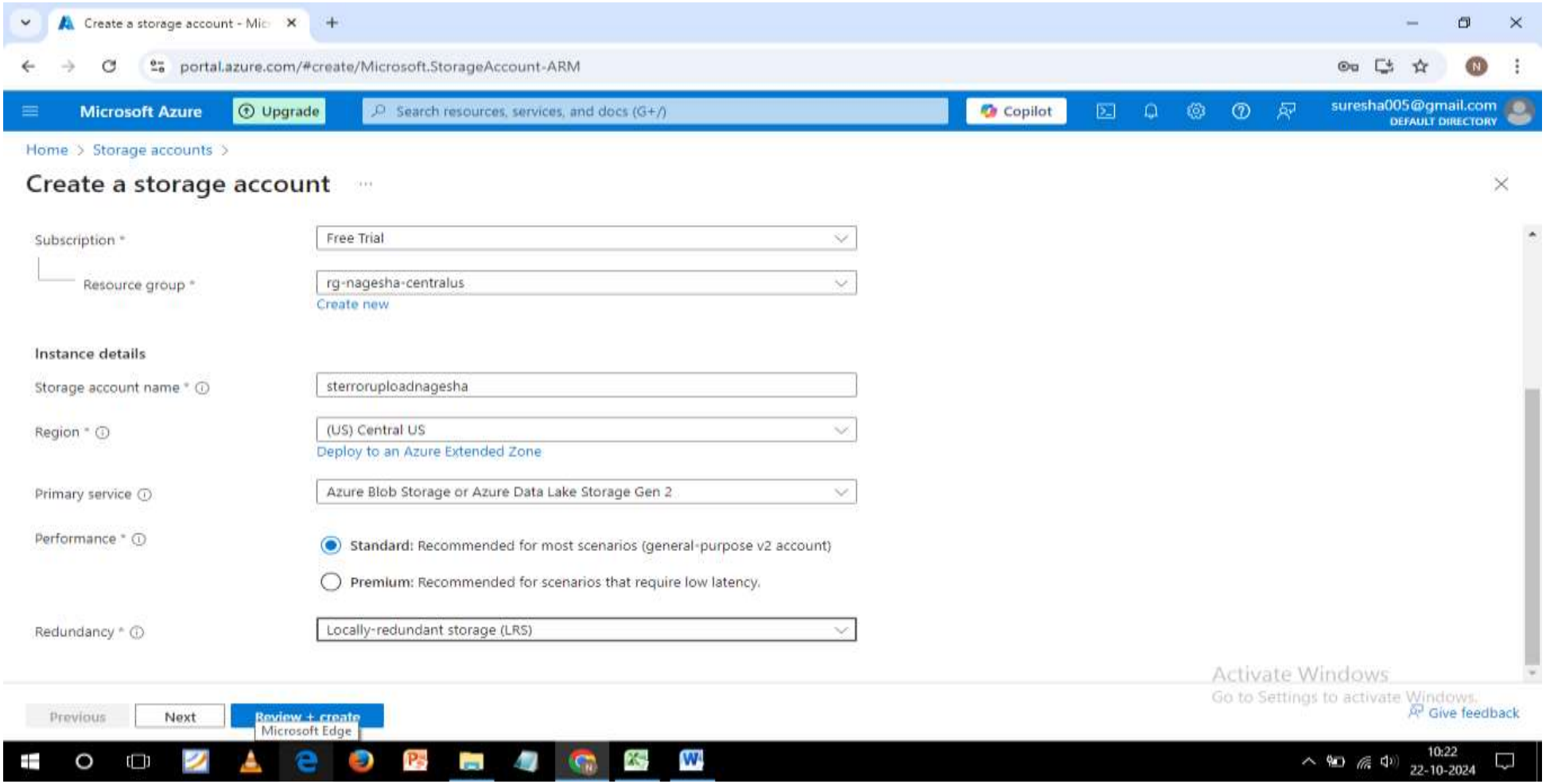
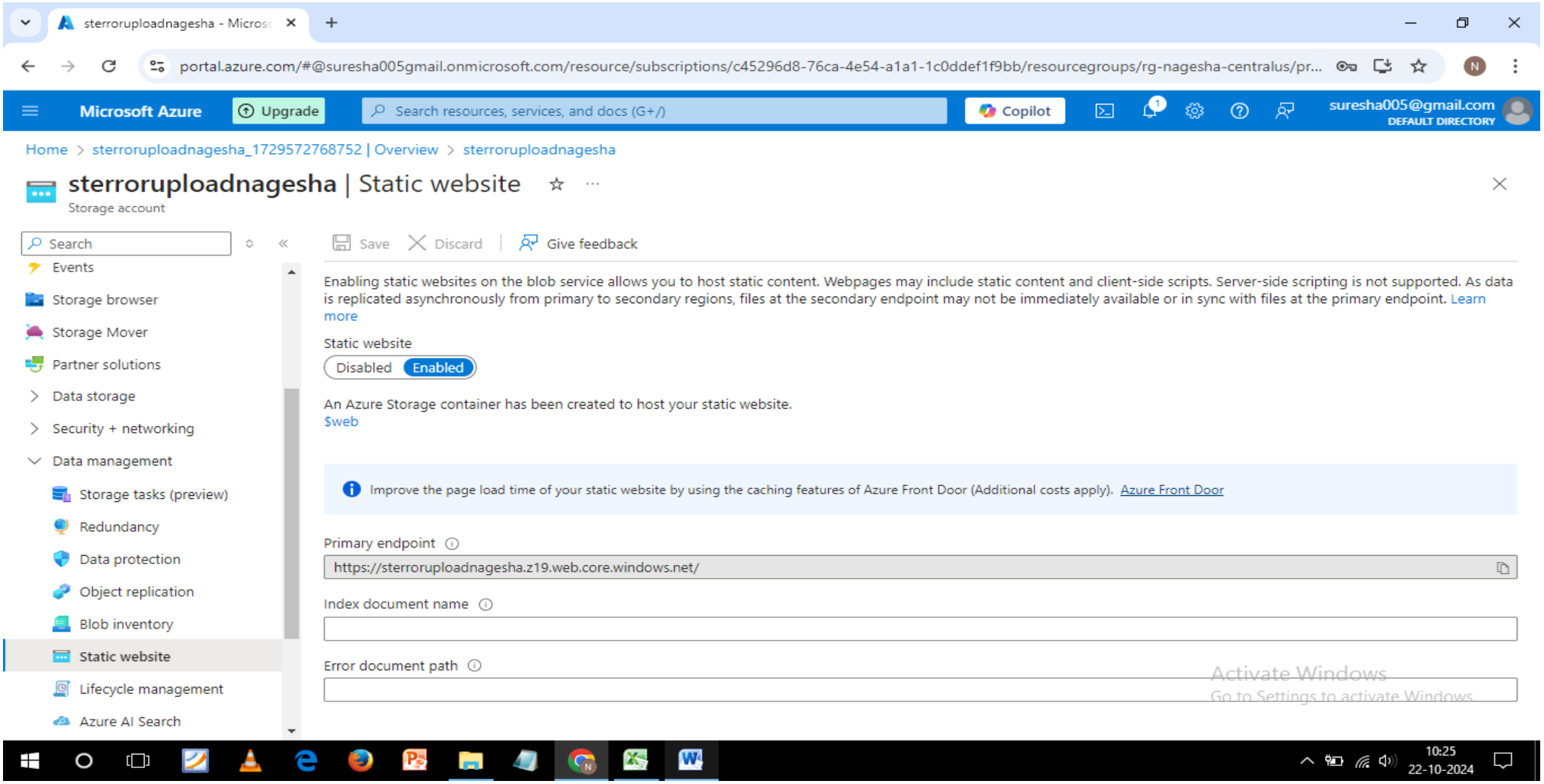
Copilot
suresha005@gmail.com
DEFAULT DIRECTORY
Home
Virtual machines
Default Directory
Create
Switch to classic
Reservations
Manage view
Refresh
Export to CSV
Open query
Assign tags
Start
Restart
Stop
Delete
Filter for any field...
Subscription equals all
Type equals all
Resource group equals all
Location equals all
Add filter
Showing 1 to 4 of 4 records.
No grouping
List view
Name
Subscription
Resource group
Location
Status
Operating system
Size
Public IP address
Disks
vm-centralus-home
Free Trial
rg-nagesha-centralus
Central US
Stopped (deallocated)
Linux
Standard_B1s
20.15.230.55
1
vm-centralus-upload
Free Trial
rg-nagesha-centralus
Central US
Running
Linux
Standard_B1s
-
1
vm-westus-home
Free Trial
rg-nagesha-westus
West US
Stopped (deallocated)
Linux
Standard_B1s
40.83.181.240
1
vm-westus-upload
Free Trial
rg-nagesha-westus
West US
Running
Linux
Standard_B1s
-
1
< Previous
Page 1 of 1
Next >
Activate Windows
Go to Settings to activate Windows.
Give feedback
10:05
22-10-2024

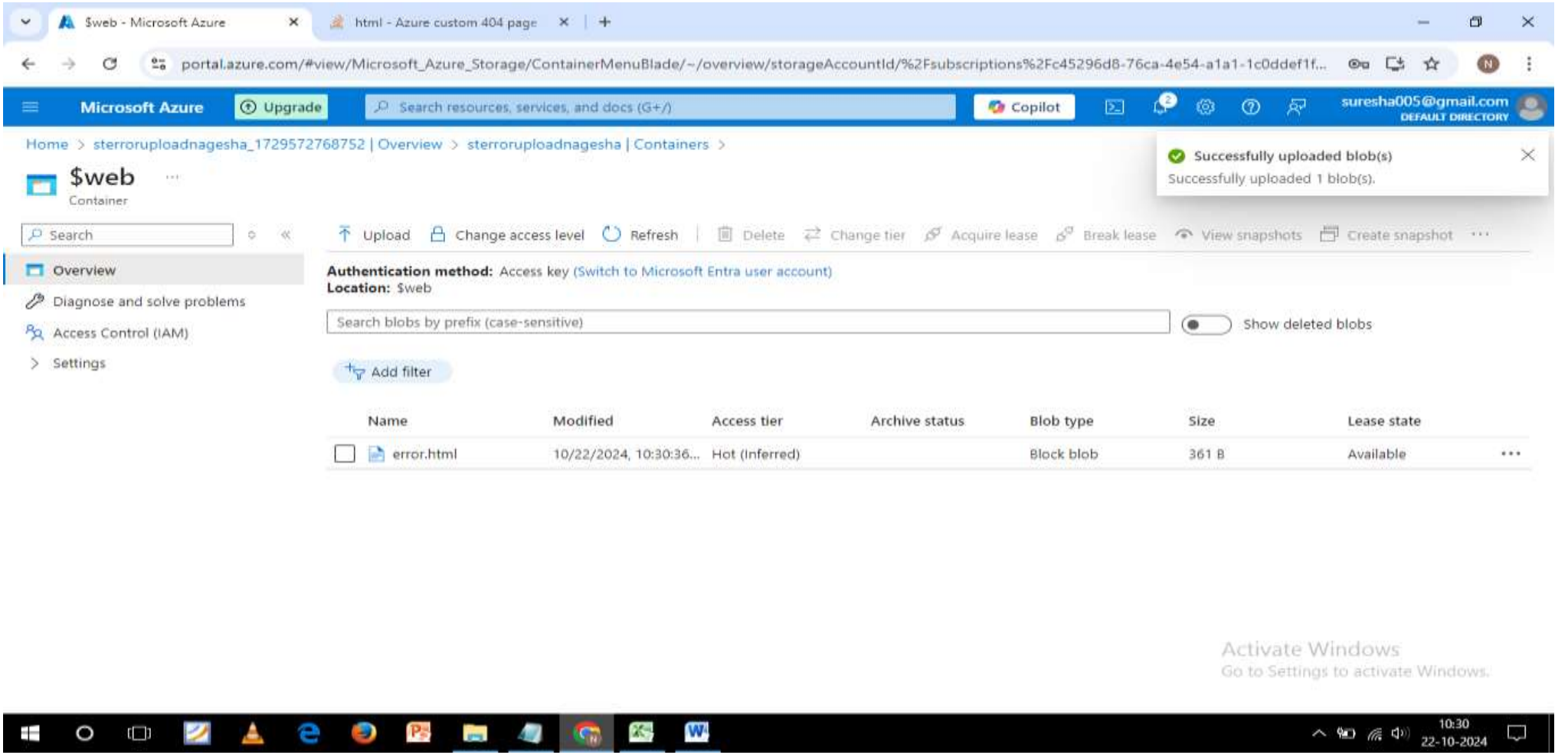

vm-centralus-home - Microsoft
portal.azure.com/#@suresha005gmail.onmicrosoft.com/resource/subscriptions/c45296d8-76ca-4e54-a1a1-1c0ddef1f9bb/resourceGroups/rg-nagesha-centralus/p...
Microsoft Azure
Upgrade
Search resources, services, and docs (G+/)
Copilot
suresha005@gmail.com
DEFAULT DIRECTORY
Home > Virtual machines >
Virtual machines
Default Directory
Create
Switch to classic
Filter for any field...
Name
vm-centralus-home
Page 1 of 1
vm-centralus-home
Virtual machine
Search
Overview
Activity log
Access control (IAM)
Tags
Diagnose and solve problems
Connect
Start
Restart
Stop
Hibernate
Capture
Delete
Refresh
Resource group (move)
rg-nagesha-centralus
Status
Stopped (deallocated)
Location
Central US (Zone 1)
Operating system
Linux
Size
Standard B1s (1 vcpu, 1 GiB memory)
Public IP address
20.15.230.55
Switch to PowerShell
Restart
Manage files
New session
Editor
Web preview
Settings
Help
suresha [~]$ git clone https://github.com/azcloudberg/azproject.git
Cloning into 'azproject'...
remote: Enumerating objects: 229, done.
remote: Counting objects: 100% (26/26), done.
remote: Compressing objects: 100% (12/12), done.
remote: Total 229 (delta 21), reused 14 (delta 14), pack-reused 203 (from 1)
Receiving objects: 100% (229/229), 52.16 KiB | 6.52 MiB/s, done.
Resolving deltas: 100% (108/108), done.
suresha [~]$ cd azproject
suresha [~/azproject]$
Activate Windows
Go to Settings to activate Windows.
10:10
22-10-2024


vm-centralus-home - Microsoft
portal.azure.com/#@suresha005gmail.onmicrosoft.com/resource/subscriptions/c45296d8-76ca-4e54-a1a1-1c0ddef1f9bb/resourceGroups/rg-nagesha-centralus/p...
Microsoft Azure
Upgrade
Search resources, services, and docs (G+/)
Copilot
suresha005@gmail.com
DEFAULT DIRECTORY
Home > Virtual machines >
Virtual machines
Default Directory
Create
Switch to classic
Filter for any field...
Name
vm-centralus-home
Page 1 of 1
vm-centralus-home
Virtual machine
Search
Overview
Activity log
Access control (IAM)
Tags
Diagnose and solve problems
Connect
Start
Restart
Stop
Hibernate
Capture
Delete
Refresh
Resource group (move)
rg-nagesha-centralus
Status
Stopped (deallocated)
Location
Central US (Zone 1)
Operating system
Linux
Size
Standard B1s (1 vcpu, 1 GiB memory)
Public IP address
20.15.230.55
Switch to PowerShell
Restart
Manage files
New session
Editor
Web preview
Settings
Help
suresha [~/azproject]$ ls -l
total 60
-rw-r--r-- 1 suresha suresha 1676 Oct 22 04:38 app.py
-rw-r--r-- 1 suresha suresha 217 Oct 22 04:38 config.py
-rw-r--r-- 1 suresha suresha 31001 Oct 22 04:38 error.html
-rw-r--r-- 1 suresha suresha 2795 Oct 22 04:38 index.html
-rw-r--r-- 1 suresha suresha 306 Oct 22 04:38 README.md
drwxr-xr-x 2 suresha suresha 4096 Oct 22 04:38 templates
-rwxr-xr-x 1 suresha suresha 306 Oct 22 04:38 vm1.sh
-rwxr-xr-x 1 suresha suresha 94 Oct 22 04:38 vm2.sh
suresha [~/azproject]$
Activate Windows
Go to Settings to activate Windows.
10:10
22-10-2024


vm-centralus-home - Microsoft
portal.azure.com/#@suresha005gmail.onmicrosoft.com/resource/subscriptions/c45296d8-76ca-4e54-a1a1-1c0ddef1f9bb/resourceGroups/rg-nagesha-centralus/p...
Microsoft Azure
Upgrade
Search resources, services, and docs (G+/)
Copilot
suresha005@gmail.com
DEFAULT DIRECTORY
Switch to PowerShell
Restart
Manage files
New session
Editor
Web preview
Settings
Help
suresha [~/azproject]$ ls -l
total 60
-rw-r--r-- 1 suresha suresha 1676 Oct 22 04:38 app.py
-rw-r--r-- 1 suresha suresha 217 Oct 22 04:38 config.py
-rw-r--r-- 1 suresha suresha 31001 Oct 22 04:38 error.html
-rw-r--r-- 1 suresha suresha 2795 Oct 22 04:38 index.html
-rw-r--r-- 1 suresha suresha 306 Oct 22 04:38 README.md
drwxr-xr-x 2 suresha suresha 4096 Oct 22 04:38 templates
-rwxr-xr-x 1 suresha suresha 306 Oct 22 04:38 vm1.sh
-rwxr-xr-x 1 suresha suresha 94 Oct 22 04:38 vm2.sh
suresha [~/azproject]$ cat vm1.sh
#!/bin/sh
sudo ufw allow 5000/tcp
sudo apt-get update
sudo apt-get install python3
sudo apt-get install python3-pip
python3 -m pip install -U pip
sudo pip3 install azure-storage-blob azure-storage-file-share azure-storage-file-datalake azure-storage-queue
pip3 install configparser
sudo pip3 install flask
suresha [~/azproject]$
suresha [~/azproject]$ cat vm2.sh
#!/bin/sh
sudo apt-get update
sudo apt-get install apache2
sudo cp ./index.html /var/www/html
suresha [~/azproject]$
Activate Windows
Go to Settings to activate Windows.
10:15
22-10-2024

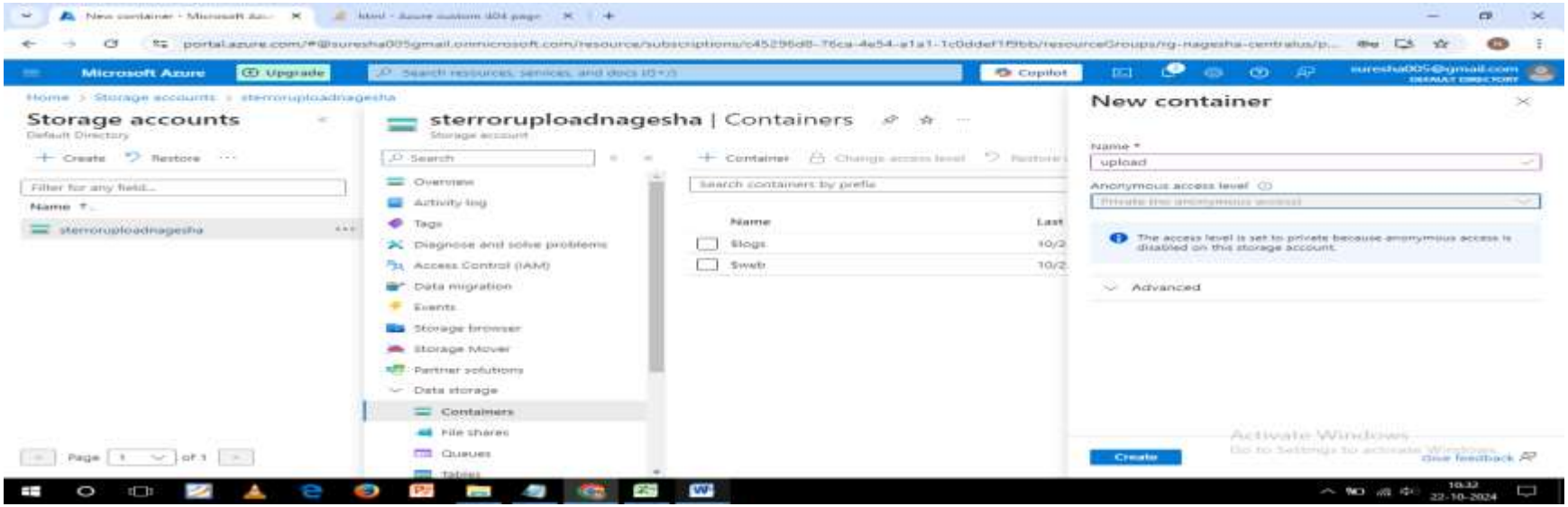

Create a storage account - Mic
portal.azure.com/#create/Microsoft.StorageAccount-ARM
Microsoft Azure
Upgrade
Search resources, services, and docs (G+/)
Copilot
suresha005@gmail.com
DEFAULT DIRECTORY
Home > Storage accounts >
Create a storage account
Subscription *
Free Trial
Resource group *
rg-nagesha-centralus
Create new
Instance details
Storage account name *
sterroruploadnagesha
Region *
(US) Central US
Deploy to an Azure Extended Zone
Primary service
Azure Blob Storage or Azure Data Lake Storage Gen 2
Performance *
Standard: Recommended for most scenarios (general-purpose v2 account)
Premium: Recommended for scenarios that require low latency.
Redundancy *
Locally-redundant storage (LRS)
Activate Windows
Go to Settings to activate Windows.
Give feedback
Previous
Next
Review + create
Microsoft Edge
10:22
22-10-2024

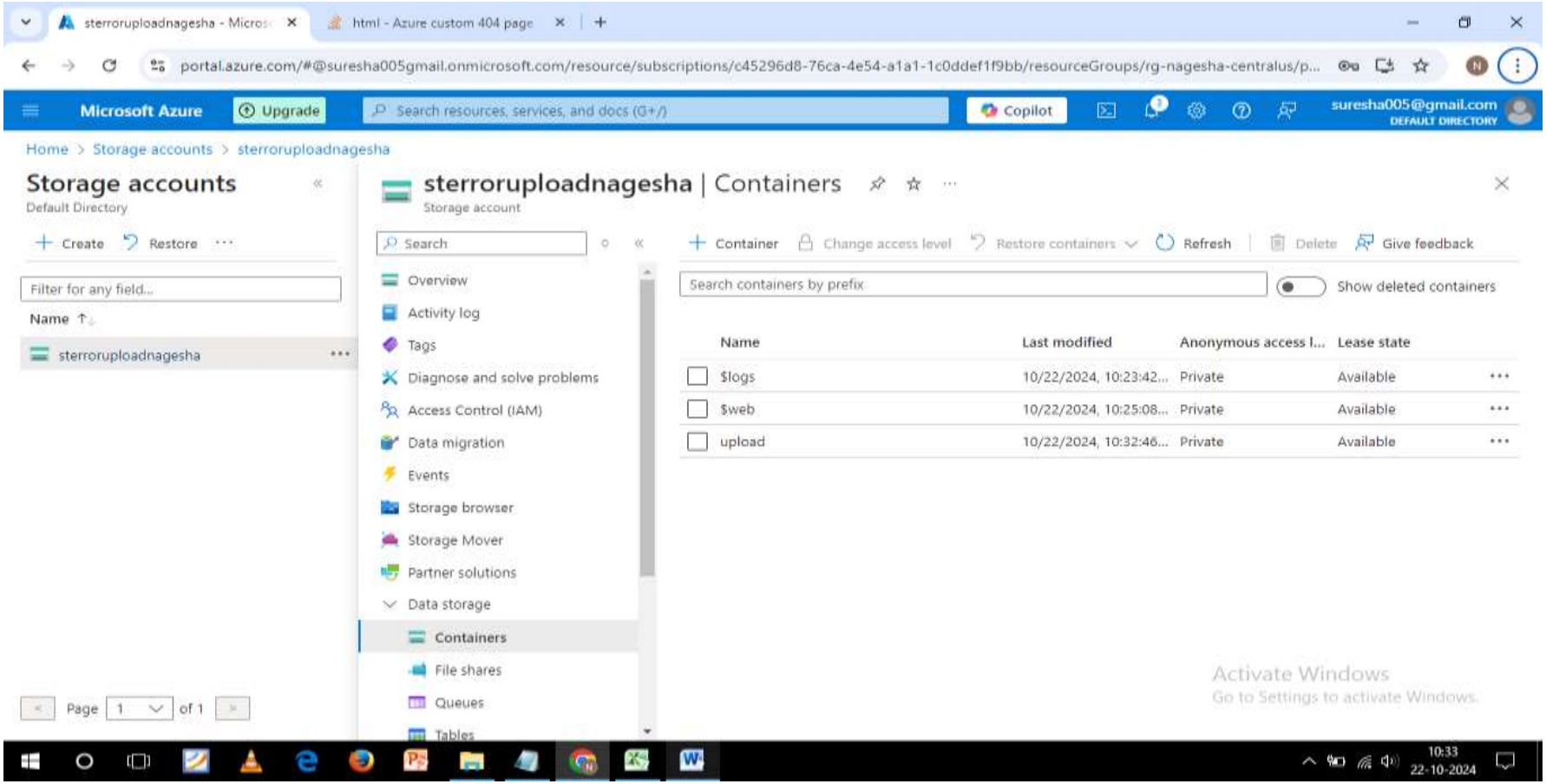

sterroruploadnagesha - Micros
portal.azure.com/#@suresha005gmail.onmicrosoft.com/resource/subscriptions/c45296d8-76ca-4e54-a1a1-1c0ddef1f9bb/resourcegroups/rg-nagesha-centralus/pr...
Microsoft Azure
Upgrade
Search resources, services, and docs (G+/)
Copilot
suresha005@gmail.com
DEFAULT DIRECTORY
Home > sterroruploadnagesha_1729572768752 | Overview > sterroruploadnagesha
sterroruploadnagesha | Static website
Storage account
Search
Events
Storage browser
Storage Mover
Partner solutions
Data storage
Security + networking
Data management
Storage tasks (preview)
Redundancy
Data protection
Object replication
Blob inventory
Static website
Lifecycle management
Azure AI Search
Save
Discard
Give feedback
Enabling static websites on the blob service allows you to host static content. Webpages may include static content and client-side scripts. Server-side scripting is not supported. As data is replicated asynchronously from primary to secondary regions, files at the secondary endpoint may not be immediately available or in sync with files at the primary endpoint. Learn more
Static website
Disabled
Enabled
An Azure Storage container has been created to host your static website.
$web
Improve the page load time of your static website by using the caching features of Azure Front Door (Additional costs apply). Azure Front Door
Primary endpoint
https://sterroruploadnagesha.z19.web.core.windows.net/
Index document name
Error document path
Activate Windows
Go to Settings to activate Windows.
10:25
22-10-2024

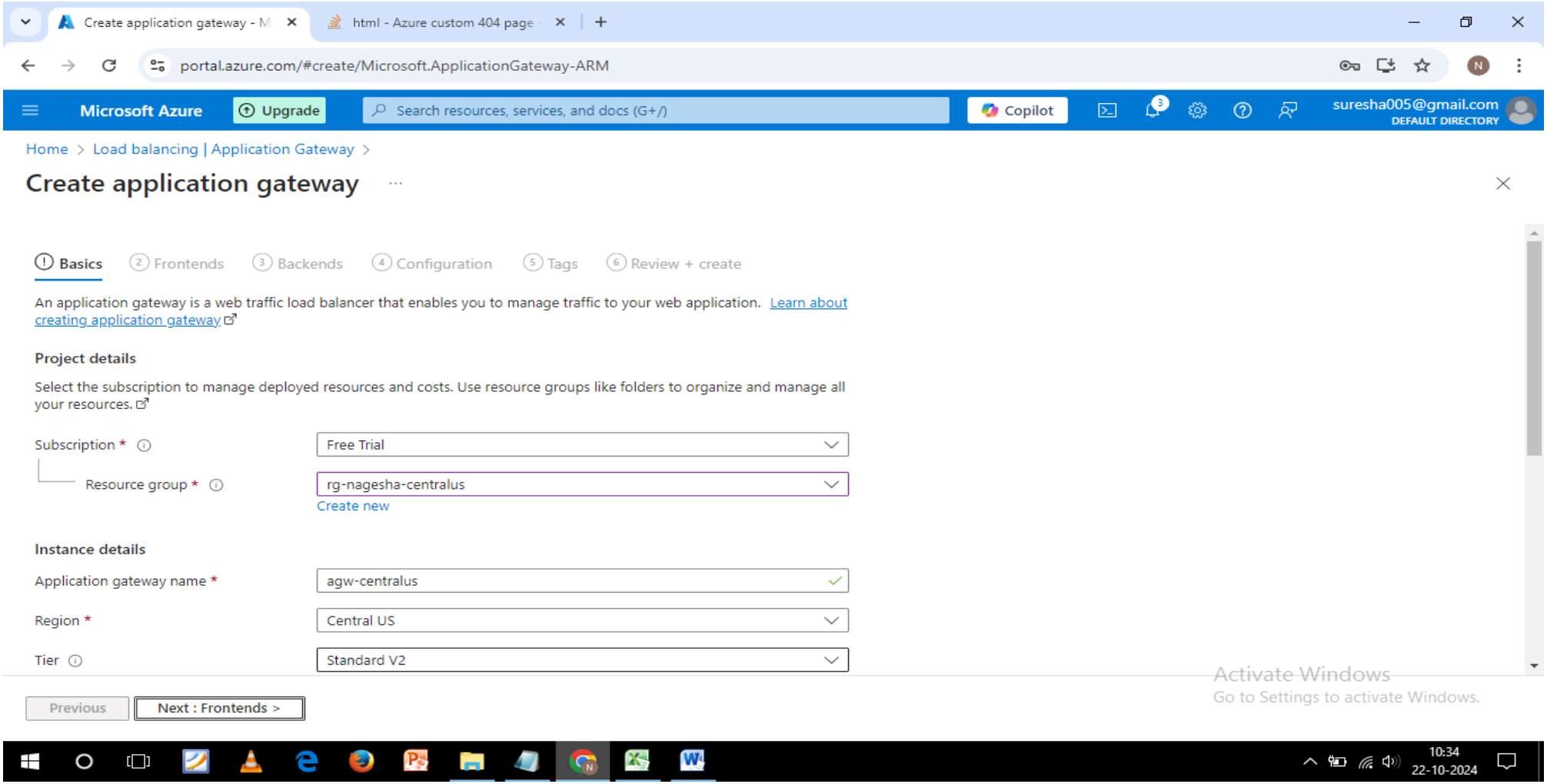

$web - Microsoft Azure
html - Azure custom 404 page
portal.azure.com/#view/Microsoft_Azure_Storage/ContainerMenuBlade/~/overview/storageAccountId/%2Fsubscriptions%2Fc45296d8-76ca-4e54-a1a1-1c0ddef1f...
Microsoft Azure
Upgrade
Search resources, services, and docs (G+/)
Copilot
suresha005@gmail.com
DEFAULT DIRECTORY
Home > sterroruploadnagesha_1729572768752 | Overview > sterroruploadnagesha | Containers >
$web
Container
Successfully uploaded blob(s)
Successfully uploaded 1 blob(s).
Search
Upload
Change access level
Refresh
Delete
Change tier
Acquire lease
Break lease
View snapshots
Create snapshot
Overview
Diagnose and solve problems
Access Control (IAM)
Settings
Authentication method: Access key (Switch to Microsoft Entra user account)
Location: $web
Search blobs by prefix (case-sensitive)
Show deleted blobs
Add filter
Name
Modified
Access tier
Archive status
Blob type
Size
Lease state
error.html
10/22/2024, 10:30:36...
Hot (Inferred)
Block blob
361 B
Available
Activate Windows
Go to Settings to activate Windows.
10:30
22-10-2024

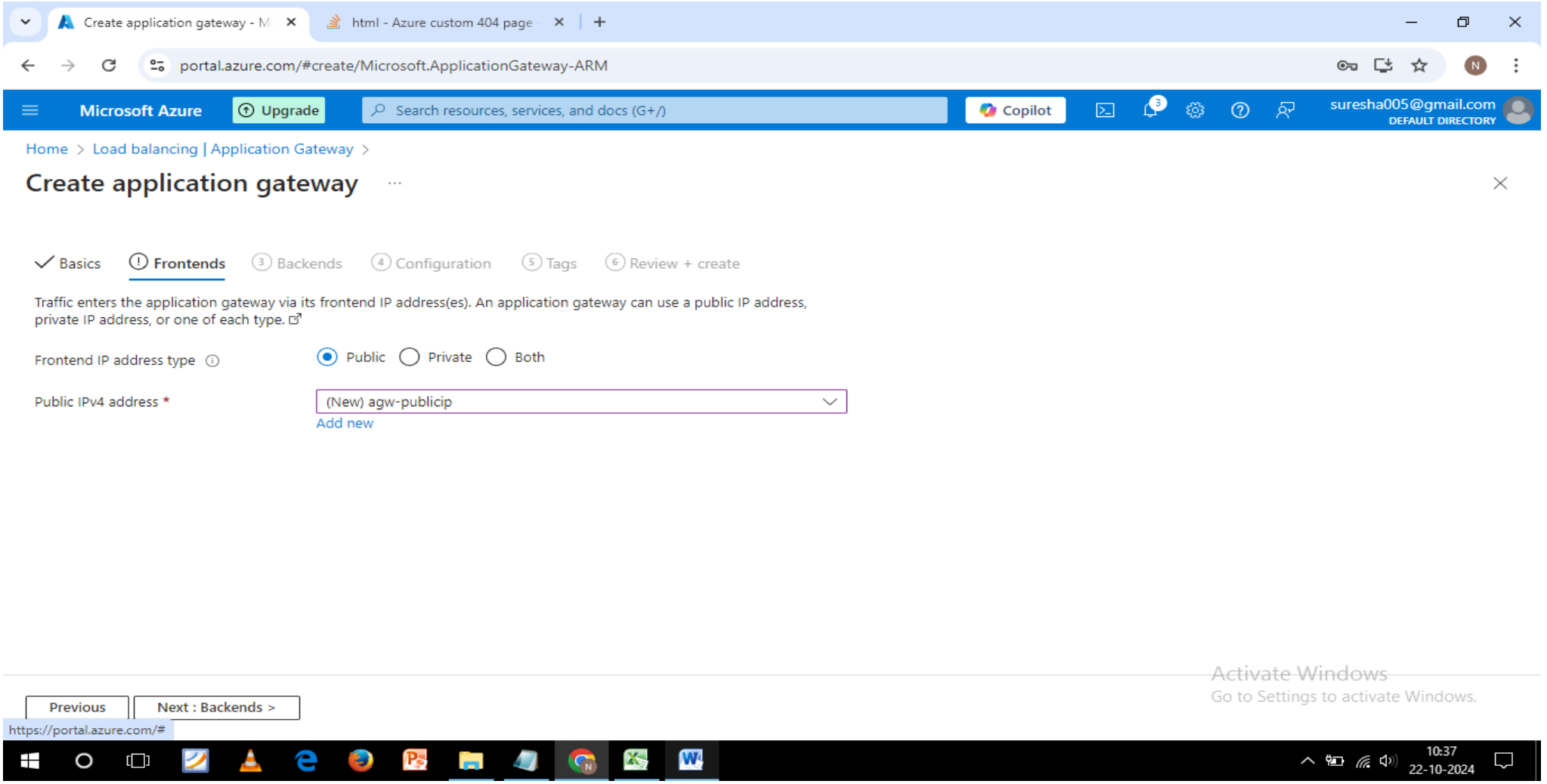
error.html

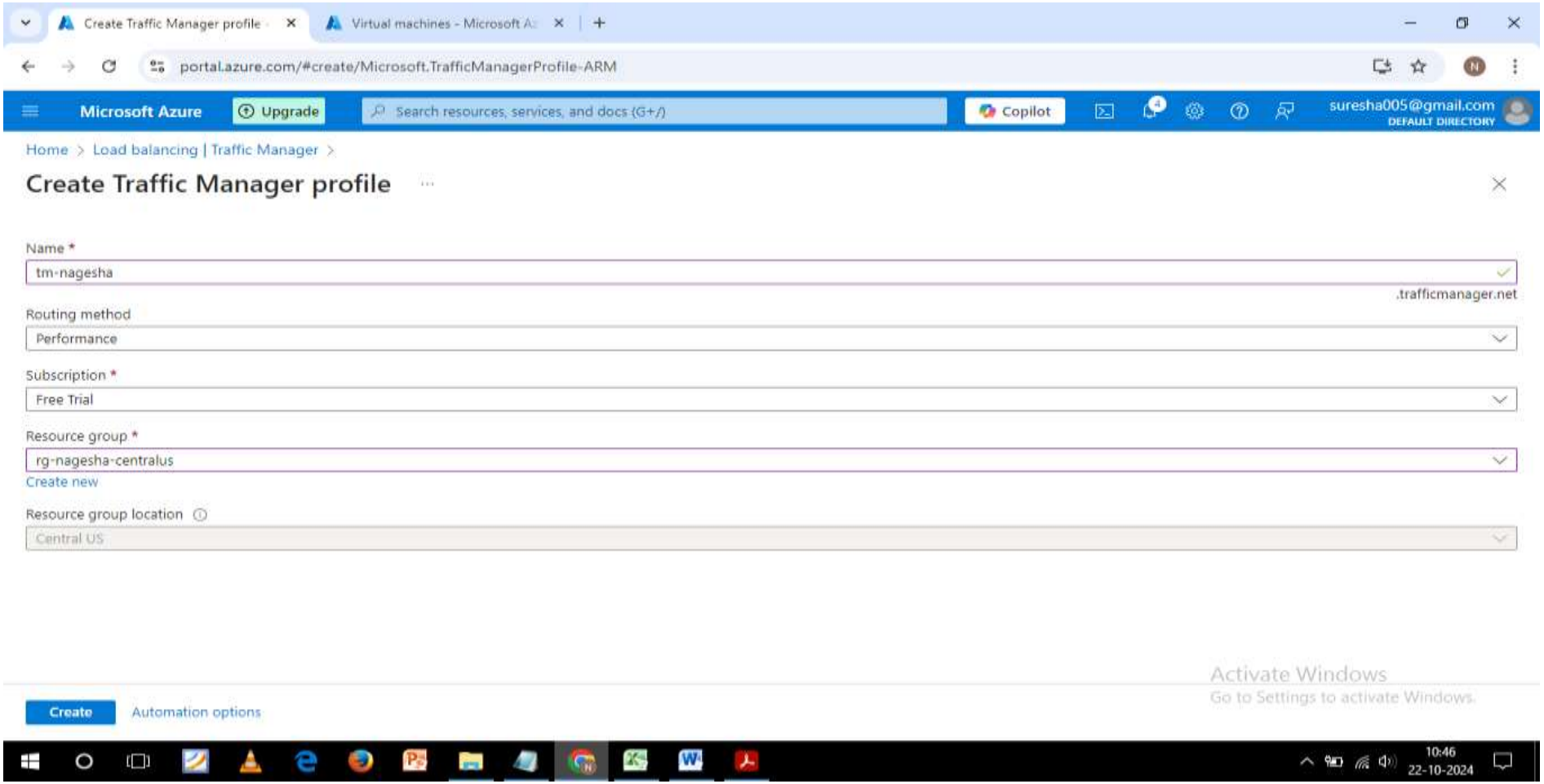
```
<?xml version="1.0" encoding="UTF-8"?>
<configuration>
   <system.webServer>
      <httpErrors errorMode="Custom" defaultResponseMode="ExecuteURL">
         <remove statusCode="404" subStatusCode="-1" />
         <error statusCode="404" path="/404.asp" responseMode="ExecuteURL" />
      </httpErrors>
   </system.webServer>
</configuration>
```

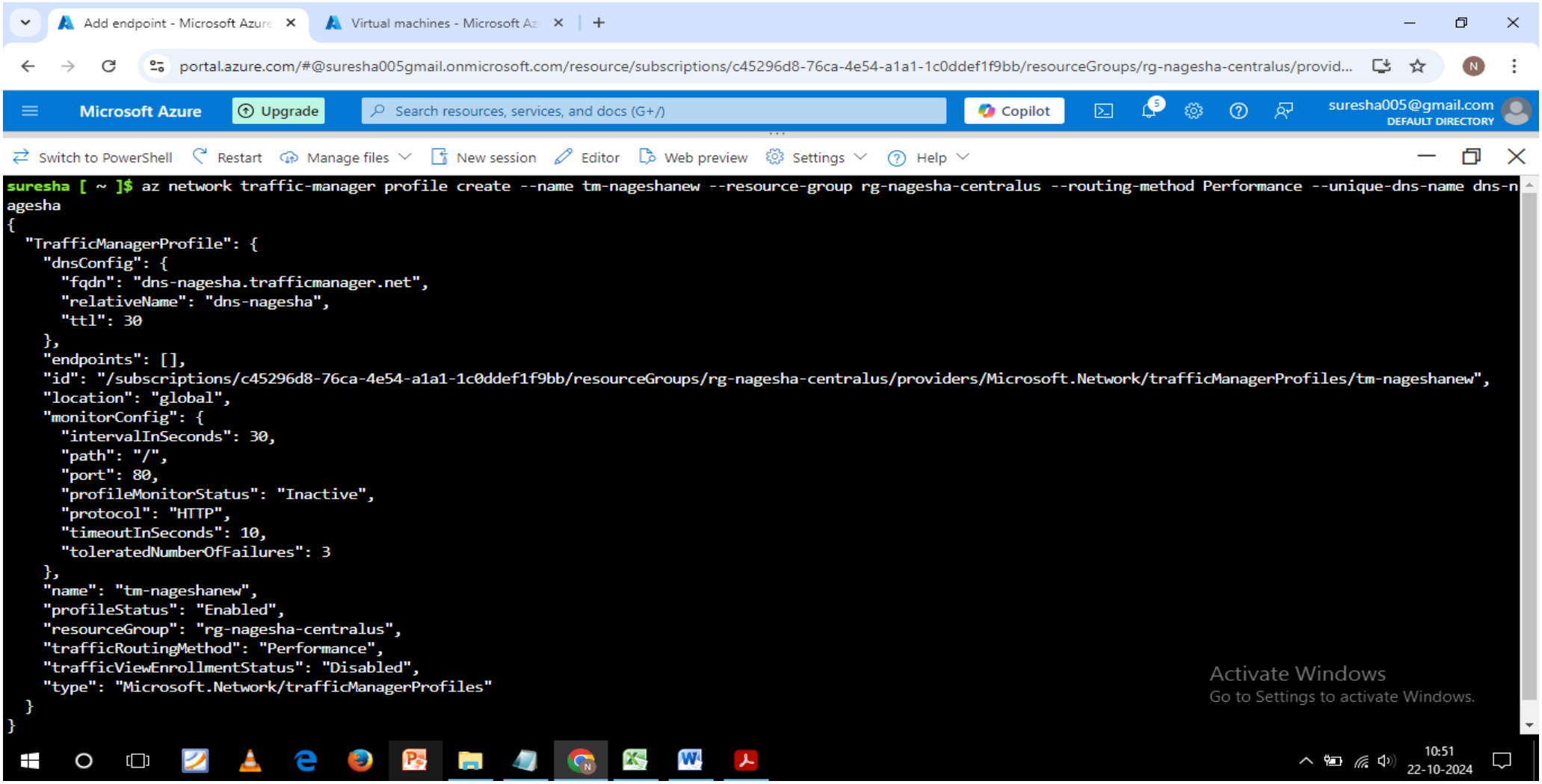


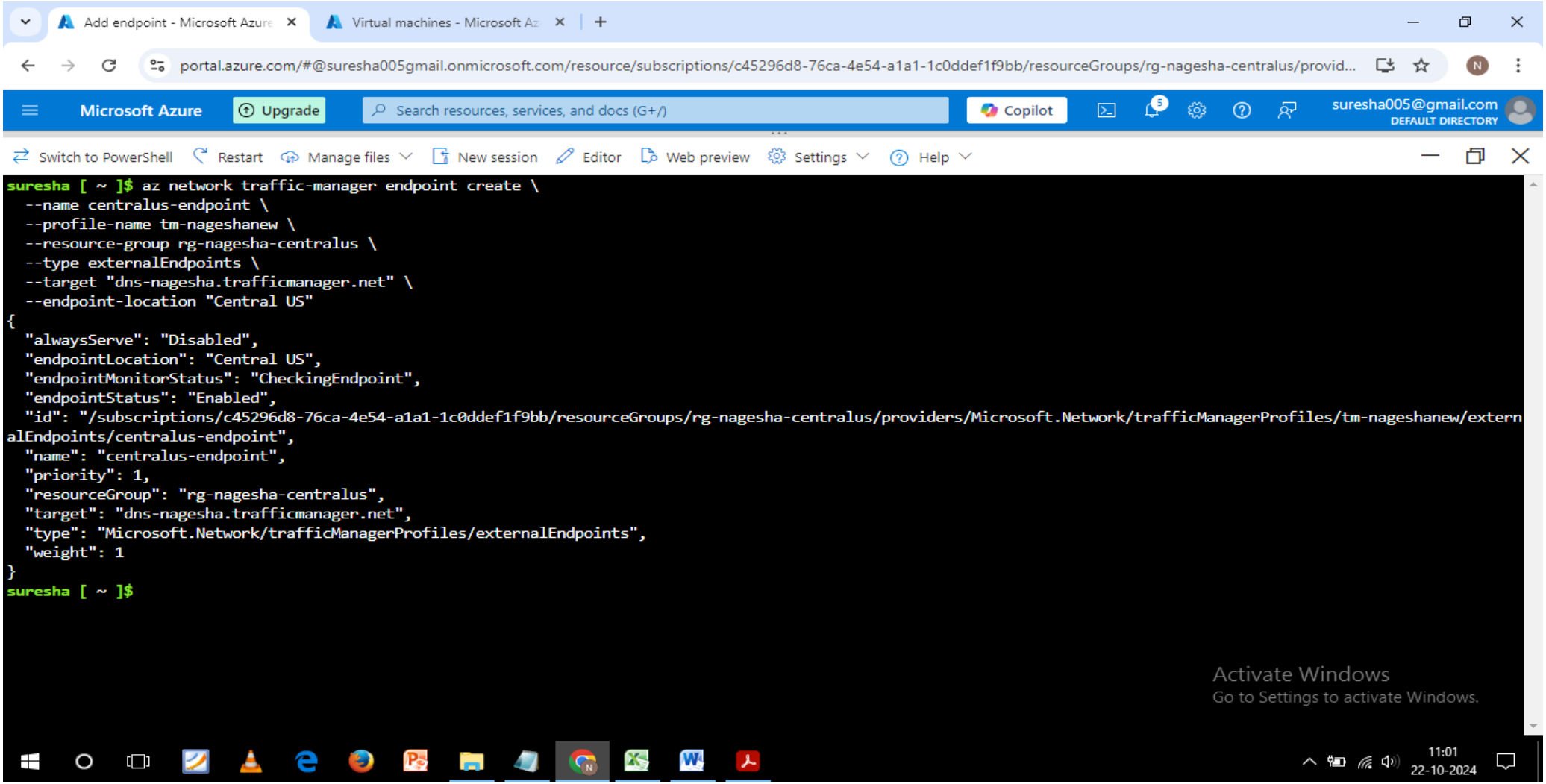

sterroruploadnagesha - Micros
html - Azure custom 404 page
portal.azure.com/#@suresha005gmail.onmicrosoft.com/resource/subscriptions/c45296d8-76ca-4e54-a1a1-1c0ddef1f9bb/resourceGroups/rg-nagesha-centralus/p...
Microsoft Azure
Upgrade
Search resources, services, and docs (G+/)
Copilot
suresha005@gmail.com
DEFAULT DIRECTORY
Home > Storage accounts > sterroruploadnagesha
Storage accounts
Default Directory
Create
Restore
Filter for any field...
Name
sterroruploadnagesha
Page 1 of 1
sterroruploadnagesha | Containers
Storage account
Search
Overview
Activity log
Tags
Diagnose and solve problems
Access Control (IAM)
Data migration
Events
Storage browser
Storage Mover
Partner solutions
Data storage
Containers
File shares
Queues
Tables
Container
Change access level
Restore containers
Refresh
Delete
Give feedback
Search containers by prefix
Show deleted containers
Name
Last modified
Anonymous access l...
Lease state
$logs
10/22/2024, 10:23:42...
Private
Available
$web
10/22/2024, 10:25:08...
Private
Available
upload
10/22/2024, 10:32:46...
Private
Available
Activate Windows
Go to Settings to activate Windows.
10:33
22-10-2024

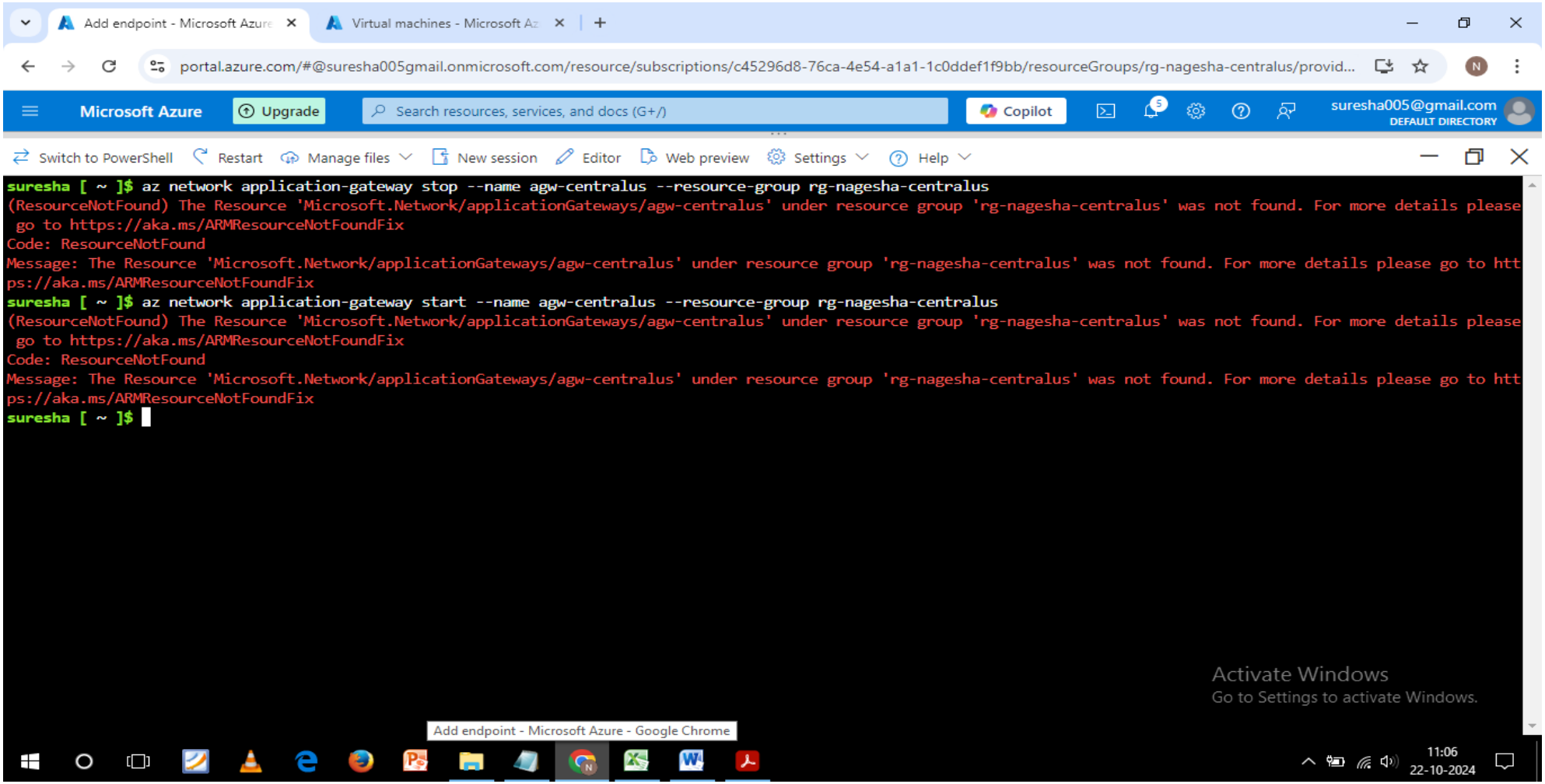

Create application gateway - M
html - Azure custom 404 page
portal.azure.com/#create/Microsoft.ApplicationGateway-ARM
Microsoft Azure
Upgrade
Search resources, services, and docs (G+/)
Copilot
suresha005@gmail.com
DEFAULT DIRECTORY
Home > Load balancing | Application Gateway >
Create application gateway
Basics
Frontends
Backends
Configuration
Tags
Review + create
An application gateway is a web traffic load balancer that enables you to manage traffic to your web application. Learn about creating application gateway
Project details
Select the subscription to manage deployed resources and costs. Use resource groups like folders to organize and manage all your resources.
Subscription *
Free Trial
Resource group *
rg-nagesha-centralus
Create new
Instance details
Application gateway name *
agw-centralus
Region *
Central US
Tier
Standard V2
Activate Windows
Go to Settings to activate Windows.
Previous
Next : Frontends >
10:34
22-10-2024


Create application gateway - M
html - Azure custom 404 page
portal.azure.com/#create/Microsoft.ApplicationGateway-ARM
Microsoft Azure
Upgrade
Search resources, services, and docs (G+/)
Copilot
suresha005@gmail.com
DEFAULT DIRECTORY
Home > Load balancing | Application Gateway >
Create application gateway
Basics
Frontends
Backends
Configuration
Tags
Review + create
Traffic enters the application gateway via its frontend IP address(es). An application gateway can use a public IP address, private IP address, or one of each type.
Frontend IP address type
Public
Private
Both
Public IPv4 address *
(New) agw-publicip
Add new
Activate Windows
Go to Settings to activate Windows.
Previous
Next : Backends >
https://portal.azure.com/#
10:37
22-10-2024


Create Traffic Manager profile
Virtual machines - Microsoft A
portal.azure.com/#create/Microsoft.TrafficManagerProfile-ARM
Microsoft Azure
Upgrade
Search resources, services, and docs (G+/)
Copilot
suresha005@gmail.com
DEFAULT DIRECTORY
Home > Load balancing | Traffic Manager >
Create Traffic Manager profile
Name *
tm-nagesha
.trafficmanager.net
Routing method
Performance
Subscription *
Free Trial
Resource group *
rg-nagesha-centralus
Create new
Resource group location
Central US
Activate Windows
Go to Settings to activate Windows.
Create
Automation options
10:46
22-10-2024


Add endpoint - Microsoft Azure
Virtual machines - Microsoft Az
portal.azure.com/#@suresha005gmail.onmicrosoft.com/resource/subscriptions/c45296d8-76ca-4e54-a1a1-1c0ddef1f9bb/resourceGroups/rg-nagesha-centralus/provid...
Microsoft Azure
Upgrade
Search resources, services, and docs (G+/)
Copilot
suresha005@gmail.com
DEFAULT DIRECTORY
Switch to PowerShell
Restart
Manage files
New session
Editor
Web preview
Settings
Help
suresha [~]$ az network traffic-manager profile create --name tm-nageshanew --resource-group rg-nagesha-centralus --routing-method Performance --unique-dns-name dns-nagesha
{
"TrafficManagerProfile": {
"dnsConfig": {
"fqdn": "dns-nagesha.trafficmanager.net",
"relativeName": "dns-nagesha",
"ttl": 30
},
"endpoints": [],
"id": "/subscriptions/c45296d8-76ca-4e54-a1a1-1c0ddef1f9bb/resourceGroups/rg-nagesha-centralus/providers/Microsoft.Network/trafficManagerProfiles/tm-nageshanew",
"location": "global",
"monitorConfig": {
"intervalInSeconds": 30,
"path": "/",
"port": 80,
"profileMonitorStatus": "Inactive",
"protocol": "HTTP",
"timeoutInSeconds": 10,
"toleratedNumberOfFailures": 3
},
"name": "tm-nageshanew",
"profileStatus": "Enabled",
"resourceGroup": "rg-nagesha-centralus",
"trafficRoutingMethod": "Performance",
"trafficViewEnrollmentStatus": "Disabled",
"type": "Microsoft.Network/trafficManagerProfiles"
}
}
Activate Windows
Go to Settings to activate Windows.
10:51
22-10-2024


Add endpoint - Microsoft Azure
Virtual machines - Microsoft Az
portal.azure.com/#@suresha005gmail.onmicrosoft.com/resource/subscriptions/c45296d8-76ca-4e54-a1a1-1c0ddef1f9bb/resourceGroups/rg-nagesha-centralus/provid...
Microsoft Azure
Upgrade
Search resources, services, and docs (G+/)
Copilot
suresha005@gmail.com
DEFAULT DIRECTORY
Switch to PowerShell
Restart
Manage files
New session
Editor
Web preview
Settings
Help
suresha [~]$ az network traffic-manager endpoint create \
--name centralus-endpoint \
--profile-name tm-nageshanew \
--resource-group rg-nagesha-centralus \
--type externalEndpoints \
--target "dns-nagesha.trafficmanager.net" \
--endpoint-location "Central US"
{
"alwaysServe": "Disabled",
"endpointLocation": "Central US",
"endpointMonitorStatus": "CheckingEndpoint",
"endpointStatus": "Enabled",
"id": "/subscriptions/c45296d8-76ca-4e54-a1a1-1c0ddef1f9bb/resourceGroups/rg-nagesha-centralus/providers/Microsoft.Network/trafficManagerProfiles/tm-nageshanew/externalEndpoints/centralus-endpoint",
"name": "centralus-endpoint",
"priority": 1,
"resourceGroup": "rg-nagesha-centralus",
"target": "dns-nagesha.trafficmanager.net",
"type": "Microsoft.Network/trafficManagerProfiles/externalEndpoints",
"weight": 1
}
suresha [~]$
Activate Windows
Go to Settings to activate Windows.
11:01
22-10-2024


Add endpoint - Microsoft Azure
Virtual machines - Microsoft Az
portal.azure.com/#@suresha005gmail.onmicrosoft.com/resource/subscriptions/c45296d8-76ca-4e54-a1a1-1c0ddef1f9bb/resourceGroups/rg-nagesha-centralus/provid...
Microsoft Azure
Upgrade
Search resources, services, and docs (G+/)
Copilot
suresha005@gmail.com
DEFAULT DIRECTORY
Switch to PowerShell
Restart
Manage files
New session
Editor
Web preview
Settings
Help
suresha [~]$ az network application-gateway stop --name agw-centralus --resource-group rg-nagesha-centralus
(ResourceNotFound) The Resource 'Microsoft.Network/applicationGateways/agw-centralus' under resource group 'rg-nagesha-centralus' was not found. For more details please go to https://aka.ms/ARMResourceNotFoundFix
Code: ResourceNotFound
Message: The Resource 'Microsoft.Network/applicationGateways/agw-centralus' under resource group 'rg-nagesha-centralus' was not found. For more details please go to https://aka.ms/ARMResourceNotFoundFix
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Activate Windows
Go to Settings to activate Windows.
Add endpoint - Microsoft Azure - Google Chrome
11:06
22-10-2024

Commands

Set Up Resource Groups

rg-nagesha-centralus
rg-nagesha-westus
Go to **Resource Groups** > Create RG and region Central US or West US

Set Up Virtual Networks (VNets) and Subnets

Go to **Virtual Networks** > Create vnet-centralus and vnet-westus
Region: Select **Central US / West US**
Subnet Name: subnet-centralus / subnet-westus

Set Up VNet Peering

Go to **vnet-westus** > **Peerings** > **Add westus-to-centralus**
Virtual Network: vnet-westus
Peering Link Name (Remote VNet): westus-to-centralus
Remote Virtual Network: Select vnet-centralus.
Allow Virtual Network Access: Set this to **Enabled**.

Go to **vnet-westus** > **Peerings** > **Add centralus-to-westus**
Virtual Network: vnet-centralus
Peering Link Name (Remote VNet): centrals-to-westus
Remote Virtual Network: Select vnet-westus.
Allow Virtual Network Access: Set this to **Enabled**.

Create Virtual Machines (VM1 and VM2)

Central US VMs:
vm-centralus-home
vm-centralus-upload
West US VMs:
vm-westus-home
vm-westus-upload

Go to **Virtual Machines** > Add >

Resource Group: Choose rg-nagesha-centralus for the VMs: vm-centralus-home and vm-centralus-upload

Resource Group: Choose rg-nagesha-westus for the VMs: vm-westus-home annd vm-westus-upload

Image: Choose **Ubuntu Server 20.04 LTS** (Free Tier)

Size: Use **Standard_B1s** (Free Tier)

Authentication Type: **Password**

Username: user-centralus-home

Password: user-centralus-home@1234

ssh user-centralus-home@20.15.230.55

Username: user-centralus-upload

Password: user-centralus-upload@1234

ssh user-centralus-upload@20.118.223.73

Username: user-westus-home

Password: user-westus-home@1234

ssh user-westus-home@40.83.181.240

Username: user-westus-upload

Password: user-westus-upload@1234

ssh user-westus-upload@104.40.53.66

Create a Load Balancer with a Public IP

Go to **Create a resource** > **Load Balancer lb-nagesha**

For **SKU**, select **Standard** (supports both static and dynamic IPs).

Go to Frontend IP Configuration and create a new **Public IP** public-ip-lb-nagesha

In the Load Balancer, go to **Backend Pools > Add backend-pool and Network Interface (NIC) of the existing VM and the new VM.**

Go to **Load Balancing rules** under the Load Balancer > Add lb-rule and set Frontend IP as frontend-ip.

Clone the GitHub Repository and Run Scripts

git clone https://github.com/azcloudberg/azproject.git
cd azproject

Run the Scripts:

On the vm-centralus-upload and vm-westus-upload VMs:

./vm1.sh

On the vm-centralus-home and vm-westus-home VMs:

./vm2.sh

Configure the Storage Account

Resource Group: Choose rg-nagesha-centralus / rg-nagesha-westus
Storage account name: sterroruploadnagesha
Region: Select **Central US / West US**
Performance: Standard.
Redundancy: **Standard LRS** (Locally Redundant Storage).
Enable Static Website Hosting:
Go to **Static website** under the **Data management** section. Click Enable.
Set the **Index document name** to error.html (or leave blank if there's no need for an index page).
Upload error.html
Go to the **$web** container that was created automatically for static website hosting.
Click **Upload** and select the error.html file from your local system.
Create the upload Container:
Go to **Containers** under the **Data storage** section in the storage account > Upload
Set the **Public access level** to **Private (no anonymous access)** if you want to ensure security.

Configure the Application Gateway

Go to **Application Gateways** > Create agw-centralus / agw-westus
Resource Group: Select rg-nagesha-centralus for Central US or rg-nagesha-westus for West US.
Region: Select **Central US** for agw-centralus or **West US** for agw-westus.
Tier: **Standard_v2**
Configure Frontend > Select Public

Configure Backend Pools > Add backendpool-home

Add the IP addresses of vm-centralus-home or vm-westus-home

Set Up URL-Based Routing Rules > Add rule-home for example.com/ and rule-upload for example.com/upload.

Under the **Routing rules** > **Add a routing rule**.

Listener Name: listener-home or listener-upload.

Frontend IP: Select the public

Protocol: HTTP or HTTPS

Port: 80 for HTTP or 443 for HTTPS.

Backend Target > backendpool-home or backendpool-upload

Configure Traffic Manager

Go to **Traffic Manager profiles** >

Resource Group: Select rg-nagesha-centralus (as Traffic Manager is a global service, it only needs to be created in one region).

Name: tm-nagesha.

Routing Method: **Performance** (to ensure users are directed to the region with the lowest latency).

Unique DNS Name: DNS-nagesha.

Add Endpoints:centralus-endpoint.

Under **Settings**, go to **Endpoints** > **Add**

For **Endpoint type**, select **Azure endpoint**.

Target resource type: Choose **Public IP address**.

Target resource: Select the public IP associated with agw-centralus.

Verify Traffic Routing

```
az network application-gateway stop --name agw-centralus --resource-group rg-nagesha-centralus
az network application-gateway start --name agw-westus --resource-group rg-nagesha-westus
```