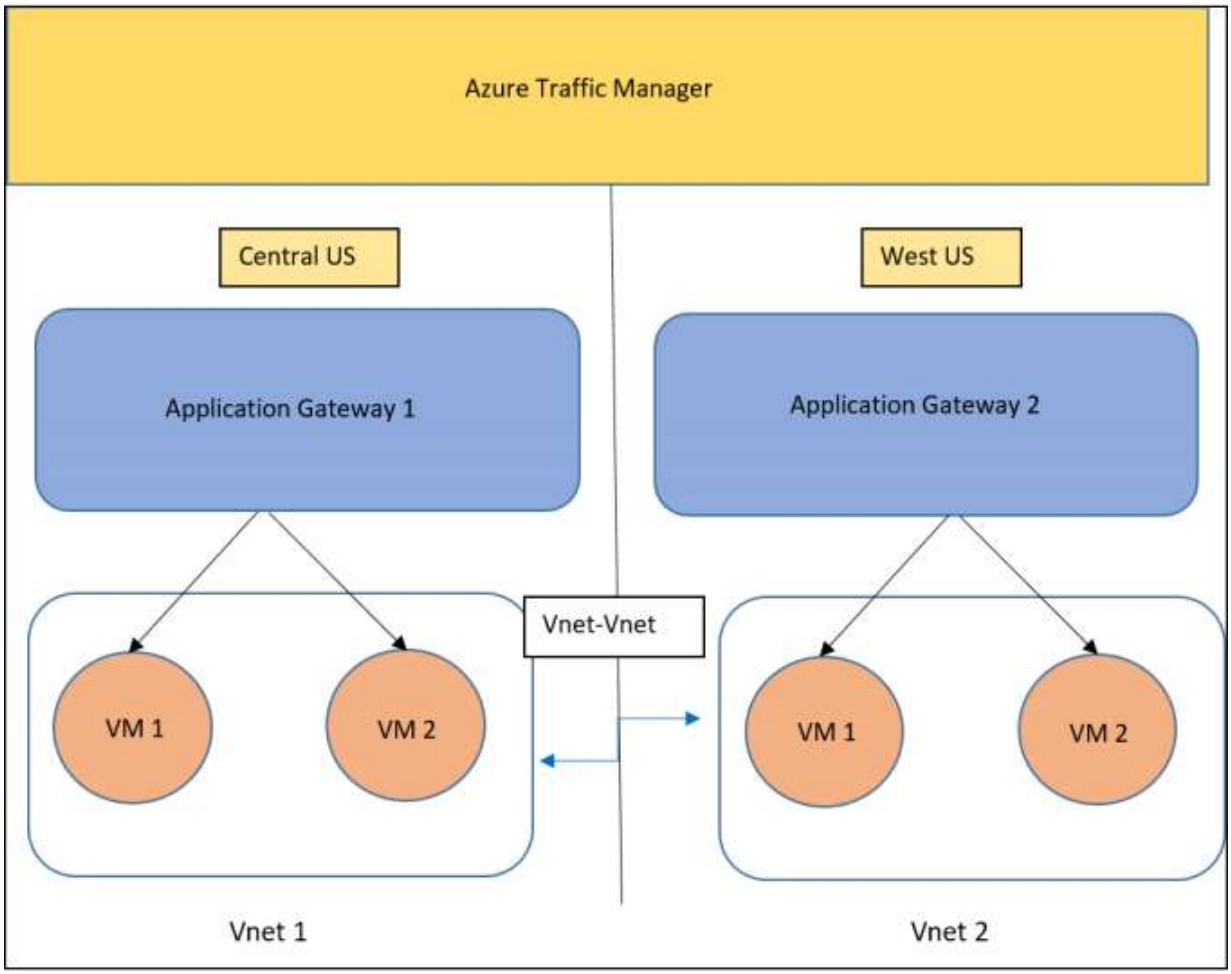
Azure Administrator
Capstone Project
Az-104

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.

Storage 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.

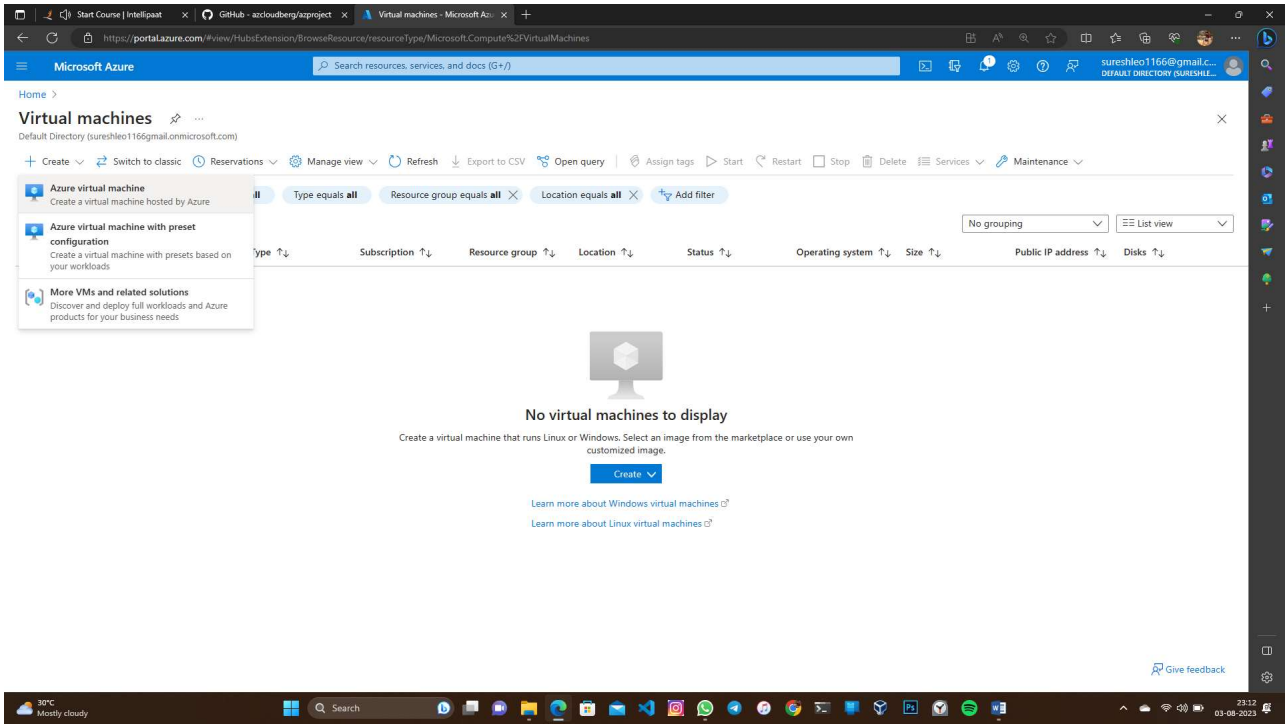
Technical specifications for the deployments are as follows:

1. Deployments in both regions should have VMs inside VNets.
2. Clone the GitHub repo https://github.com/azcloudberg/azproject to all theVMs.
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 theGitHub 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.

Solution: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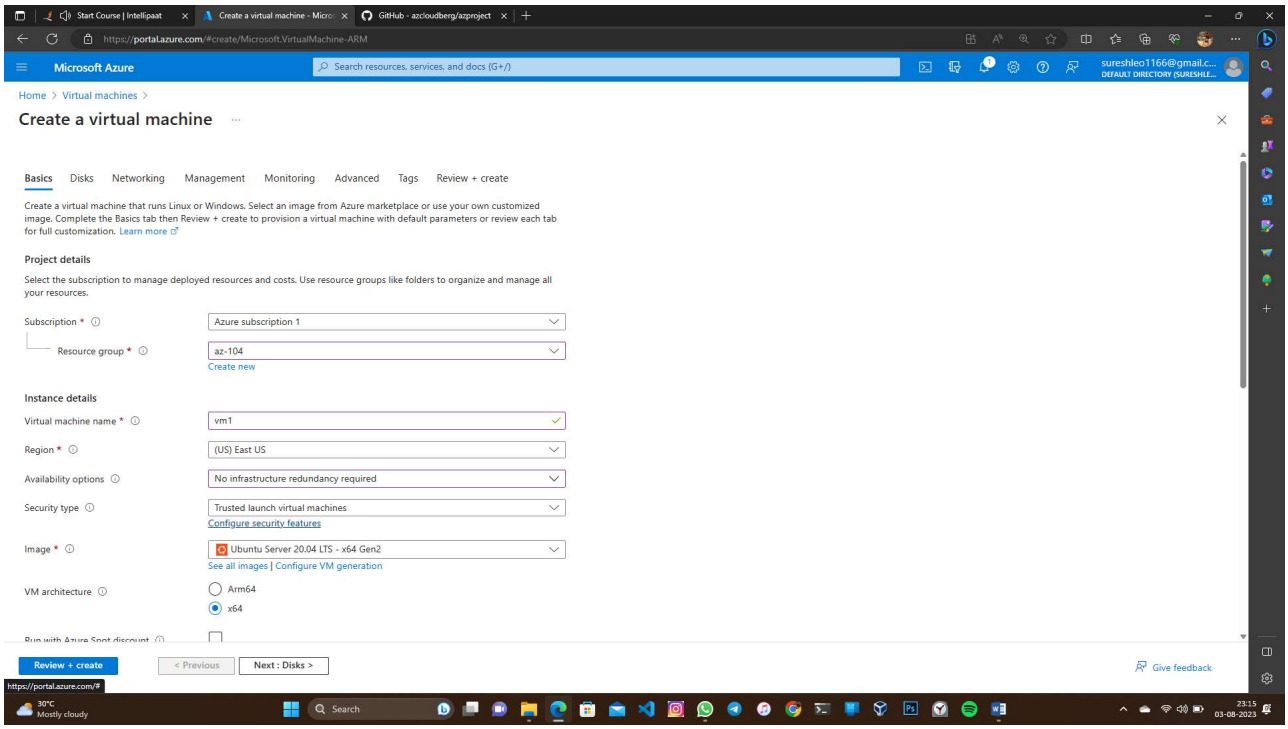
Home
Virtual machines
Default Directory (sureshleo1166gmail.onmicrosoft.com)
Create
Switch to classic
Reservations
Manage view
Refresh
Export to CSV
Open query
Assign tags
Start
Restart
Stop
Delete
Services
Maintenance
Azure virtual machine
Create a virtual machine hosted by Azure
Azure virtual machine with preset configuration
Create a virtual machine with presets based on your workloads
More VMs and related solutions
Discover and deploy full workloads and Azure products for your business needs
Type equals all
Resource group equals all
Location equals all
Add filter
No grouping
List view
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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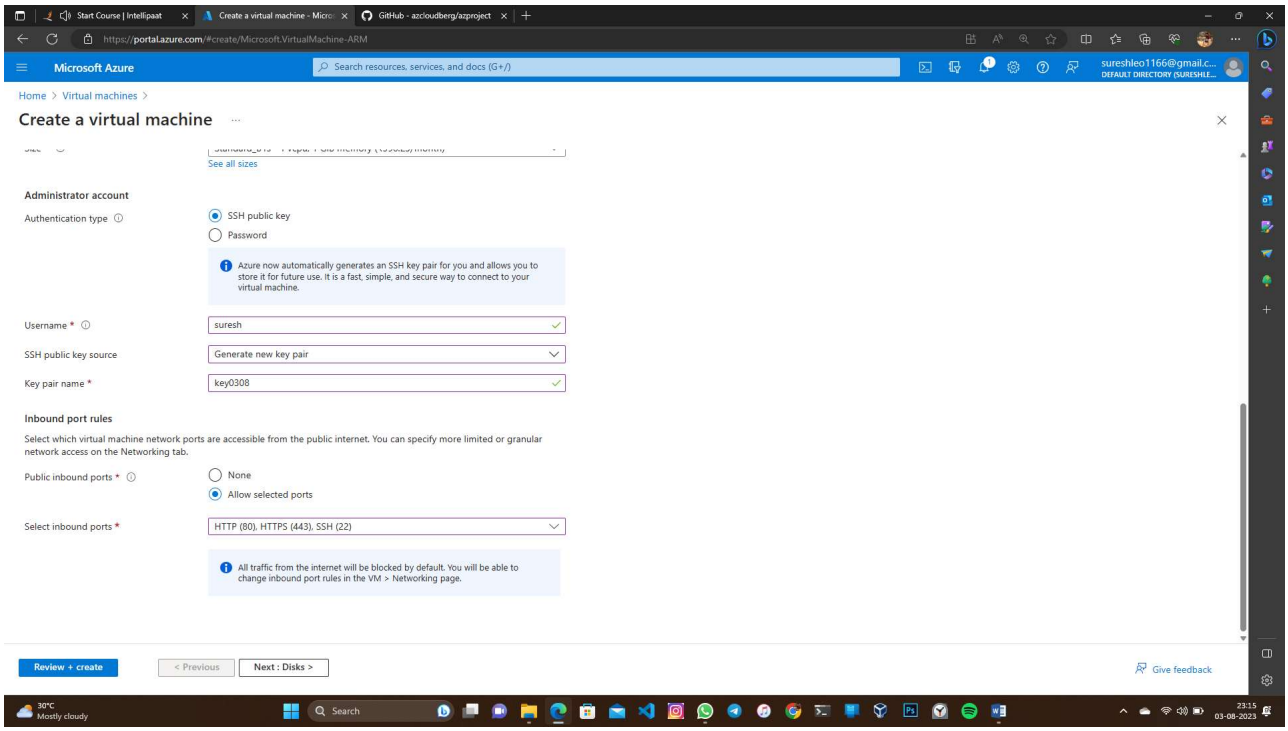
Home
Virtual machines
Create a virtual machine
Basics
Disks
Networking
Management
Monitoring
Advanced
Tags
Review + create
Create a virtual machine that runs Linux or Windows. Select an image from Azure marketplace or use your own customized image. Complete the Basics tab then Review + create to provision a virtual machine with default parameters or review each tab for full customization. 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 subscription 1
Resource group *
az-104
Create new
Instance details
Virtual machine name *
vm1
Region *
(US) East US
Availability options
No infrastructure redundancy required
Security type
Trusted launch virtual machines
Configure security features
Image *
Ubuntu Server 20.04 LTS - x64 Gen2
See all images | Configure VM generation
VM architecture
Arm64
x64
Review + create
< Previous
Next : Disks >
Give feedback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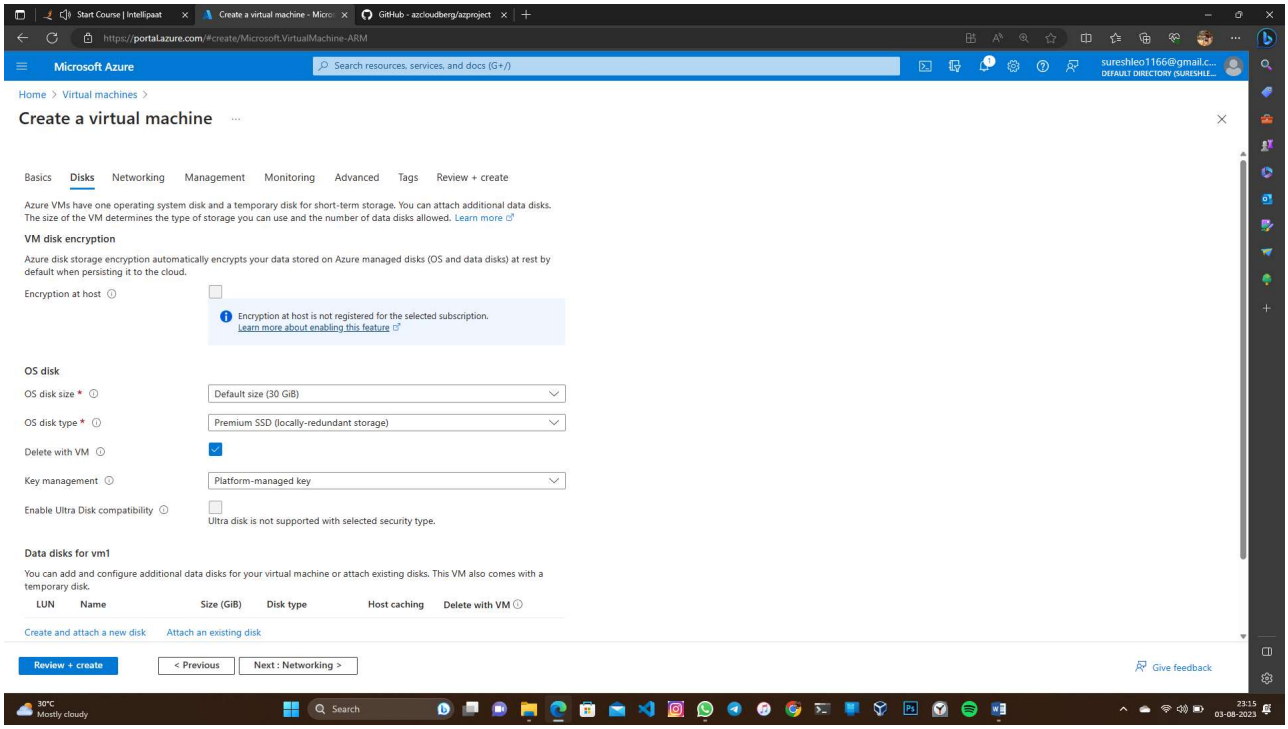
GitHub - azcloudberg/azproject
https://portal.azure.com/#create/Microsoft.VirtualMachine-ARM
Microsoft Azure
Search resources, services, and docs (G+/)
sureshleo1166@gmail.c...
DEFAULT DIRECTORY (SURESHLE...
Home > Virtual machines >
Create a virtual machine
See all sizes
Administrator account
Authentication type
SSH public key
Password
Azure now automatically generates an SSH key pair for you and allows you to store it for future use. It is a fast, simple, and secure way to connect to your virtual machine.
Username *
suresh
SSH public key source
Generate new key pair
Key pair name *
key0308
Inbound port rules
Select which virtual machine network ports are accessible from the public internet. You can specify more limited or granular network access on the Networking tab.
Public inbound ports *
None
Allow selected ports
Select inbound ports *
HTTP (80), HTTPS (443), SSH (22)
All traffic from the internet will be blocked by default. You will be able to change inbound port rules in the VM > Networking page.
Review + create
< Previous
Next : Disks >
Give feedback
30°C
Mostly cloudy
Search
23:15
03-08-2023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https://portal.azure.com/#create/Microsoft.VirtualMachine-ARM
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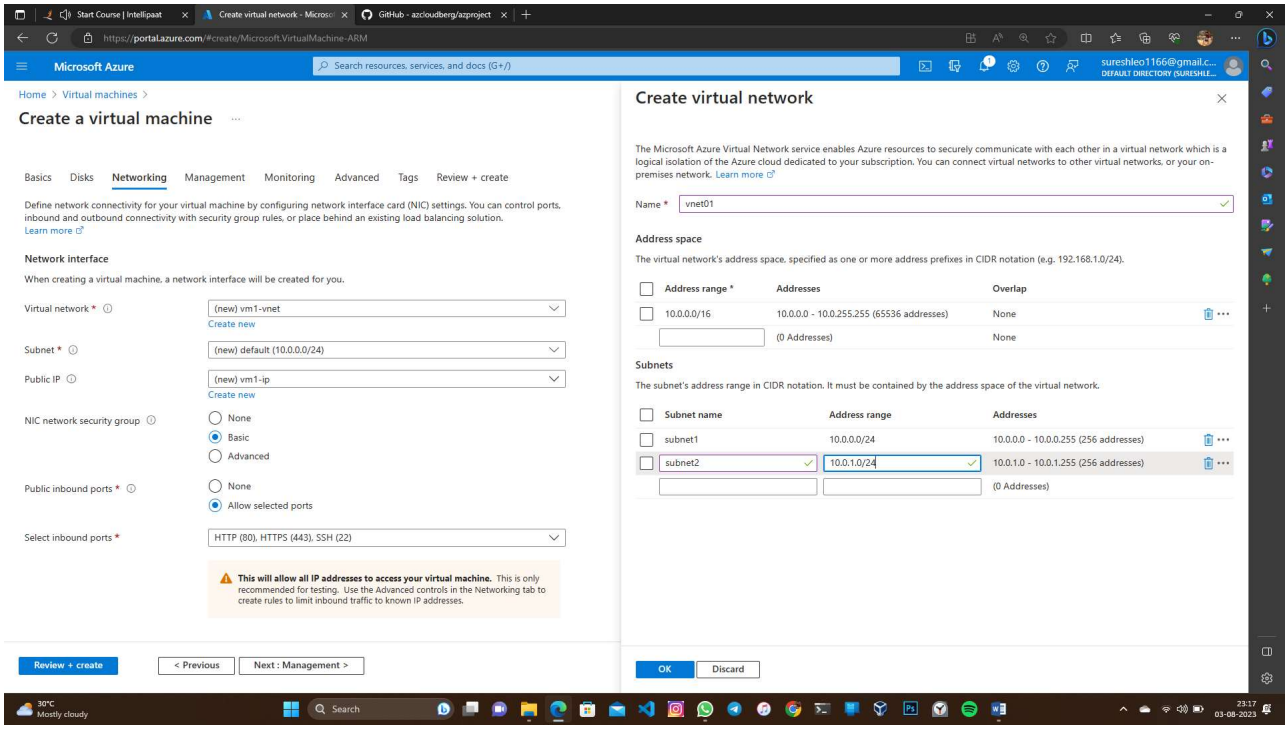
DEFAULT DIRECTORY (SURESHLE...
Home > Virtual machines >
Create a virtual machine
Basics
Disks
Networking
Management
Monitoring
Advanced
Tags
Review + create
Azure VMs have one operating system disk and a temporary disk for short-term storage. You can attach additional data disks. The size of the VM determines the type of storage you can use and the number of data disks allowed. Learn more
VM disk encryption
Azure disk storage encryption automatically encrypts your data stored on Azure managed disks (OS and data disks) at rest by default when persisting it to the cloud.
Encryption at host
Encryption at host is not registered for the selected subscription.
Learn more about enabling this feature
OS disk
OS disk size *
Default size (30 GiB)
OS disk type *
Premium SSD (locally-redundant storage)
Delete with VM
Key management
Platform-managed key
Enable Ultra Disk compatibility
Ultra disk is not supported with selected security type.
Data disks for vm1
You can add and configure additional data disks for your virtual machine or attach existing disks. This VM also comes with a temporary disk.
LUN
Name
Size (GiB)
Disk type
Host caching
Delete with VM
Create and attach a new disk
Attach an existing disk
Review + create
< Previous
Next : Networking >
Give feedback
30°C
Mostly cloudy
Search
23:15
03-08-2023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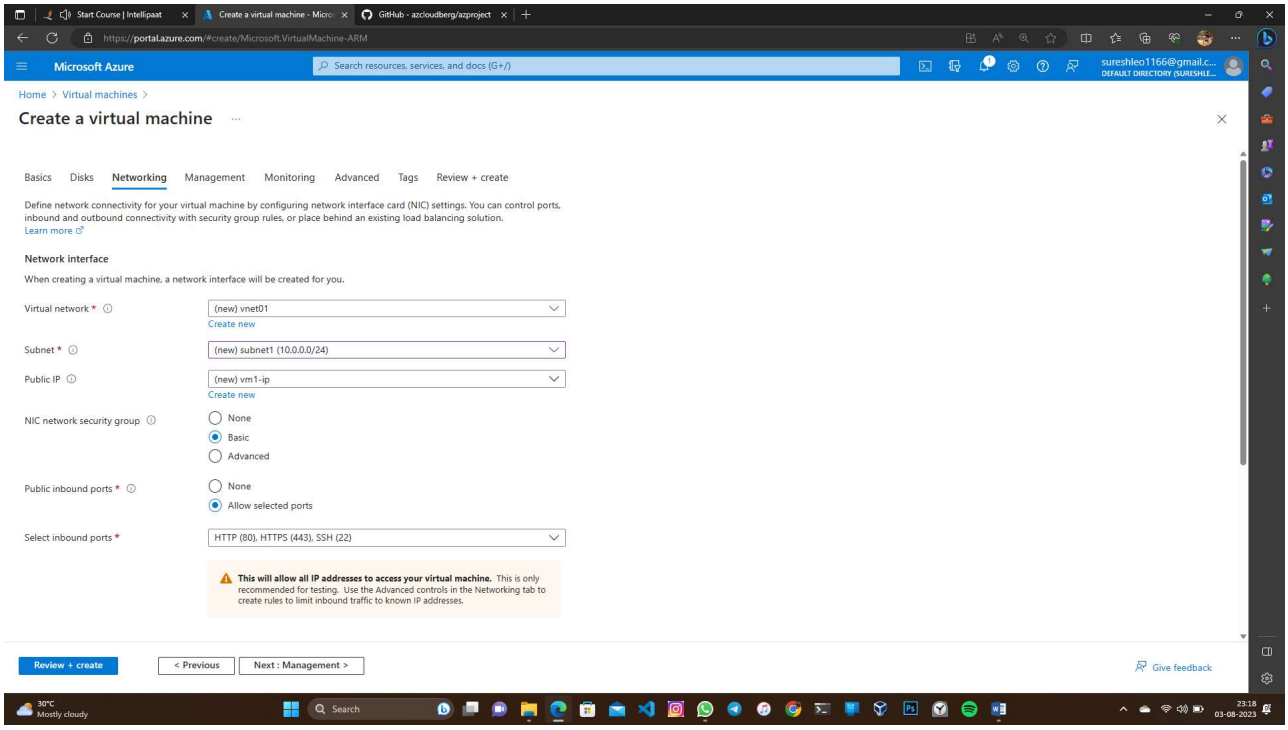
Create virtual network - Microsc
GitHub - azcloudberg/azproject
https://portal.azure.com/#create/Microsoft.VirtualMachine-ARM
Microsoft Azure
Search resources, services, and docs (G+/)
sureshleo1166@gmail.c...
DEFAULT DIRECTORY (SURESHLE...
Home > Virtual machines >
Create a virtual machine
Basics Disks Networking Management Monitoring Advanced Tags Review + create
Define network connectivity for your virtual machine by configuring network interface card (NIC) settings. You can control ports, inbound and outbound connectivity with security group rules, or place behind an existing load balancing solution.
Learn more
Network interface
When creating a virtual machine, a network interface will be created for you.
Virtual network *
(new) vm1-vnet
Create new
Subnet *
(new) default (10.0.0.0/24)
Public IP
(new) vm1-ip
Create new
NIC network security group
None
Basic
Advanced
Public inbound ports *
None
Allow selected ports
Select inbound ports *
HTTP (80), HTTPS (443), SSH (22)
This will allow all IP addresses to access your virtual machine. This is only recommended for testing. Use the Advanced controls in the Networking tab to create rules to limit inbound traffic to known IP addresses.
Review + create
< Previous
Next : Management >
Create virtual network
The Microsoft Azure Virtual Network service enables Azure resources to securely communicate with each other in a virtual network which is a logical isolation of the Azure cloud dedicated to your subscription. You can connect virtual networks to other virtual networks, or your on-premises network. Learn more
Name *
vnet01
Address space
The virtual network's address space, specified as one or more address prefixes in CIDR notation (e.g. 192.168.1.0/24).
Address range *
Addresses
Overlap
10.0.0.0/16
10.0.0.0 - 10.0.255.255 (65536 addresses)
None
(0 Addresses)
None
Subnets
The subnet's address range in CIDR notation. It must be contained by the address space of the virtual network.
Subnet name
Address range
Addresses
subnet1
10.0.0.0/24
10.0.0.0 - 10.0.0.255 (256 addresses)
subnet2
10.0.1.0/24
10.0.1.0 - 10.0.1.255 (256 addresses)
(0 Addresses)
OK
Discard
30°C
Mostly cloudy
Search
23:17
03-08-2023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https://portal.azure.com/#create/Microsoft.VirtualMachine-ARM
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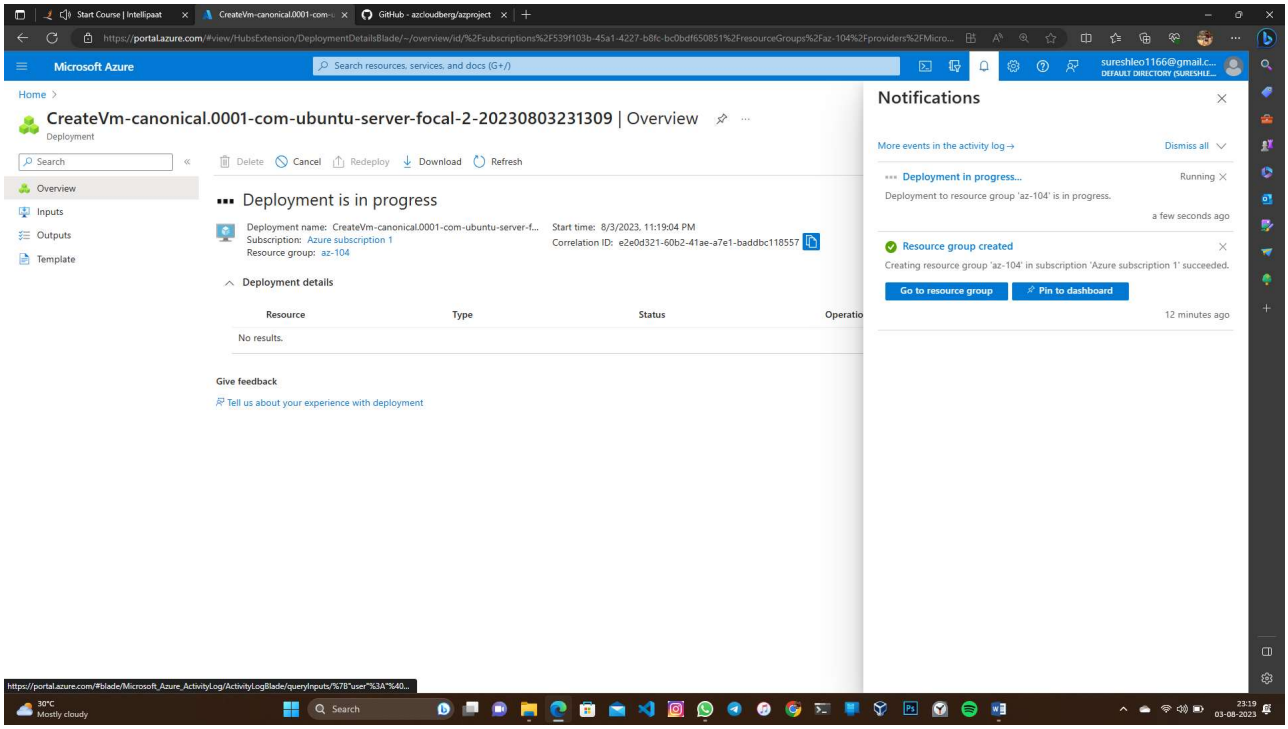
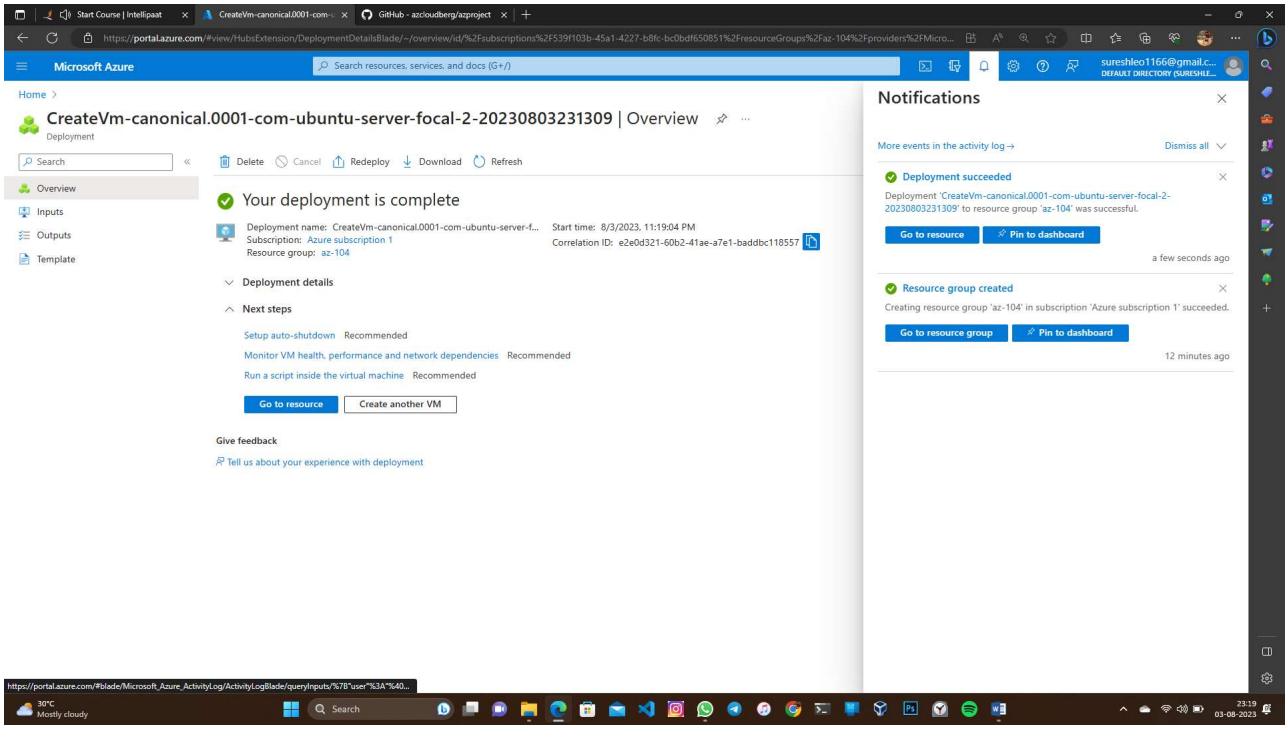
Define network connectivity for your virtual machine by configuring network interface card (NIC) settings. You can control ports, inbound and outbound connectivity with security group rules, or place behind an existing load balancing solution.
Learn more
Network interface
When creating a virtual machine, a network interface will be created for you.
Virtual network *
(new) vnet01
Create new
Subnet *
(new) subnet1 (10.0.0.0/24)
Public IP
(new) vm1-ip
Create new
NIC network security group
None
Basic
Advanced
Public inbound ports *
None
Allow selected ports
Select inbound ports *
HTTP (80), HTTPS (443), SSH (22)
This will allow all IP addresses to access your virtual machine. This is only recommended for testing. Use the Advanced controls in the Networking tab to create rules to limit inbound traffic to known IP addresses.
Review + create
< Previous
Next : Management >
Give feedback
30°C
Mostly cloudy
Search
23:18
03-08-2023


Microsoft Azure
Search resources, services, and docs (G+/)
Home
CreateVm-canonical.0001-com-ubuntu-server-focal-2-20230803231309 | Overview
Deployment
Search
Overview
Inputs
Outputs
Template
Delete
Cancel
Redeploy
Download
Refresh
Deployment is in progress
Deployment name: CreateVm-canonical.0001-com-ubuntu-server-f...
Subscription: Azure subscription 1
Resource group: az-104
Start time: 8/3/2023, 11:19:04 PM
Correlation ID: e2e0d321-60b2-41ae-a7e1-baddbc118557
Deployment details
Resource
Type
Status
No results.
Give feedback
Tell us about your experience with deployment
Notifications
More events in the activity log →
Dismiss all
Deployment in progress...
Running
Deployment to resource group 'az-104' is in progress.
a few seconds ago
Resource group created
Creating resource group 'az-104' in subscription 'Azure subscription 1' succeeded.
Go to resource group
Pin to dashboard
12 minutes ago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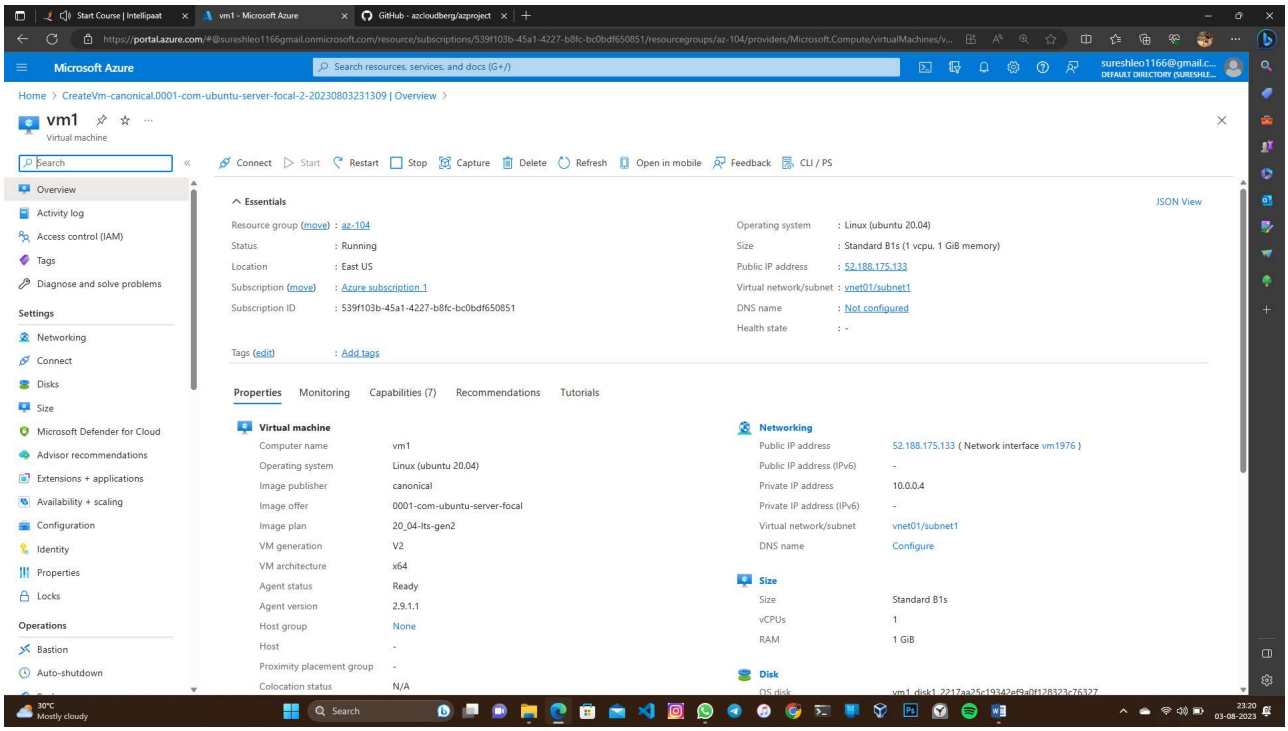
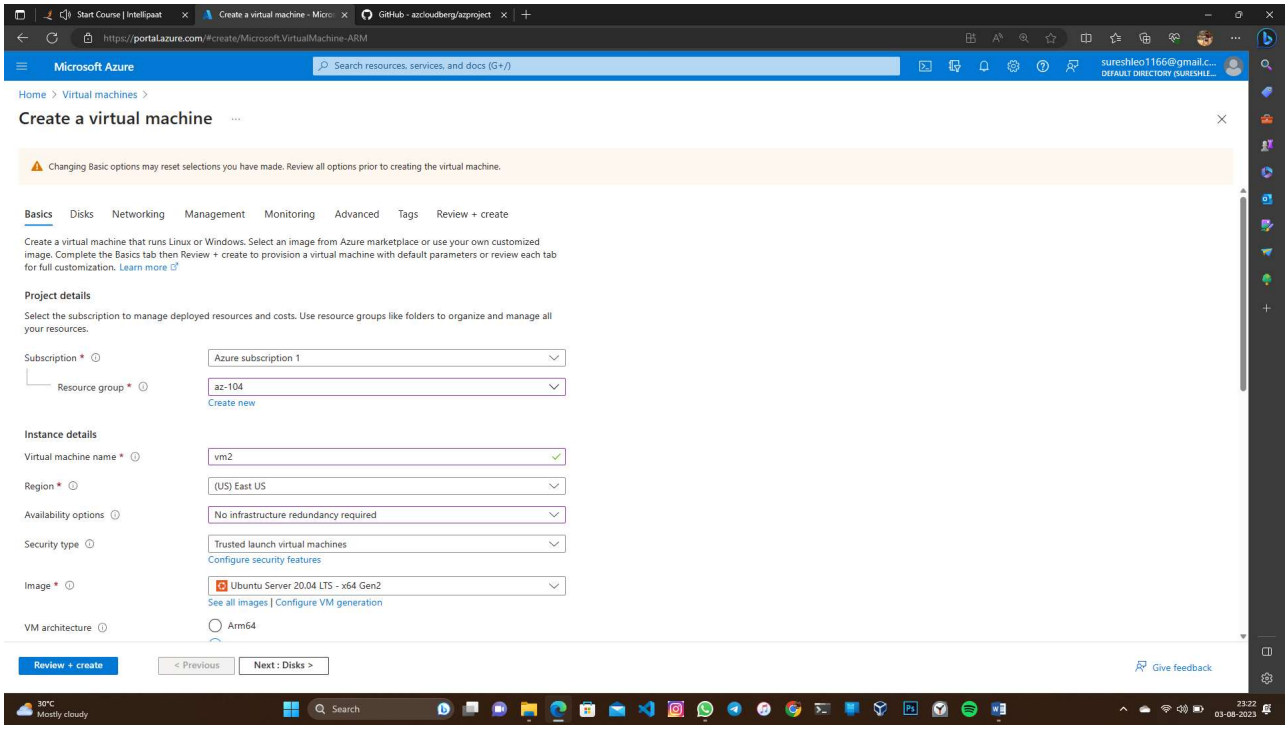
Home
CreateVm-canonical.0001-com-ubuntu-server-focal-2-20230803231309 | Overview
Deployment
Search
Overview
Inputs
Outputs
Template
Delete
Cancel
Redeploy
Download
Refresh
Your deployment is complete
Deployment name: CreateVm-canonical.0001-com-ubuntu-server-f...
Subscription: Azure subscription 1
Resource group: az-104
Start time: 8/3/2023, 11:19:04 PM
Correlation ID: e2e0d321-60b2-41ae-a7e1-baddbc118557
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
Notifications
More events in the activity log →
Dismiss all
Deployment succeeded
Deployment 'CreateVm-canonical.0001-com-ubuntu-server-focal-2-20230803231309' to resource group 'az-104' was successful.
Go to resource
Pin to dashboard
a few seconds ago
Resource group created
Creating resource group 'az-104' in subscription 'Azure subscription 1' succeeded.
Go to resource group
Pin to dashboard
12 minutes ago

VM-01


Microsoft Azure
Search resources, services, and docs (G+/)
Home > CreateVm-canonical.0001-com-ubuntu-server-focal-2-20230803231309 | Overview >
vm1
Virtual machine
Search
Overview
Activity log
Access control (IAM)
Tags
Diagnose and solve problems
Settings
Networking
Connect
Disks
Size
Microsoft Defender for Cloud
Advisor recommendations
Extensions + applications
Availability + scaling
Configuration
Identity
Properties
Locks
Operations
Bastion
Auto-shutdown
Connect
Start
Restart
Stop
Capture
Delete
Refresh
Open in mobile
Feedback
CLI / PS
Essentials
JSON View
Resource group (move) : az-104
Status : Running
Location : East US
Subscription (move) : Azure subscription 1
Subscription ID : 539f103b-45a1-4227-b8fc-bc0bdf650851
Tags (edit) : Add tags
Operating system : Linux (ubuntu 20.04)
Size : Standard B1s (1 vcpu, 1 GiB memory)
Public IP address : 52.188.175.133
Virtual network/subnet : vnet01/subnet1
DNS name : Not configured
Health state : -
Properties
Monitoring
Capabilities (7)
Recommendations
Tutorials
Virtual machine
Computer name vm1
Operating system Linux (ubuntu 20.04)
Image publisher canonical
Image offer 0001-com-ubuntu-server-focal
Image plan 20_04-lts-gen2
VM generation V2
VM architecture x64
Agent status Ready
Agent version 2.9.1.1
Host group None
Host -
Proximity placement group -
Colocation status N/A
Networking
Public IP address 52.188.175.133 (Network interface vm1976)
Public IP address (IPv6) -
Private IP address 10.0.0.4
Private IP address (IPv6) -
Virtual network/subnet vnet01/subnet1
DNS name Configure
Size
Size Standard B1s
vCPUs 1
RAM 1 GiB
Disk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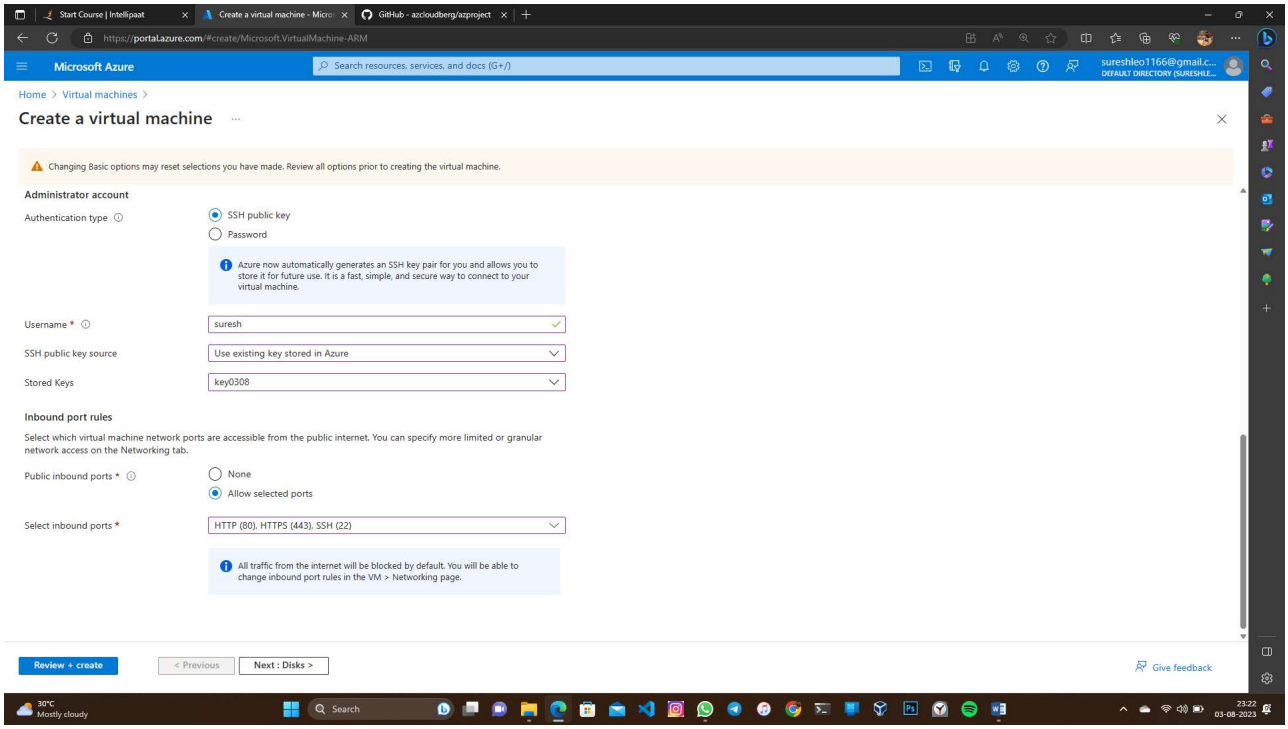
Home > Virtual machines >
Create a virtual machine
Changing Basic options may reset selections you have made. Review all options prior to creating the virtual machine.
Basics
Disks
Networking
Management
Monitoring
Advanced
Tags
Review + create
Create a virtual machine that runs Linux or Windows. Select an image from Azure marketplace or use your own customized image. Complete the Basics tab then Review + create to provision a virtual machine with default parameters or review each tab for full customization. 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 subscription 1
Resource group * az-104
Create new
Instance details
Virtual machine name * vm2
Region * (US) East US
Availability options No infrastructure redundancy required
Security type Trusted launch virtual machines
Configure security features
Image * Ubuntu Server 20.04 LTS - x64 Gen2
See all images | Configure VM generation
VM architecture Arm64
Review + create
< Previous
Next : Disks >
Give feedback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GitHub - azcloudberg/azproject
https://portal.azure.com/#create/Microsoft.VirtualMachine-ARM
Microsoft Azure
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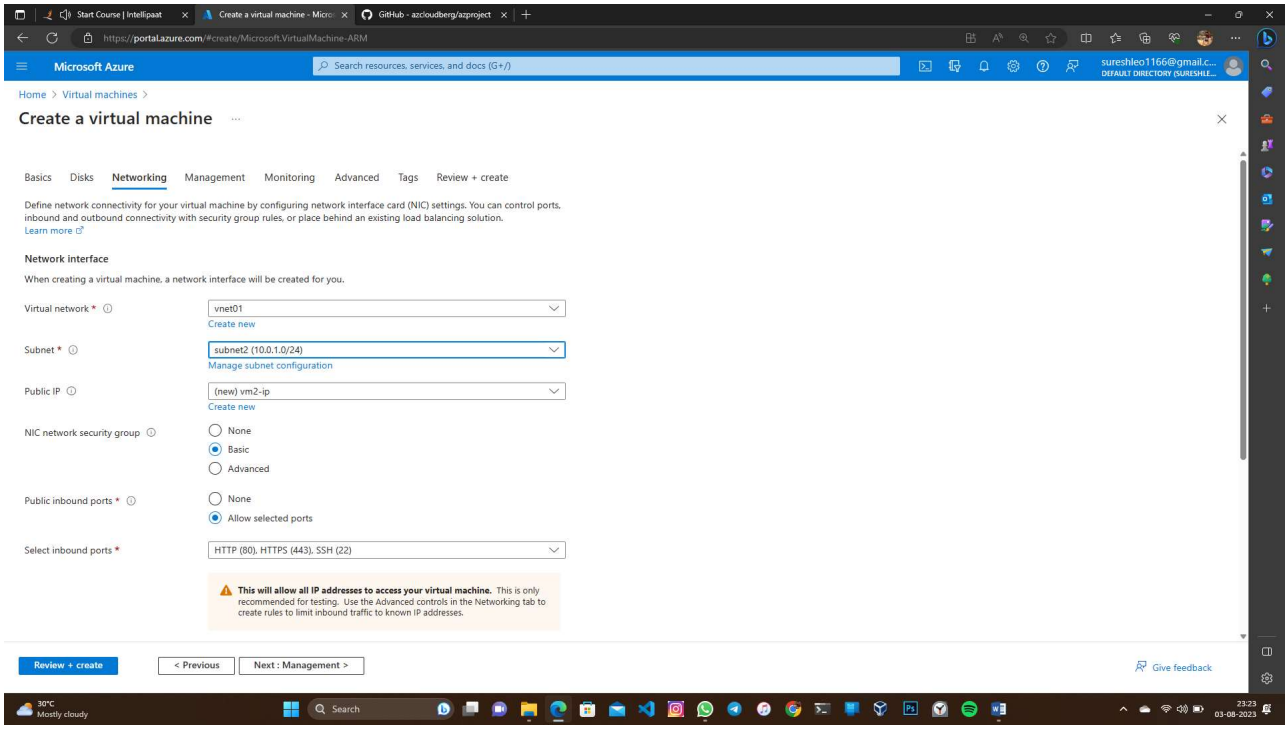
DEFAULT DIRECTORY (SURESHLE...
Home > Virtual machines >
Create a virtual machine
Changing Basic options may reset selections you have made. Review all options prior to creating the virtual machine.
Administrator account
Authentication type
SSH public key
Password
Azure now automatically generates an SSH key pair for you and allows you to store it for future use. It is a fast, simple, and secure way to connect to your virtual machine.
Username *
suresh
SSH public key source
Use existing key stored in Azure
Stored Keys
key0308
Inbound port rules
Select which virtual machine network ports are accessible from the public internet. You can specify more limited or granular network access on the Networking tab.
Public inbound ports *
None
Allow selected ports
Select inbound ports *
HTTP (80), HTTPS (443), SSH (22)
All traffic from the internet will be blocked by default. You will be able to change inbound port rules in the VM > Networking page.
Review + create
< Previous
Next : Disks >
Give feedback
30°C
Mostly cloudy
Search
23:22
03-08-2023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https://portal.azure.com/#create/Microsoft.VirtualMachine-ARM
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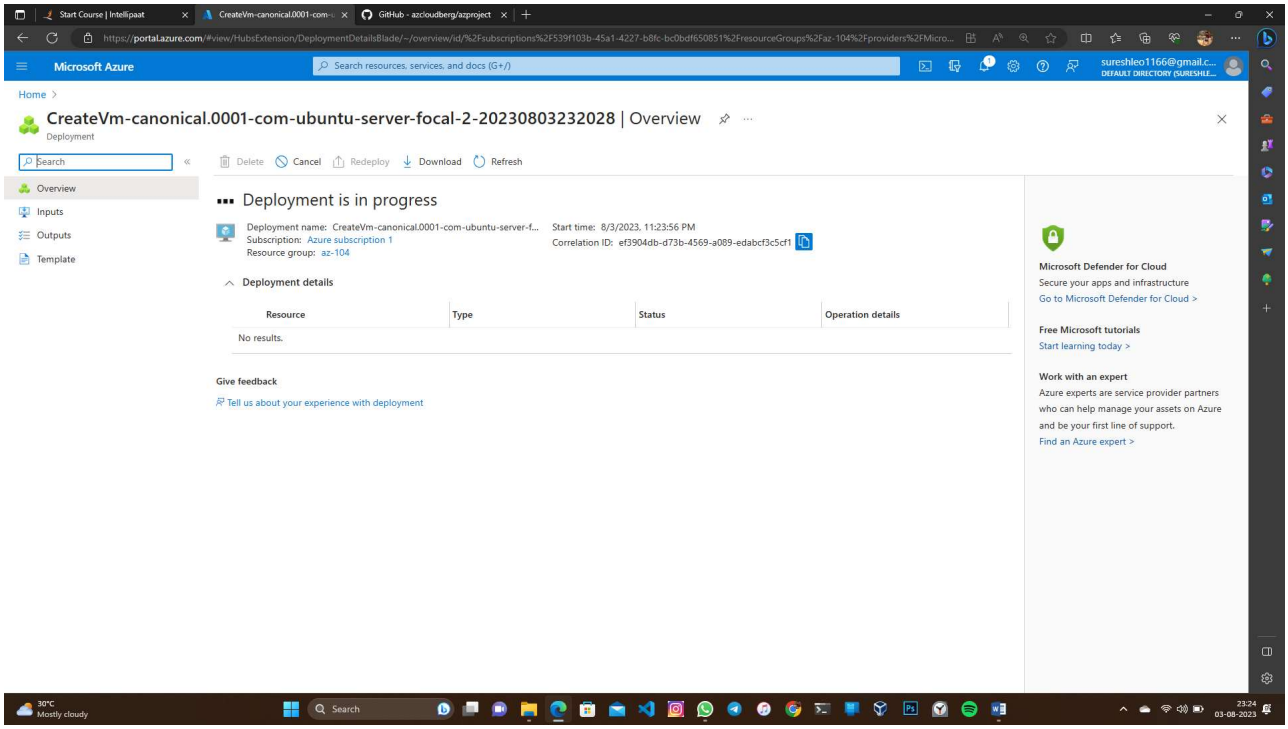
DEFAULT DIRECTORY (SURESHLE...
Home > Virtual machines >
Create a virtual machine
Basics Disks Networking Management Monitoring Advanced Tags Review + create
Define network connectivity for your virtual machine by configuring network interface card (NIC) settings. You can control ports, inbound and outbound connectivity with security group rules, or place behind an existing load balancing solution.
Learn more
Network interface
When creating a virtual machine, a network interface will be created for you.
Virtual network *
vnet01
Create new
Subnet *
subnet2 (10.0.1.0/24)
Manage subnet configuration
Public IP
(new) vm2-ip
Create new
NIC network security group
None
Basic
Advanced
Public inbound ports *
None
Allow selected ports
Select inbound ports *
HTTP (80), HTTPS (443), SSH (22)
This will allow all IP addresses to access your virtual machine. This is only recommended for testing. Use the Advanced controls in the Networking tab to create rules to limit inbound traffic to known IP addresses.
Review + create
< Previous
Next : Management >
Give feedback
30°C
Mostly cloudy
Search
23:23
03-08-2023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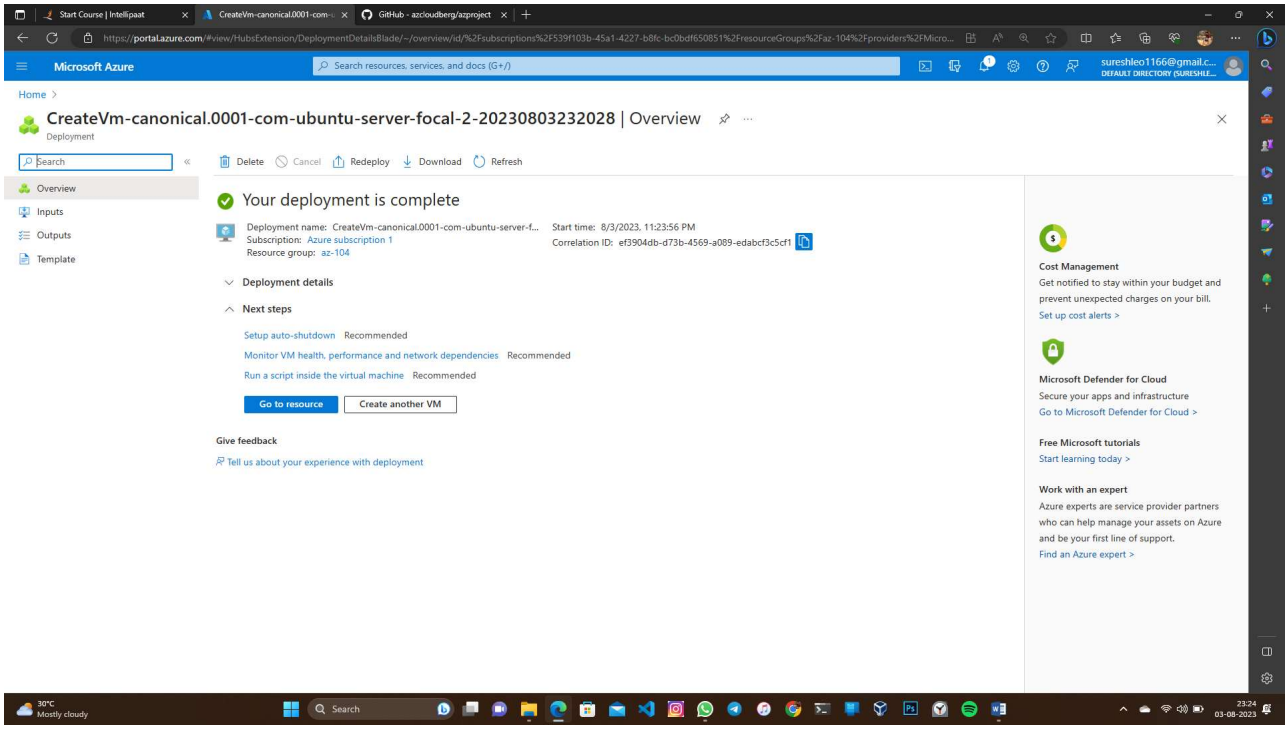
CreateVm-canonical.0001-com-u
GitHub - azcloudberg/azproject
Microsoft Azure
Search resources, services, and docs (G+/)
sureshleo1166@gmail.c...
DEFAULT DIRECTORY (SURESHLE...
Home
CreateVm-canonical.0001-com-ubuntu-server-focal-2-20230803232028 | Overview
Deployment
Search
Overview
Inputs
Outputs
Template
Delete
Cancel
Redeploy
Download
Refresh
Deployment is in progress
Deployment name: CreateVm-canonical.0001-com-ubuntu-server-f...
Subscription: Azure subscription 1
Resource group: az-104
Start time: 8/3/2023, 11:23:56 PM
Correlation ID: ef3904db-d73b-4569-a089-edabcf3c5cf1
Deployment details
Resource
Type
Status
Operation details
No results.
Give feedback
Tell us about your experience with deployment
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 >
30°C
Mostly cloudy
Search
23:24
03-08-2023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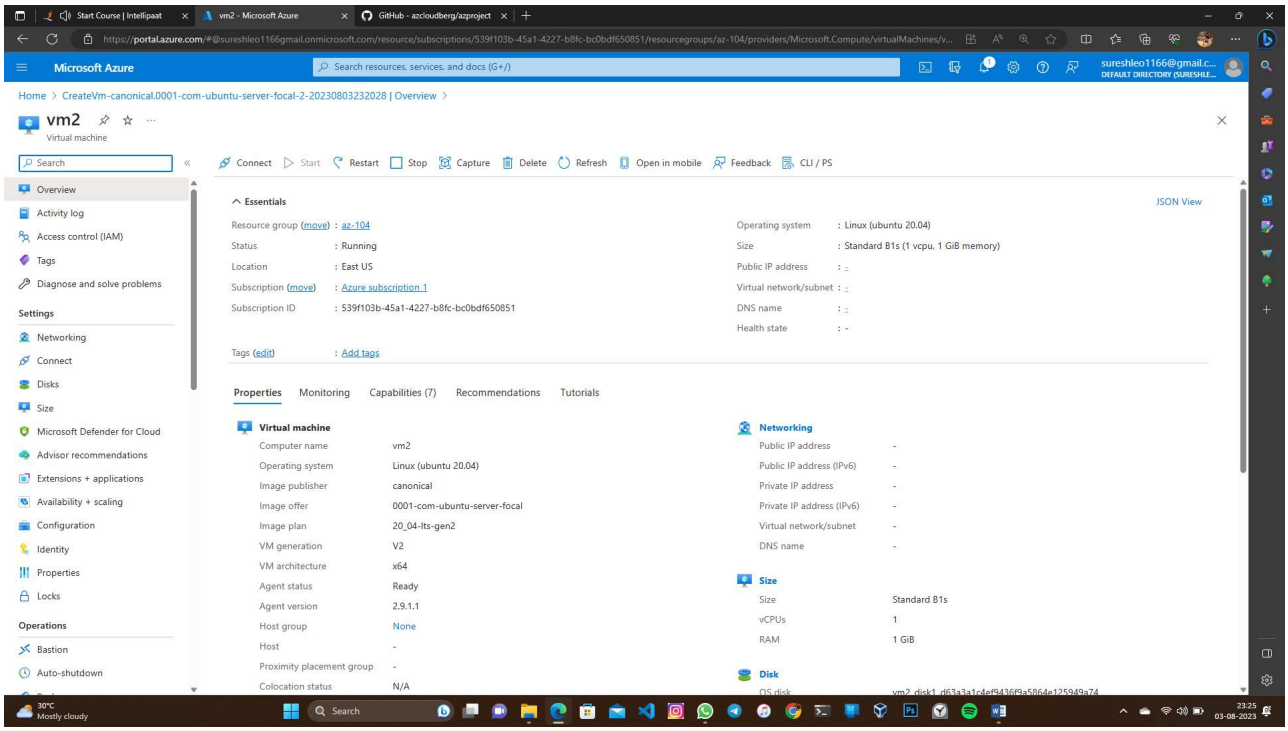
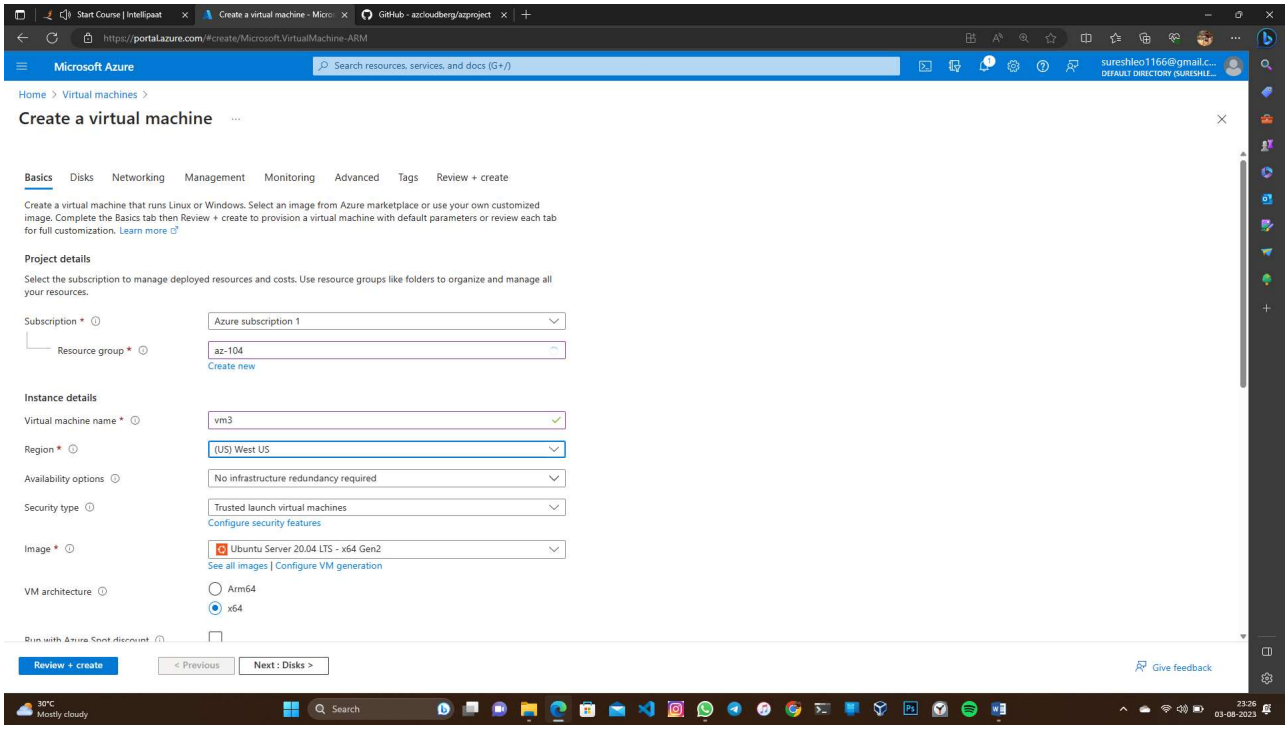
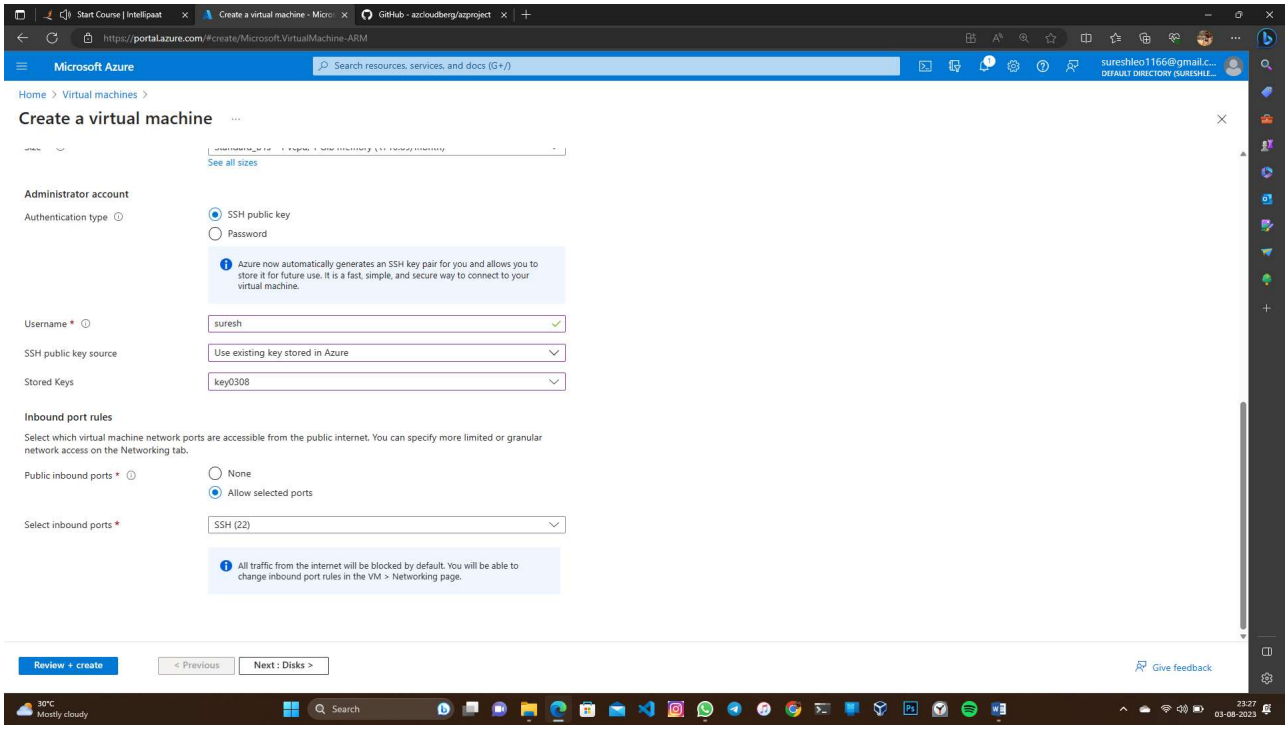
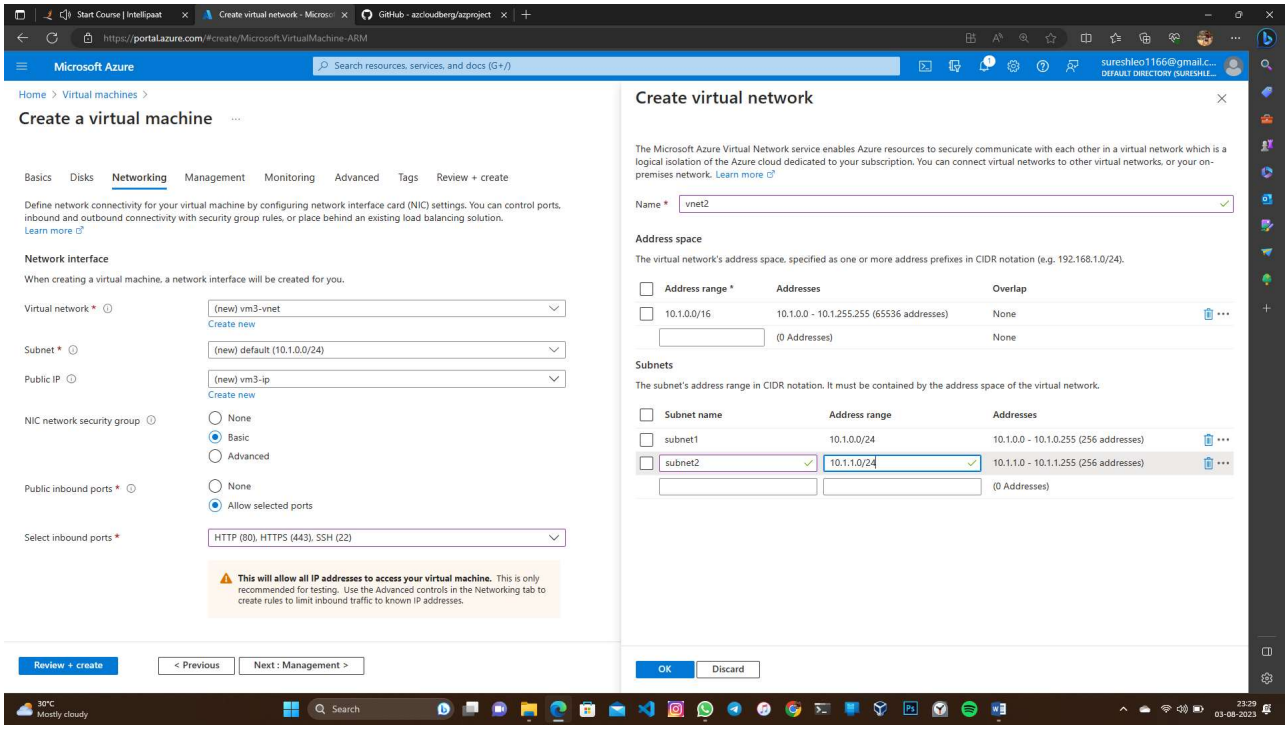
CreateVm-canonical.0001-com-u
GitHub - azcloudberg/azproject
Microsoft Azure
Search resources, services, and docs (G+/)
sureshleo1166@gmail.c...
DEFAULT DIRECTORY (SURESHLE...
Home
CreateVm-canonical.0001-com-ubuntu-server-focal-2-20230803232028 | Overview
Deployment
Search
Overview
Inputs
Outputs
Template
Delete
Cancel
Redeploy
Download
Refresh
Your deployment is complete
Deployment name: CreateVm-canonical.0001-com-ubuntu-server-f...
Subscription: Azure subscription 1
Resource group: az-104
Start time: 8/3/2023, 11:23:56 PM
Correlation ID: ef3904db-d73b-4569-a089-edabcf3c5cf1
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
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 >
30°C
Mostly cloudy
Search
23:24
03-08-2023

VM-02


Microsoft Azure
Home > CreateVm-canonical.0001-com-ubuntu-server-focal-2-20230803232028 | Overview >
vm2
Virtual machine
Connect
Start
Restart
Stop
Capture
Delete
Refresh
Open in mobile
Feedback
CLI / PS
Essentials
JSON View
Resource group (move) : az-104
Status : Running
Location : East US
Subscription (move) : Azure subscription 1
Subscription ID : 539f103b-45a1-4227-b8fc-bc0bdf650851
Operating system : Linux (ubuntu 20.04)
Size : Standard B1s (1 vcpu, 1 GiB memory)
Public IP address : -
Virtual network/subnet : -
DNS name : -
Health state : -
Tags (edit) : Add tags
Properties
Monitoring
Capabilities (7)
Recommendations
Tutorials
Virtual machine
Computer name vm2
Operating system Linux (ubuntu 20.04)
Image publisher canonical
Image offer 0001-com-ubuntu-server-focal
Image plan 20_04-lts-gen2
VM generation V2
VM architecture x64
Agent status Ready
Agent version 2.9.1.1
Host group None
Host -
Proximity placement group -
Colocation status N/A
Networking
Public IP address -
Public IP address (IPv6) -
Private IP address -
Private IP address (IPv6) -
Virtual network/subnet -
DNS name -
Size
Size Standard B1s
vCPUs 1
RAM 1 GiB
Disk


Microsoft Azure
Home > Virtual machines >
Create a virtual machine
Basics
Disks
Networking
Management
Monitoring
Advanced
Tags
Review + create
Create a virtual machine that runs Linux or Windows. Select an image from Azure marketplace or use your own customized image. Complete the Basics tab then Review + create to provision a virtual machine with default parameters or review each tab for full customization. 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 subscription 1
Resource group * az-104
Create new
Instance details
Virtual machine name * vm3
Region * (US) West US
Availability options No infrastructure redundancy required
Security type Trusted launch virtual machines
Configure security features
Image * Ubuntu Server 20.04 LTS - x64 Gen2
See all images | Configure VM generation
VM architecture Arm64
x64
Review + create
< Previous
Next : Disks >
Give feedback


Start Course | Intellipaat
Create a virtual machine - Micro
GitHub - azcloudberg/azproject
https://portal.azure.com/#create/Microsoft.VirtualMachine-ARM
Microsoft Azure
Search resources, services, and docs (G+/)
sureshleo1166@gmail.c...
DEFAULT DIRECTORY (SURESHLE...
Home > Virtual machines >
Create a virtual machine
See all sizes
Administrator account
Authentication type
SSH public key
Password
Azure now automatically generates an SSH key pair for you and allows you to store it for future use. It is a fast, simple, and secure way to connect to your virtual machine.
Username *
suresh
SSH public key source
Use existing key stored in Azure
Stored Keys
key0308
Inbound port rules
Select which virtual machine network ports are accessible from the public internet. You can specify more limited or granular network access on the Networking tab.
Public inbound ports *
None
Allow selected ports
Select inbound ports *
SSH (22)
All traffic from the internet will be blocked by default. You will be able to change inbound port rules in the VM > Networking page.
Review + create
< Previous
Next : Disks >
Give feedback
30°C
Mostly cloudy
Search
23:27
03-08-2023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Create virtual network - Microsc
GitHub - azcloudberg/azproject
https://portal.azure.com/#create/Microsoft.VirtualMachine-ARM
Microsoft Azure
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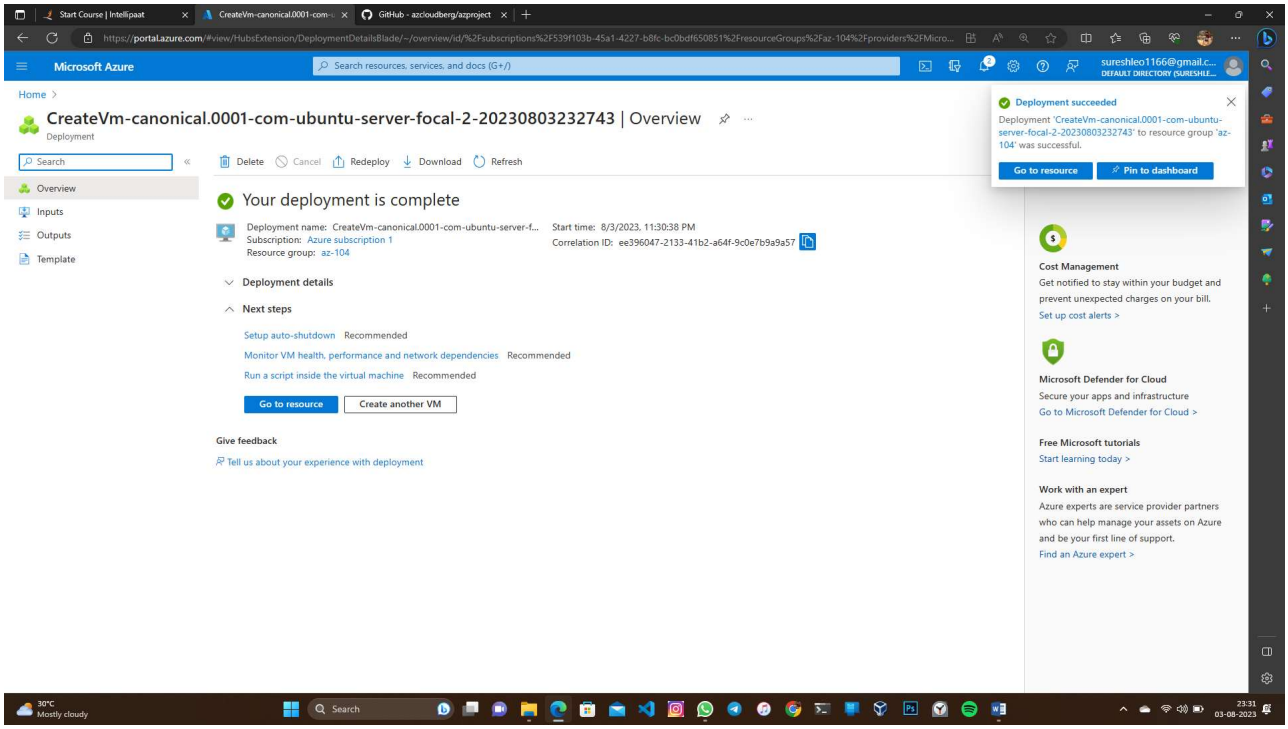
DEFAULT DIRECTORY (SURESHLE...
Home > Virtual machines >
Create a virtual machine
Basics Disks Networking Management Monitoring Advanced Tags Review + create
Define network connectivity for your virtual machine by configuring network interface card (NIC) settings. You can control ports, inbound and outbound connectivity with security group rules, or place behind an existing load balancing solution.
Learn more
Network interface
When creating a virtual machine, a network interface will be created for you.
Virtual network *
(new) vm3-vnet
Create new
Subnet *
(new) default (10.1.0.0/24)
Public IP
(new) vm3-ip
Create new
NIC network security group
None
Basic
Advanced
Public inbound ports *
None
Allow selected ports
Select inbound ports *
HTTP (80), HTTPS (443), SSH (22)
This will allow all IP addresses to access your virtual machine. This is only recommended for testing. Use the Advanced controls in the Networking tab to create rules to limit inbound traffic to known IP addresses.
Review + create
< Previous
Next : Management >
Create virtual network
The Microsoft Azure Virtual Network service enables Azure resources to securely communicate with each other in a virtual network which is a logical isolation of the Azure cloud dedicated to your subscription. You can connect virtual networks to other virtual networks, or your on-premises network. Learn more
Name *
vnet2
Address space
The virtual network's address space, specified as one or more address prefixes in CIDR notation (e.g. 192.168.1.0/24).
Address range *
Addresses
Overlap
10.1.0.0/16
10.1.0.0 - 10.1.255.255 (65536 addresses)
None
(0 Addresses)
None
Subnets
The subnet's address range in CIDR notation. It must be contained by the address space of the virtual network.
Subnet name
Address range
Addresses
subnet1
10.1.0.0/24
10.1.0.0 - 10.1.0.255 (256 addresses)
subnet2
10.1.1.0/24
10.1.1.0 - 10.1.1.255 (256 addresses)
(0 Addresses)
OK
Discard
30°C
Mostly cloudy
Search
23:29
03-08-2023


Microsoft Azure
Search resources, services, and docs (G+/)
Home
CreateVm-canonical.0001-com-ubuntu-server-focal-2-20230803232743 | Overview
Deployment
Search
Overview
Inputs
Outputs
Template
Delete
Cancel
Redeploy
Download
Refresh
Your deployment is complete
Deployment name: CreateVm-canonical.0001-com-ubuntu-server-f...
Subscription: Azure subscription 1
Resource group: az-104
Start time: 8/3/2023, 11:30:38 PM
Correlation ID: ee396047-2133-41b2-a64f-9c0e7b9a9a57
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
Deployment succeeded
Deployment 'CreateVm-canonical.0001-com-ubuntu-server-focal-2-20230803232743' to resource group 'az-104' was successful.
Go to resource
Pin to dashboard
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.
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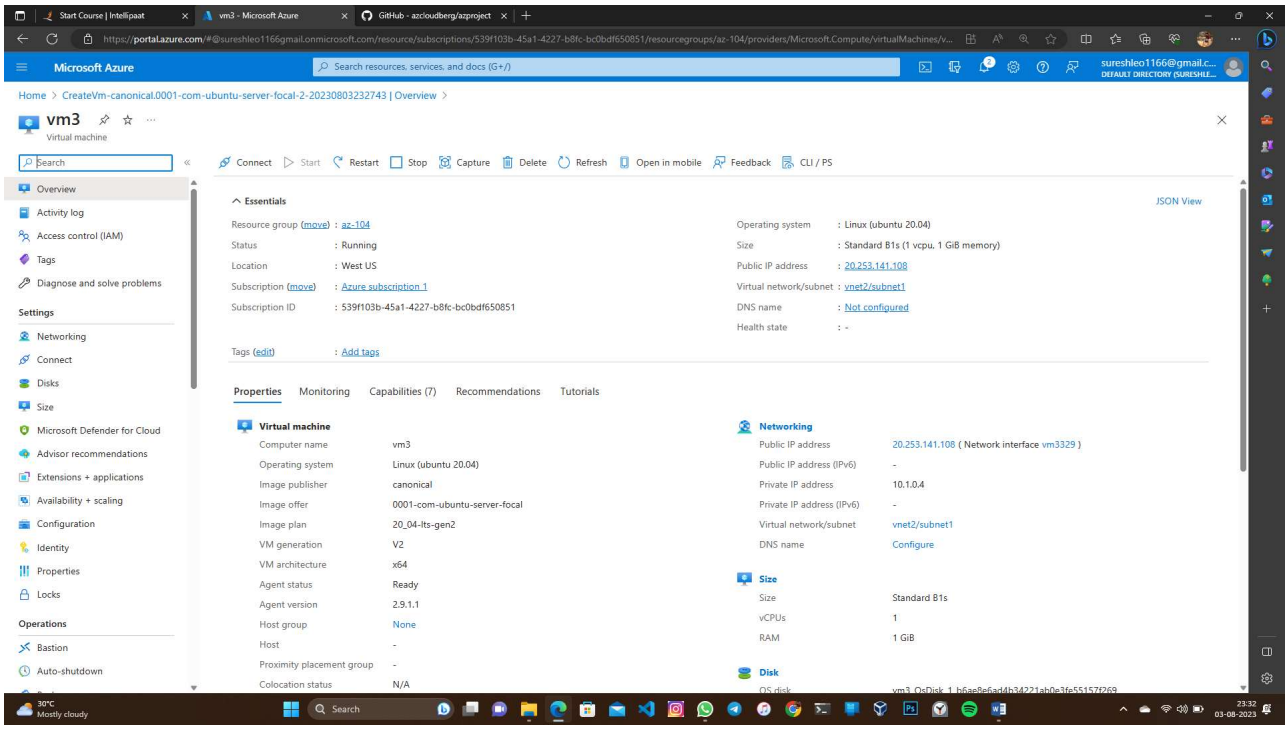
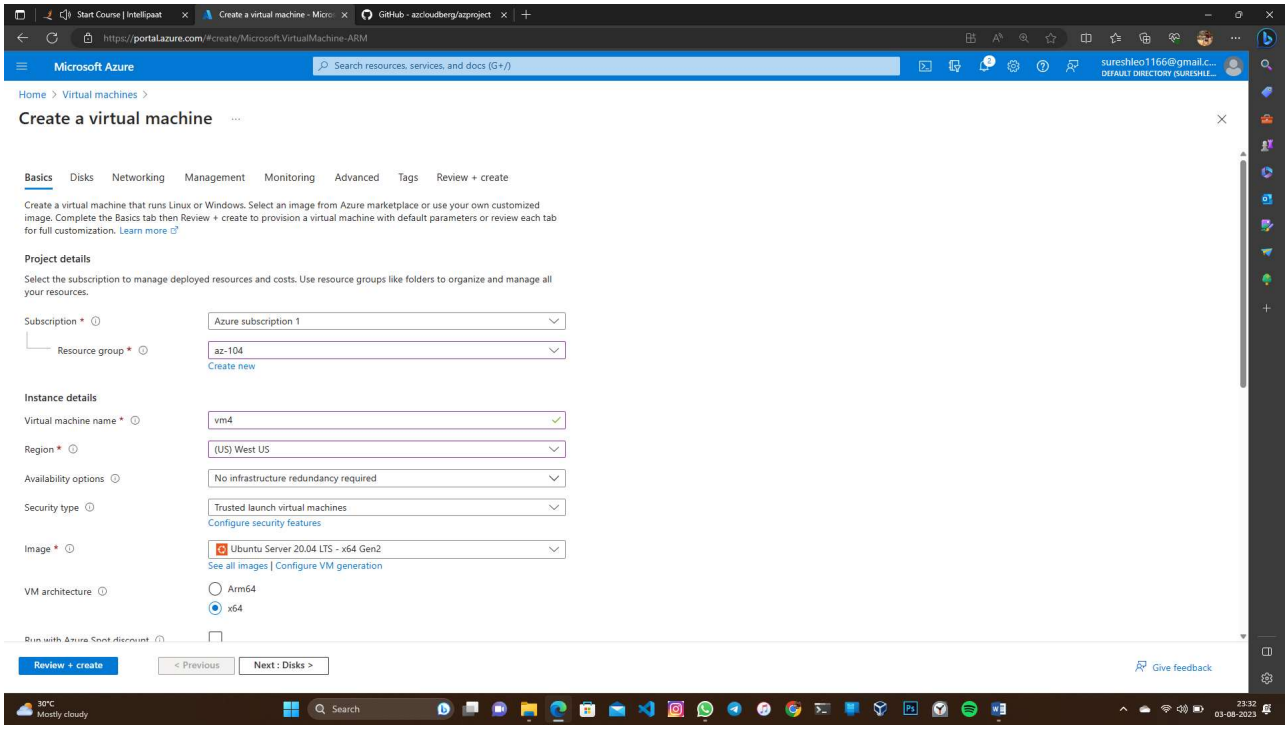
VM-03


Microsoft Azure
Search resources, services, and docs (G+/)
Home > CreateVm-canonical.0001-com-ubuntu-server-focal-2-20230803232743 | Overview >
vm3
Virtual machine
Search
Overview
Activity log
Access control (IAM)
Tags
Diagnose and solve problems
Settings
Networking
Connect
Disks
Size
Microsoft Defender for Cloud
Advisor recommendations
Extensions + applications
Availability + scaling
Configuration
Identity
Properties
Locks
Operations
Bastion
Auto-shutdown
Connect
Start
Restart
Stop
Capture
Delete
Refresh
Open in mobile
Feedback
CLI / PS
Essentials
JSON View
Resource group (move) : az-104
Status : Running
Location : West US
Subscription (move) : Azure subscription 1
Subscription ID : 539f103b-45a1-4227-b8fc-bc0bdf650851
Tags (edit) : Add tags
Operating system : Linux (ubuntu 20.04)
Size : Standard B1s (1 vcpu, 1 GiB memory)
Public IP address : 20.253.141.108
Virtual network/subnet : vnet2/subnet1
DNS name : Not configured
Health state : -
Properties
Monitoring
Capabilities (7)
Recommendations
Tutorials
Virtual machine
Computer name vm3
Operating system Linux (ubuntu 20.04)
Image publisher canonical
Image offer 0001-com-ubuntu-server-focal
Image plan 20_04-lts-gen2
VM generation V2
VM architecture x64
Agent status Ready
Agent version 2.9.1.1
Host group None
Host -
Proximity placement group -
Colocation status N/A
Networking
Public IP address 20.253.141.108 (Network interface vm3329)
Public IP address (IPv6) -
Private IP address 10.1.0.4
Private IP address (IPv6) -
Virtual network/subnet vnet2/subnet1
DNS name Configure
Size
Size Standard B1s
vCPUs 1
RAM 1 GiB
Disk
Mostly cloudy
Search
03-08-2023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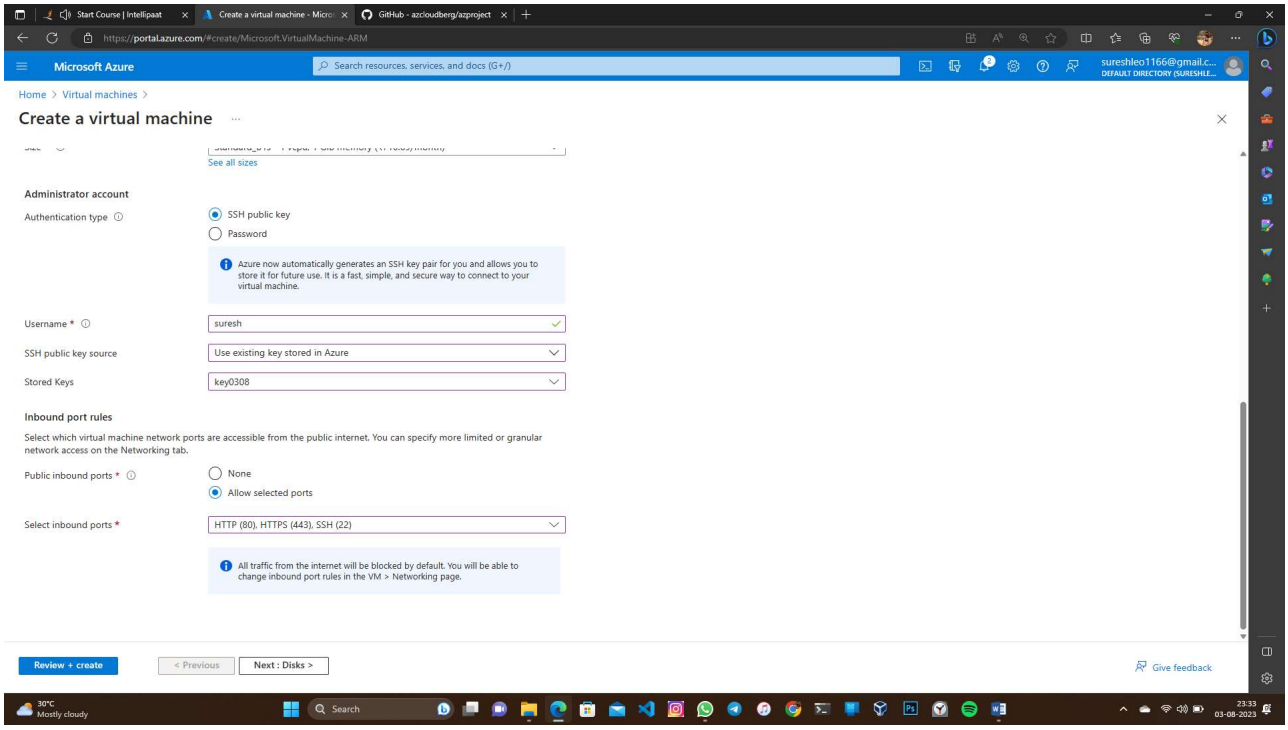
Home > Virtual machines >
Create a virtual machine
Basics Disks Networking Management Monitoring Advanced Tags Review + create
Create a virtual machine that runs Linux or Windows. Select an image from Azure marketplace or use your own customized image. Complete the Basics tab then Review + create to provision a virtual machine with default parameters or review each tab for full customization. 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 subscription 1
Resource group * az-104
Create new
Instance details
Virtual machine name * vm4
Region * (US) West US
Availability options No infrastructure redundancy required
Security type Trusted launch virtual machines
Configure security features
Image * Ubuntu Server 20.04 LTS - x64 Gen2
See all images | Configure VM generation
VM architecture Arm64
x64
Review + create
< Previous
Next : Disks >
Give feedback
30°C
Mostly cloudy
Search
23:32
03-08-2023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https://portal.azure.com/#create/Microsoft.VirtualMachine-ARM
Microsoft Azure
Search resources, services, and docs (G+/)
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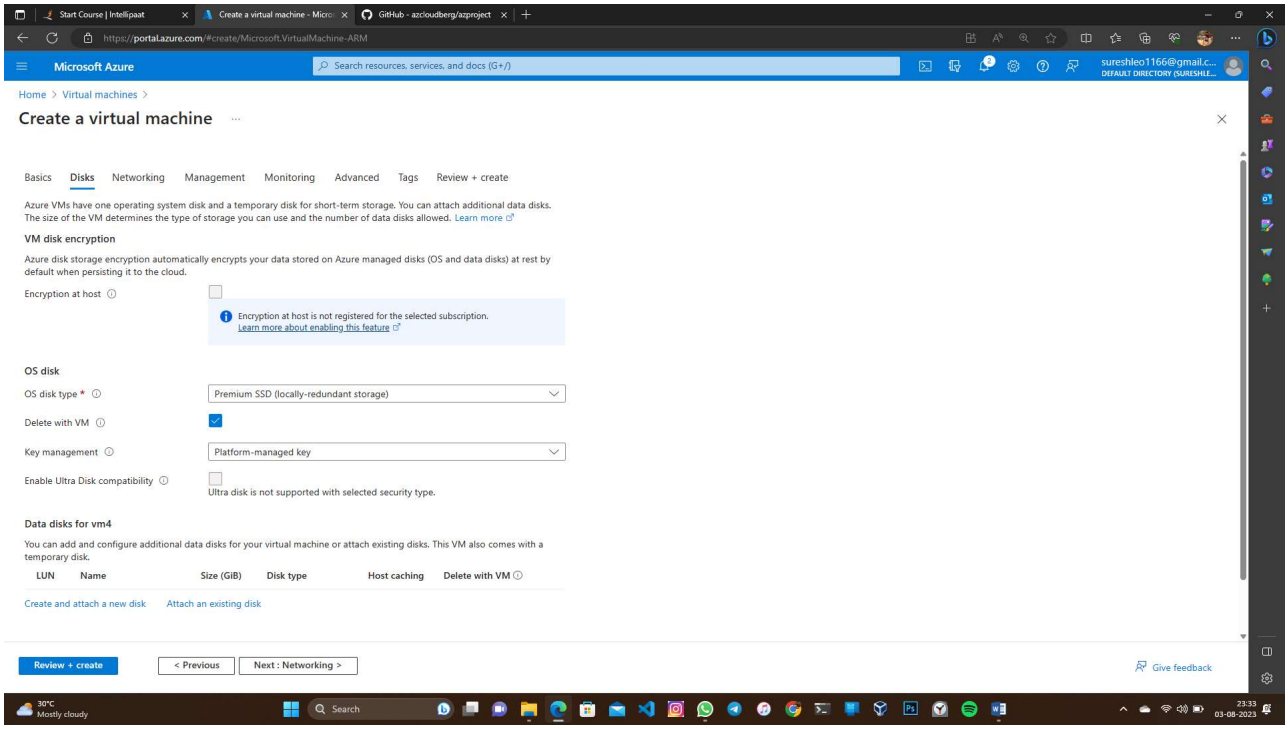
DEFAULT DIRECTORY (SURESHLE...
Home > Virtual machines >
Create a virtual machine
See all sizes
Administrator account
Authentication type SSH public key
Password
Azure now automatically generates an SSH key pair for you and allows you to store it for future use. It is a fast, simple, and secure way to connect to your virtual machine.
Username * suresh
SSH public key source Use existing key stored in Azure
Stored Keys key0308
Inbound port rules
Select which virtual machine network ports are accessible from the public internet. You can specify more limited or granular network access on the Networking tab.
Public inbound ports * None
Allow selected ports
Select inbound ports * HTTP (80), HTTPS (443), SSH (22)
All traffic from the internet will be blocked by default. You will be able to change inbound port rules in the VM > Networking page.
Review + create
< Previous
Next : Disks >
Give feedback
30°C
Mostly cloudy
Search
23:33
03-08-2023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GitHub - azcloudberg/azproject
https://portal.azure.com/#create/Microsoft.VirtualMachine-ARM
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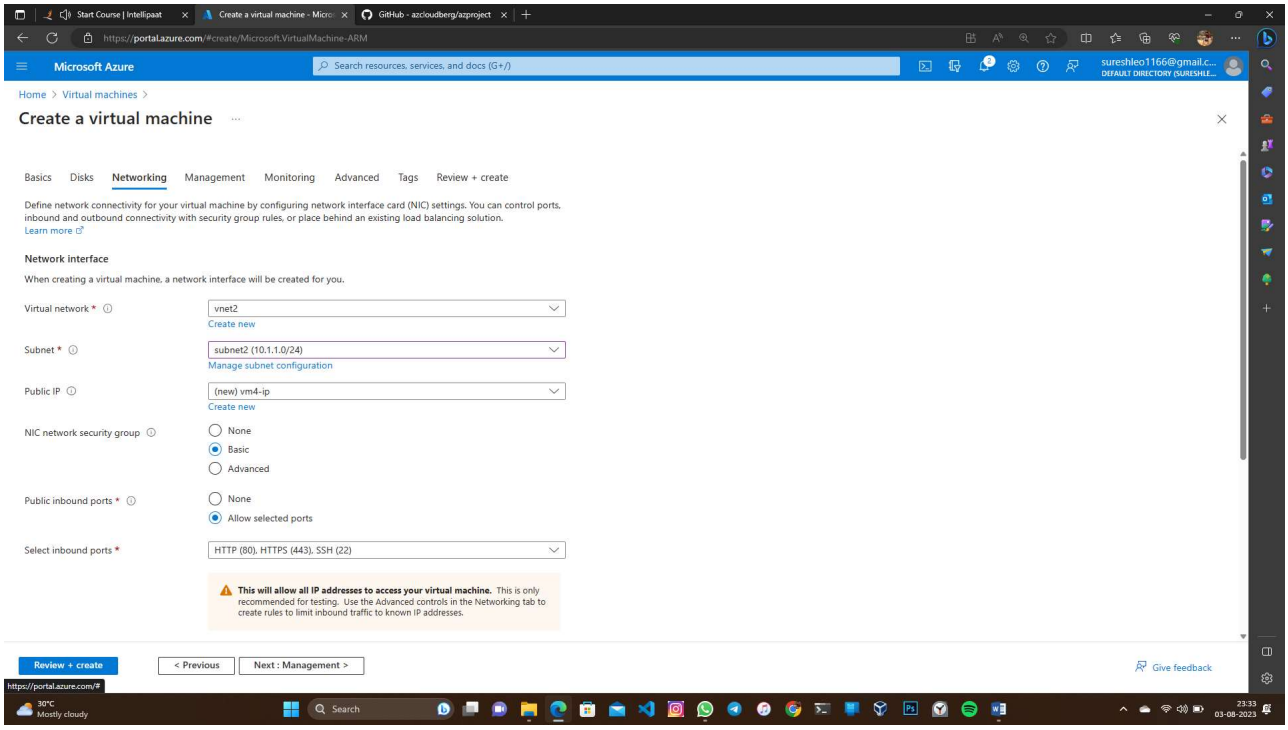
DEFAULT DIRECTORY (SURESHLE...
Home > Virtual machines >
Create a virtual machine
Basics Disks Networking Management Monitoring Advanced Tags Review + create
Azure VMs have one operating system disk and a temporary disk for short-term storage. You can attach additional data disks. The size of the VM determines the type of storage you can use and the number of data disks allowed. Learn more
VM disk encryption
Azure disk storage encryption automatically encrypts your data stored on Azure managed disks (OS and data disks) at rest by default when persisting it to the cloud.
Encryption at host
Encryption at host is not registered for the selected subscription.
Learn more about enabling this feature
OS disk
OS disk type *
Premium SSD (locally-redundant storage)
Delete with VM
Key management
Platform-managed key
Enable Ultra Disk compatibility
Ultra disk is not supported with selected security type.
Data disks for vm4
You can add and configure additional data disks for your virtual machine or attach existing disks. This VM also comes with a temporary disk.
LUN Name Size (GiB) Disk type Host caching Delete with VM
Create and attach a new disk
Attach an existing disk
Review + create
< Previous
Next : Networking >
Give feedback
30°C
Mostly cloudy
Search
23:33
03-08-2023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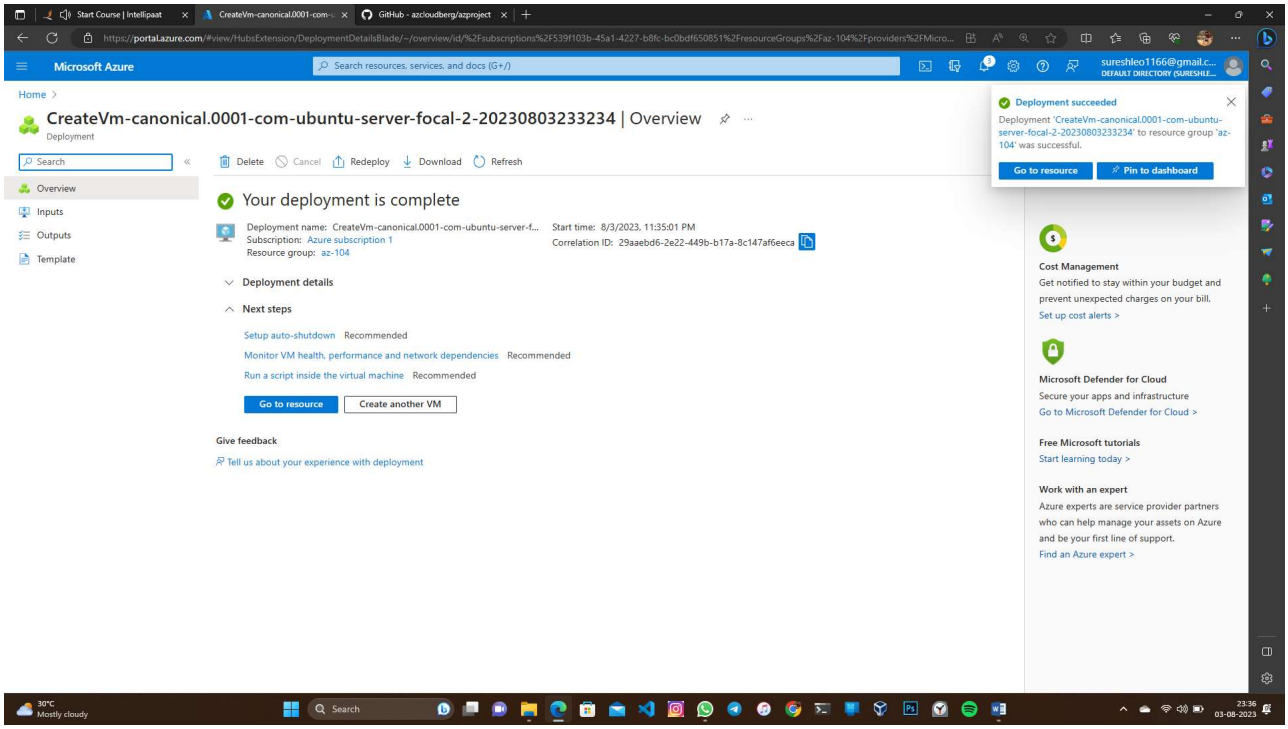
DEFAULT DIRECTORY (SURESHLE...
Home > Virtual machines >
Create a virtual machine
Basics Disks Networking Management Monitoring Advanced Tags Review + create
Define network connectivity for your virtual machine by configuring network interface card (NIC) settings. You can control ports, inbound and outbound connectivity with security group rules, or place behind an existing load balancing solution.
Learn more
Network interface
When creating a virtual machine, a network interface will be created for you.
Virtual network *
vnet2
Create new
Subnet *
subnet2 (10.1.1.0/24)
Manage subnet configuration
Public IP
(new) vm4-ip
Create new
NIC network security group
None
Basic
Advanced
Public inbound ports *
None
Allow selected ports
Select inbound ports *
HTTP (80), HTTPS (443), SSH (22)
This will allow all IP addresses to access your virtual machine. This is only recommended for testing. Use the Advanced controls in the Networking tab to create rules to limit inbound traffic to known IP addresses.
Review + create
< Previous
Next : Management >
Give feedback
https://portal.azure.com/#
30°C
Mostly cloudy
Search
23:33
03-08-2023


Microsoft Azure
Search resources, services, and docs (G+/)
Home
CreateVm-canonical.0001-com-ubuntu-server-focal-2-20230803233234 | Overview
Deployment
Search
Overview
Inputs
Outputs
Template
Delete
Cancel
Redeploy
Download
Refresh
Your deployment is complete
Deployment name: CreateVm-canonical.0001-com-ubuntu-server-f...
Subscription: Azure subscription 1
Resource group: az-104
Start time: 8/3/2023, 11:35:01 PM
Correlation ID: 29aaebd6-2e22-449b-b17a-8c147af6eeca
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
Deployment succeeded
Deployment 'CreateVm-canonical.0001-com-ubuntu-server-focal-2-20230803233234' to resource group 'az-104' was successful.
Go to resource
Pin to dashboard
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 >
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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.
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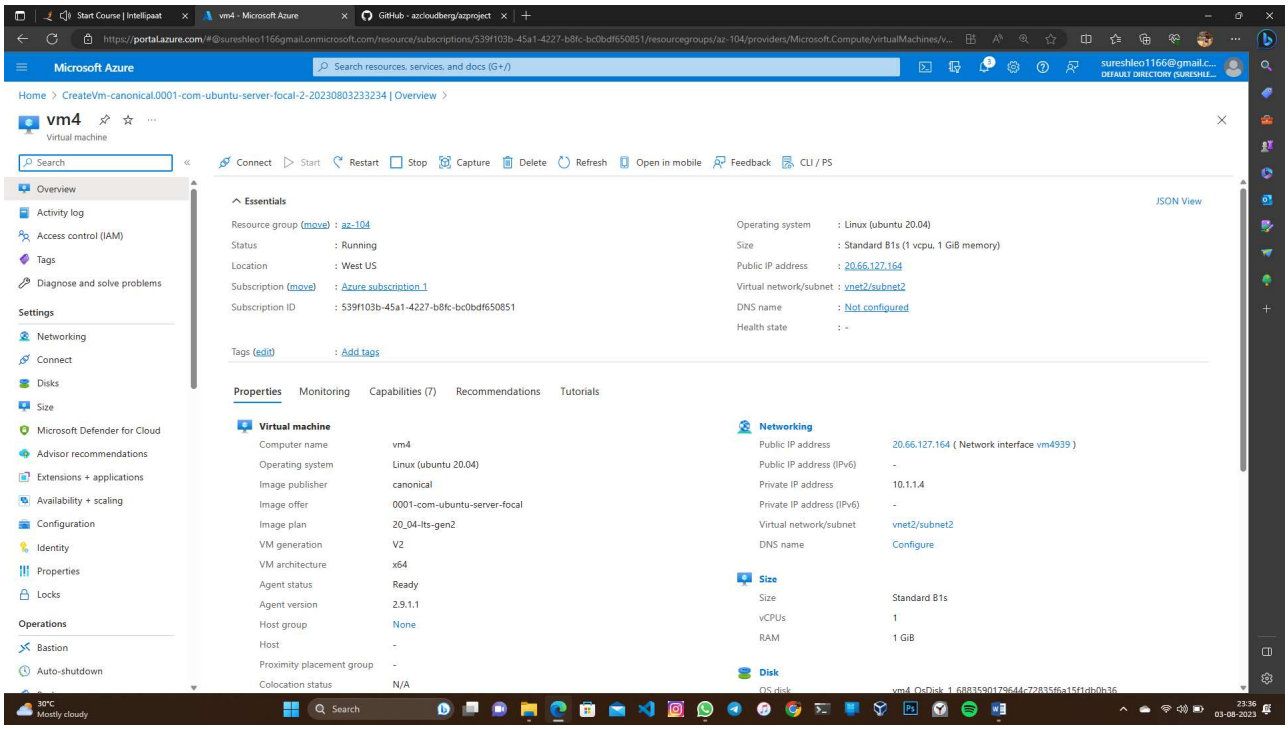
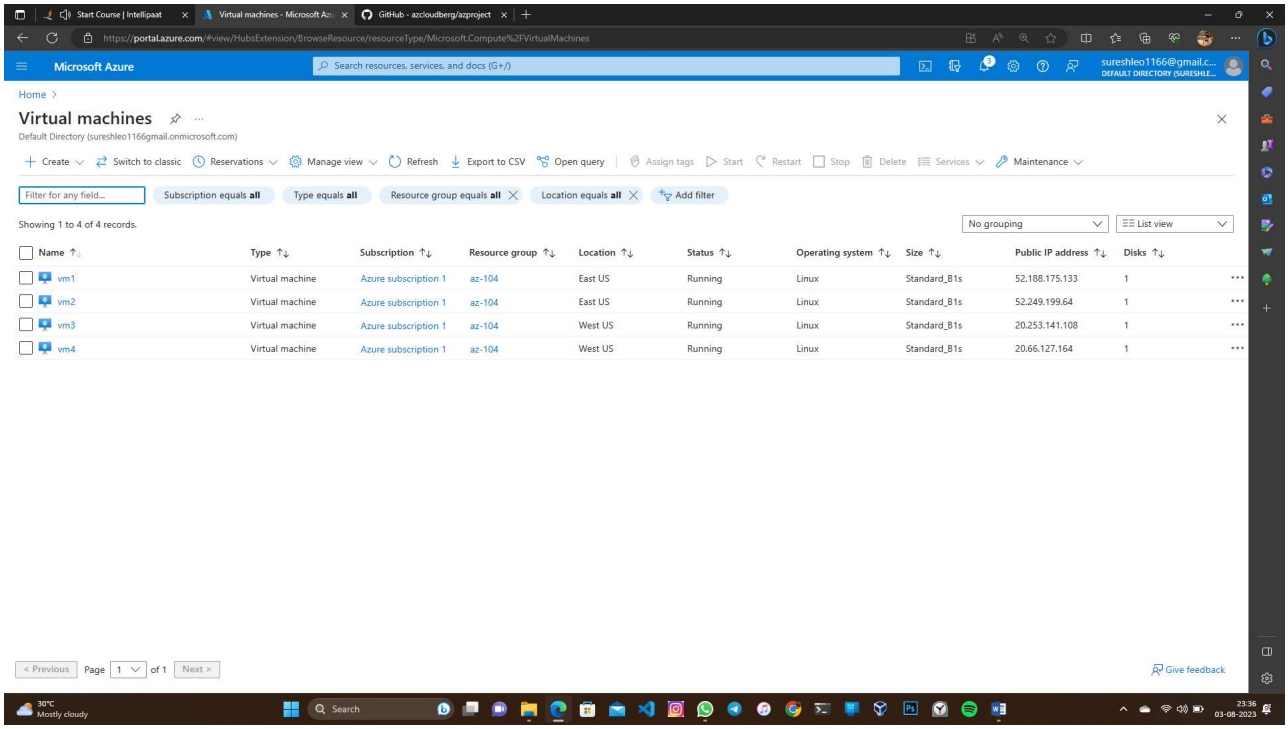
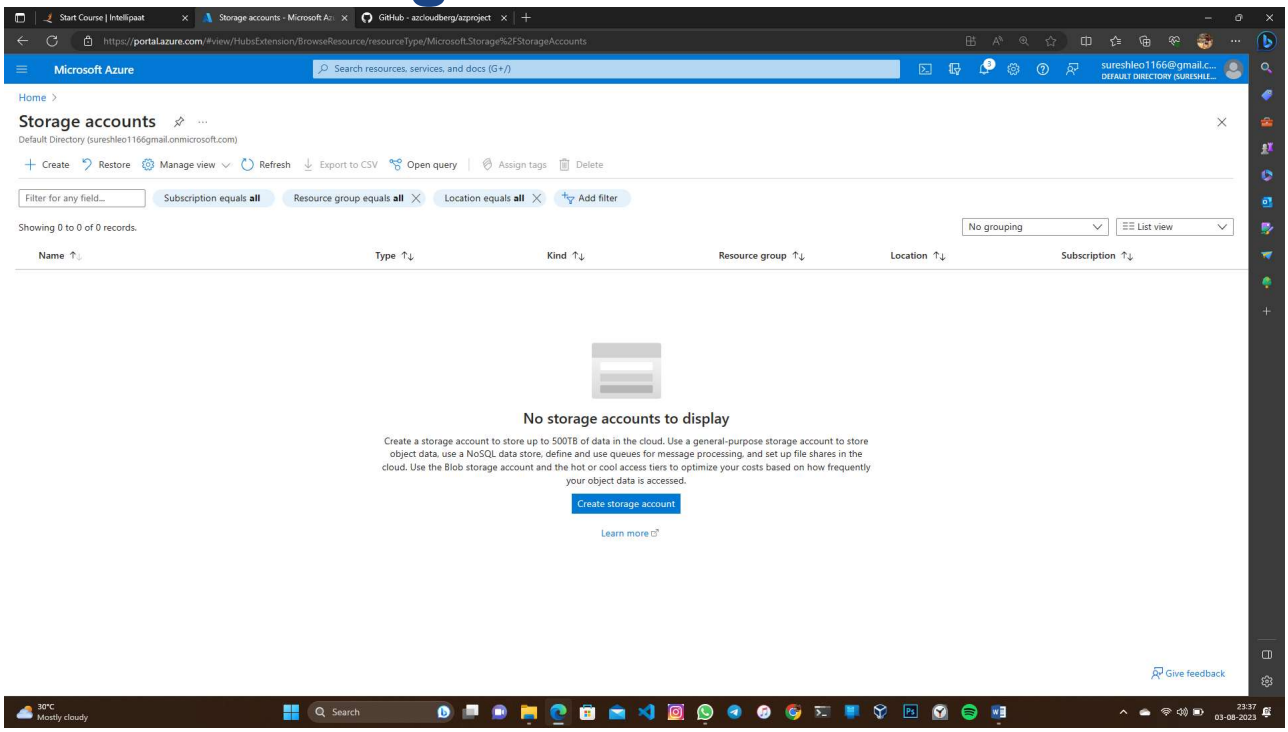
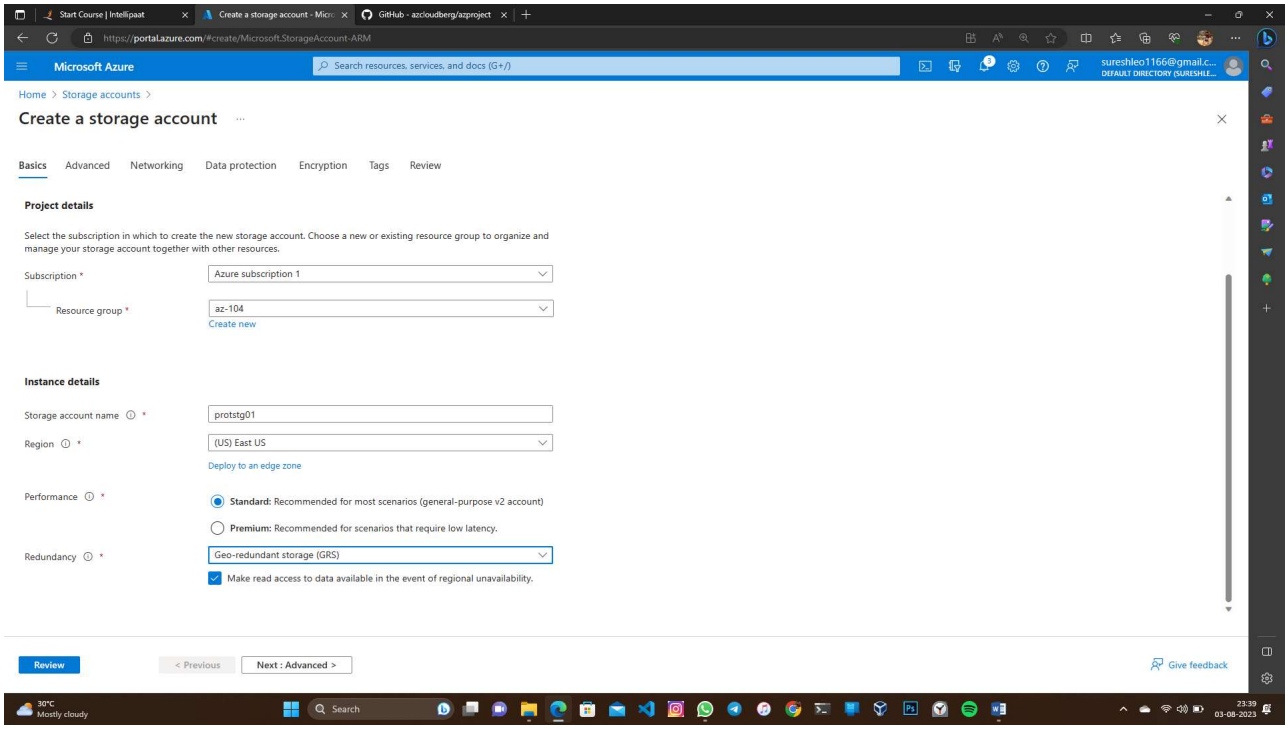
VM-04


Microsoft Azure
Search resources, services, and docs (G+/)
Home > CreateVm-canonical.0001-com-ubuntu-server-focal-2-20230803233234 | Overview >
vm4
Virtual machine
Search
Overview
Activity log
Access control (IAM)
Tags
Diagnose and solve problems
Settings
Networking
Connect
Disks
Size
Microsoft Defender for Cloud
Advisor recommendations
Extensions + applications
Availability + scaling
Configuration
Identity
Properties
Locks
Operations
Bastion
Auto-shutdown
Connect
Start
Restart
Stop
Capture
Delete
Refresh
Open in mobile
Feedback
CLI / PS
Essentials
JSON View
Resource group (move) : az-104
Status : Running
Location : West US
Subscription (move) : Azure subscription 1
Subscription ID : 539f103b-45a1-4227-b8fc-bc0bdf650851
Tags (edit) : Add tags
Operating system : Linux (ubuntu 20.04)
Size : Standard B1s (1 vcpu, 1 GiB memory)
Public IP address : 20.66.127.164
Virtual network/subnet : vnet2/subnet2
DNS name : Not configured
Health state : -
Properties
Monitoring
Capabilities (7)
Recommendations
Tutorials
Virtual machine
Computer name vm4
Operating system Linux (ubuntu 20.04)
Image publisher canonical
Image offer 0001-com-ubuntu-server-focal
Image plan 20_04-lts-gen2
VM generation V2
VM architecture x64
Agent status Ready
Agent version 2.9.1.1
Host group None
Host -
Proximity placement group -
Colocation status N/A
Networking
Public IP address 20.66.127.164 (Network interface vm4939)
Public IP address (IPv6) -
Private IP address 10.1.1.4
Private IP address (IPv6) -
Virtual network/subnet vnet2/subnet2
DNS name Configure
Size
Size Standard B1s
vCPUs 1
RAM 1 GiB
Disk
Mostly cloudy
Search
03-08-2023



Create storage account:

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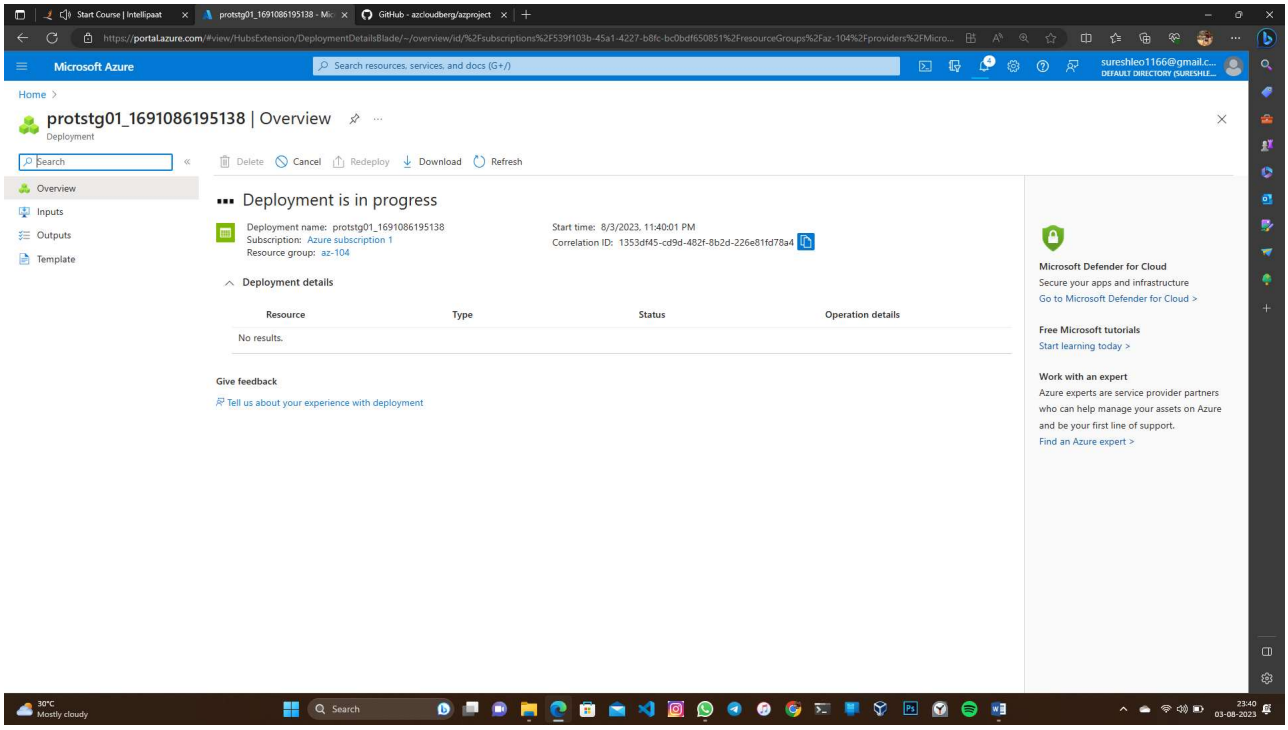
Create a storage account - Micr
GitHub - azcloudberg/azproject
https://portal.azure.com/#create/Microsoft.StorageAccount-ARM
Microsoft Azure
Search resources, services, and docs (G+/)
sureshleo1166@gmail.c...
DEFAULT DIRECTORY (SURESHLE...
Home > Storage accounts >
Create a storage account
Basics Advanced Networking Data protection Encryption Tags Review
Project details
Select the subscription in which to create the new storage account. Choose a new or existing resource group to organize and manage your storage account together with other resources.
Subscription *
Azure subscription 1
Resource group *
az-104
Create new
Instance details
Storage account name *
protstg01
Region *
(US) East US
Deploy to an edge zone
Performance *
Standard: Recommended for most scenarios (general-purpose v2 account)
Premium: Recommended for scenarios that require low latency.
Redundancy *
Geo-redundant storage (GRS)
Make read access to data available in the event of regional unavailability.
Review
< Previous
Next : Advanced >
Give feedback
30°C
Mostly cloudy
Search
23:39
03-08-2023


Start Course | Intellipaat
protstg01_1691086195138 - Mic
GitHub - azcloudberg/azproject
Microsoft Azure
Search resources, services, and docs (G+/)
sureshleo1166@gmail.c...
DEFAULT DIRECTORY (SURESHLE...
Home >
protstg01_1691086195138 | Overview
Deployment
Search
Overview
Inputs
Outputs
Template
Delete Cancel Redeploy Download Refresh
Deployment is in progress
Deployment name: protstg01_1691086195138
Subscription: Azure subscription 1
Resource group: az-104
Start time: 8/3/2023, 11:40:01 PM
Correlation ID: 1353df45-cd9d-482f-8b2d-226e81fd78a4
Deployment details
Resource
Type
Status
Operation details
No results.
Give feedback
Tell us about your experience with deployment
Microsoft Defender for Cloud
Secure your apps and infrastructure
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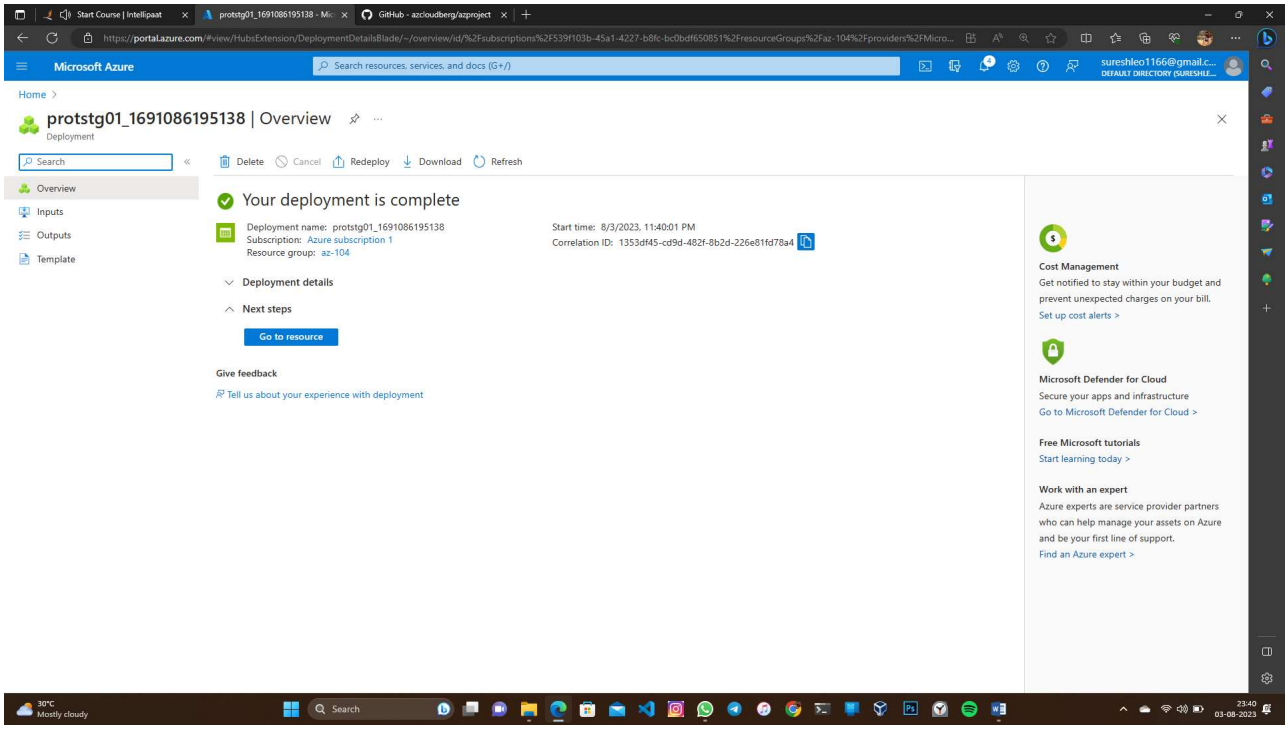
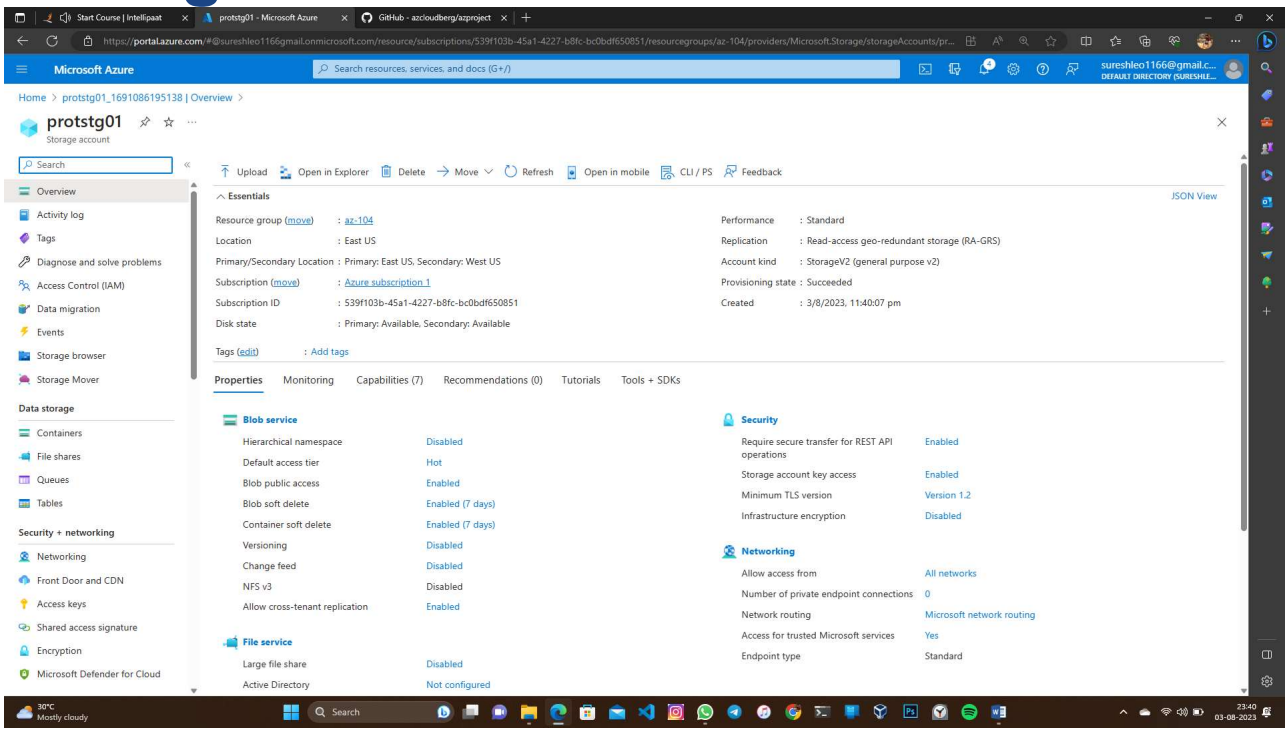
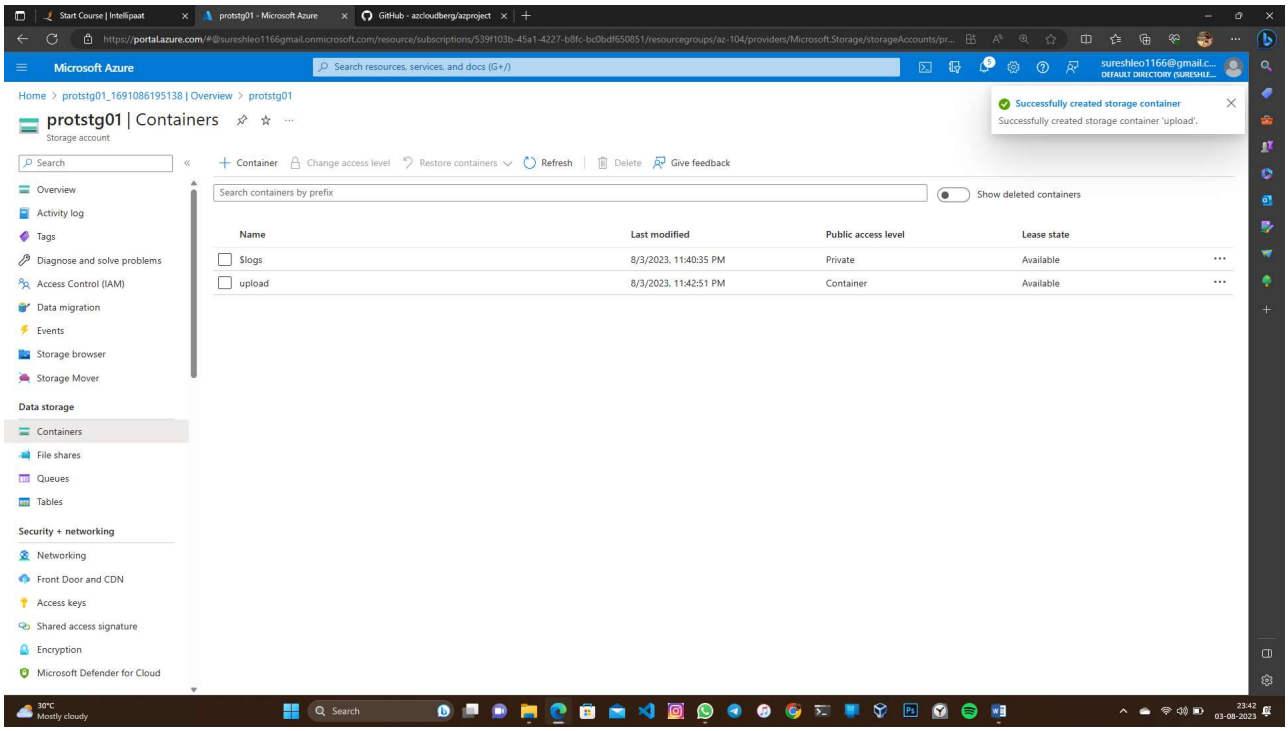
30°C
Mostly cloudy
Search
23:40
03-08-2023

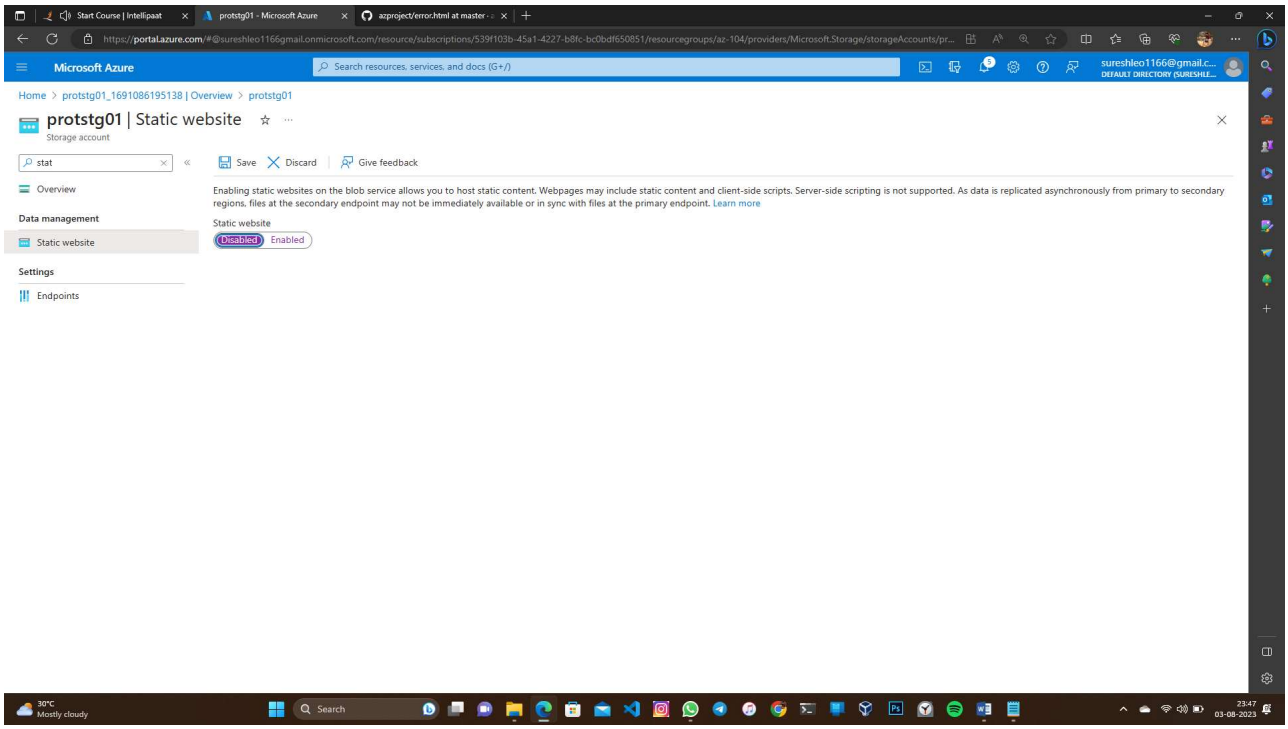


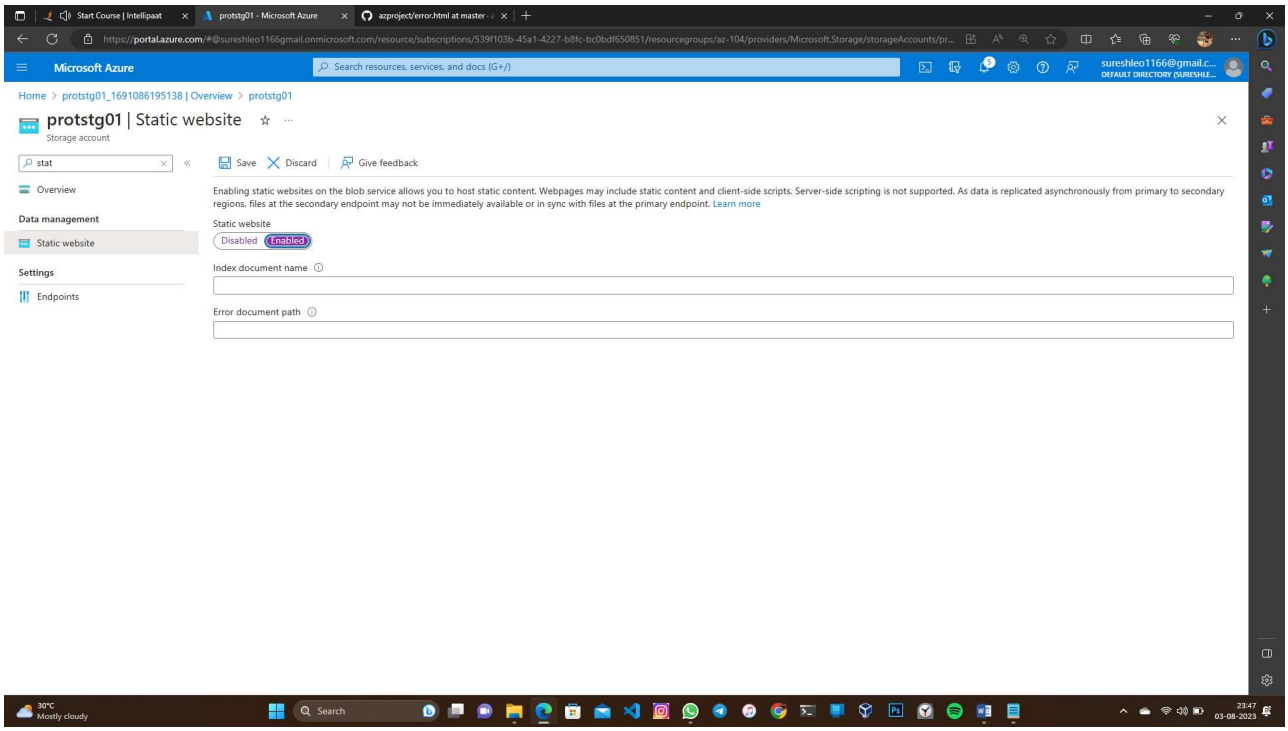
Storage account:



Create container:



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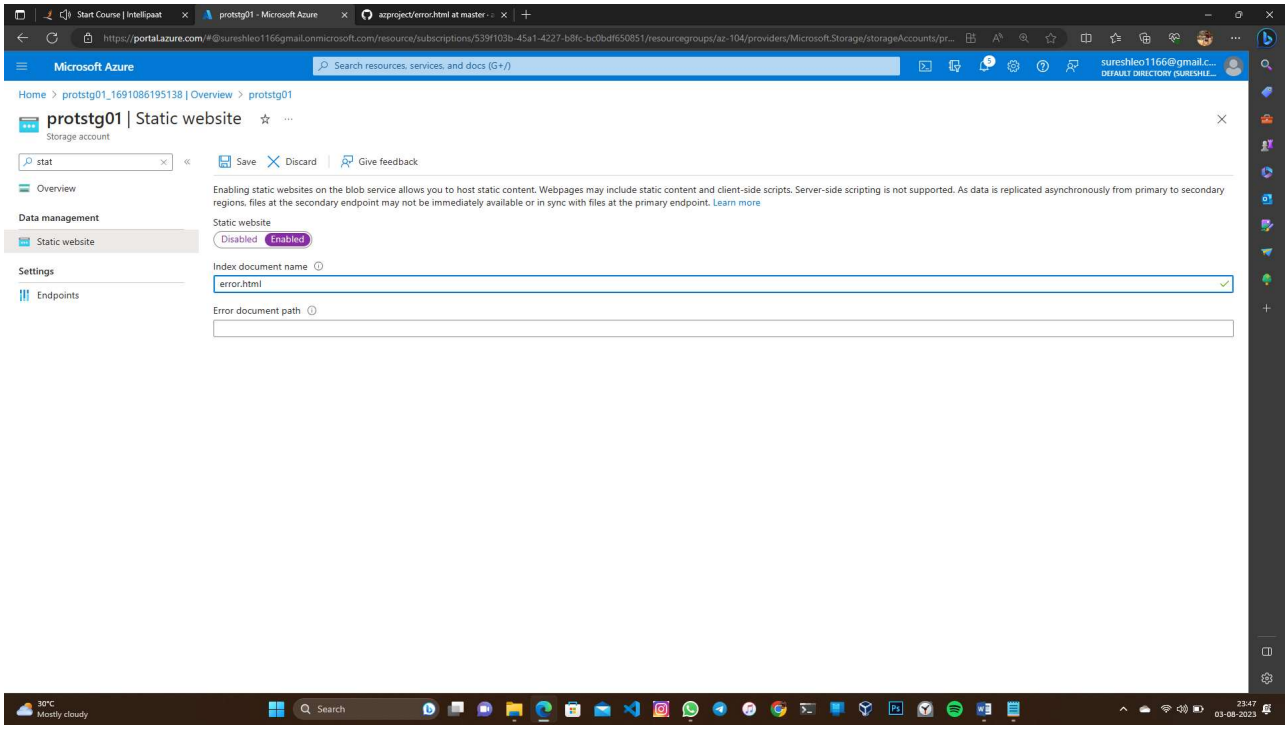
protstg01 - Microsoft Azure
azproject/error.html at master
Microsoft Azure
Search resources, services, and docs (G+/)
Home > protstg01_1691086195138 | Overview > protstg01
protstg01 | Static website
Storage account
stat
Save
Discard
Give feedback
Overview
Data management
Static website
Settings
Endpoints
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
Index document name
Error document path
30°C
Mostly cloudy
Search
23:47
03-08-2023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protstg01 | Static website
Storage account
stat
Save
Discard
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Data management
Static website
Settings
Endpoints
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Disabled
Enabled
Index document name
error.html
Error document path
30°C
Mostly cloudy
Search
23:47
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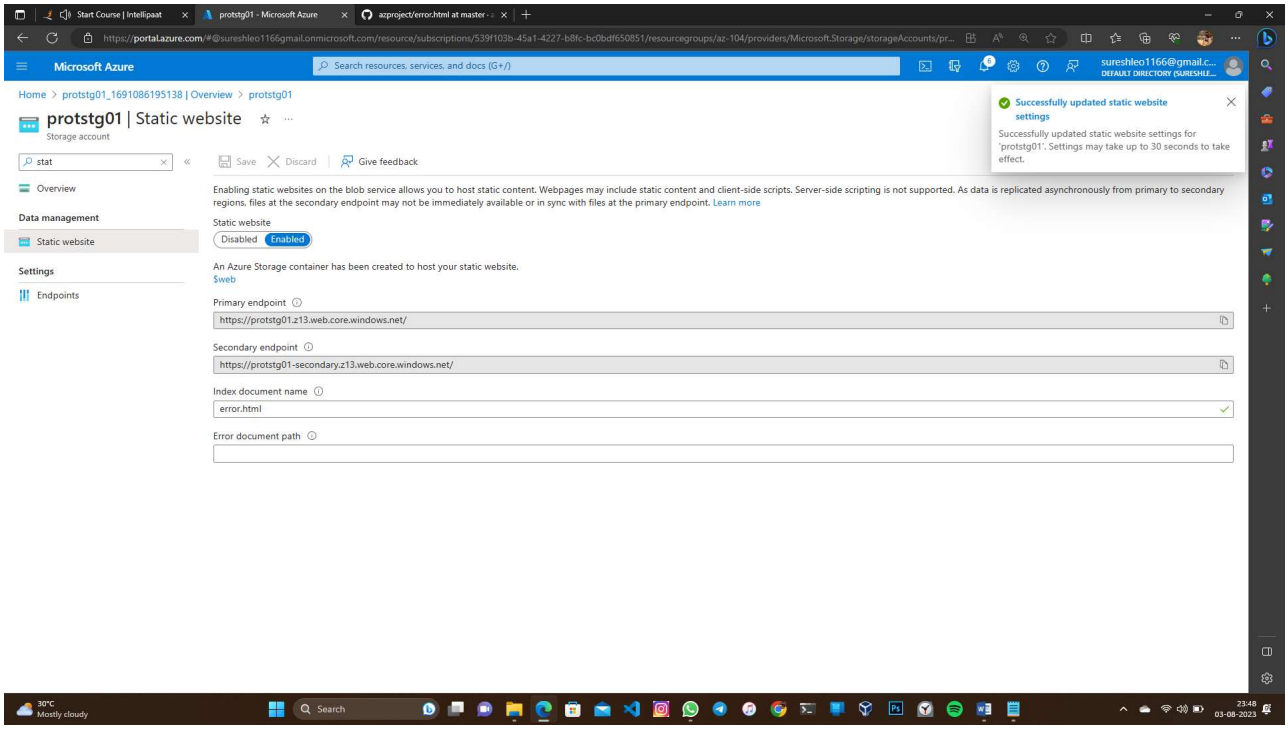
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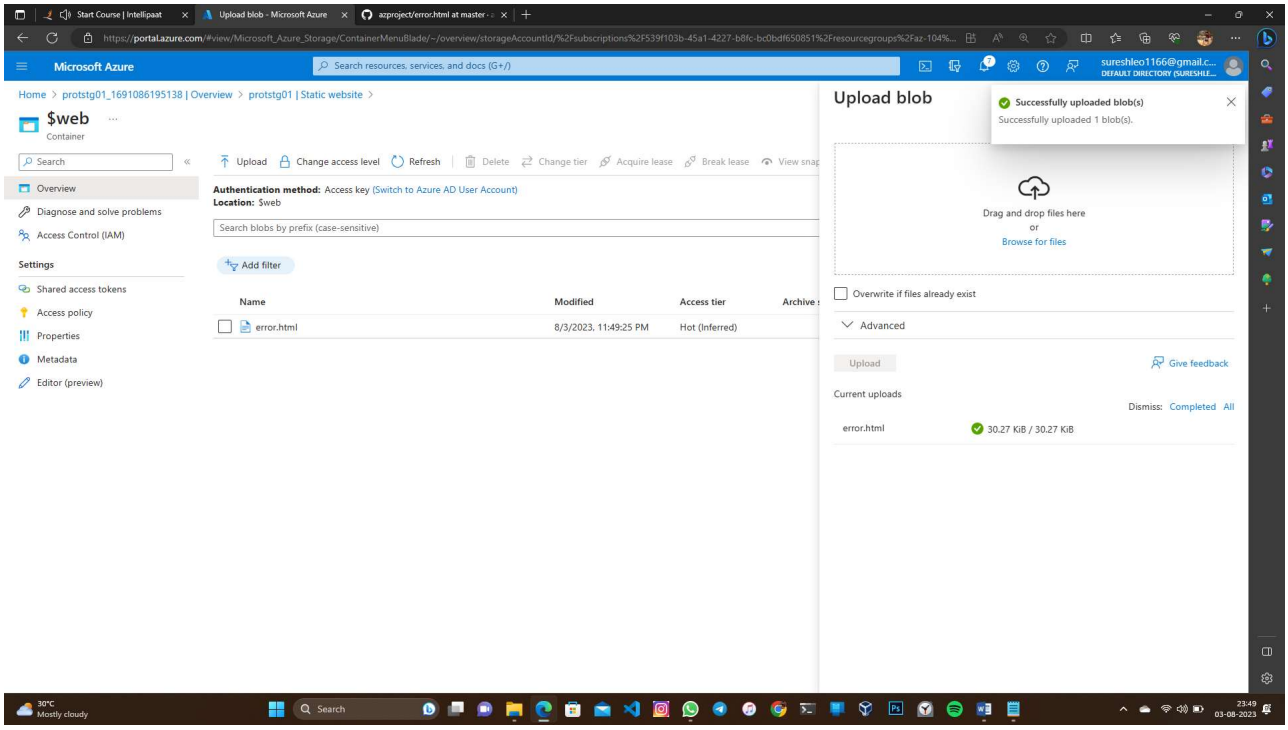
Home > protstg01_1691086195138 | Overview > protstg01
protstg01 | Static website
Storage account
Successfully updated static website settings
Successfully updated static website settings for 'protstg01'. Settings may take up to 30 seconds to take effect.
Save
Discard
Give feedback
Overview
Data management
Static website
Settings
Endpoints
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
Primary endpoint
https://protstg01.z13.web.core.windows.net/
Secondary endpoint
https://protstg01-secondary.z13.web.core.windows.net/
Index document name
error.html
Error document path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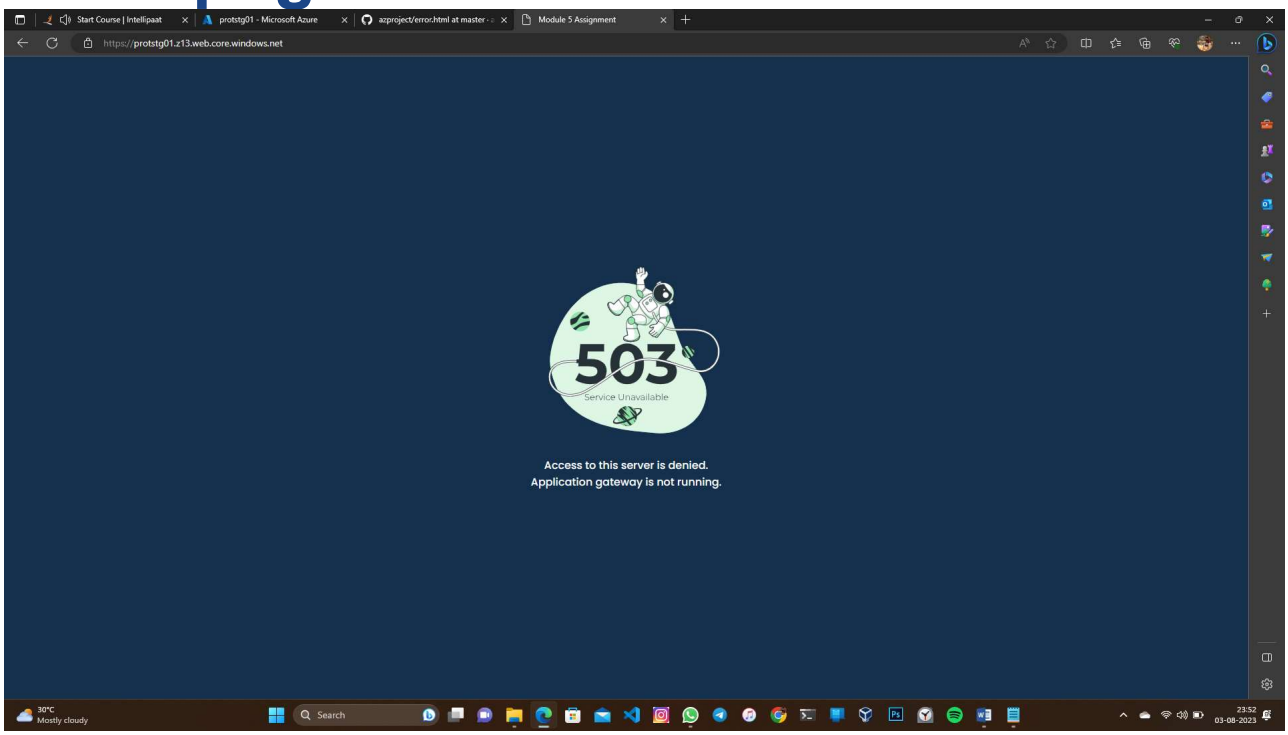
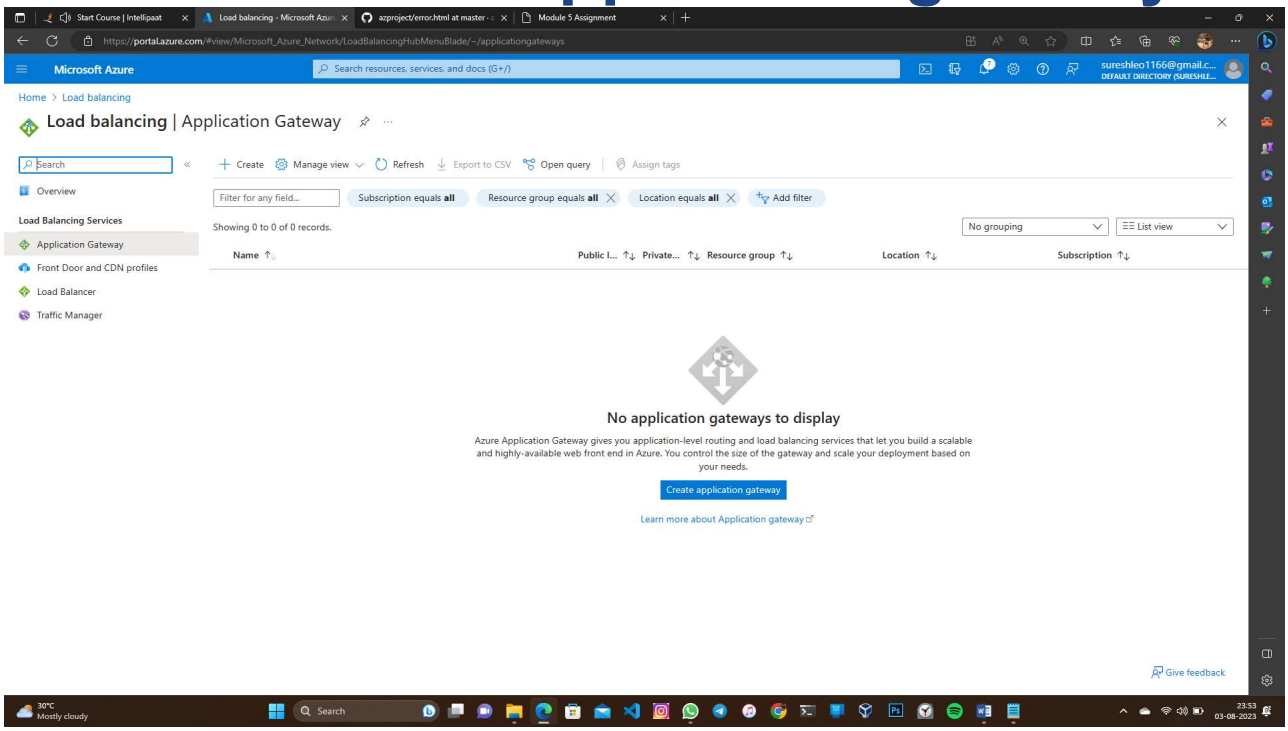
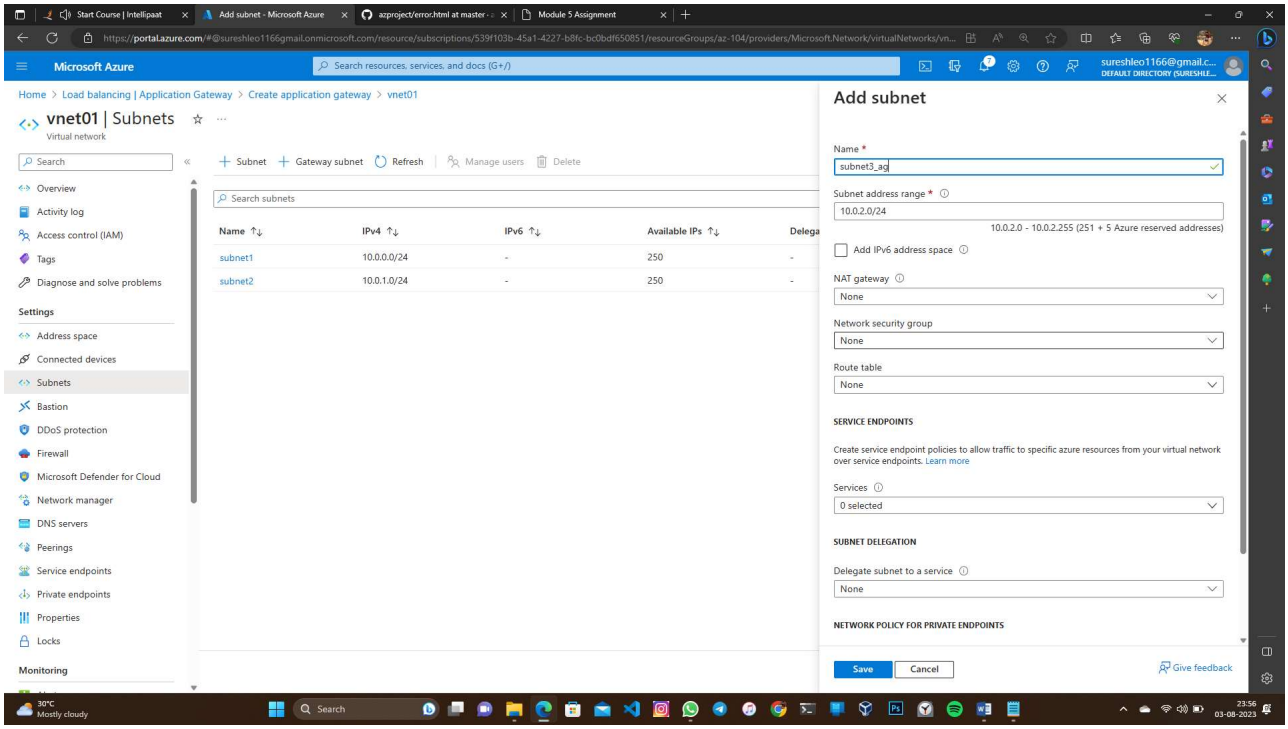
Home > protstg01_1691086195138 | Overview > protstg01 | Static website >
$web
Container
Upload
Change access level
Refresh
Delete
Change tier
Acquire lease
Break lease
Authentication method: Access key (Switch to Azure AD User Account)
Location: $web
Search blobs by prefix (case-sensitive)
Add filter
Name
Modified
Access tier
error.html
8/3/2023, 11:49:25 PM
Hot (Inferred)
Overview
Diagnose and solve problems
Access Control (IAM)
Settings
Shared access tokens
Access policy
Properties
Metadata
Editor (preview)
Upload blob
Successfully uploaded blob(s)
Successfully uploaded 1 blob(s).
Drag and drop files here
or
Browse for files
Overwrite if files already exist
Advanced
Upload
Give feedback
Current uploads
Dismiss: Completed All
error.html
30.27 KiB / 30.27 KiB

Error page:



Create East US application gateway:

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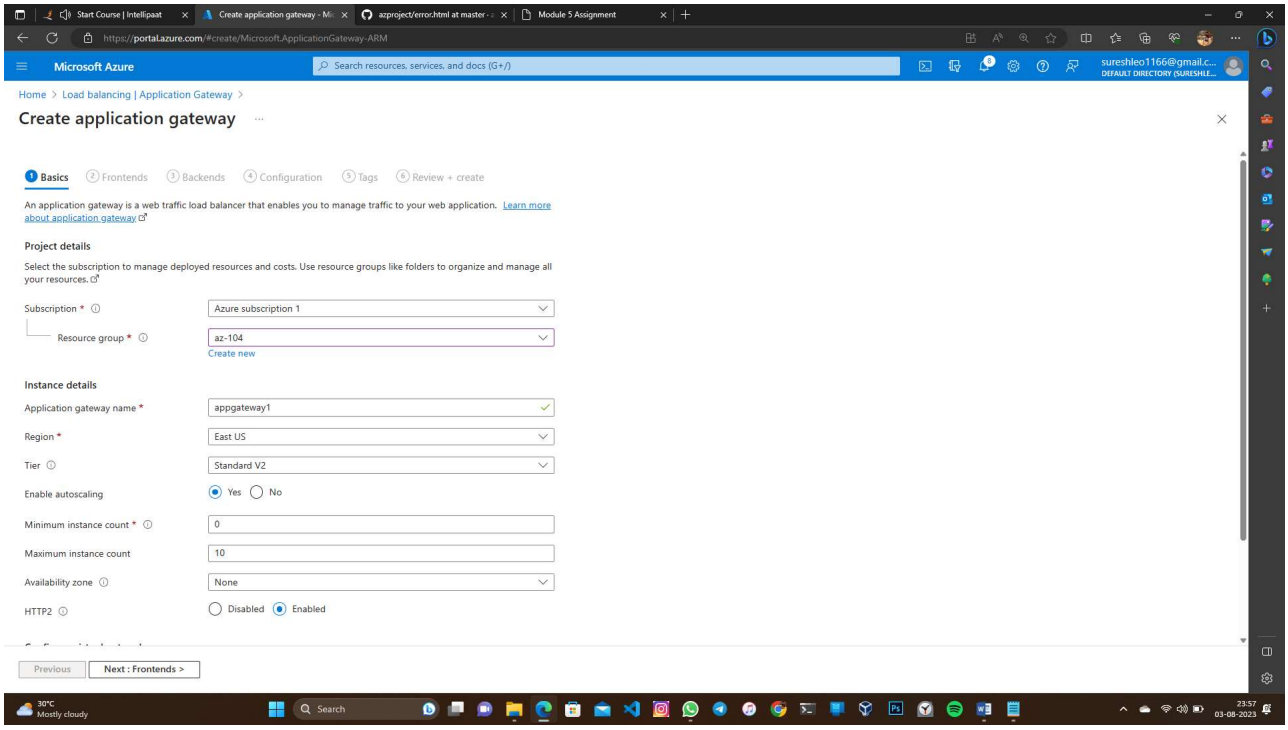
Search resources, services, and docs (G+/)
Home > Load balancing | Application Gateway > Create application gateway > vnet01
vnet01 | Subnets
Virtual network
Search
Overview
Activity log
Access control (IAM)
Tags
Diagnose and solve problems
Settings
Address space
Connected devices
Subnets
Bastion
DDoS protection
Firewall
Microsoft Defender for Cloud
Network manager
DNS servers
Peerings
Service endpoints
Private endpoints
Properties
Locks
Monitoring
Subnet
Gateway subnet
Refresh
Manage users
Delete
Search subnets
Name
IPv4
IPv6
Available IPs
subnet1
10.0.0.0/24
250
subnet2
10.0.1.0/24
250
Add subnet
Name *
subnet3_ag
Subnet address range *
10.0.2.0/24
10.0.2.0 - 10.0.2.255 (251 + 5 Azure reserved addresses)
Add IPv6 address space
NAT gateway
None
Network security group
None
Route table
None
SERVICE ENDPOINTS
Create service endpoint policies to allow traffic to specific azure resources from your virtual network over service endpoints. Learn more
Services
0 selected
SUBNET DELEGATION
Delegate subnet to a service
None
NETWORK POLICY FOR PRIVATE ENDPOINTS
Save
Cancel
Give feedback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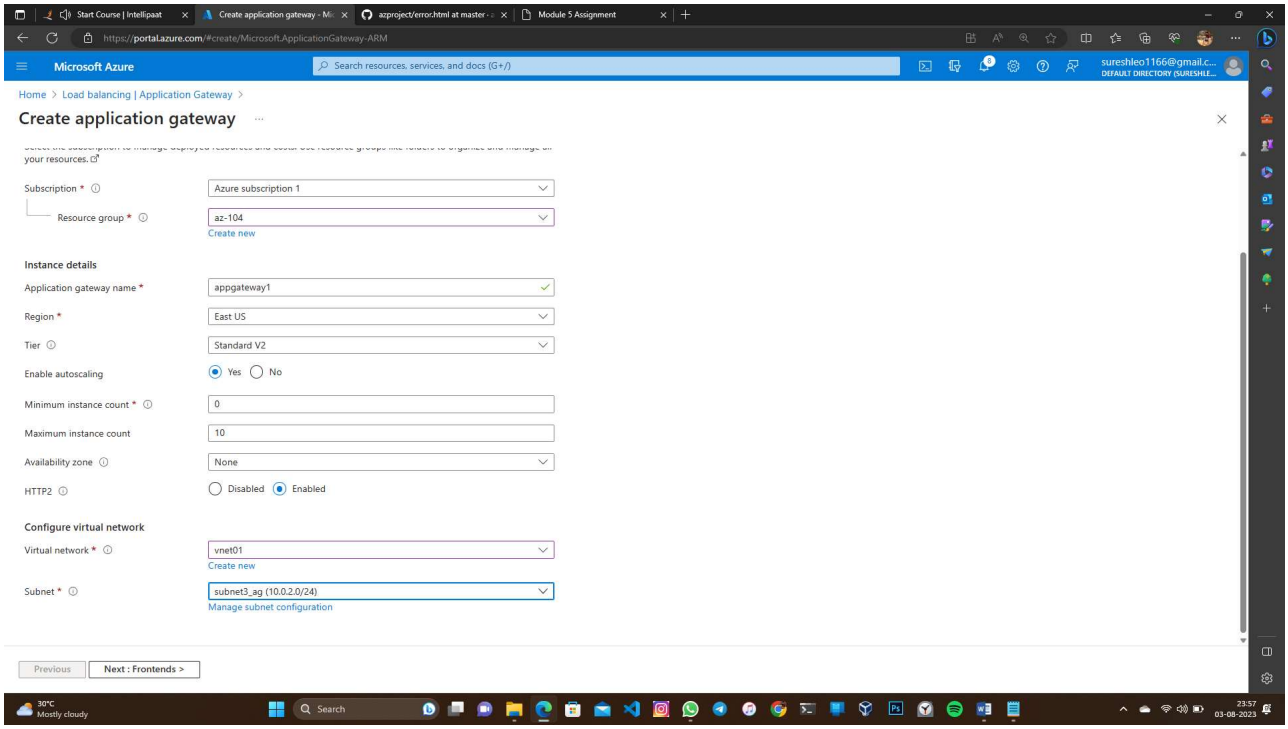
Home > Load balancing | Application Gateway >
Create application gateway
Basics
Frontends
Backends
Configuration
Tags
Review + create
An application gateway is a web traffic load balancer that enables you to manage traffic to your web application. Learn more about application gateway
Project details
Select the subscription to manage deployed resources and costs. Use resource groups like folders to organize and manage all your resources.
Subscription *
Azure subscription 1
Resource group *
az-104
Create new
Instance details
Application gateway name *
appgateway1
Region *
East US
Tier
Standard V2
Enable autoscaling
Yes
No
Minimum instance count *
0
Maximum instance count
10
Availability zone
None
HTTP2
Disabled
Enabled
Previous
Next : Frontends >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azproject/error.html at master -
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Microsoft Azure
Search resources, services, and docs (G+/)
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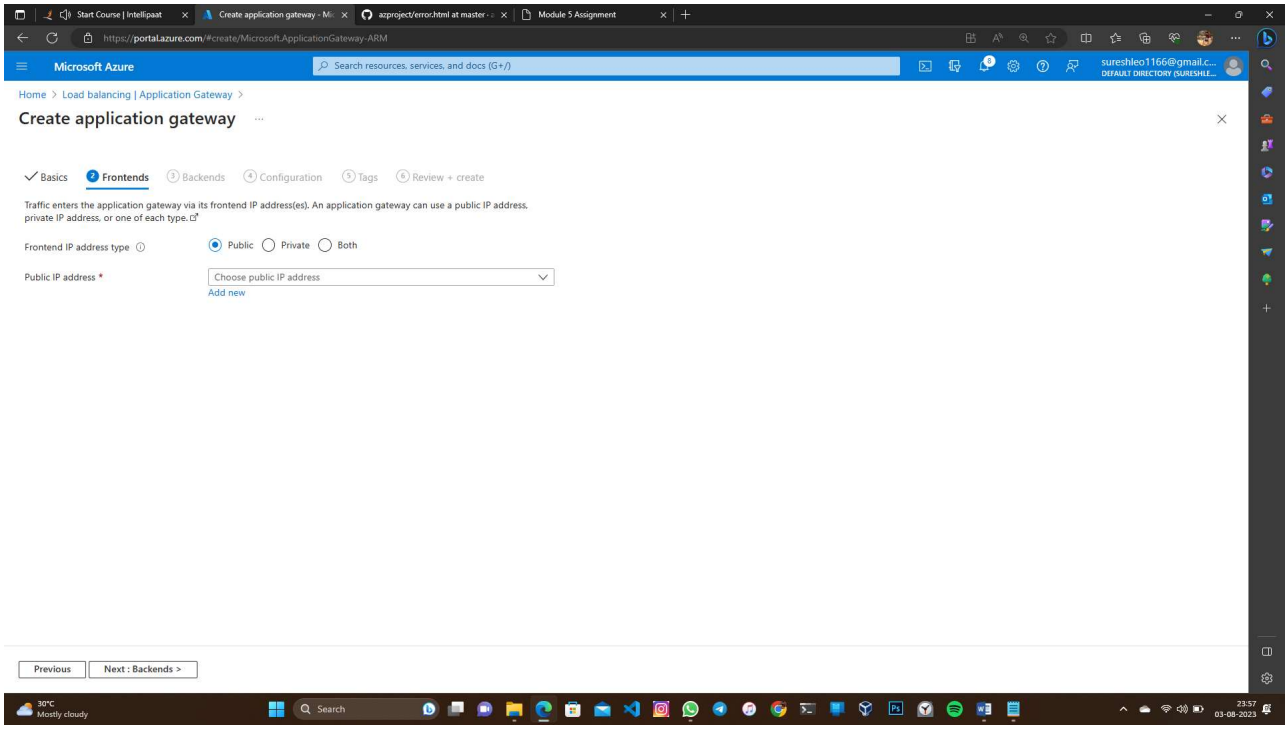
DEFAULT DIRECTORY (SURESHLE...
Home > Load balancing | Application Gateway >
Create application gateway
your resources.
Subscription * Azure subscription 1
Resource group * az-104
Create new
Instance details
Application gateway name * appgateway1
Region * East US
Tier Standard V2
Enable autoscaling Yes No
Minimum instance count * 0
Maximum instance count 10
Availability zone None
HTTP2 Disabled Enabled
Configure virtual network
Virtual network * vnet01
Create new
Subnet * subnet3_ag (10.0.2.0/24)
Manage subnet configuration
Previous
Next : Frontends >
30°C
Mostly cloudy
Search
23:57
03-08-2023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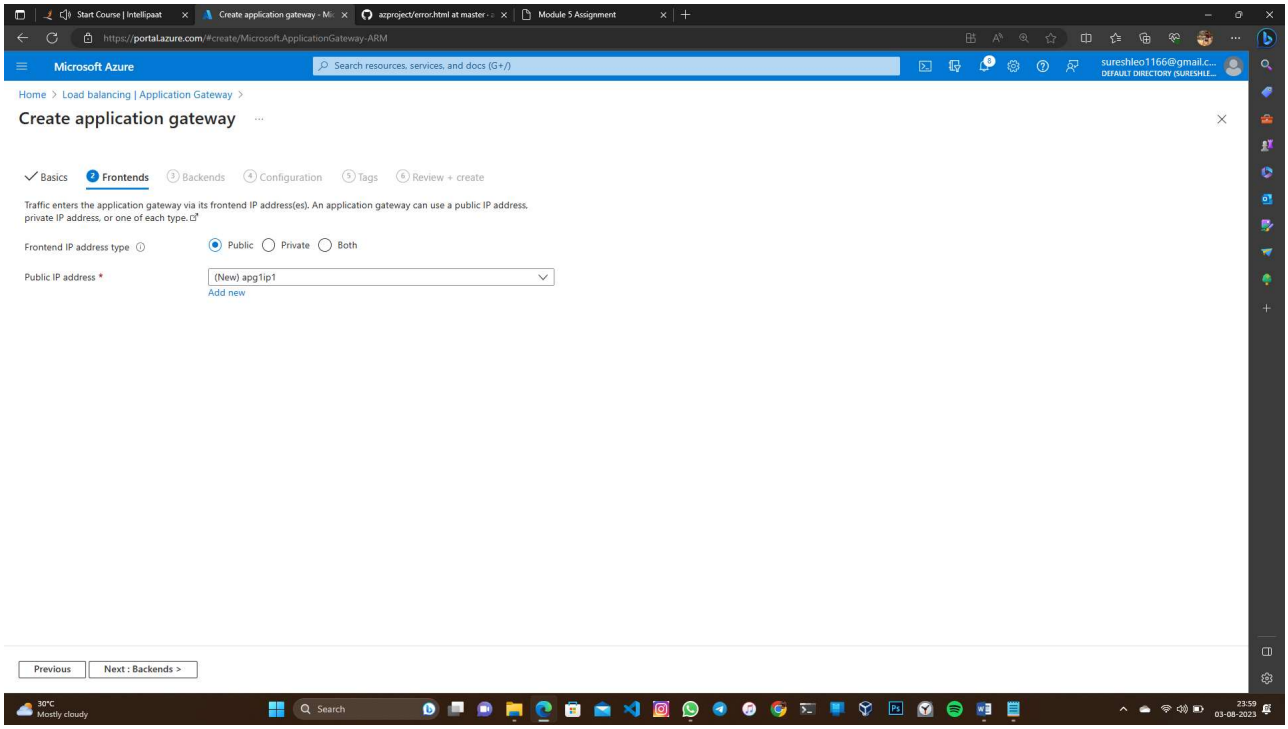
Home > Load balancing | Application Gateway >
Create application gateway
Basics
2 Frontends
3 Backends
4 Configuration
5 Tags
6 Review + create
Traffic enters the application gateway via its frontend IP address(es). An application gateway can use a public IP address, private IP address, or one of each type.
Frontend IP address type Public Private Both
Public IP address * Choose public IP address
Add new
Previous
Next : Backends >
30°C
Mostly cloudy
Search
23:57
03-08-2023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azproject/error.html at master -
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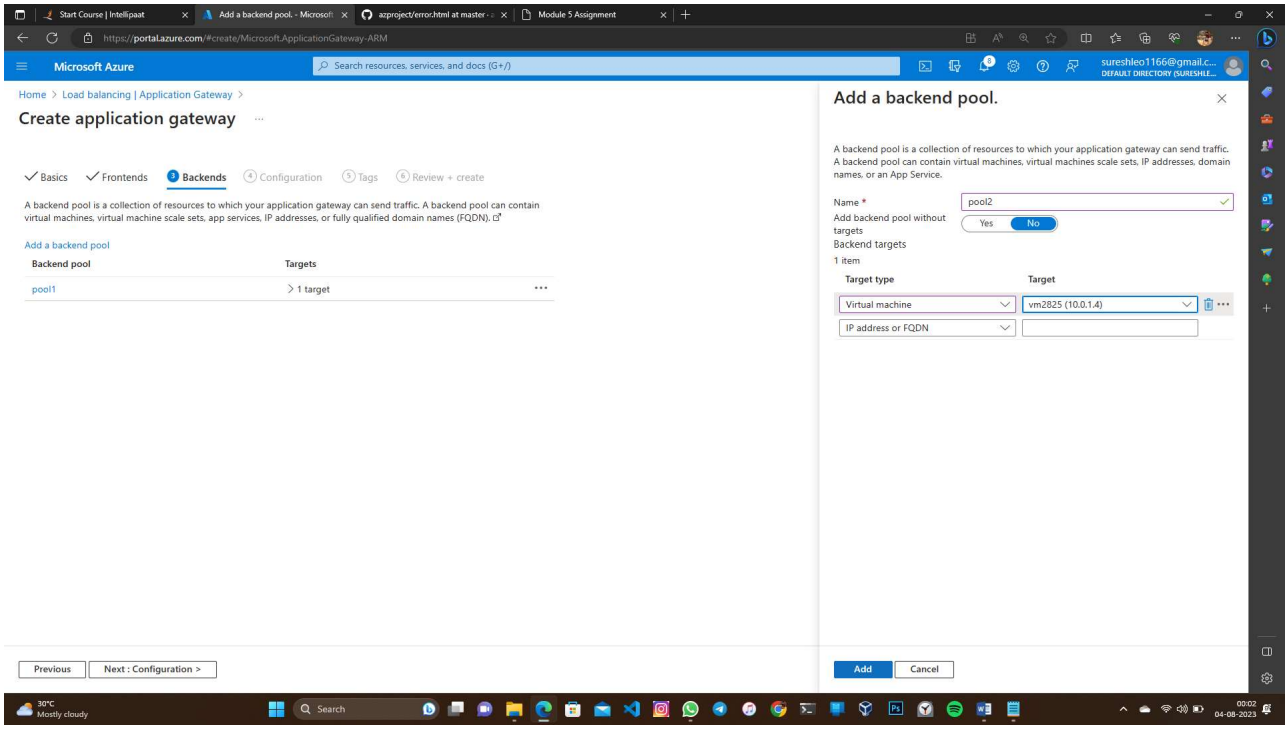
Tags
Review + create
Traffic enters the application gateway via its frontend IP address(es). An application gateway can use a public IP address, private IP address, or one of each type.
Frontend IP address type
Public
Private
Both
Public IP address *
(New) apg1ip1
Add new
Previous
Next : Backends >
30°C
Mostly cloudy
Search
23:59
03-08-2023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Add a backend pool. - Microsoft
azproject/error.html at master -
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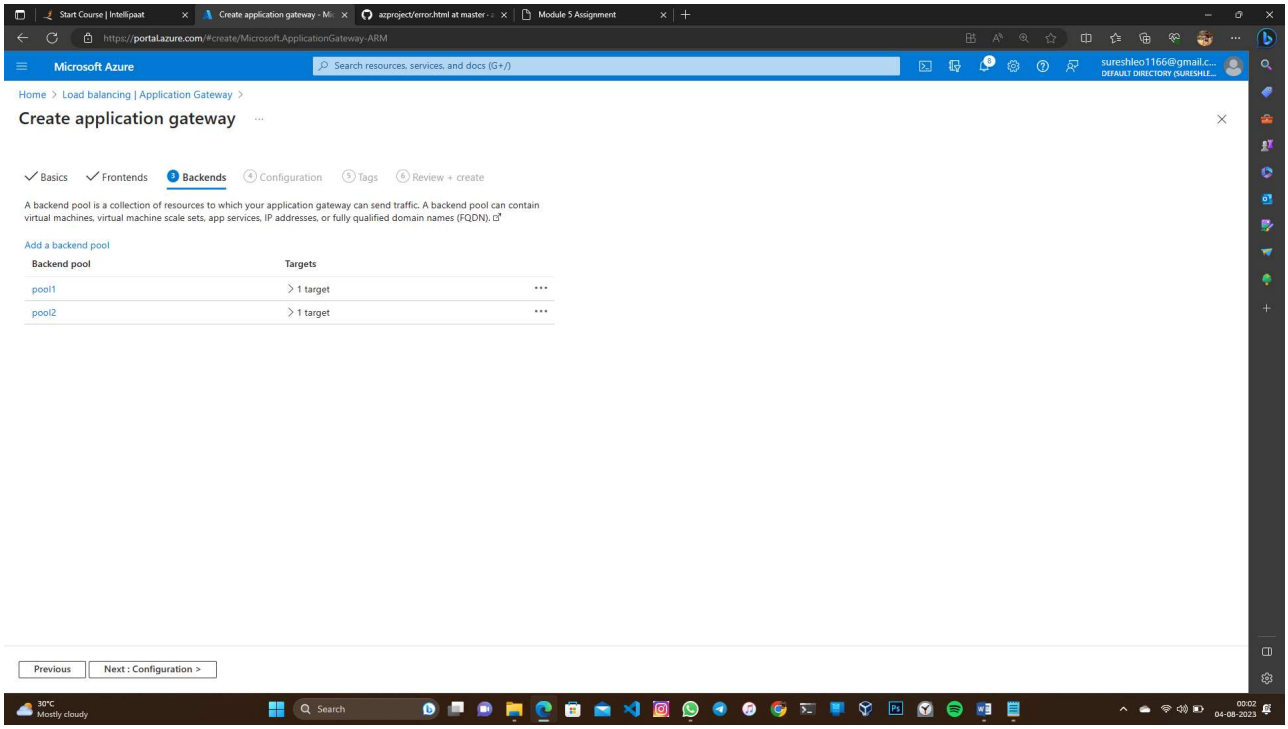
DEFAULT DIRECTORY (SURESHLE...
Home > Load balancing | Application Gateway >
Create application gateway
Basics
Frontends
Backends
Configuration
Tags
Review + create
A backend pool is a collection of resources to which your application gateway can send traffic. A backend pool can contain virtual machines, virtual machine scale sets, app services, IP addresses, or fully qualified domain names (FQDN).
Add a backend pool
Backend pool
Targets
pool1
1 target
Add a backend pool.
A backend pool is a collection of resources to which your application gateway can send traffic. A backend pool can contain virtual machines, virtual machines scale sets, IP addresses, domain names, or an App Service.
Name *
pool2
Add backend pool without targets
Yes
No
Backend targets
1 item
Target type
Target
Virtual machine
vm2825 (10.0.1.4)
IP address or FQDN
Previous
Next : Configuration >
Add
Cancel
30°C
Mostly cloudy
Search
00:02
04-08-2023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Microsoft Azure
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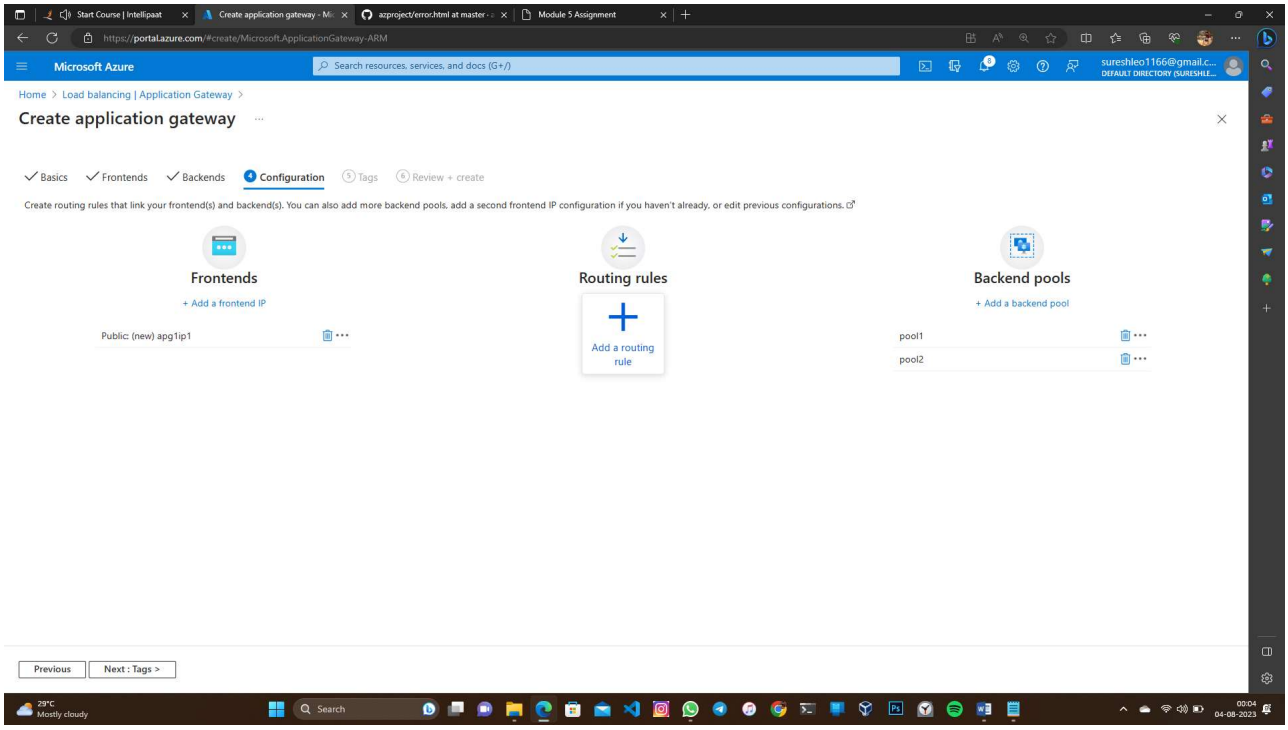
Create application gateway
Basics
Frontends
3 Backends
4 Configuration
5 Tags
6 Review + create
A backend pool is a collection of resources to which your application gateway can send traffic. A backend pool can contain virtual machines, virtual machine scale sets, app services, IP addresses, or fully qualified domain names (FQDN).
Add a backend pool
Backend pool
Targets
pool1
1 target
pool2
1 target
Previous
Next : Configuration >
30°C
Mostly cloudy
Search
00:02
04-08-2023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Microsoft Azure
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DEFAULT DIRECTORY (SURESHLE...
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Create application gateway
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Backends
4 Configuration
5 Tags
6 Review + create
Create routing rules that link your frontend(s) and backend(s). You can also add more backend pools, add a second frontend IP configuration if you haven't already, or edit previous configurations.
Frontends
+ Add a frontend IP
Public: (new) apg1ip1
Routing rules
Add a routing rule
Backend pools
+ Add a backend pool
pool1
pool2
Previous
Next : Tags >
29°C
Mostly cloudy
Search
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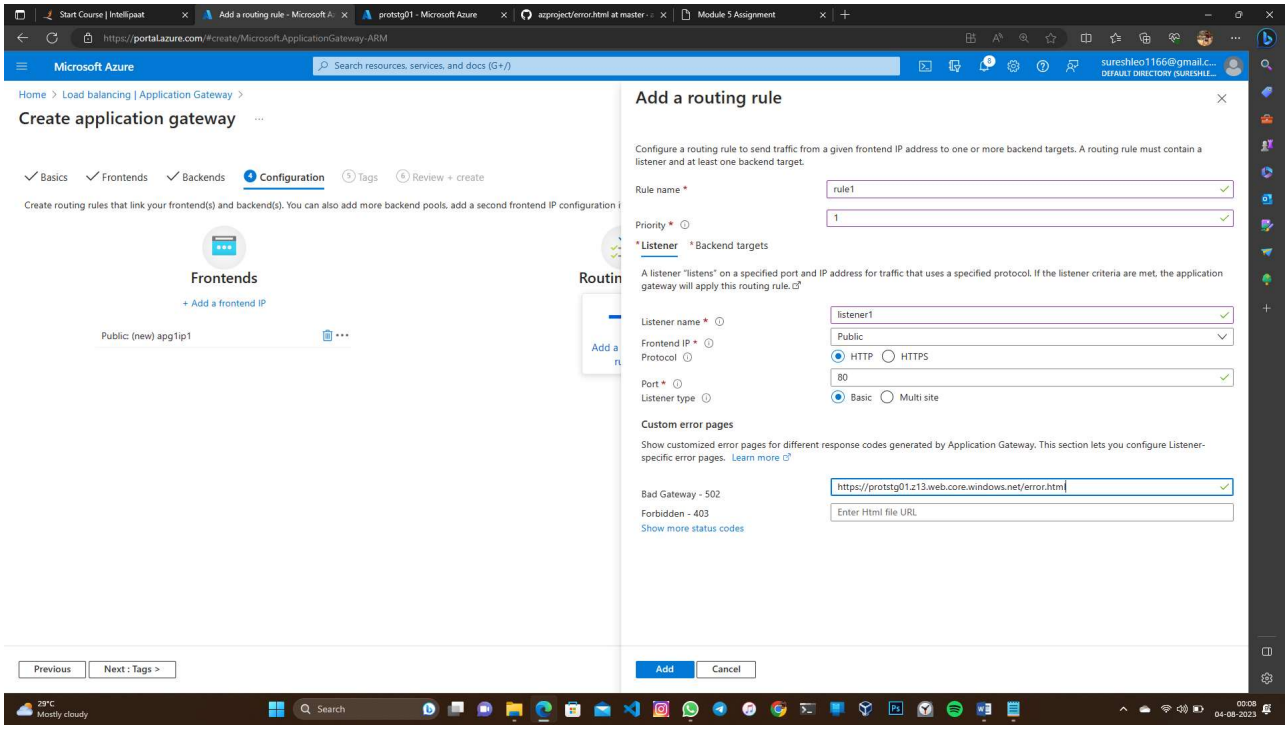
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Add a routing rule - Microsoft A
protstg01 - Microsoft Azure
azproject/error.html at master - :
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Tags
Review + create
Create routing rules that link your frontend(s) and backend(s). You can also add more backend pools, add a second frontend IP configuration
Frontends
+ Add a frontend IP
Public: (new) apg1ip1
Routin
Add a
Add a routing rule
Configure a routing rule to send traffic from a given frontend IP address to one or more backend targets. A routing rule must contain a listener and at least one backend target.
Rule name *
rule1
Priority *
1
*Listener
*Backend targets
A listener "listens" on a specified port and IP address for traffic that uses a specified protocol. If the listener criteria are met, the application gateway will apply this routing rule.
Listener name *
listener1
Frontend IP *
Public
Protocol
HTTP
HTTPS
Port *
80
Listener type
Basic
Multi site
Custom error pages
Show customized error pages for different response codes generated by Application Gateway. This section lets you configure Listener-specific error pages. Learn more
Bad Gateway - 502
https://protstg01.z13.web.core.windows.net/error.html
Forbidden - 403
Enter Html file URL
Show more status codes
Previous
Next : Tags >
Add
Cancel
29°C
Mostly cloudy
Search
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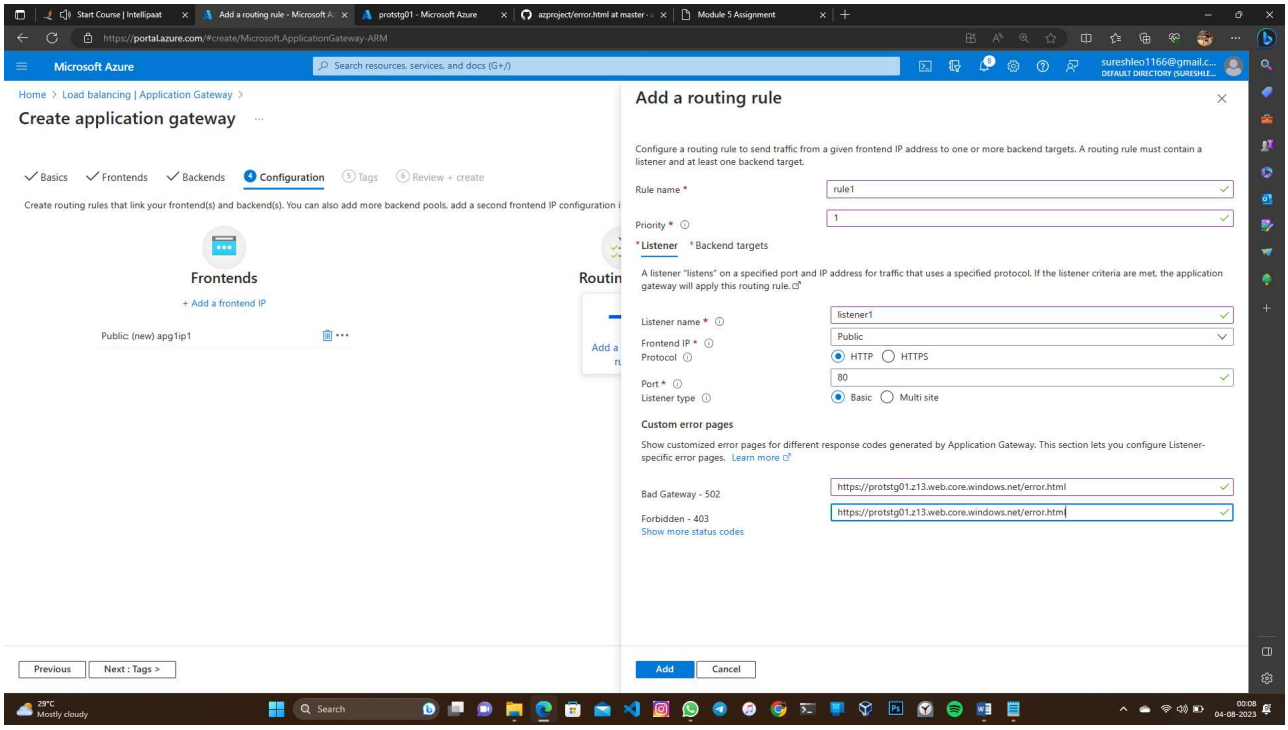
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Review + create
Create routing rules that link your frontend(s) and backend(s). You can also add more backend pools, add a second frontend IP configuration
Frontends
+ Add a frontend IP
Public: (new) apg1ip1
Routin
Add a
Add a routing rule
Configure a routing rule to send traffic from a given frontend IP address to one or more backend targets. A routing rule must contain a listener and at least one backend target.
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rule1
Priority *
1
*Listener
*Backend targets
A listener "listens" on a specified port and IP address for traffic that uses a specified protocol. If the listener criteria are met, the application gateway will apply this routing rule.
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listener1
Frontend IP *
Public
Protocol
HTTP
HTTPS
Port *
80
Listener type
Basic
Multi site
Custom error pages
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https://protstg01.z13.web.core.windows.net/error.html
Forbidden - 403
https://protstg01.z13.web.core.windows.net/error.html
Show more status codes
Previous
Next : Tags >
Add
Cancel
29°C
Mostly cloudy
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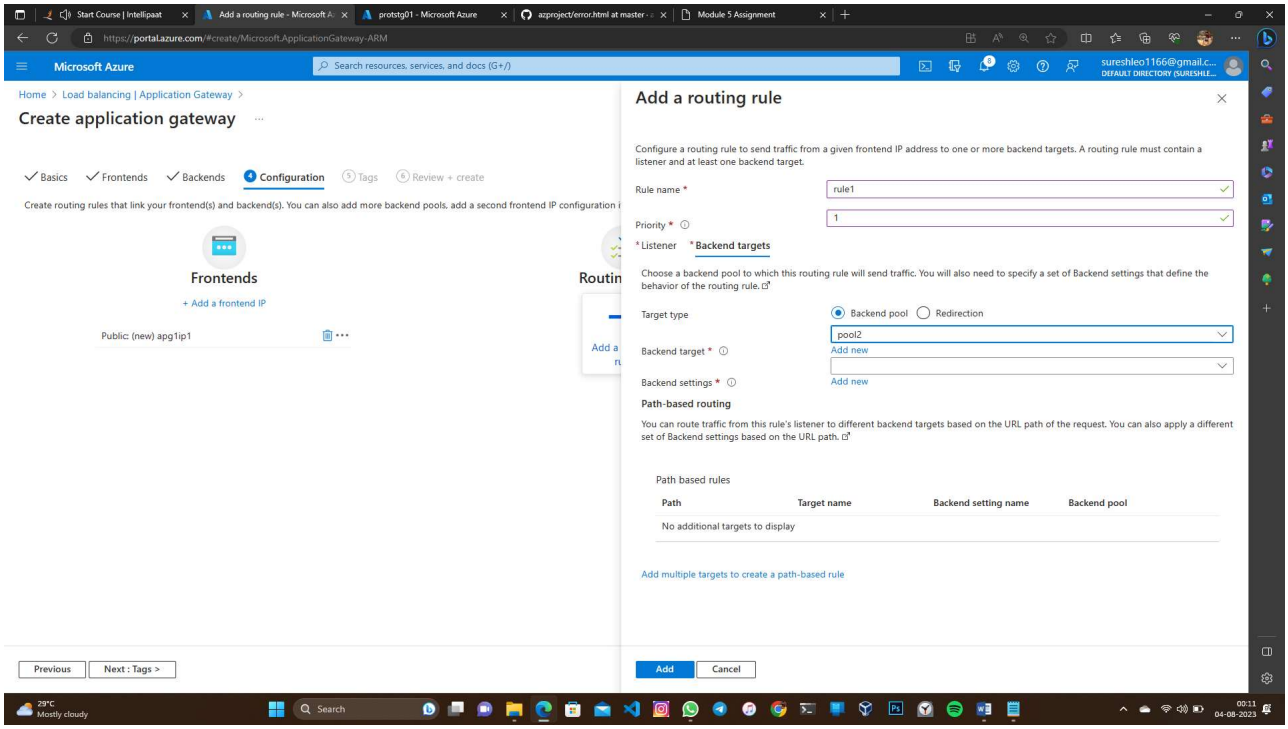
04-08-2023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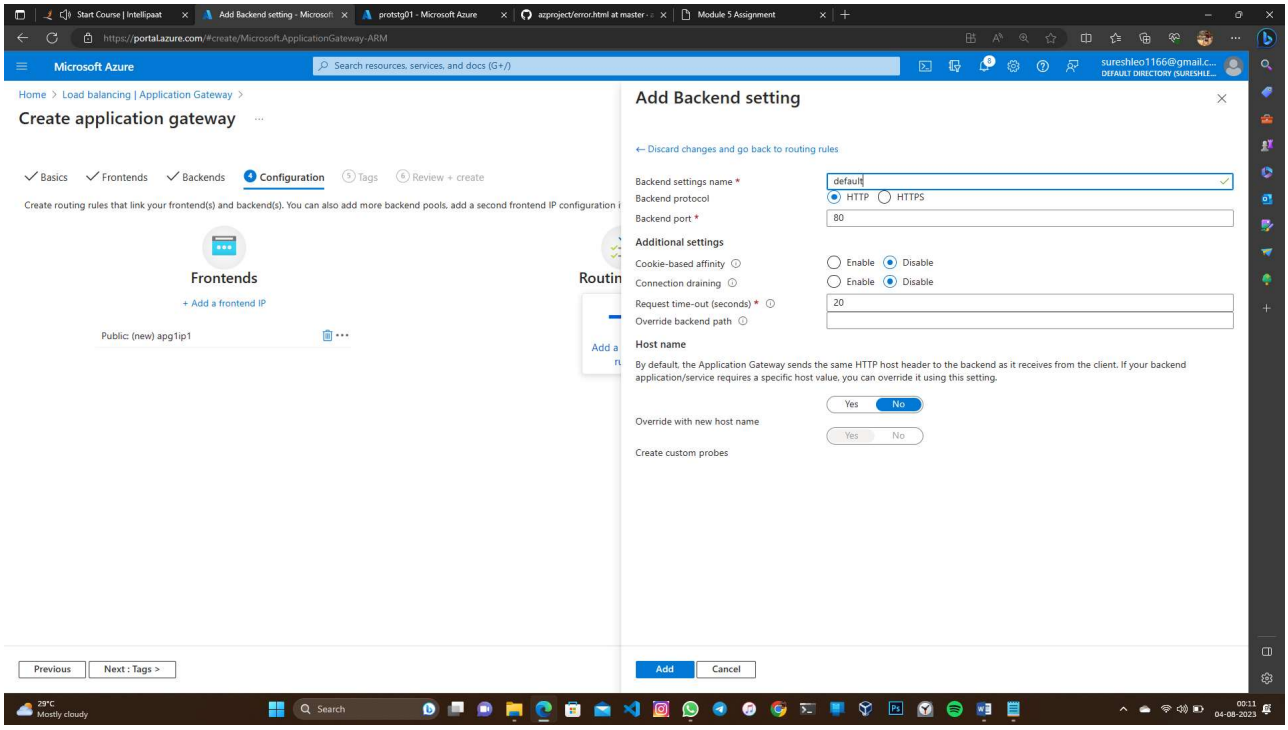
Tags
Review + create
Create routing rules that link your frontend(s) and backend(s). You can also add more backend pools, add a second frontend IP configuration i
Frontends
+ Add a frontend IP
Public: (new) apg1ip1
Routin
Add a
ru
Add a routing rule
Configure a routing rule to send traffic from a given frontend IP address to one or more backend targets. A routing rule must contain a listener and at least one backend target.
Rule name *
rule1
Priority *
1
*Listener
*Backend targets
Choose a backend pool to which this routing rule will send traffic. You will also need to specify a set of Backend settings that define the behavior of the routing rule.
Target type
Backend pool
Redirection
Backend target *
pool2
Add new
Backend settings *
Add new
Path-based routing
You can route traffic from this rule's listener to different backend targets based on the URL path of the request. You can also apply a different set of Backend settings based on the URL path.
Path based rules
Path
Target name
Backend setting name
Backend pool
No additional targets to display
Add multiple targets to create a path-based rule
Previous
Next : Tags >
Add
Cancel
29°C
Mostly cloudy
Search
00:11
04-08-2023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protstg01 - Microsoft Azure
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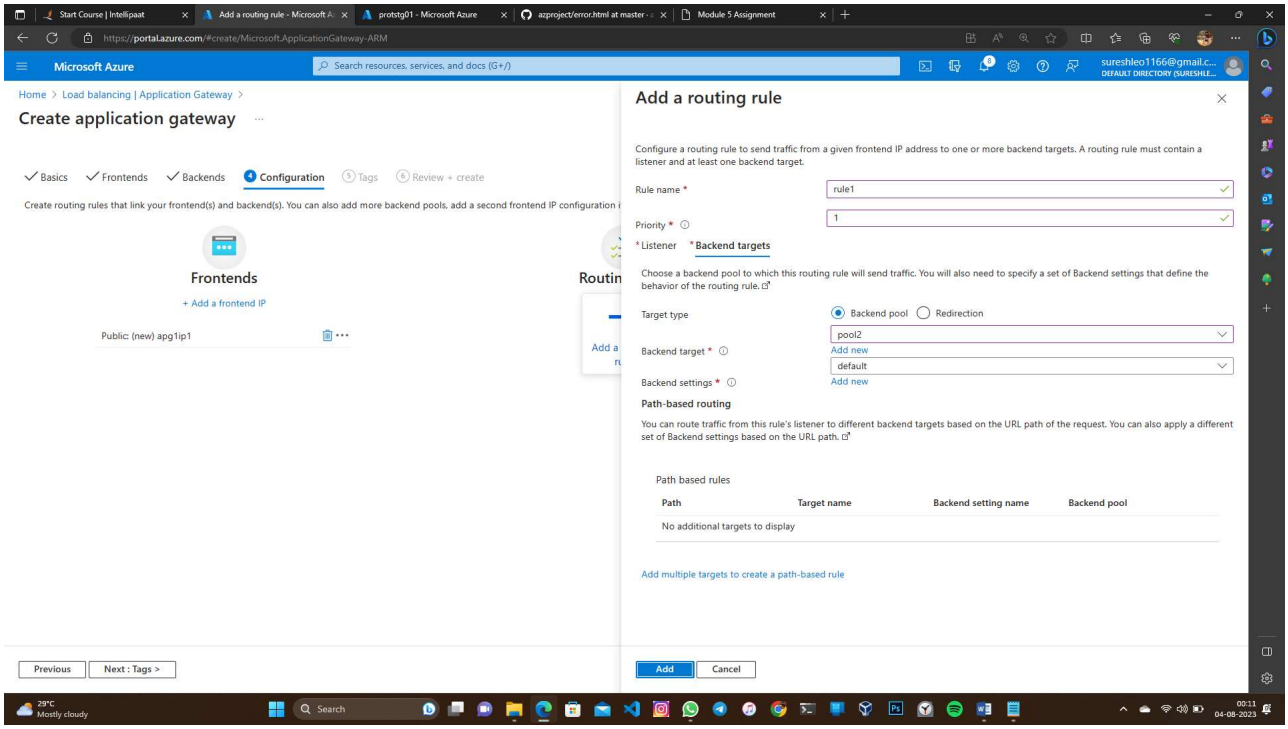
Configuration
Tags
Review + create
Create routing rules that link your frontend(s) and backend(s). You can also add more backend pools, add a second frontend IP configuration i
Frontends
+ Add a frontend IP
Public: (new) apg1ip1
Routin
Add a
ru
Add Backend setting
← Discard changes and go back to routing rules
Backend settings name *
default
Backend protocol
HTTP
HTTPS
Backend port *
80
Additional settings
Cookie-based affinity
Enable
Disable
Connection draining
Enable
Disable
Request time-out (seconds) *
20
Override backend path
Host name
By default, the Application Gateway sends the same HTTP host header to the backend as it receives from the client. If your backend application/service requires a specific host value, you can override it using this setting.
Override with new host name
Yes
No
Create custom probes
Previous
Next : Tags >
Add
Cancel
29°C
Mostly cloudy
Search
00:11
04-08-2023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Frontends
Backends
Configuration
Tags
Review + create
Create routing rules that link your frontend(s) and backend(s). You can also add more backend pools, add a second frontend IP configuration
Frontends
+ Add a frontend IP
Public: (new) apg1ip1
Routin
Add a
Add a routing rule
Configure a routing rule to send traffic from a given frontend IP address to one or more backend targets. A routing rule must contain a listener and at least one backend target.
Rule name *
rule1
Priority *
1
*Listener
*Backend targets
Choose a backend pool to which this routing rule will send traffic. You will also need to specify a set of Backend settings that define the behavior of the routing rule.
Target type
Backend pool
Redirection
Backend target *
pool2
Add new
Backend settings *
default
Add new
Path-based routing
You can route traffic from this rule's listener to different backend targets based on the URL path of the request. You can also apply a different set of Backend settings based on the URL path.
Path based rules
Path
Target name
Backend setting name
Backend pool
No additional targets to display
Add multiple targets to create a path-based rule
Previous
Next : Tags >
Add
Cancel
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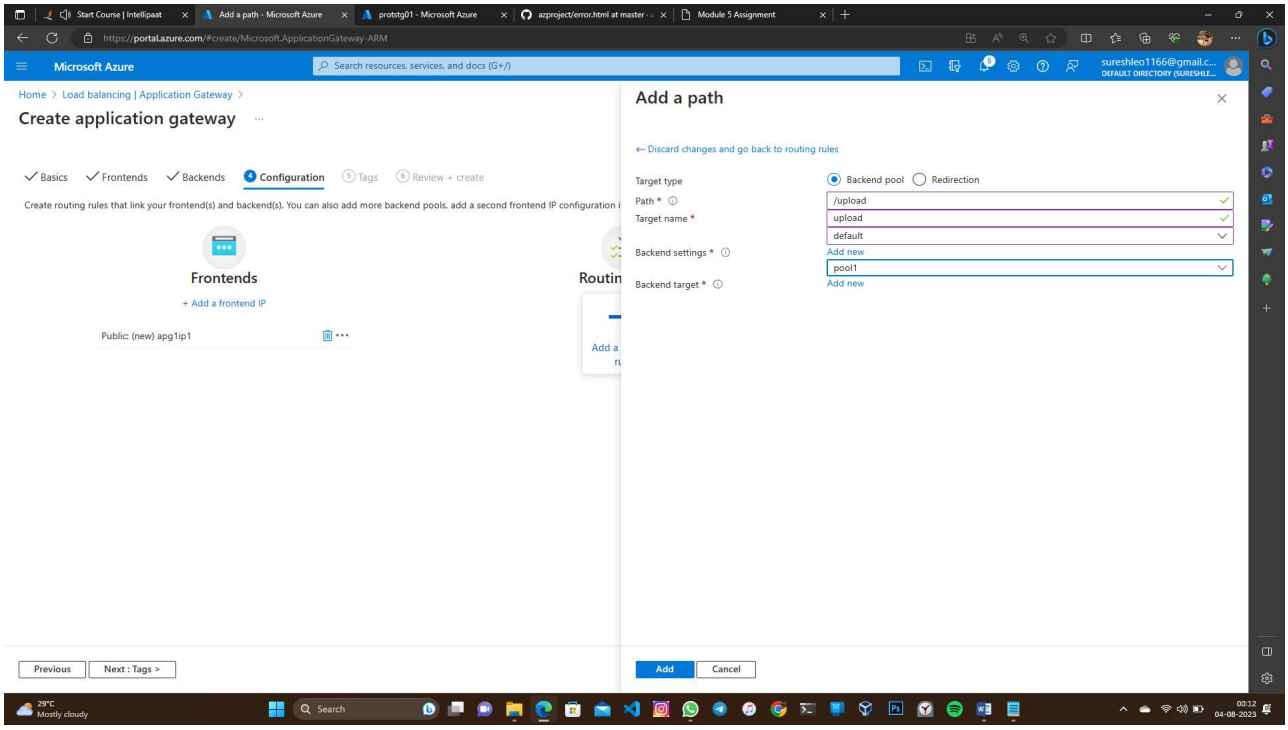
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Configuration
Tags
Review + create
Create routing rules that link your frontend(s) and backend(s). You can also add more backend pools, add a second frontend IP configuration
Frontends
+ Add a frontend IP
Public: (new) apg1ip1
Routin
Add a
Add a path
← Discard changes and go back to routing rules
Target type
Backend pool
Redirection
Path *
/upload
Target name *
upload
Backend settings *
default
Add new
Backend target *
pool1
Add new
Previous
Next : Tags >
Add
Cancel
29°C
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Search
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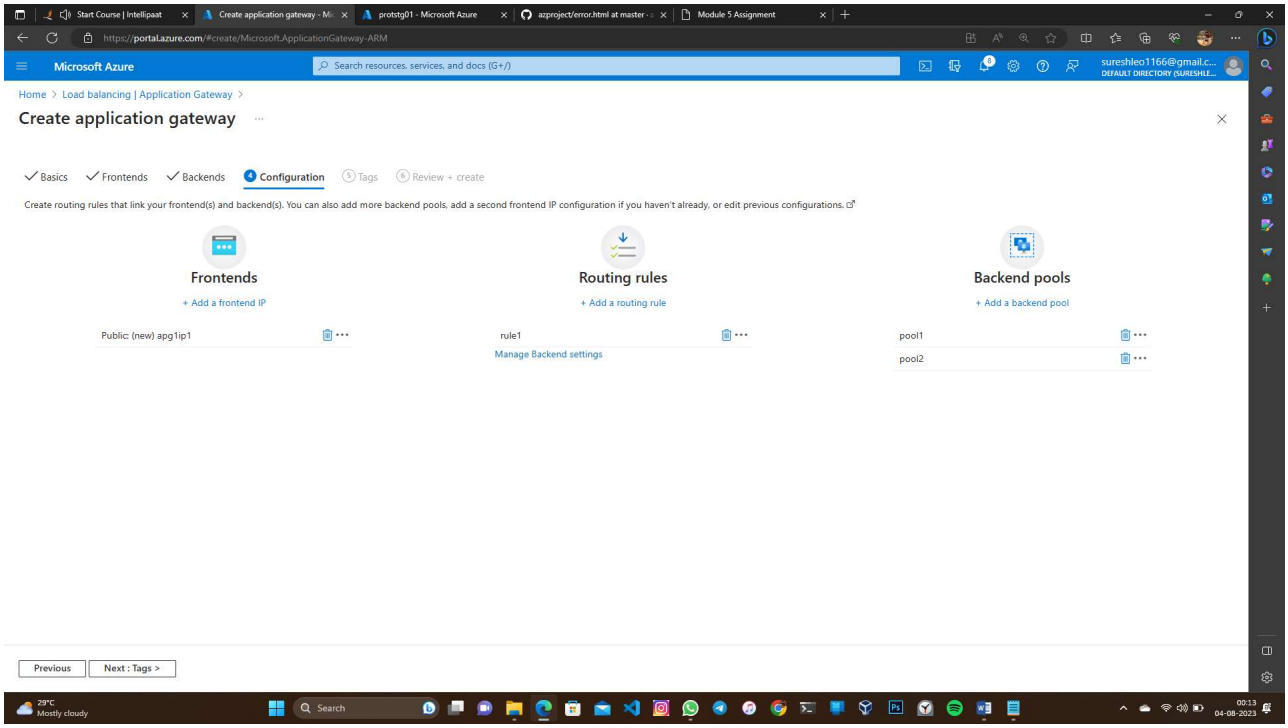
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Frontends
Backends
Configuration
Tags
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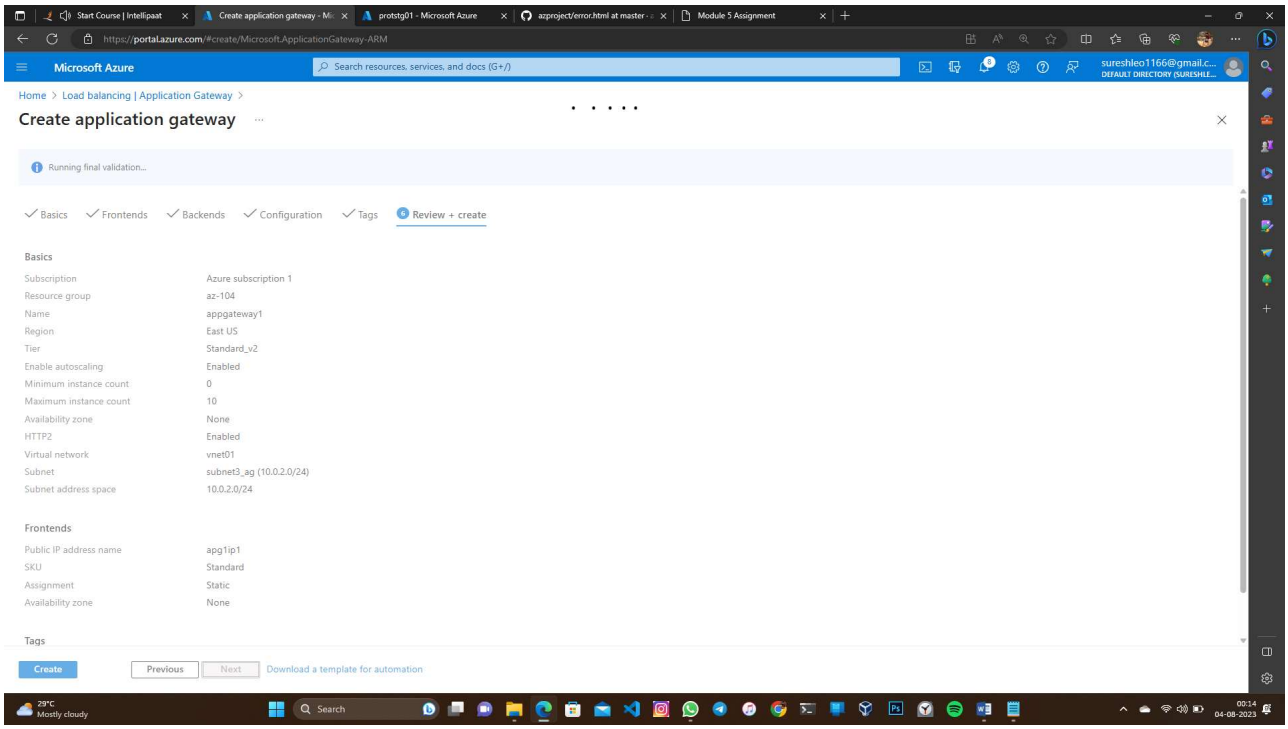
Create routing rules that link your frontend(s) and backend(s). You can also add more backend pools, add a second frontend IP configuration if you haven't already, or edit previous configurations.
Frontends
+ Add a frontend IP
Public: (new) apg1ip1
Routing rules
+ Add a routing rule
rule1
Manage Backend settings
Backend pools
+ Add a backend pool
pool1
pool2
Previous
Next : Tags >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Running final validation...
Basics
Frontends
Backends
Configuration
Tags
Review + create
Basics
Subscription Azure subscription 1
Resource group az-104
Name appgateway1
Region East US
Tier Standard_v2
Enable autoscaling Enabled
Minimum instance count 0
Maximum instance count 10
Availability zone None
HTTP2 Enabled
Virtual network vnet01
Subnet subnet3_ag (10.0.2.0/24)
Subnet address space 10.0.2.0/24
Frontends
Public IP address name apg1ip1
SKU Standard
Assignment Static
Availability zone None
Tags
Create
Previous
Next
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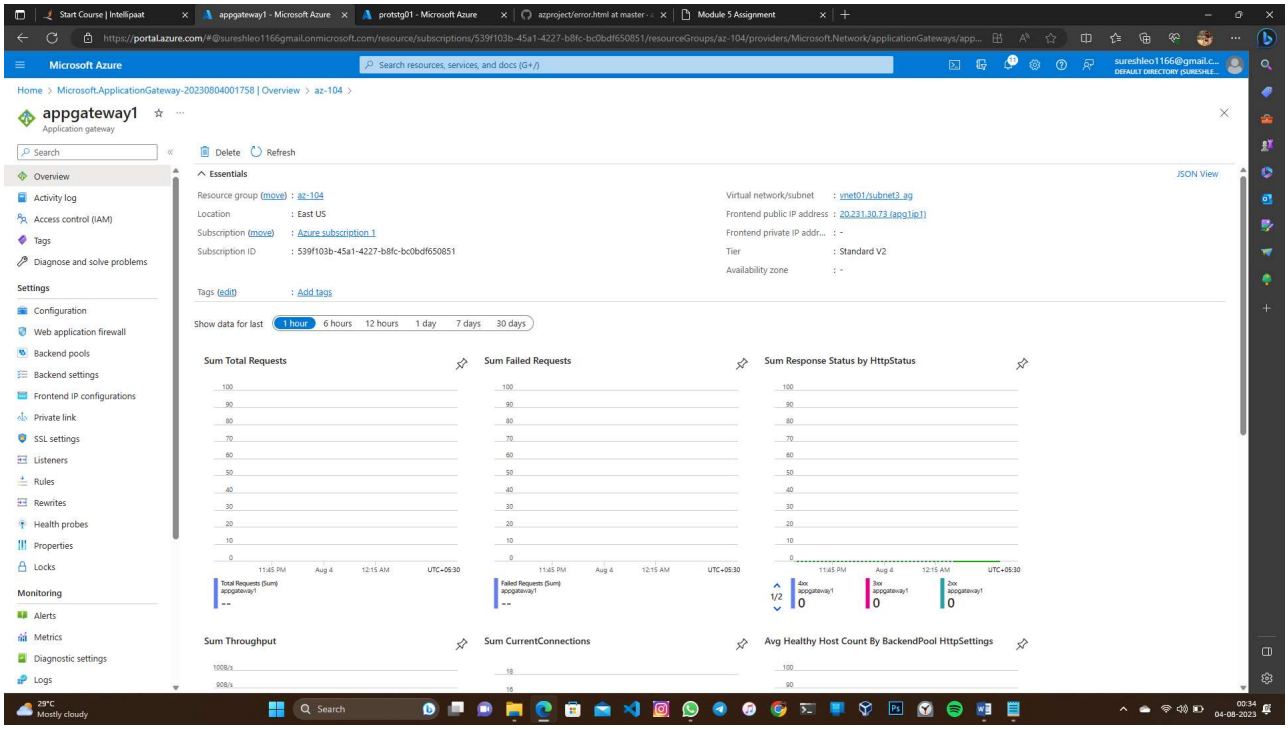
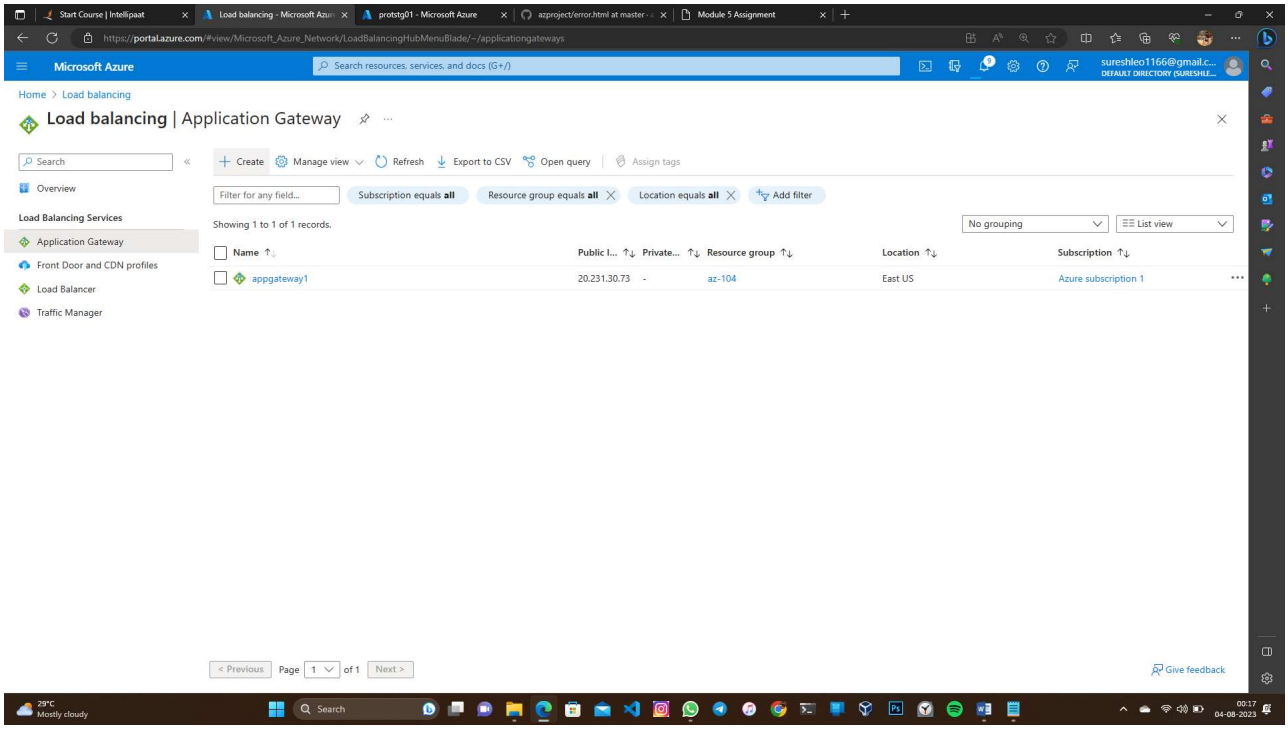
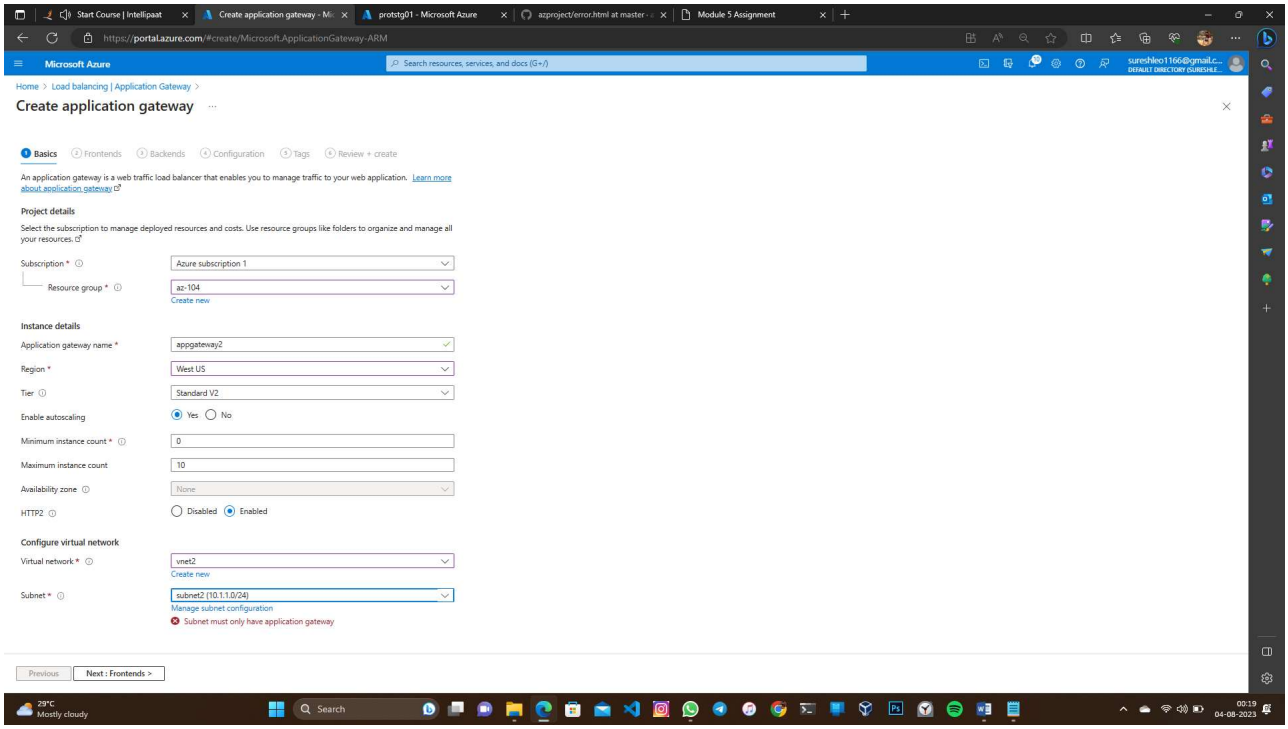
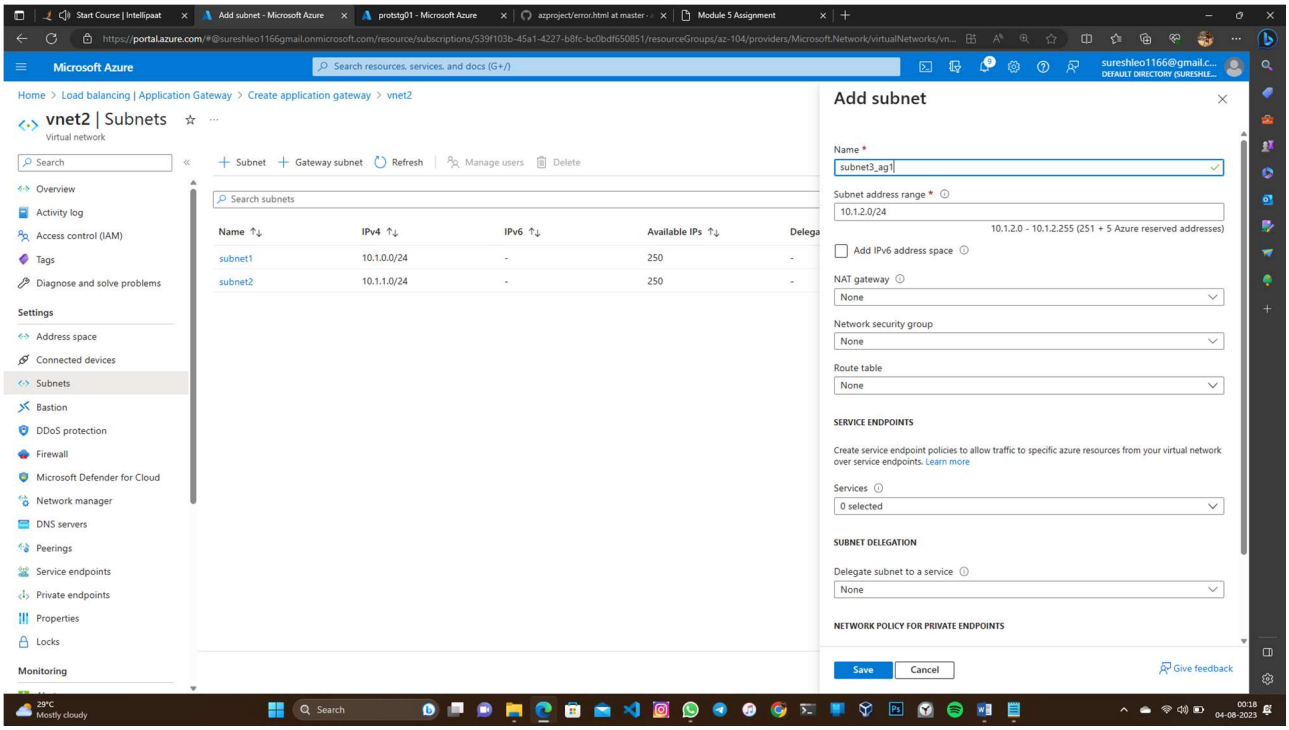
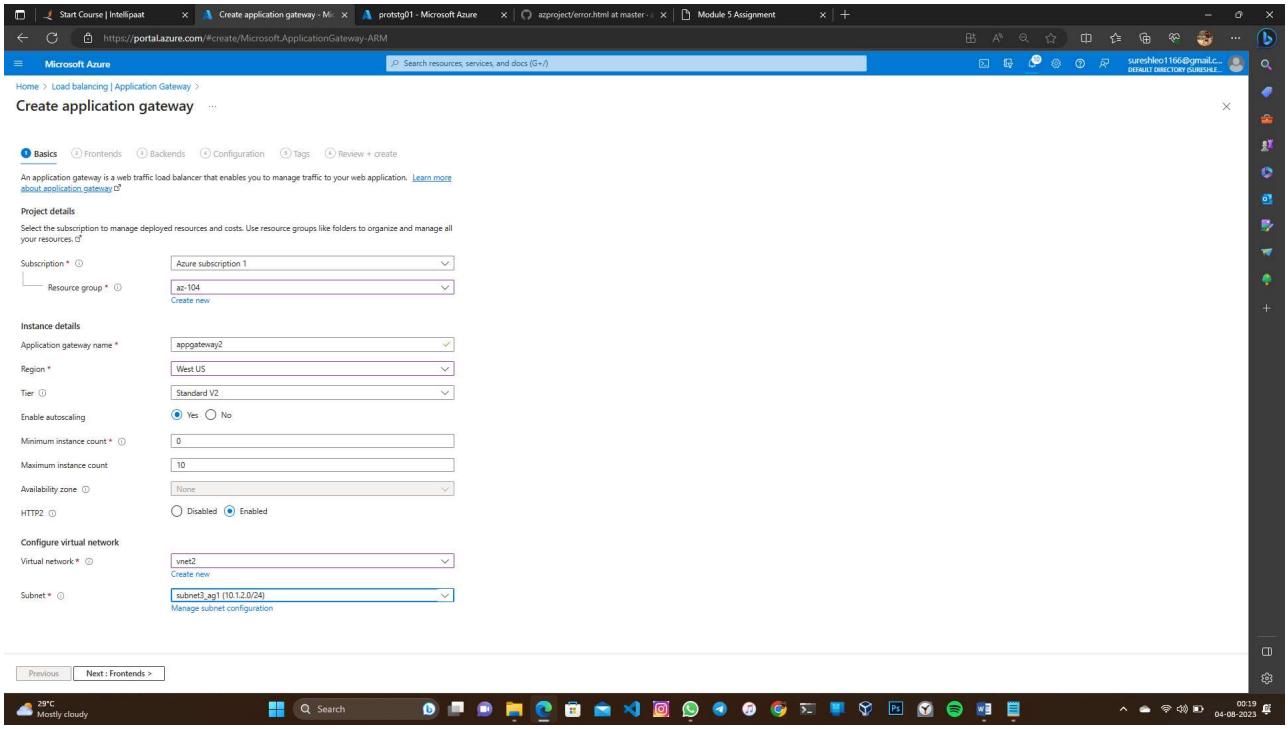


Create West US application gateway:




Create application gateway
Basics
Frontends
Backends
Configuration
Tags
Review + create
Project details
Subscription *
Azure subscription 1
Resource group *
az-104
Instance details
Application gateway name *
appgateway2
Region *
West US
Tier
Standard V2
Enable autoscaling
Yes
No
Minimum instance count *
0
Maximum instance count
10
Availability zone
None
HTTP2
Disabled
Enabled
Configure virtual network
Virtual network *
vnet2
Create new
Subnet *
subnet2 (10.1.1.0/24)
Manage subnet configuration
Subnet must only have application gateway
Previous
Next : Frontends >


vnet2 | Subnets
Virtual network
Add subnet
Name *
subnet3_ag1
Subnet address range *
10.1.2.0/24
10.1.2.0 - 10.1.2.255 (251 + 5 Azure reserved addresses)
Add IPv6 address space
NAT gateway
None
Network security group
None
Route table
None
SERVICE ENDPOINTS
Create service endpoint policies to allow traffic to specific azure resources from your virtual network over service endpoints. Learn more
Services
0 selected
SUBNET DELEGATION
Delegate subnet to a service
None
NETWORK POLICY FOR PRIVATE ENDPOINTS
Save
Cancel
Give feedback
Subnet
Gateway subnet
Refresh
Manage users
Delete
Search subnets
Name
IPv4
IPv6
Available IPs
subnet1
10.1.0.0/24
250
subnet2
10.1.1.0/24
250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Backends
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Tags
Review + create
An application gateway is a web traffic load balancer that enables you to manage traffic to your web application. Learn more about 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 *
Azure subscription 1
Resource group *
az-104
Create new
Instance details
Application gateway name *
appgateway2
Region *
West US
Tier
Standard V2
Enable autoscaling
Yes
No
Minimum instance count *
0
Maximum instance count
10
Availability zone
None
HTTP2
Disabled
Enabled
Configure virtual network
Virtual network *
vnet2
Create new
Subnet *
subnet3_ag1 (10.1.2.0/24)
Manage subnet configuration
Previous
Next : Frontends >
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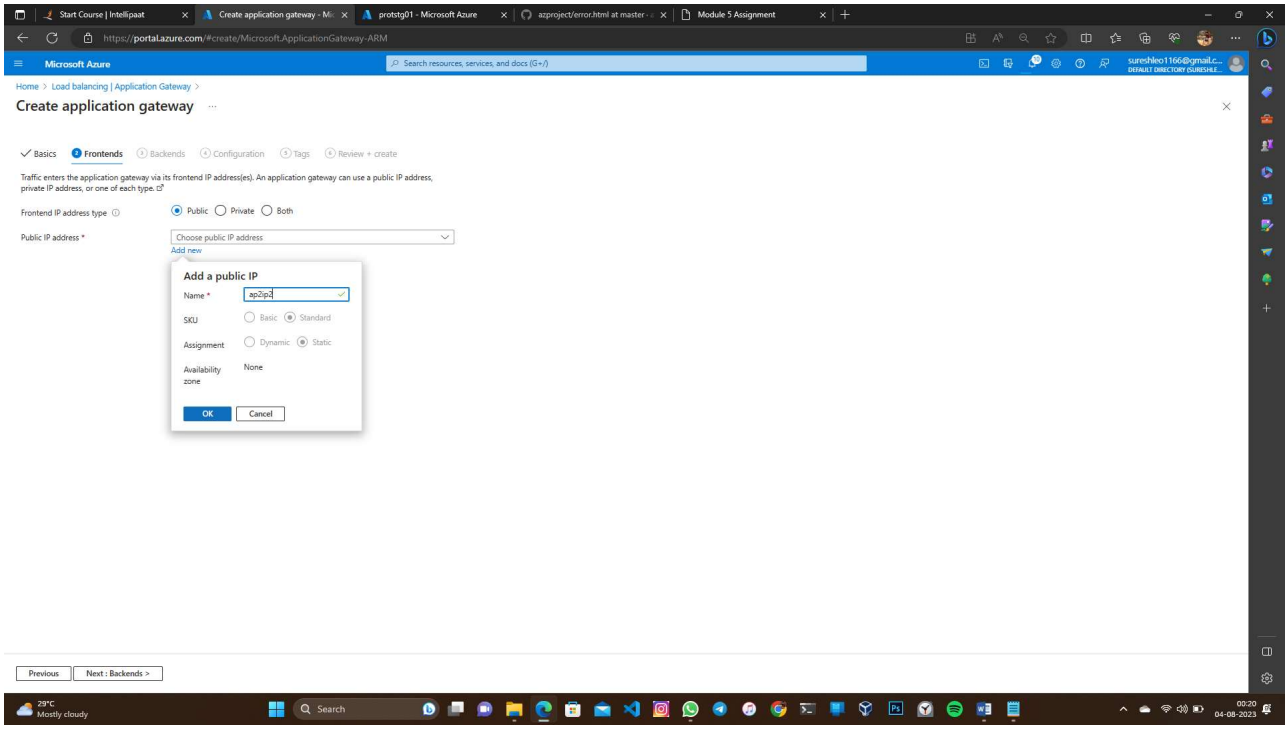
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Basics
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Configuration
Tags
Review + create
Traffic enters the application gateway via its frontend IP address(es). An application gateway can use a public IP address, private IP address, or one of each type.
Frontend IP address type
Public
Private
Both
Public IP address *
Choose public IP address
Add new
Add a public IP
Name *
ap2ip2
SKU
Basic
Standard
Assignment
Dynamic
Static
Availability zone
None
OK
Cancel
Previous
Next : Backends >
29°C
Mostly cloudy
Search
00:20
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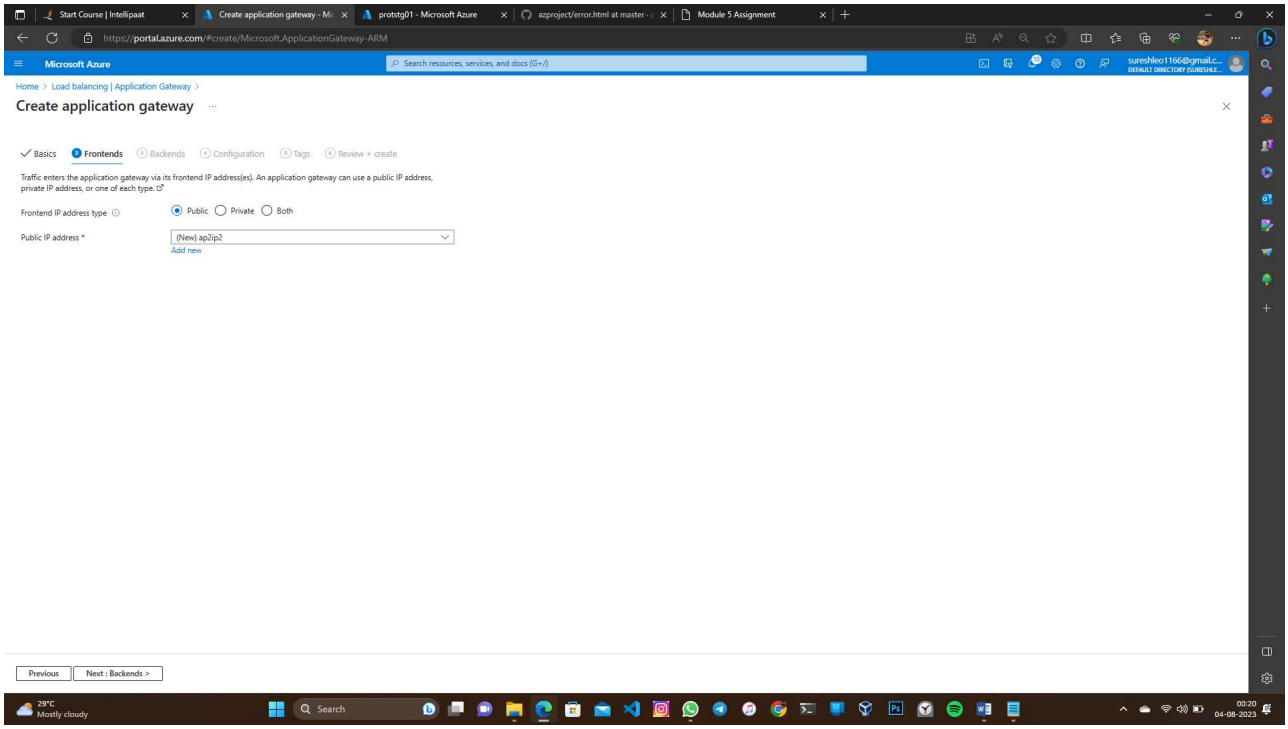
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Basics
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Configuration
Tags
Review + create
Traffic enters the application gateway via its frontend IP address(es). An application gateway can use a public IP address, private IP address, or one of each type.
Frontend IP address type
Public
Private
Both
Public IP address *
(New) ap2ip2
Add new
Previous
Next : Backends >
29°C
Mostly cloudy
Search
00:20
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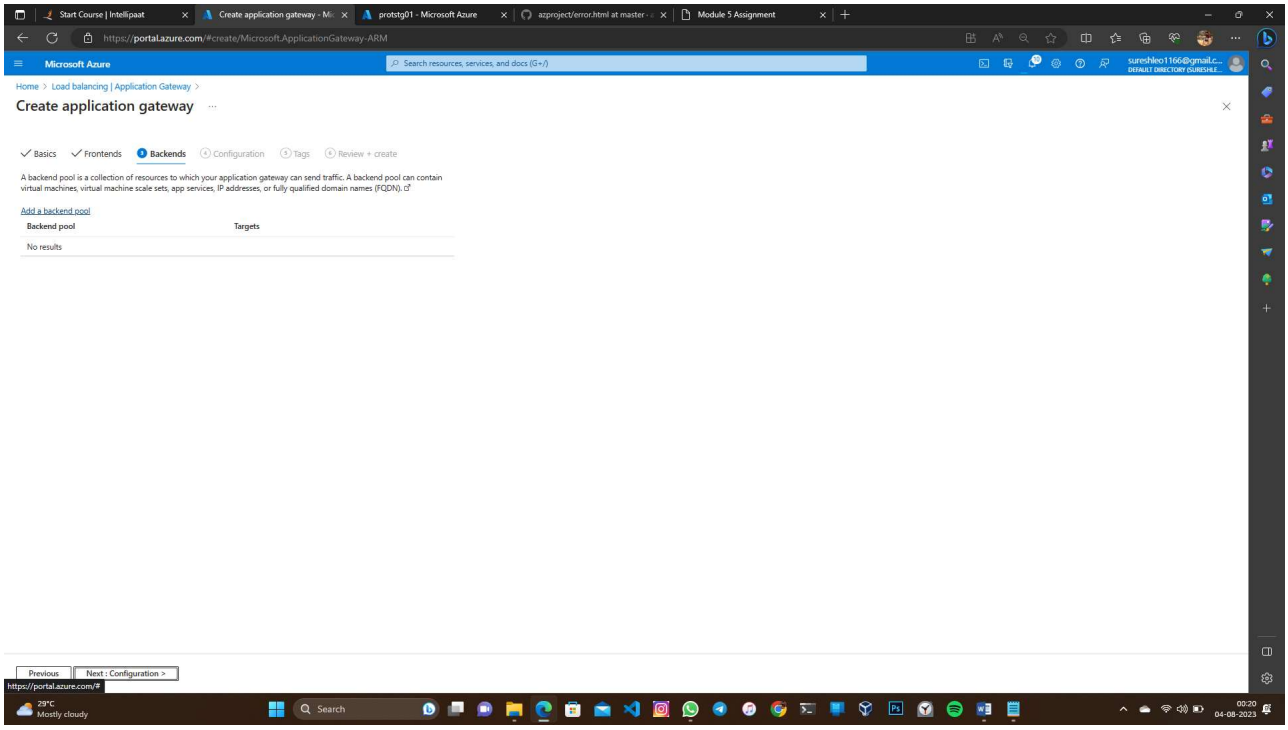
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Create application gateway
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Frontends
Backends
Configuration
Tags
Review + create
A backend pool is a collection of resources to which your application gateway can send traffic. A backend pool can contain virtual machines, virtual machine scale sets, app services, IP addresses, or fully qualified domain names (FQDN).
Add a backend pool
Backend pool
Targets
No results
Previous
Next : Configuration >
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Search
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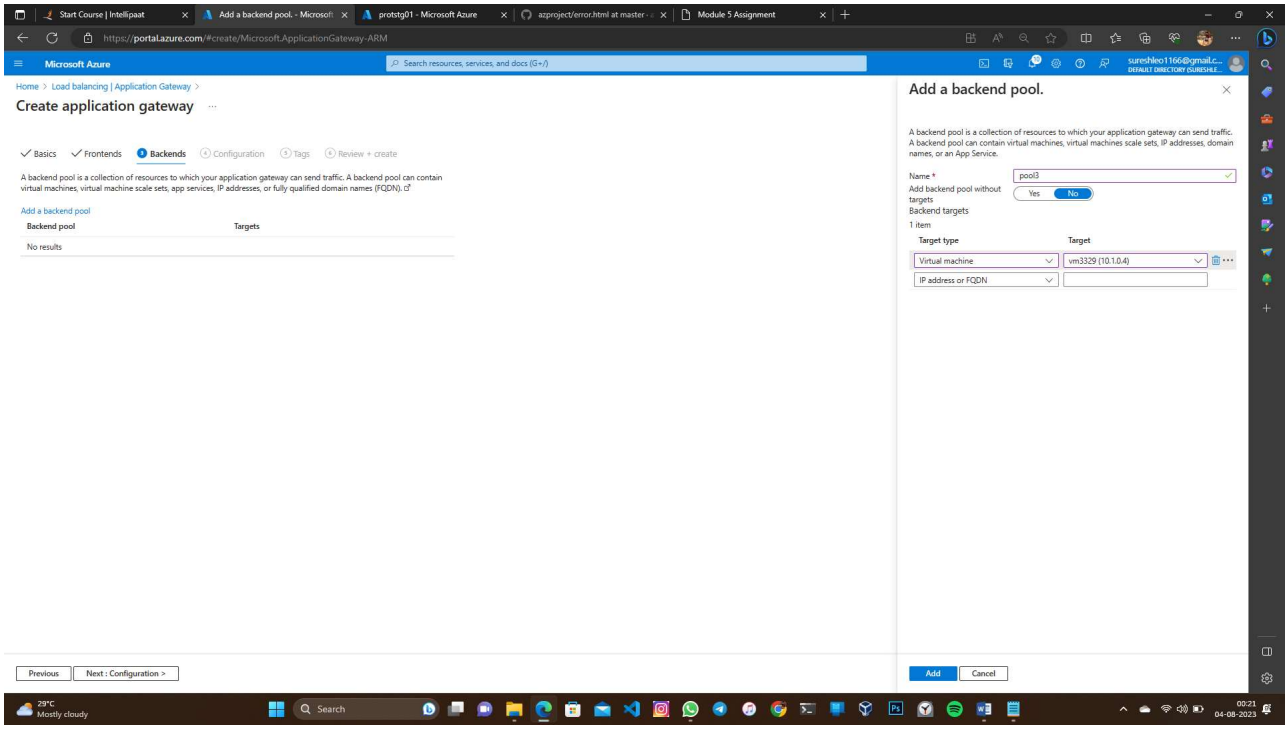
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Backends
Configuration
Tags
Review + create
A backend pool is a collection of resources to which your application gateway can send traffic. A backend pool can contain virtual machines, virtual machine scale sets, app services, IP addresses, or fully qualified domain names (FQDN).
Add a backend pool
Backend pool
Targets
No results
Add a backend pool.
A backend pool is a collection of resources to which your application gateway can send traffic. A backend pool can contain virtual machines, virtual machines scale sets, IP addresses, domain names, or an App Service.
Name *
pool3
Add backend pool without targets
Yes
No
Backend targets
1 item
Target type
Target
Virtual machine
vm3329 (10.1.0.4)
IP address or FQDN
Previous
Next : Configuration >
Add
Cancel
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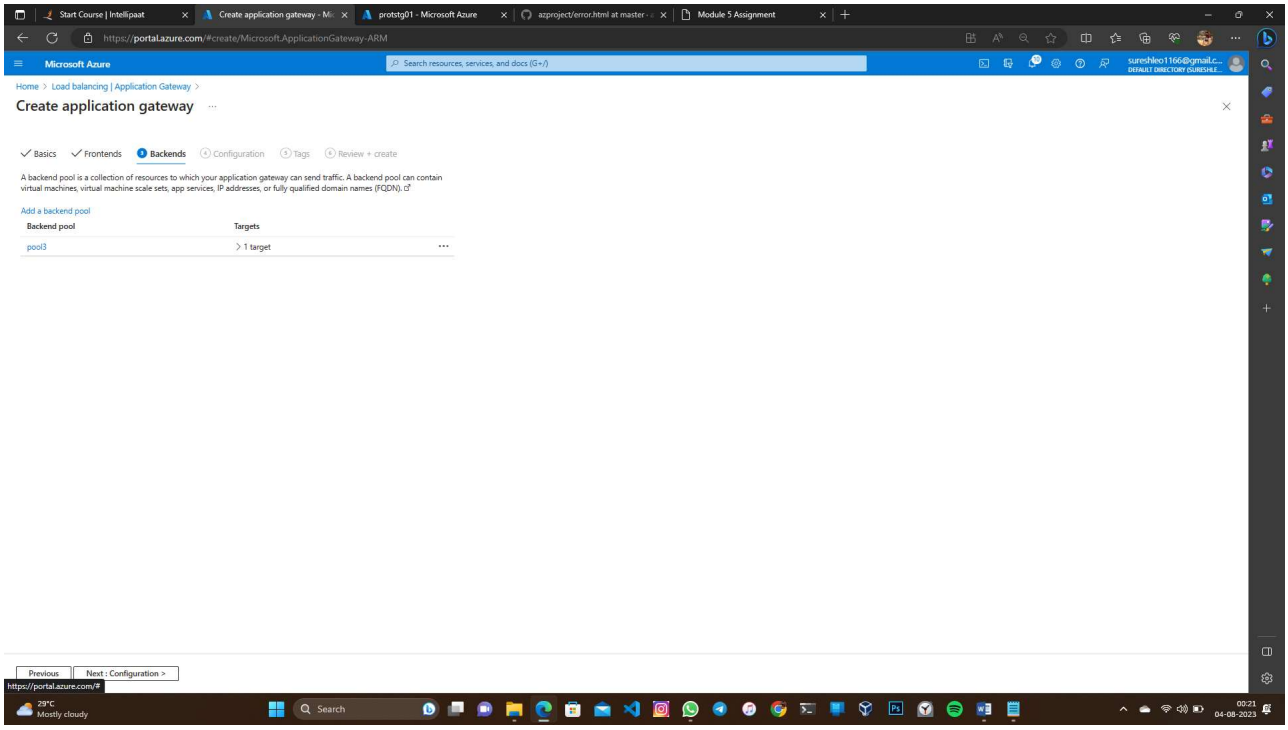
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Backends
Configuration
Tags
Review + create
A backend pool is a collection of resources to which your application gateway can send traffic. A backend pool can contain virtual machines, virtual machine scale sets, app services, IP addresses, or fully qualified domain names (FQDN).
Add a backend pool
Backend pool
Targets
pool3
1 target
Previous
Next : Configuration >
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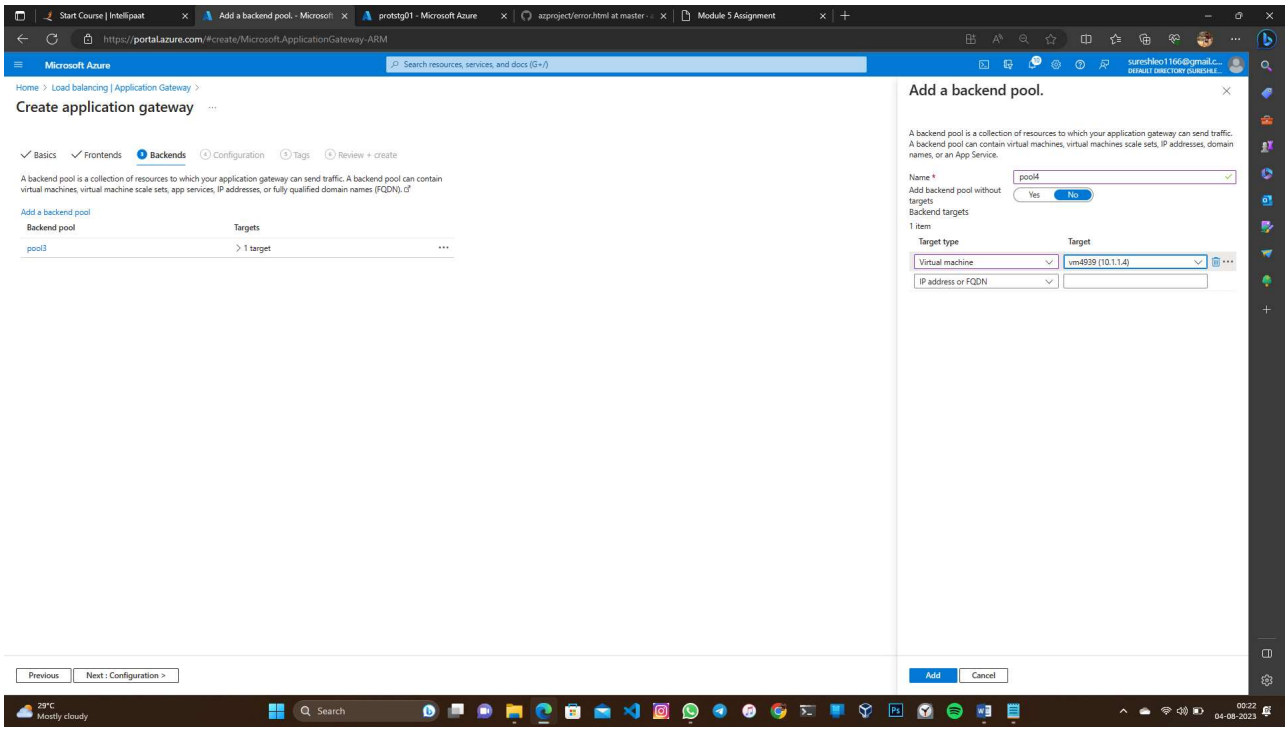
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Backends
Configuration
Tags
Review + create
A backend pool is a collection of resources to which your application gateway can send traffic. A backend pool can contain virtual machines, virtual machine scale sets, app services, IP addresses, or fully qualified domain names (FQDN).
Add a backend pool
Backend pool
Targets
pool3
1 target
Add a backend pool.
A backend pool is a collection of resources to which your application gateway can send traffic. A backend pool can contain virtual machines, virtual machines scale sets, IP addresses, domain names, or an App Service.
Name *
pool4
Add backend pool without targets
Yes
No
Backend targets
1 item
Target type
Target
Virtual machine
vm4939 (10.1.1.4)
IP address or FQDN
Previous
Next : Configuration >
Add
Cancel
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Search
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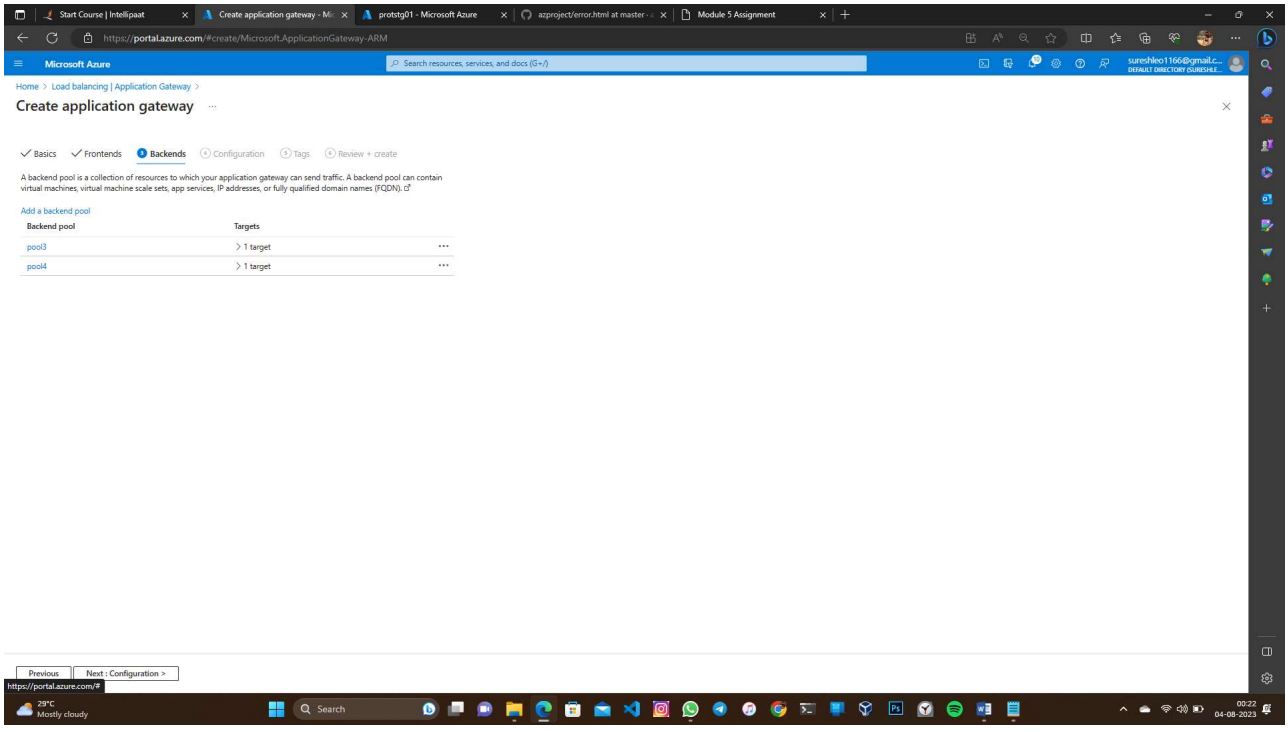
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Tags
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A backend pool is a collection of resources to which your application gateway can send traffic. A backend pool can contain virtual machines, virtual machine scale sets, app services, IP addresses, or fully qualified domain names (FQDN).
Add a backend pool
Backend pool
Targets
pool3
1 target
pool4
1 target
Previous
Next : Configuration >
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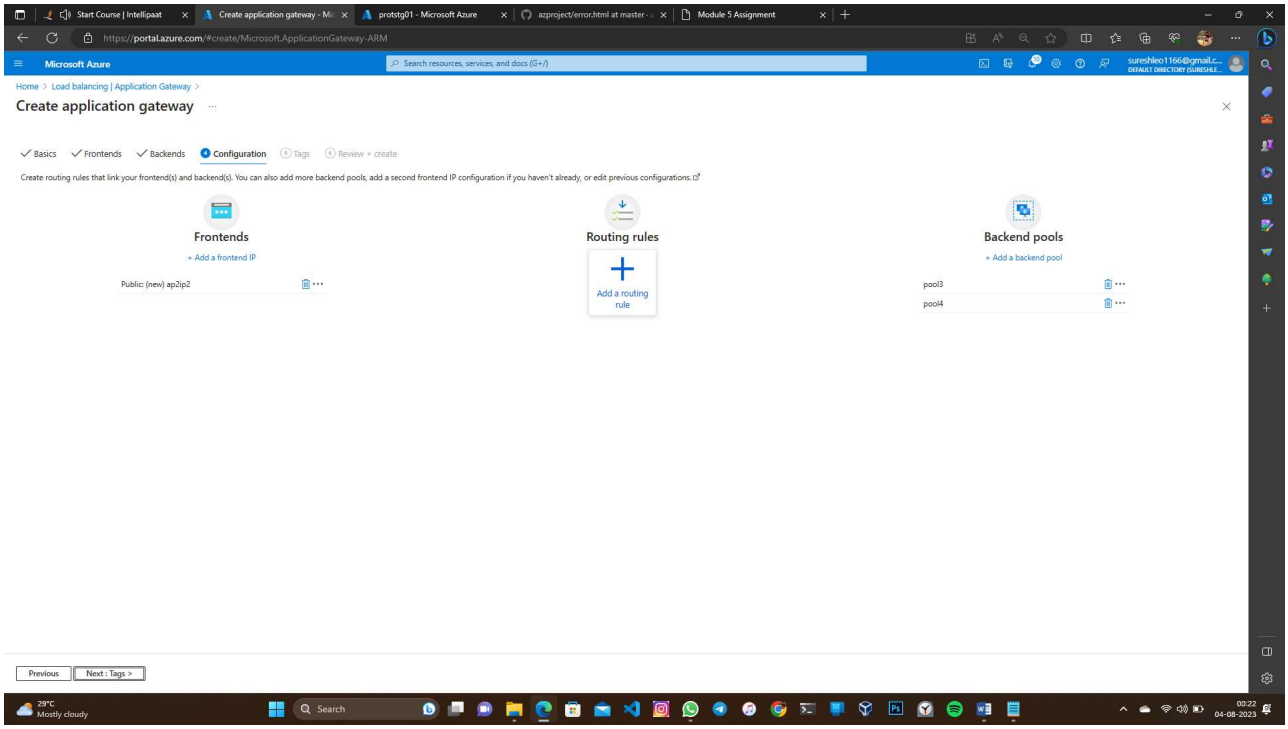
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Frontends
Backends
Configuration
Tags
Review + create
Create routing rules that link your frontend(s) and backend(s). You can also add more backend pools, add a second frontend IP configuration if you haven't already, or edit previous configurations.
Frontends
+ Add a frontend IP
Public: (new) ap2ip2
Routing rules
Add a routing rule
Backend pools
+ Add a backend pool
pool3
pool4
Previous
Next : Tags >
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Mostly cloudy
Search
00:22
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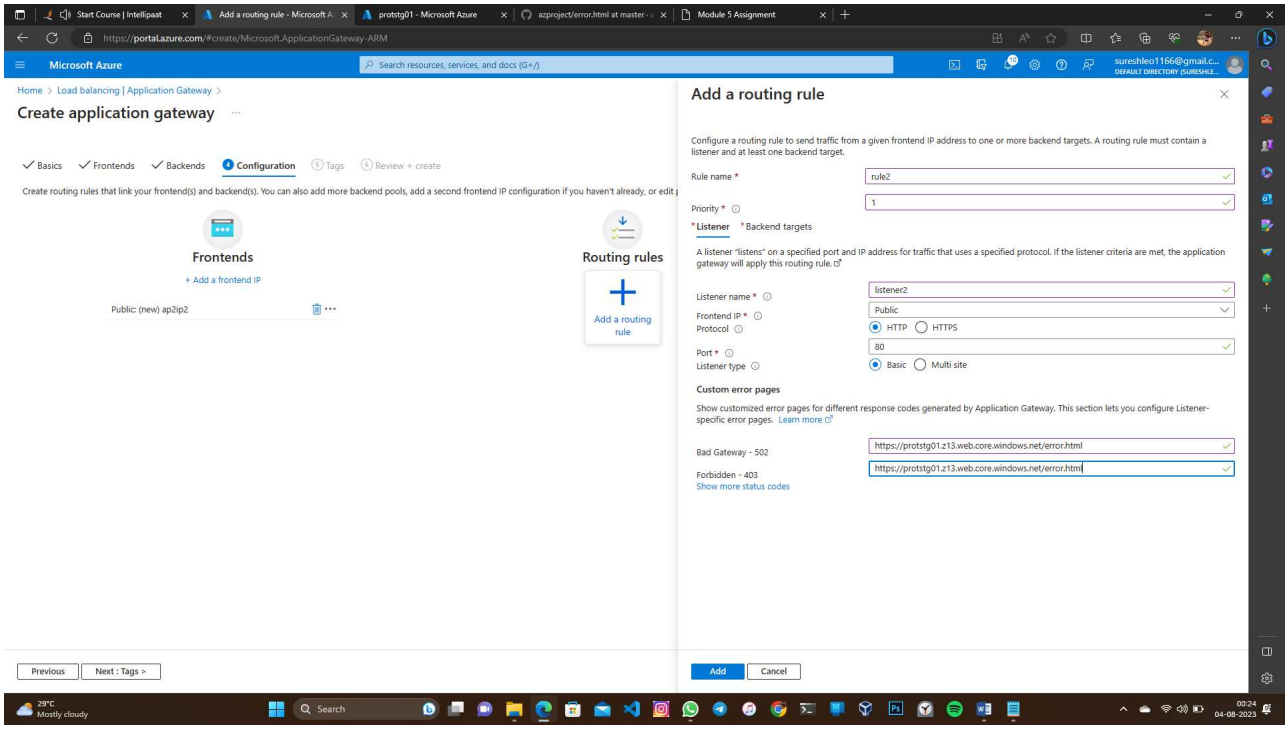
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Basics
Frontends
Backends
Configuration
Tags
Review + create
Create routing rules that link your frontend(s) and backend(s). You can also add more backend pools, add a second frontend IP configuration if you haven't already, or edit
Frontends
+ Add a frontend IP
Public: (new) ap2ip2
Routing rules
Add a routing rule
Add a routing rule
Configure a routing rule to send traffic from a given frontend IP address to one or more backend targets. A routing rule must contain a listener and at least one backend target.
Rule name *
rule2
Priority *
1
*Listener
*Backend targets
A listener "listens" on a specified port and IP address for traffic that uses a specified protocol. If the listener criteria are met, the application gateway will apply this routing rule.
Listener name *
listener2
Frontend IP *
Public
Protocol
HTTP
HTTPS
Port *
80
Listener type
Basic
Multi site
Custom error pages
Show customized error pages for different response codes generated by Application Gateway. This section lets you configure Listener-specific error pages. Learn more
Bad Gateway - 502
https://protstg01.z13.web.core.windows.net/error.html
Forbidden - 403
https://protstg01.z13.web.core.windows.net/error.html
Show more status codes
Previous
Next : Tags >
Add
Cancel
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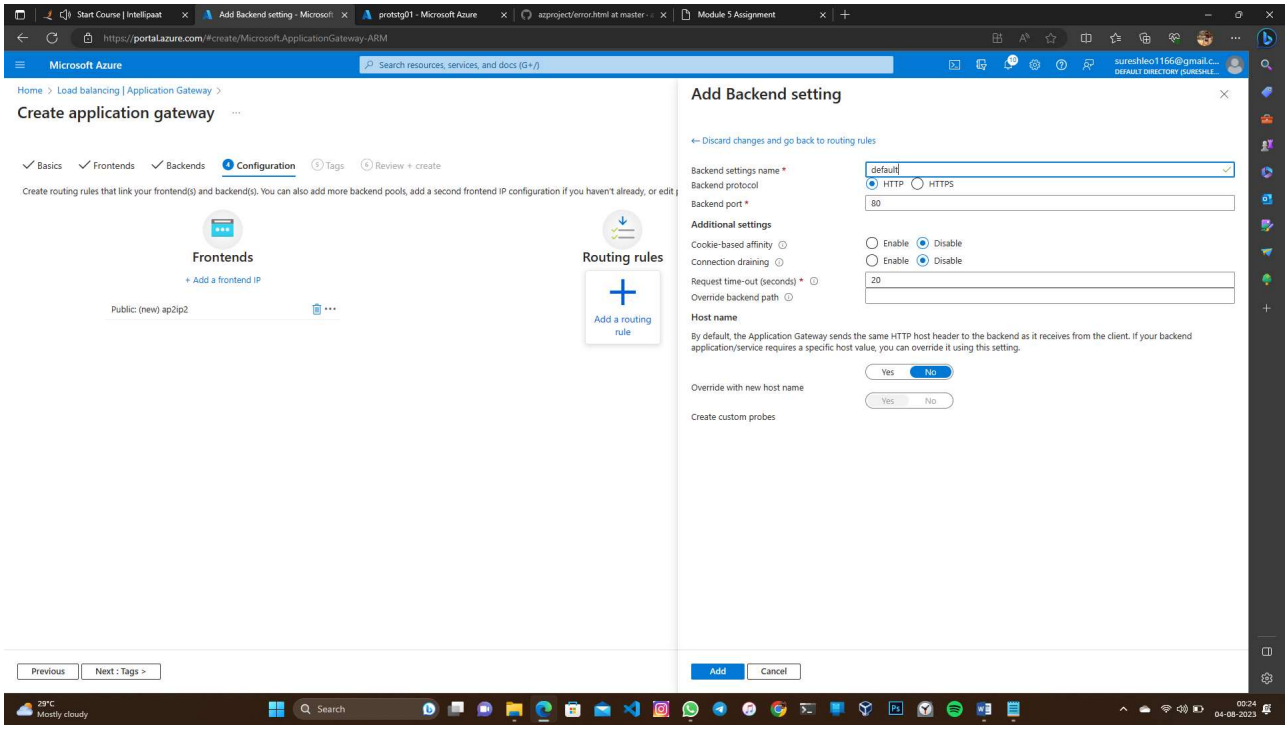
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Basics
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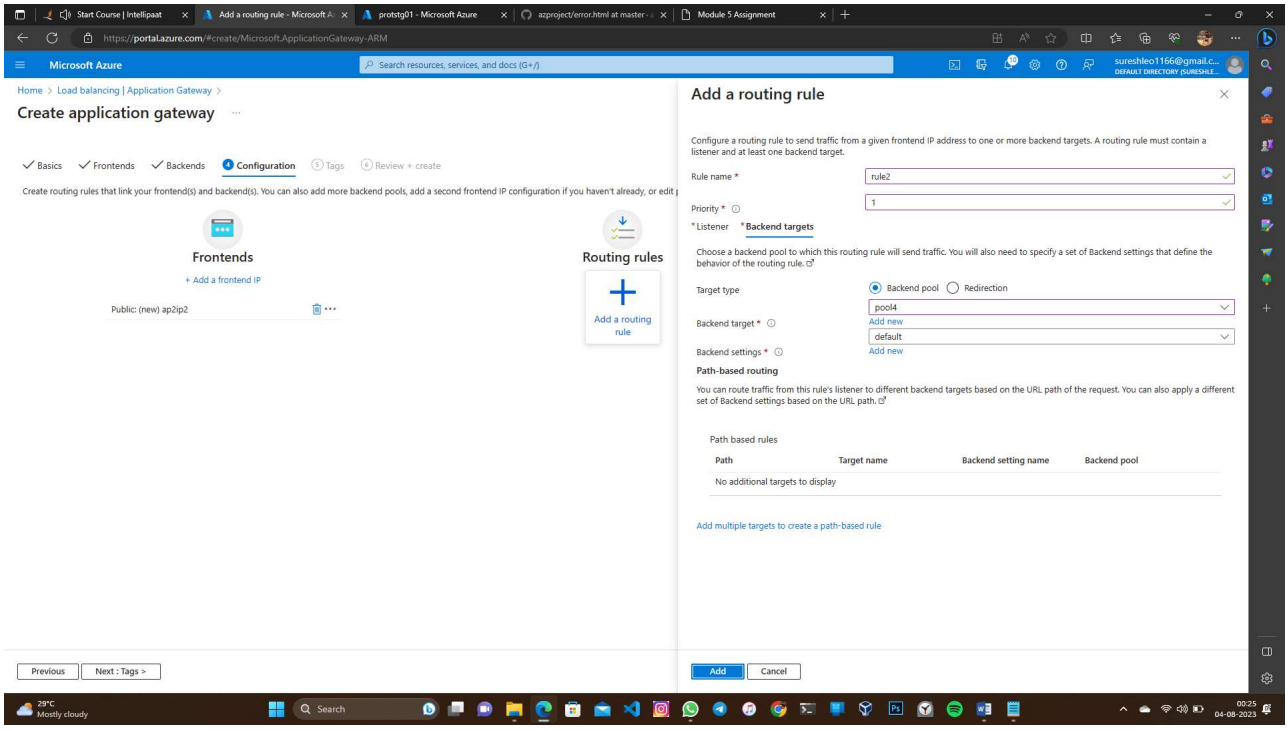
Backends
Configuration
Tags
Review + create
Create routing rules that link your frontend(s) and backend(s). You can also add more backend pools, add a second frontend IP configuration if you haven't already, or edit
Frontends
+ Add a frontend IP
Public: (new) ap2ip2
Routing rules
Add a routing rule
Previous
Next : Tags >
Add Backend setting
Discard changes and go back to routing rules
Backend settings name *
default
Backend protocol
HTTP
HTTPS
Backend port *
80
Additional settings
Cookie-based affinity
Enable
Disable
Connection draining
Enable
Disable
Request time-out (seconds) *
20
Override backend path
Host name
By default, the Application Gateway sends the same HTTP host header to the backend as it receives from the client. If your backend application/service requires a specific host value, you can override it using this setting.
Override with new host name
Yes
No
Create custom probes
Add
Cancel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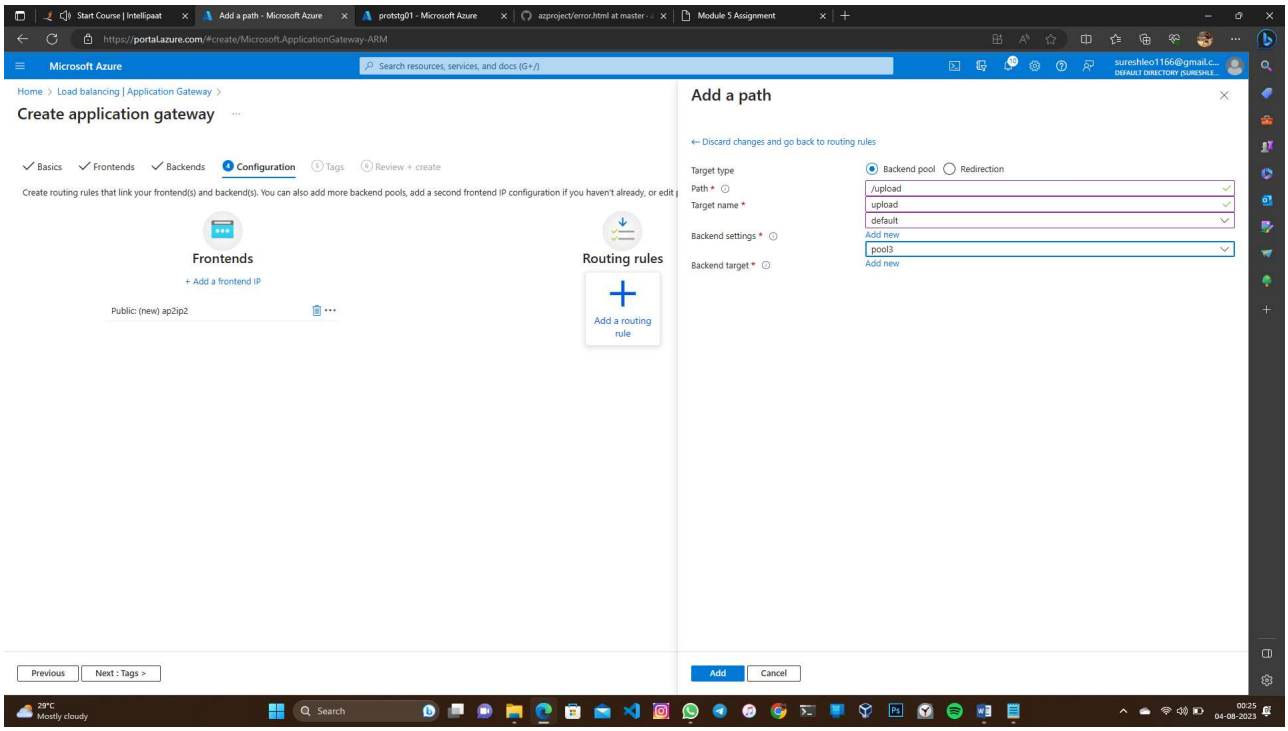
Backends
Configuration
Tags
Review + create
Create routing rules that link your frontend(s) and backend(s). You can also add more backend pools, add a second frontend IP configuration if you haven't already, or edit
Frontends
+ Add a frontend IP
Public: (new) ap2ip2
Routing rules
Add a routing rule
Previous
Next : Tags >
Add a routing rule
Configure a routing rule to send traffic from a given frontend IP address to one or more backend targets. A routing rule must contain a listener and at least one backend target.
Rule name *
rule2
Priority *
1
* Listener
* Backend targets
Choose a backend pool to which this routing rule will send traffic. You will also need to specify a set of Backend settings that define the behavior of the routing rule.
Target type
Backend pool
Redirection
pool4
Add new
Backend target *
default
Add new
Backend settings *
Path-based routing
You can route traffic from this rule's listener to different backend targets based on the URL path of the request. You can also apply a different set of Backend settings based on the URL path.
Path based rules
Path
Target name
Backend setting name
Backend pool
No additional targets to display
Add multiple targets to create a path-based rule
Add
Cancel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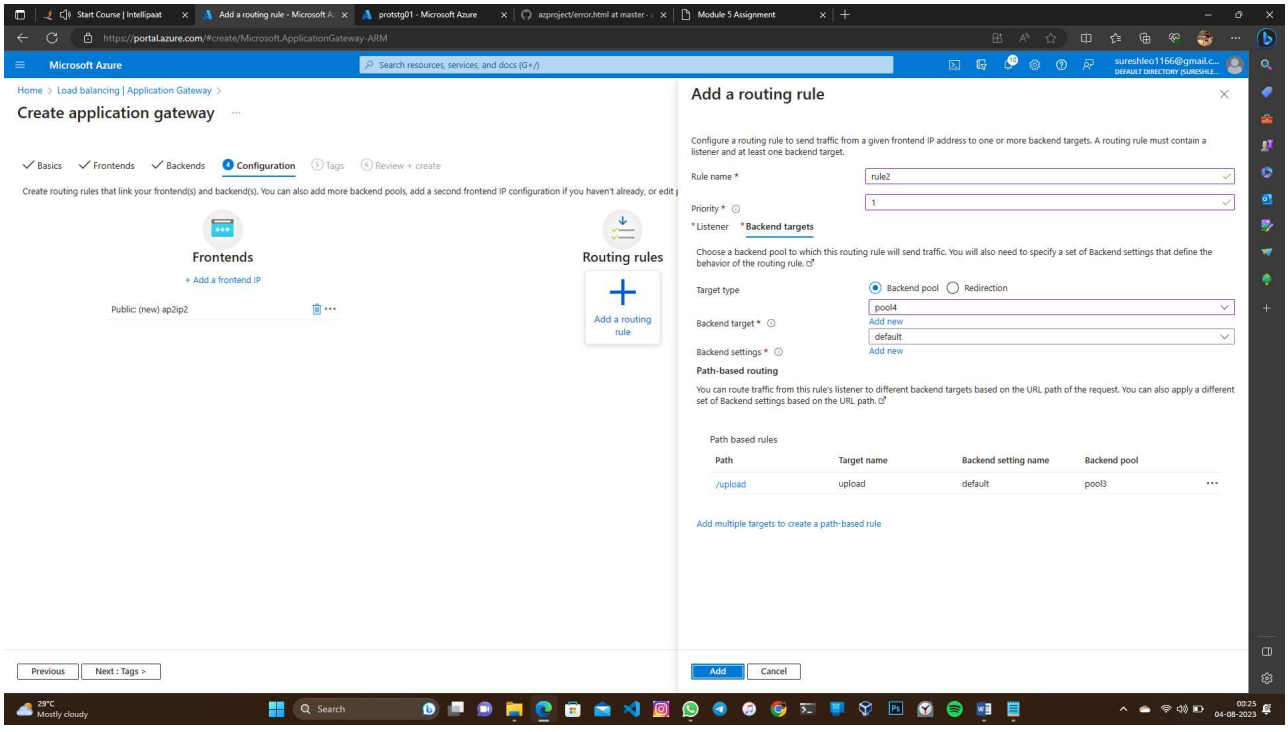
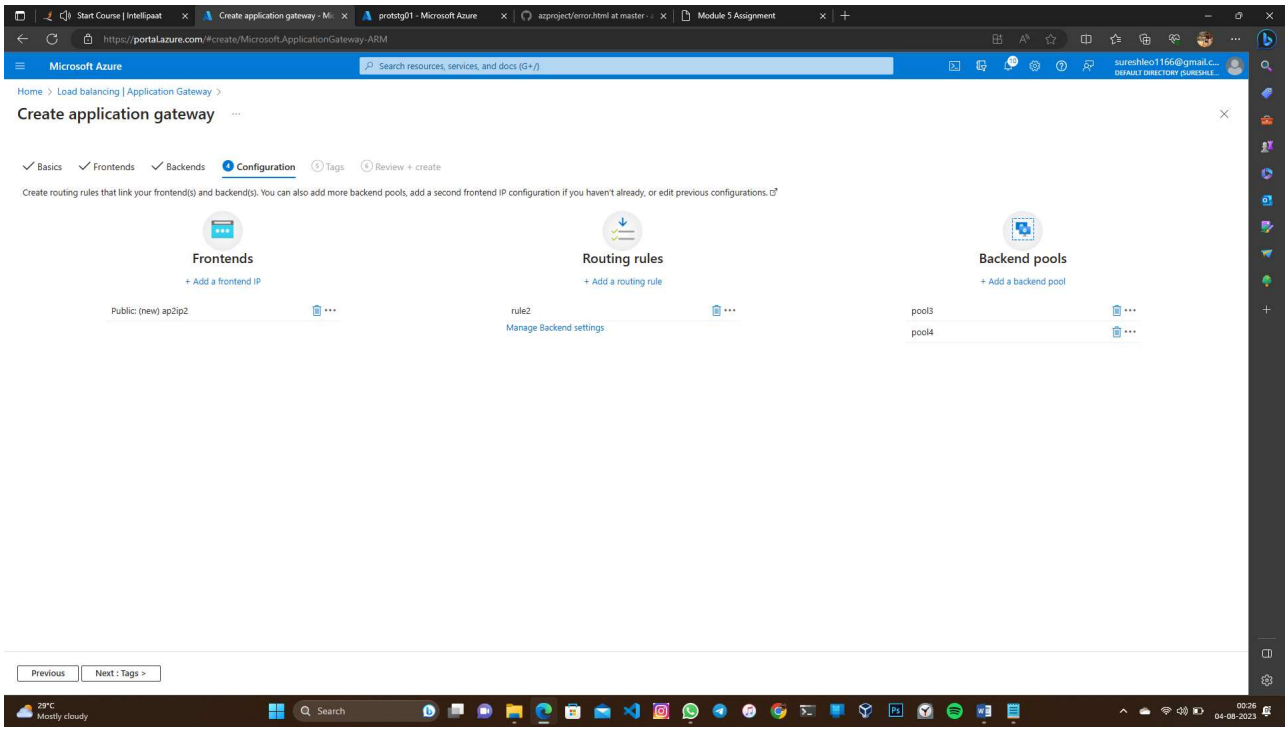
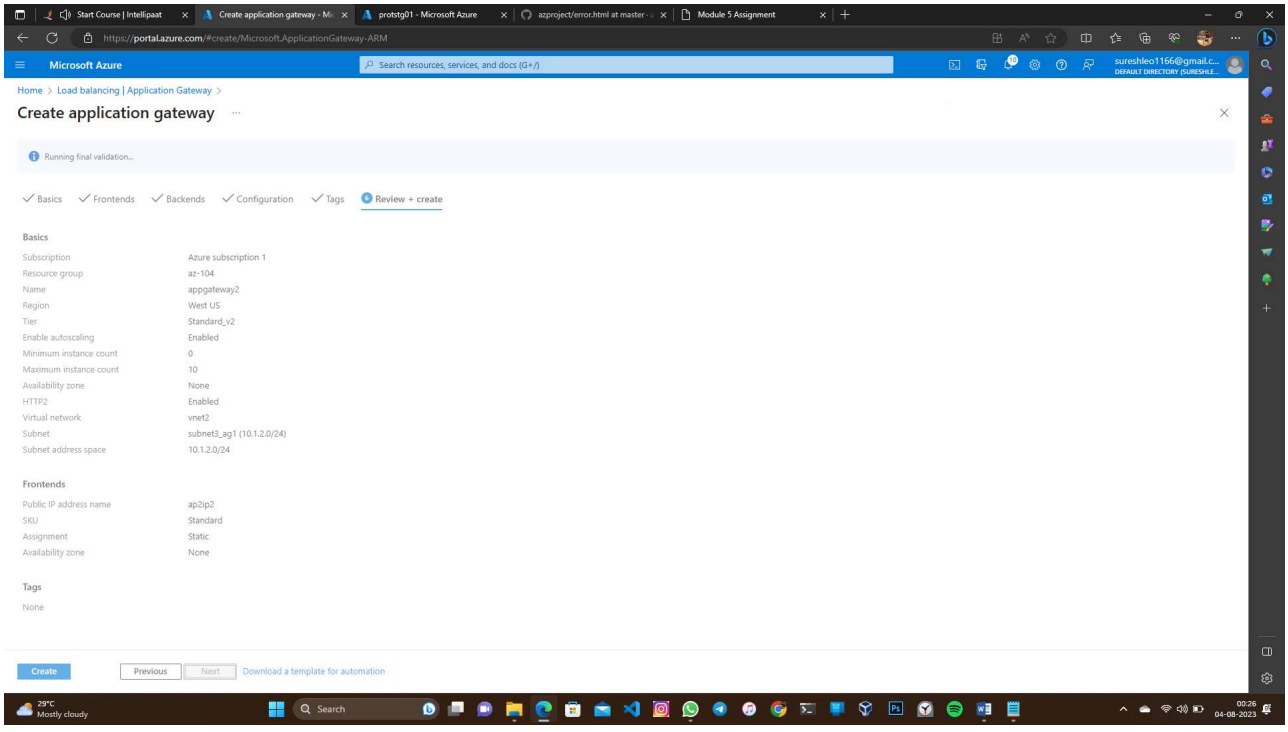
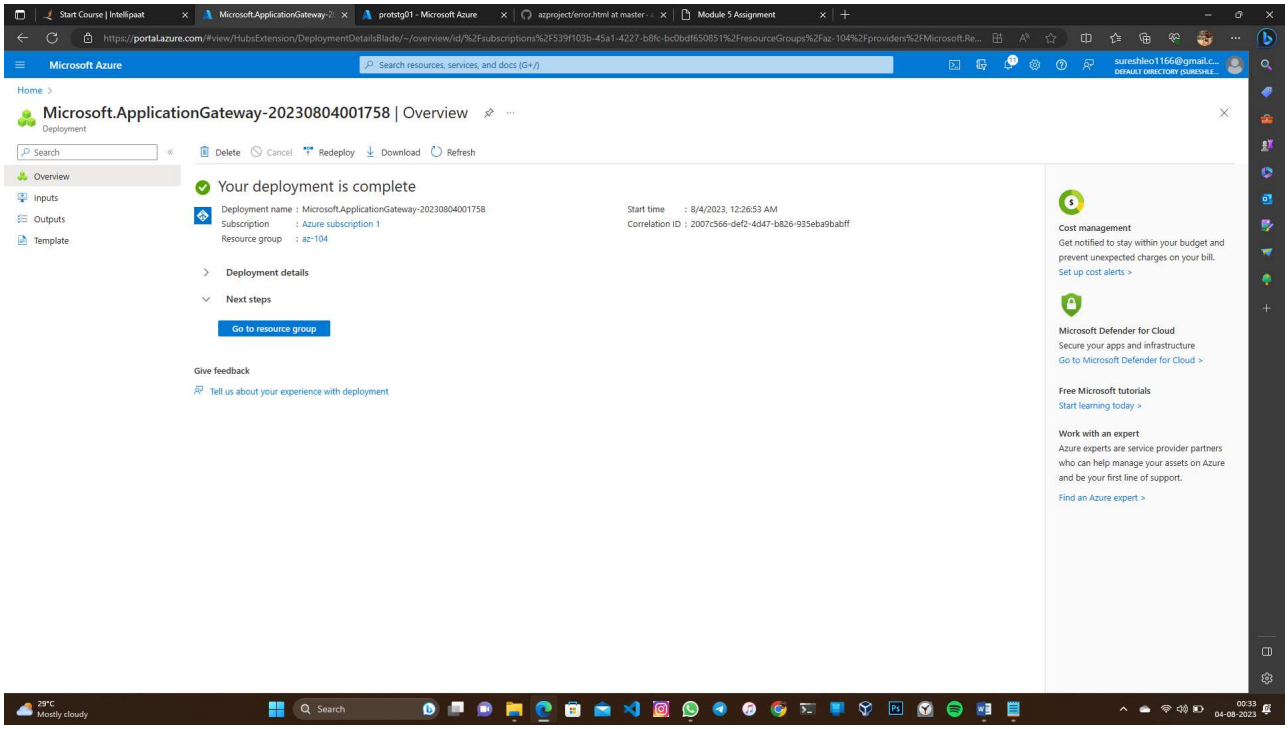
Configuration
Tags
Review + create
Create routing rules that link your frontend(s) and backend(s). You can also add more backend pools, add a second frontend IP configuration if you haven't already, or edit
Frontends
+ Add a frontend IP
Public: (new) ap2ip2
Routing rules
Add a routing rule
Add a path
Discard changes and go back to routing rules
Target type
Backend pool
Redirection
Path *
/upload
Target name *
upload
Backend settings *
default
Add new
Backend target *
pool3
Add new
Previous
Next : Tags >
Add
Cancel
29°C
Mostly cloudy
Search
00:25
04-08-2023


Start Course | Intellipaat
Add a routing rule - Microsoft A
protstg01 - Microsoft Azure
azproject/error.html at master
Module 5 Assignment
https://portal.azure.com/#create/Microsoft.ApplicationGateway-ARM
Microsoft Azure
Search resources, services, and docs (G+/)
sureshleo1166@gmail.c...
DEFAULT DIRECTORY (SURESHLE...
Home > Load balancing | Application Gateway >
Create application gateway
Basics
Frontends
Backends
Configuration
Tags
Review + create
Create routing rules that link your frontend(s) and backend(s). You can also add more backend pools, add a second frontend IP configuration if you haven't already, or edit
Frontends
+ Add a frontend IP
Public: (new) ap2ip2
Routing rules
Add a routing rule
Add a routing rule
Configure a routing rule to send traffic from a given frontend IP address to one or more backend targets. A routing rule must contain a listener and at least one backend target.
Rule name *
rule2
Priority *
1
* Listener
* Backend targets
Choose a backend pool to which this routing rule will send traffic. You will also need to specify a set of Backend settings that define the behavior of the routing rule.
Target type
Backend pool
Redirection
Backend target *
pool4
Add new
Backend settings *
default
Add new
Path-based routing
You can route traffic from this rule's listener to different backend targets based on the URL path of the request. You can also apply a different set of Backend settings based on the URL path.
Path based rules
Path
Target name
Backend setting name
Backend pool
/upload
upload
default
pool3
Add multiple targets to create a path-based rule
Previous
Next : Tags >
Add
Cancel
29°C
Mostly cloudy
Search
00:25
04-08-2023


Start Course | Intellipaat
Create application gateway - Mi
protstg01 - Microsoft Azure
azproject/error.html at master
Module 5 Assignment
https://portal.azure.com/#create/Microsoft.ApplicationGateway-ARM
Microsoft Azure
Search resources, services, and docs (G+/)
sureshleo1166@gmail.c...
DEFAULT DIRECTORY (SURESHLE...
Home > Load balancing | Application Gateway >
Create application gateway
Basics
Frontends
Backends
Configuration
Tags
Review + create
Create routing rules that link your frontend(s) and backend(s). You can also add more backend pools, add a second frontend IP configuration if you haven't already, or edit previous configurations.
Frontends
+ Add a frontend IP
Public: (new) ap2ip2
Routing rules
+ Add a routing rule
rule2
Manage Backend settings
Backend pools
+ Add a backend pool
pool3
pool4
Previous
Next : Tags >
29°C
Mostly cloudy
Search
00:26
04-08-2023


Start Course | Intellipaat
Create application gateway - Mi
protstg01 - Microsoft Azure
azproject/error.html at master
Module 5 Assignment
https://portal.azure.com/#create/Microsoft.ApplicationGateway-ARM
Microsoft Azure
Search resources, services, and docs (G+/)
sureshleo1166@gmail.c...
DEFAULT DIRECTORY (SURESHLE...
Home > Load balancing | Application Gateway >
Create application gateway
Running final validation...
Basics
Frontends
Backends
Configuration
Tags
Review + create
Basics
Subscription Azure subscription 1
Resource group az-104
Name appgateway2
Region West US
Tier Standard_v2
Enable autoscaling Enabled
Minimum instance count 0
Maximum instance count 10
Availability zone None
HTTP2 Enabled
Virtual network vnet2
Subnet subnet3_ag1 (10.1.2.0/24)
Subnet address space 10.1.2.0/24
Frontends
Public IP address name ap2ip2
SKU Standard
Assignment Static
Availability zone None
Tags
None
Create
Previous
Next
Download a template for automation
29°C
Mostly cloudy
Search
00:26
04-08-2023


Microsoft Azure
Search resources, services, and docs (G+/)
Home >
Microsoft.ApplicationGateway-20230804001758 | Overview
Deployment
Search
Overview
Inputs
Outputs
Template
Delete
Cancel
Redeploy
Download
Refresh
Your deployment is complete
Deployment name : Microsoft.ApplicationGateway-20230804001758
Subscription : Azure subscription 1
Resource group : az-104
Start time : 8/4/2023, 12:26:53 AM
Correlation ID : 2007c566-def2-4d47-b826-935eba9babff
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 >
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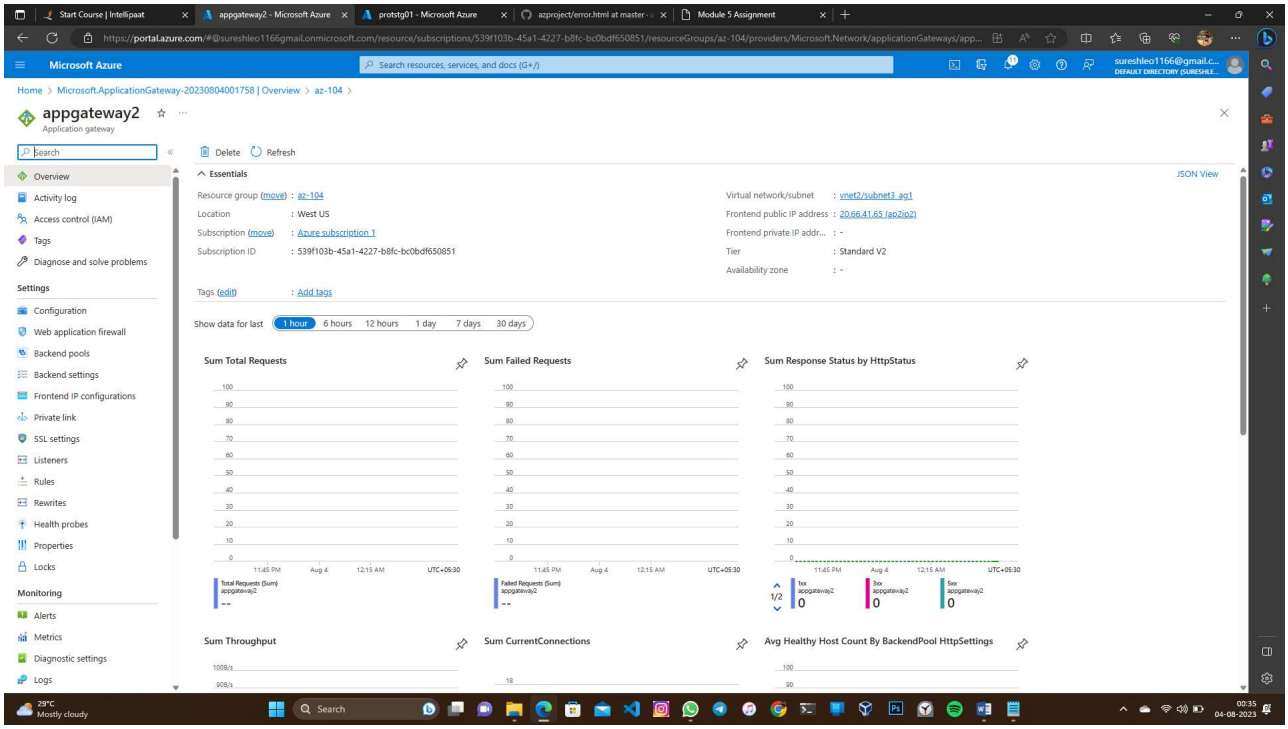
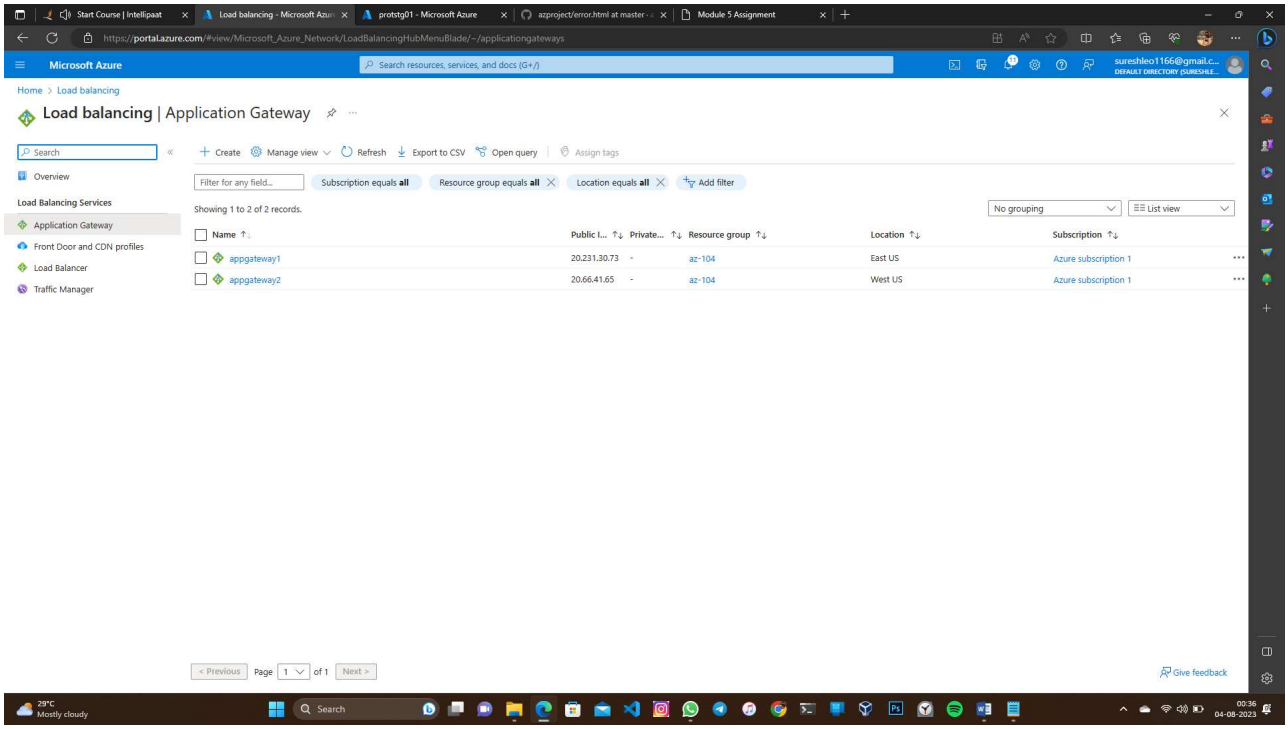
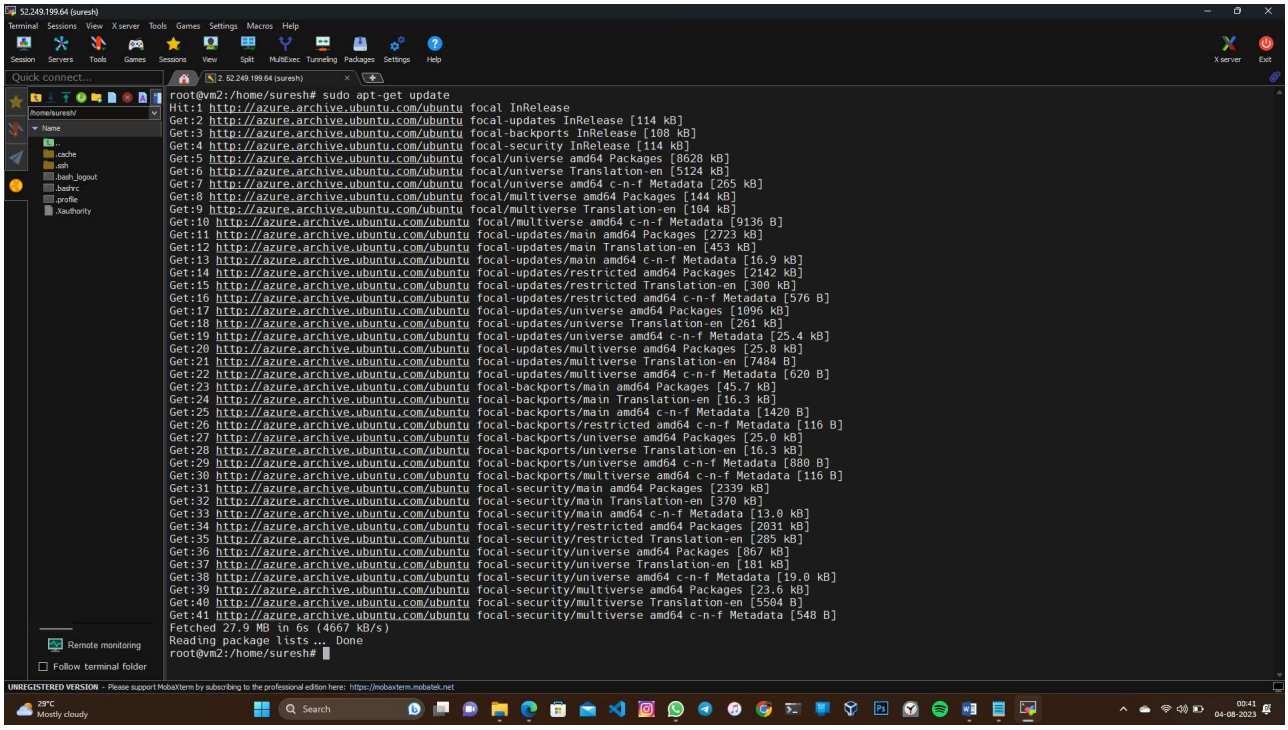
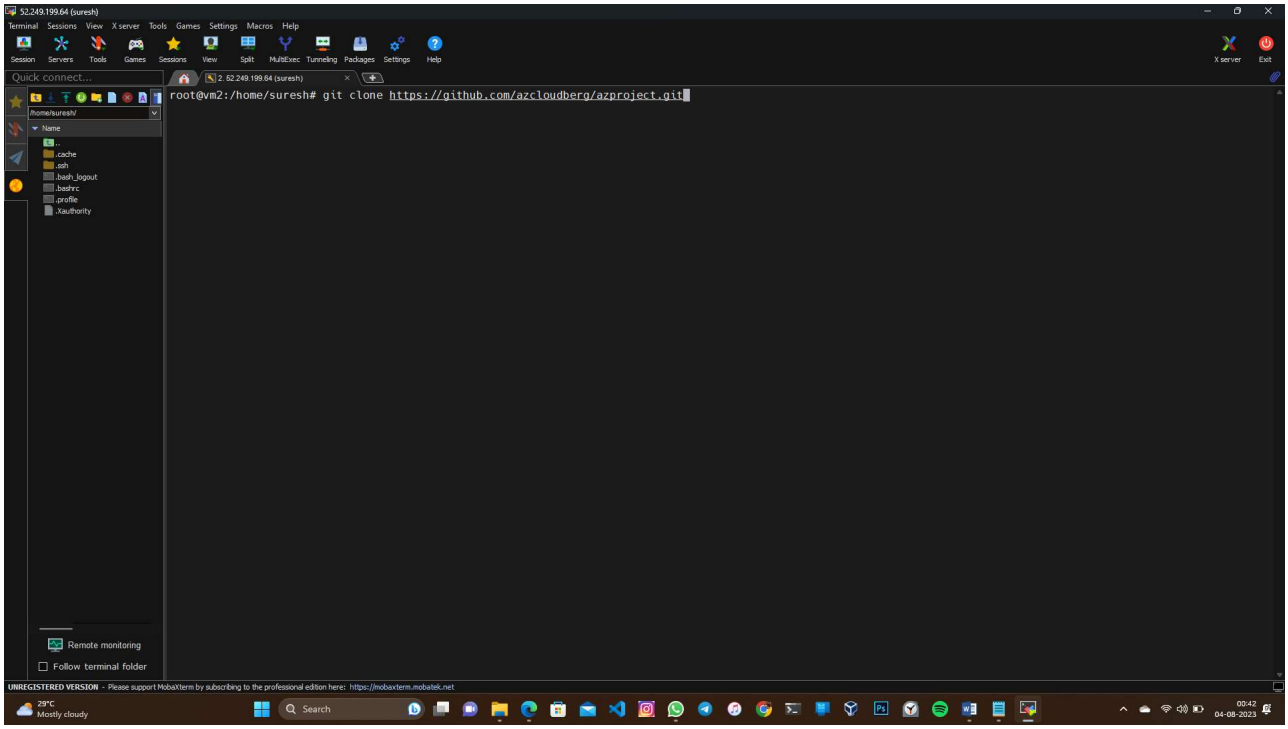
00:33
04-08-2023

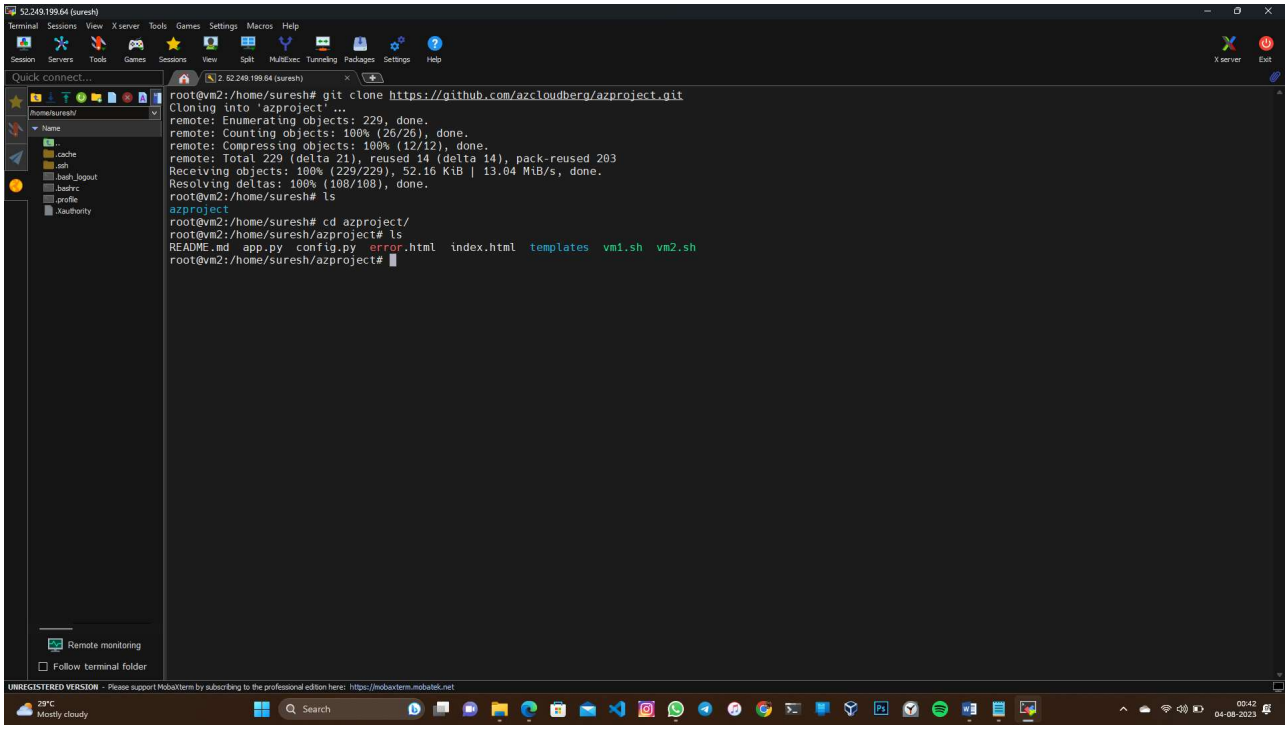

Microsoft Azure
Search resources, services, and docs (G+/)
Home > Microsoft.ApplicationGateway-20230804001758 | Overview > az-104 >
appgateway2
Application gateway
Search
Overview
Activity log
Access control (IAM)
Tags
Diagnose and solve problems
Settings
Configuration
Web application firewall
Backend pools
Backend settings
Frontend IP configurations
Private link
SSL settings
Listeners
Rules
Rewrites
Health probes
Properties
Locks
Monitoring
Alerts
Metrics
Diagnostic settings
Logs
Delete
Refresh
Essentials
JSON View
Resource group (move) : az-104
Location : West US
Subscription (move) : Azure subscription 1
Subscription ID : 539f103b-45a1-4227-b8fc-bc0bdf650851
Tags (edit) : Add tags
Virtual network/subnet : vnet2/subnet3_ag1
Frontend public IP address : 20.66.41.65 (ap2ip2)
Frontend private IP addr... : -
Tier : Standard V2
Availability zone : -
Show data for last
1 hour
6 hours
12 hours
1 day
7 days
30 days
Sum Total Requests
Sum Failed Requests
Sum Response Status by HttpStatus
Sum Throughput
Sum CurrentConnections
Avg Healthy Host Count By BackendPool HttpSettings
29°C
Mostly cloudy
Search
00:35
04-08-2023


Start Course | Intellipaat
Load balancing - Microsoft Azure
protstg01 - Microsoft Azure
azproject/error.html at master
Module 5 Assignment
https://portal.azure.com/#view/Microsoft_Azure_Network/LoadBalancingHubMenuBlade/~/applicationgateways
Microsoft Azure
Search resources, services, and docs (G+/)
sureshleo1166@gmail.c...
DEFAULT DIRECTORY (SURESHLE...
Home > Load balancing
Load balancing | Application Gateway
Search
Overview
Load Balancing Services
Application Gateway
Front Door and CDN profiles
Load Balancer
Traffic Manager
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
Public I...
Private...
Resource group
Location
Subscription
appgateway1
20.231.30.73
-
az-104
East US
Azure subscription 1
appgateway2
20.66.41.65
-
az-104
West US
Azure subscription 1
< Previous
Page 1 of 1
Next >
Give feedback
29°C
Mostly cloudy
Search
00:36
04-08-2023

Launch VM-2:


52.249.199.64 (suresh)
root@vm2:/home/suresh# sudo apt-get update
Hit:1 http://azure.archive.ubuntu.com/ubuntu focal InRelease
Get:2 http://azure.archive.ubuntu.com/ubuntu focal-updates InRelease [114 kB]
Get:3 http://azure.archive.ubuntu.com/ubuntu focal-backports InRelease [108 kB]
Get:4 http://azure.archive.ubuntu.com/ubuntu focal-security InRelease [114 kB]
Get:5 http://azure.archive.ubuntu.com/ubuntu focal/universe amd64 Packages [8628 kB]
Get:6 http://azure.archive.ubuntu.com/ubuntu focal/universe Translation-en [5124 kB]
Get:7 http://azure.archive.ubuntu.com/ubuntu focal/universe amd64 c-n-f Metadata [265 kB]
Get:8 http://azure.archive.ubuntu.com/ubuntu focal/multiverse amd64 Packages [144 kB]
Get:9 http://azure.archive.ubuntu.com/ubuntu focal/multiverse Translation-en [104 kB]
Get:10 http://azure.archive.ubuntu.com/ubuntu focal/multiverse amd64 c-n-f Metadata [9136 B]
Get:11 http://azure.archive.ubuntu.com/ubuntu focal-updates/main amd64 Packages [2723 kB]
Get:12 http://azure.archive.ubuntu.com/ubuntu focal-updates/main Translation-en [453 kB]
Get:13 http://azure.archive.ubuntu.com/ubuntu focal-updates/main amd64 c-n-f Metadata [16.9 kB]
Get:14 http://azure.archive.ubuntu.com/ubuntu focal-updates/restricted amd64 Packages [2142 kB]
Get:15 http://azure.archive.ubuntu.com/ubuntu focal-updates/restricted Translation-en [300 kB]
Get:16 http://azure.archive.ubuntu.com/ubuntu focal-updates/restricted amd64 c-n-f Metadata [576 B]
Get:17 http://azure.archive.ubuntu.com/ubuntu focal-updates/universe amd64 Packages [1096 kB]
Get:18 http://azure.archive.ubuntu.com/ubuntu focal-updates/universe Translation-en [261 kB]
Get:19 http://azure.archive.ubuntu.com/ubuntu focal-updates/universe amd64 c-n-f Metadata [25.4 kB]
Get:20 http://azure.archive.ubuntu.com/ubuntu focal-updates/multiverse amd64 Packages [25.0 kB]
Get:21 http://azure.archive.ubuntu.com/ubuntu focal-updates/multiverse Translation-en [7484 B]
Get:22 http://azure.archive.ubuntu.com/ubuntu focal-updates/multiverse amd64 c-n-f Metadata [620 B]
Get:23 http://azure.archive.ubuntu.com/ubuntu focal-backports/main amd64 Packages [45.7 kB]
Get:24 http://azure.archive.ubuntu.com/ubuntu focal-backports/main Translation-en [16.3 kB]
Get:25 http://azure.archive.ubuntu.com/ubuntu focal-backports/main amd64 c-n-f Metadata [1420 B]
Get:26 http://azure.archive.ubuntu.com/ubuntu focal-backports/restricted amd64 c-n-f Metadata [116 B]
Get:27 http://azure.archive.ubuntu.com/ubuntu focal-backports/universe amd64 Packages [25.0 kB]
Get:28 http://azure.archive.ubuntu.com/ubuntu focal-backports/universe Translation-en [16.3 kB]
Get:29 http://azure.archive.ubuntu.com/ubuntu focal-backports/universe amd64 c-n-f Metadata [880 B]
Get:30 http://azure.archive.ubuntu.com/ubuntu focal-backports/multiverse amd64 c-n-f Metadata [116 B]
Get:31 http://azure.archive.ubuntu.com/ubuntu focal-security/main amd64 Packages [2339 kB]
Get:32 http://azure.archive.ubuntu.com/ubuntu focal-security/main Translation-en [370 kB]
Get:33 http://azure.archive.ubuntu.com/ubuntu focal-security/main amd64 c-n-f Metadata [13.0 kB]
Get:34 http://azure.archive.ubuntu.com/ubuntu focal-security/restricted amd64 Packages [2031 kB]
Get:35 http://azure.archive.ubuntu.com/ubuntu focal-security/restricted Translation-en [285 kB]
Get:36 http://azure.archive.ubuntu.com/ubuntu focal-security/universe amd64 Packages [867 kB]
Get:37 http://azure.archive.ubuntu.com/ubuntu focal-security/universe Translation-en [181 kB]
Get:38 http://azure.archive.ubuntu.com/ubuntu focal-security/universe amd64 c-n-f Metadata [19.0 kB]
Get:39 http://azure.archive.ubuntu.com/ubuntu focal-security/multiverse amd64 Packages [23.6 kB]
Get:40 http://azure.archive.ubuntu.com/ubuntu focal-security/multiverse Translation-en [5504 B]
Get:41 http://azure.archive.ubuntu.com/ubuntu focal-security/multiverse amd64 c-n-f Metadata [548 B]
Fetched 27.9 MB in 6s (4667 kB/s)
Reading package lists ... Done
root@vm2:/home/suresh#
Remote monitoring
Follow terminal folder
UNREGISTERED VERSION - Please support MobaXterm by subscribing to the professional edition here: https://mobaxterm.mobatek.net
29°C
Mostly cloudy
Search
00:41
04-08-2023


52.249.199.64 (suresh)
root@vm2:/home/suresh# git clone https://github.com/azcloudberg/azproject.git
Remote monitoring
Follow terminal folder
UNREGISTERED VERSION - Please support MobaXterm by subscribing to the professional edition here: https://mobaxterm.mobatek.net
29°C
Mostly cloudy
Search
00:42
04-08-2023


52.249.199.64 (suresh)
root@vm2:/home/suresh# 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
Receiving objects: 100% (229/229), 52.16 KiB | 13.04 MiB/s, done.
Resolving deltas: 100% (108/108), done.
root@vm2:/home/suresh# ls
azproject
root@vm2:/home/suresh# cd azproject/
root@vm2:/home/suresh/azproject# ls
README.md app.py config.py error.html index.html templates vm1.sh vm2.sh
root@vm2:/home/suresh/azproject#
Remote monitoring
Follow terminal folder
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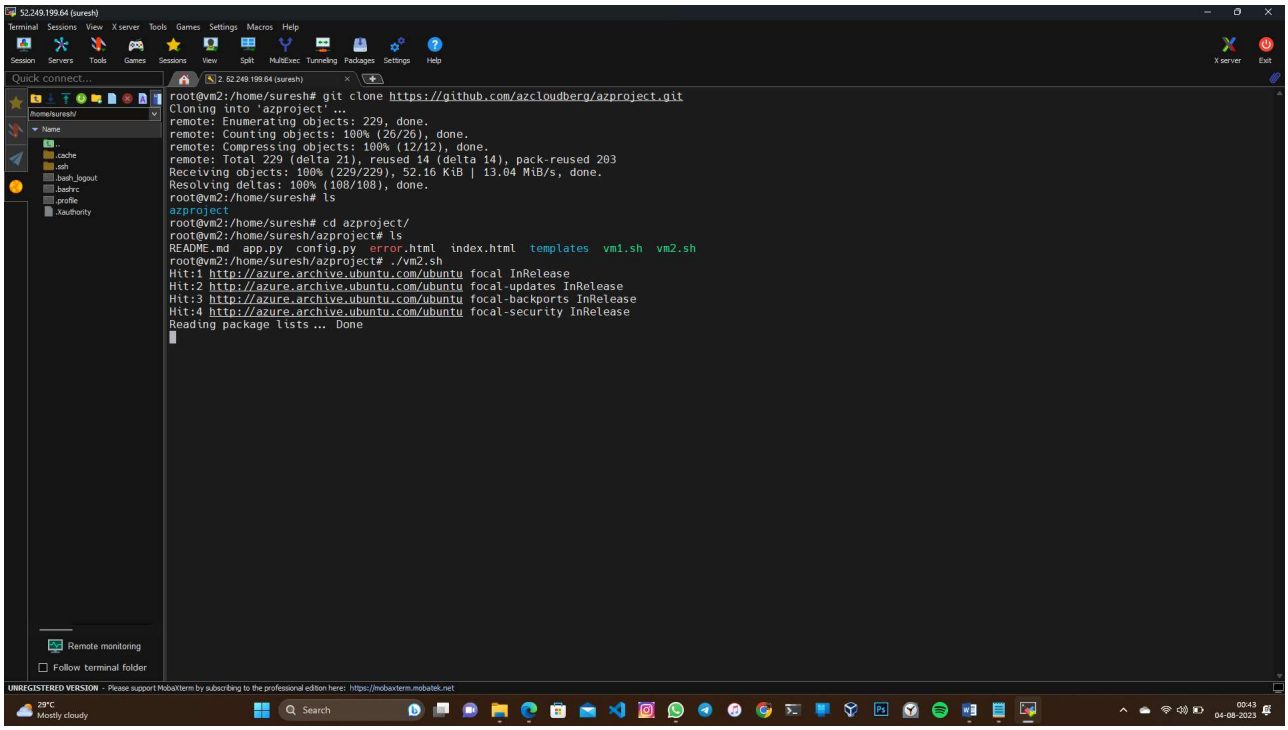
52.249.199.64 (suresh)
root@vm2:/home/suresh# git clone https://github.com/azcloudberg/azproject.git
Cloning into 'azproject' ...
remote: Enumerating objects: 229, done.
remote: Counting objects: 100% (26/26), done.
remote: Compressing objects: 100% (12/12), done.
remote: Total 229 (delta 21), reused 14 (delta 14), pack-reused 203
Receiving objects: 100% (229/229), 52.16 KiB | 13.04 MiB/s, done.
Resolving deltas: 100% (108/108), done.
root@vm2:/home/suresh# ls
azproject
root@vm2:/home/suresh# cd azproject/
root@vm2:/home/suresh/azproject# ls
README.md app.py config.py error.html index.html templates vm1.sh vm2.sh
root@vm2:/home/suresh/azproject# ./vm2.sh
Hit:1 http://azure.archive.ubuntu.com/ubuntu focal InRelease
Hit:2 http://azure.archive.ubuntu.com/ubuntu focal-updates InRelease
Hit:3 http://azure.archive.ubuntu.com/ubuntu focal-backports InRelease
Hit:4 http://azure.archive.ubuntu.com/ubuntu focal-security InRelease
Reading package lists ... Done
Remote monitoring
Follow terminal folder
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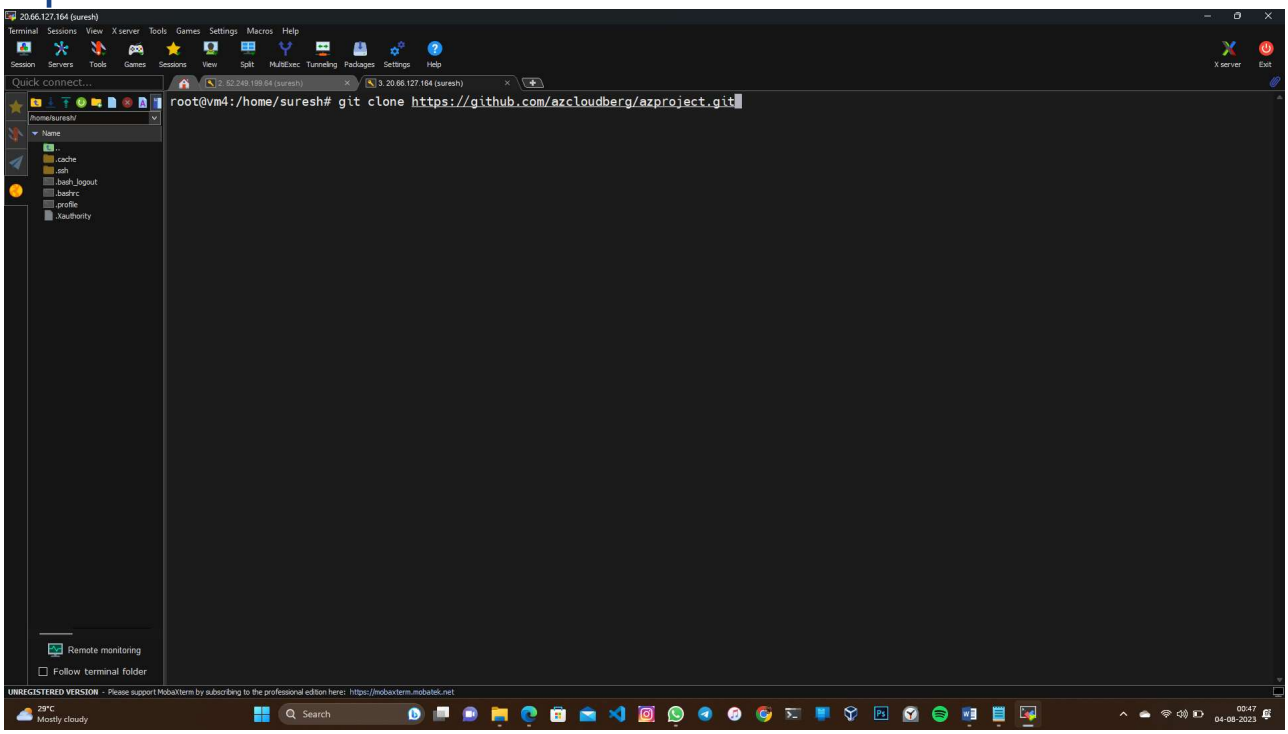
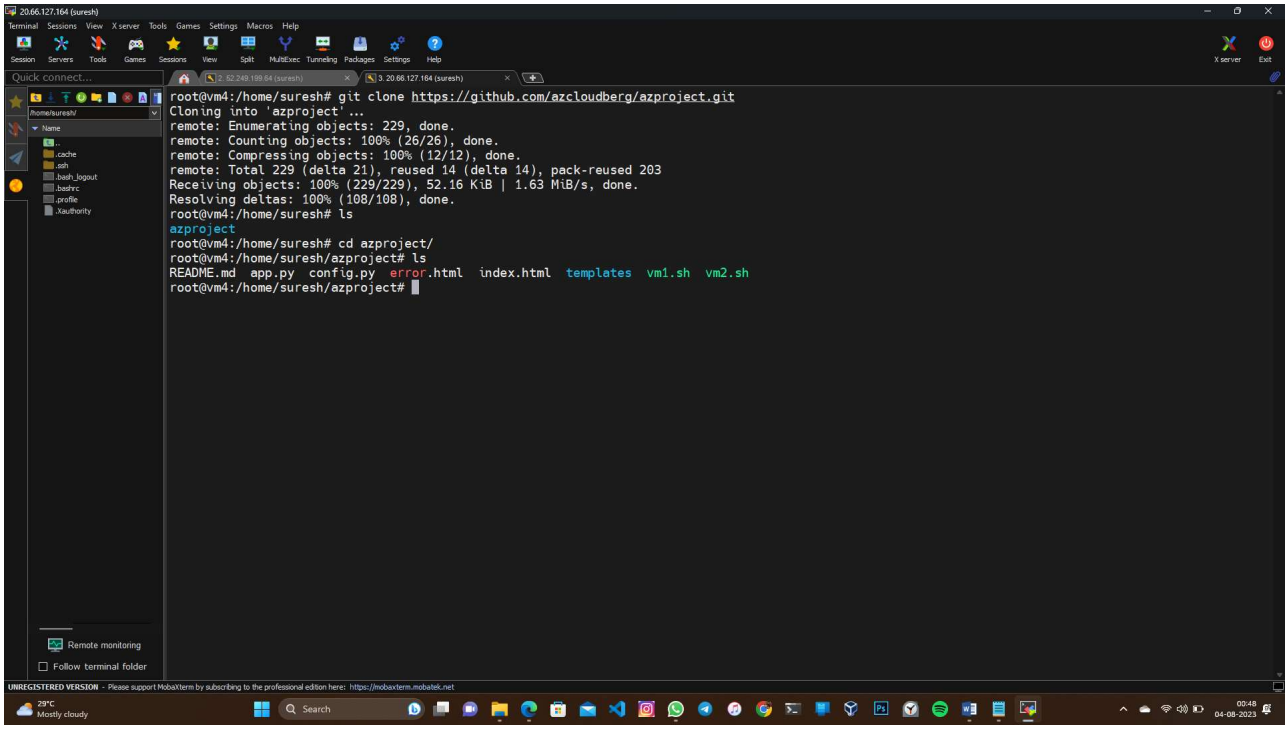
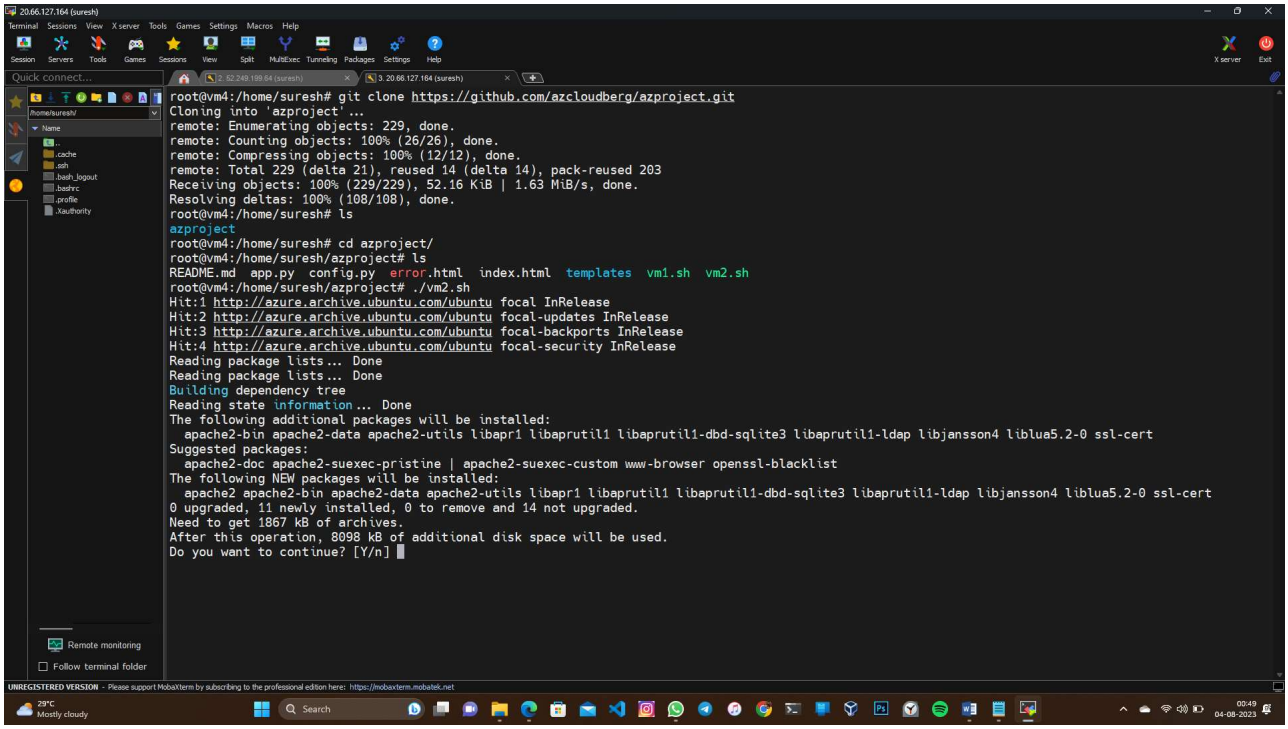
Launch VM-4:

Update and clone:



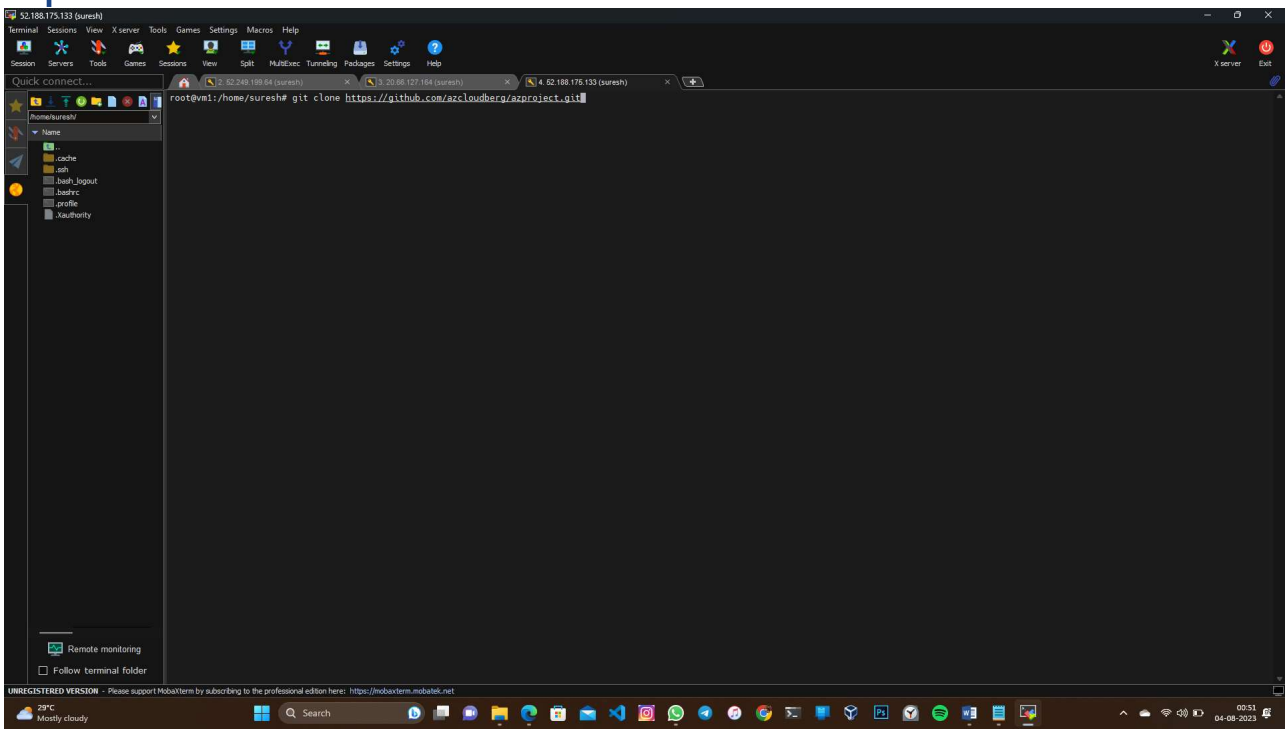
Cloned:

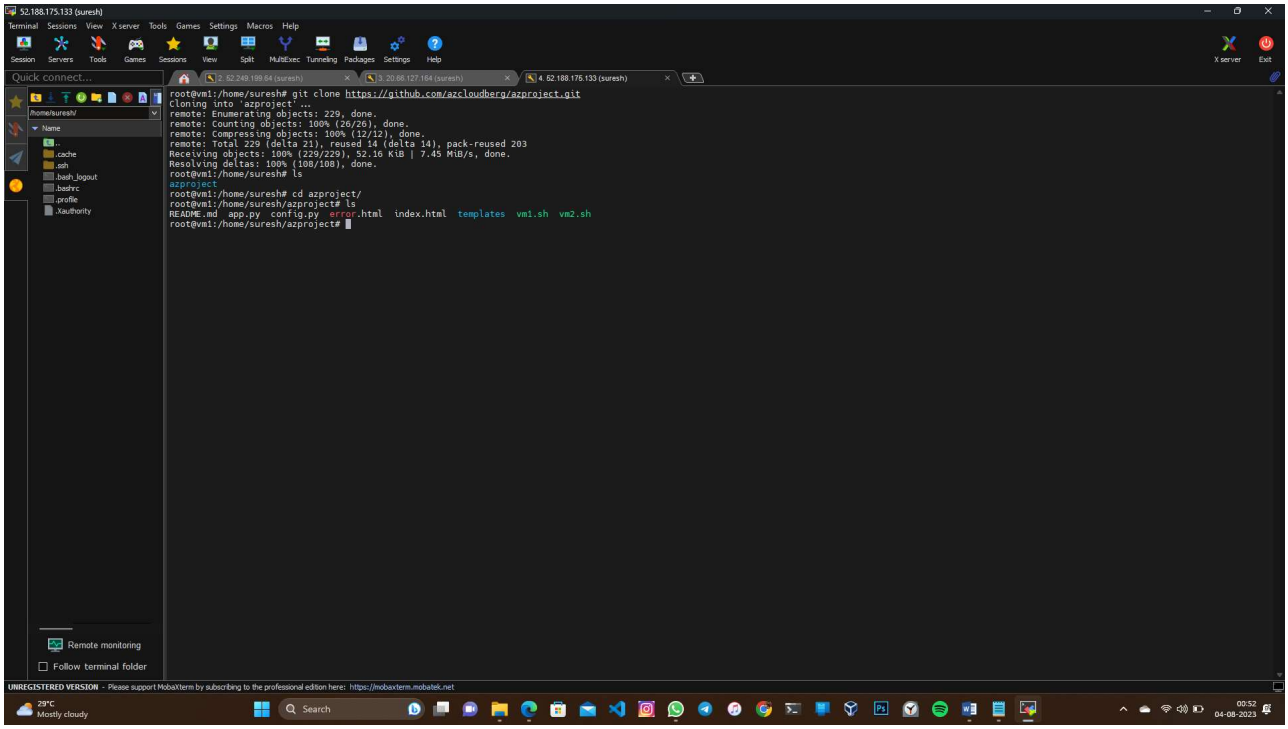




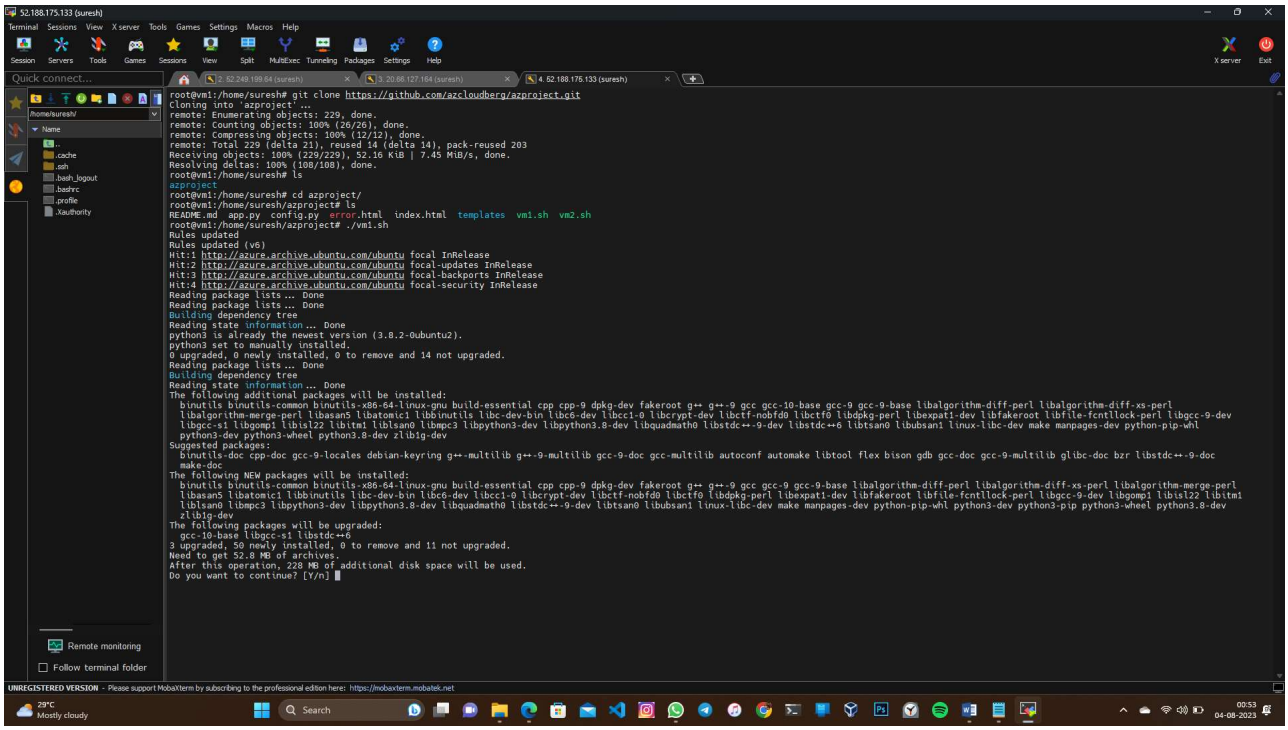
Launch VM-01:

Update & clone:

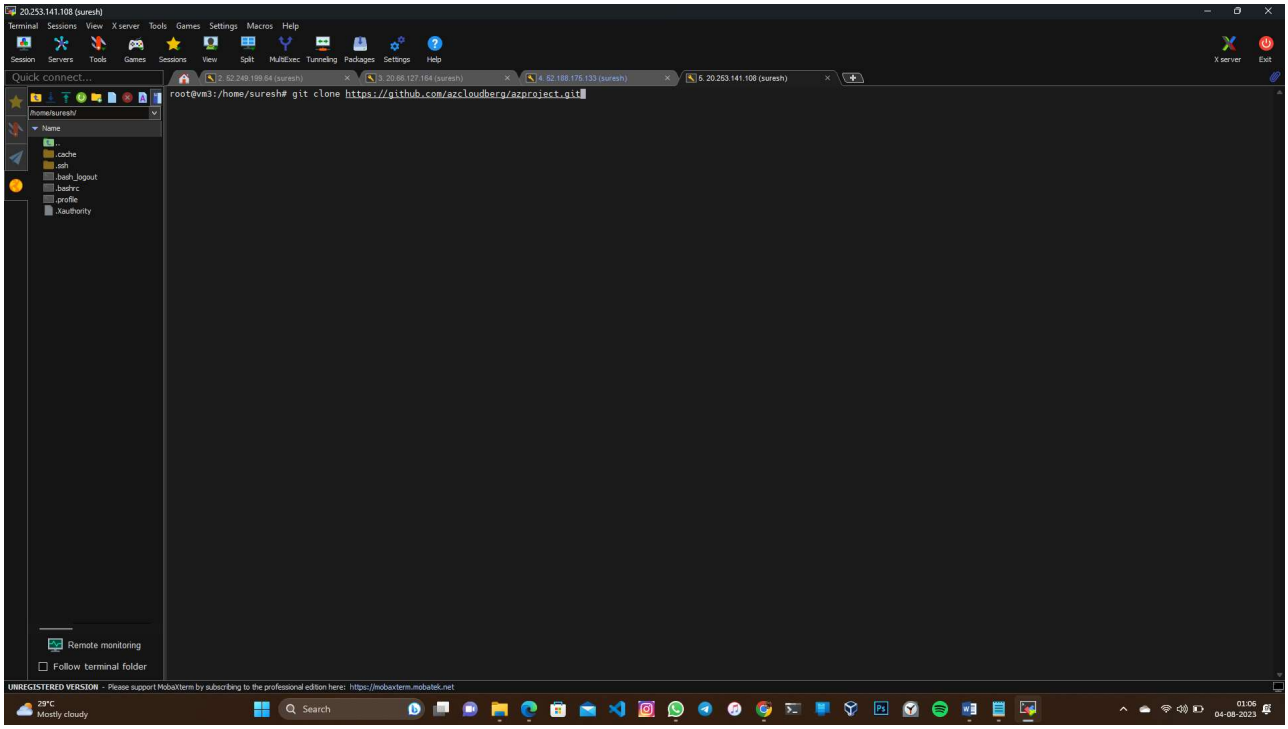


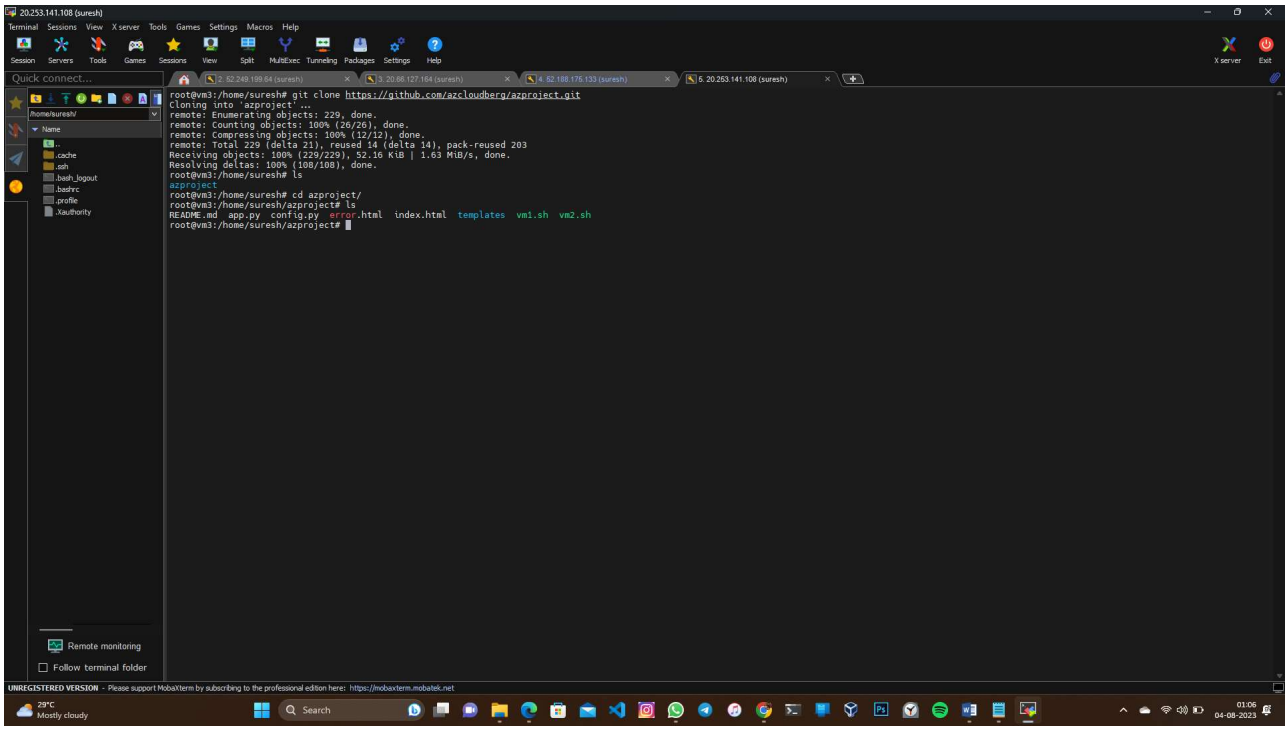

52.188.175.133 (suresh)
root@vm1:/home/suresh# git clone https://github.com/azcloudberg/azproject.git
Cloning into 'azproject'...
remote: Enumerating objects: 229, done.
remote: Counting objects: 100% (26/26), done.
remote: Compressing objects: 100% (12/12), done.
remote: Total 229 (delta 21), reused 14 (delta 14), pack-reused 203
Receiving objects: 100% (229/229), 52.16 KiB | 7.45 MiB/s, done.
Resolving deltas: 100% (108/108), done.
root@vm1:/home/suresh# ls
azproject
root@vm1:/home/suresh# cd azproject/
root@vm1:/home/suresh/azproject# ls
README.md app.py config.py error.html index.html templates vm1.sh vm2.sh
root@vm1:/home/suresh/azproject#
Remote monitoring
Follow terminal folder

Run ./vm1

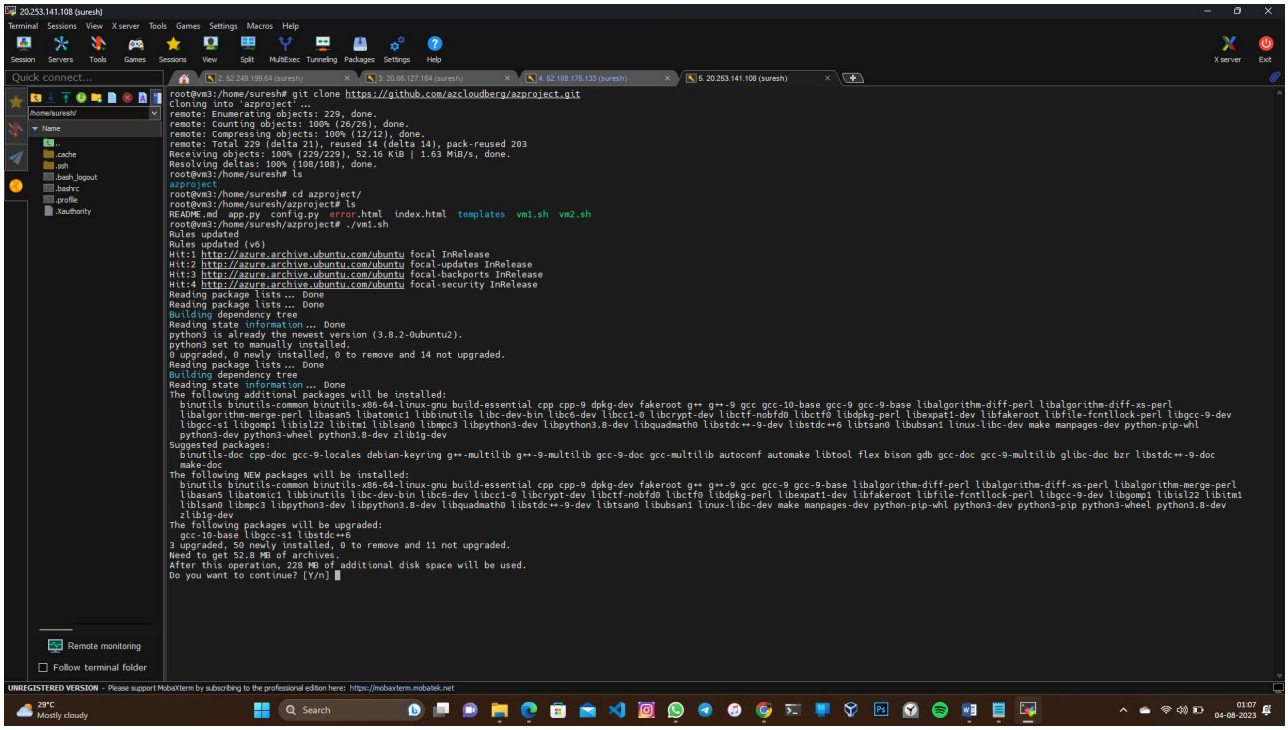

52.188.175.133 (suresh)
root@vm1:/home/suresh# git clone https://github.com/azcloudberg/azproject.git
Cloning into 'azproject'...
remote: Enumerating objects: 229, done.
remote: Counting objects: 100% (26/26), done.
remote: Compressing objects: 100% (12/12), done.
remote: Total 229 (delta 21), reused 14 (delta 14), pack-reused 203
Receiving objects: 100% (229/229), 52.16 KiB | 7.45 MiB/s, done.
Resolving deltas: 100% (108/108), done.
root@vm1:/home/suresh# ls
azproject
root@vm1:/home/suresh# cd azproject/
root@vm1:/home/suresh/azproject# ls
README.md app.py config.py error.html index.html templates vm1.sh vm2.sh
root@vm1:/home/suresh/azproject# ./vm1.sh
Rules updated
Rules updated (v6)
Hit:1 http://azure.archive.ubuntu.com/ubuntu focal InRelease
Hit:2 http://azure.archive.ubuntu.com/ubuntu focal-updates InRelease
Hit:3 http://azure.archive.ubuntu.com/ubuntu focal-backports InRelease
Hit:4 http://azure.archive.ubuntu.com/ubuntu focal-security InRelease
Reading package lists... Done
Reading package lists... Done
Building dependency tree
Reading state information... Done
python3 is already the newest version (3.8.2-0ubuntu2).
python3 set to manually installed.
0 upgraded, 0 newly installed, 0 to remove and 14 not upgraded.
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following additional packages will be installed:
binutils binutils-common binutils-x86-64-linux-gnu build-essential cpp cpp-9 dpkg-dev fakeroot g++ g++-9 gcc gcc-10-base gcc-9 gcc-9-base libalgorithm-diff-perl libalgorithm-diff-xs-perl
libalgorithm-merge-perl libasan5 libatomic1 libbinutils libc-dev-bin libc6-dev libcc1-0 libcrypt-dev libctf-nobfd0 libctf0 libdpkg-perl libexpat1-dev libfakeroot libfile-fcntllock-perl libgcc-9-dev
libgcc-s1 libgomp1 libisl22 libitm1 liblsan0 libmpc3 libpython3-dev libpython3.8-dev libquadmath0 libstdc++-9-dev libstdc++6 libtsan0 libubsan1 linux-libc-dev make manpages-dev python-pip-whl
python3-dev python3-wheel python3.8-dev zlib1g-dev
Suggested packages:
binutils-doc cpp-doc gcc-9-locales debian-keyring g++-multilib g++-9-multilib gcc-9-doc gcc-multilib autoconf automake libtool flex bison gdb gcc-doc gcc-9-multilib glibc-doc bzr libstdc++-9-doc
make-doc
The following NEW packages will be installed:
binutils binutils-common binutils-x86-64-linux-gnu build-essential cpp cpp-9 dpkg-dev fakeroot g++ g++-9 gcc gcc-9 gcc-9-base libalgorithm-diff-perl libalgorithm-diff-xs-perl libalgorithm-merge-perl
libasan5 libatomic1 libbinutils libc-dev-bin libc6-dev libcc1-0 libcrypt-dev libctf-nobfd0 libctf0 libdpkg-perl libexpat1-dev libfakeroot libfile-fcntllock-perl libgcc-9-dev libgomp1 libisl22 libitm1
liblsan0 libmpc3 libpython3-dev libpython3.8-dev libquadmath0 libstdc++-9-dev libtsan0 libubsan1 linux-libc-dev make manpages-dev python-pip-whl python3-dev python3-pip python3-wheel python3.8-dev
zlib1g-dev
The following packages will be upgraded:
gcc-10-base libgcc-s1 libstdc++6
3 upgraded, 50 newly installed, 0 to remove and 11 not upgraded.
Need to get 52.8 MB of archives.
After this operation, 228 MB of additional disk space will be used.
Do you want to continue? [Y/n]
Remote monitoring
Follow terminal folder

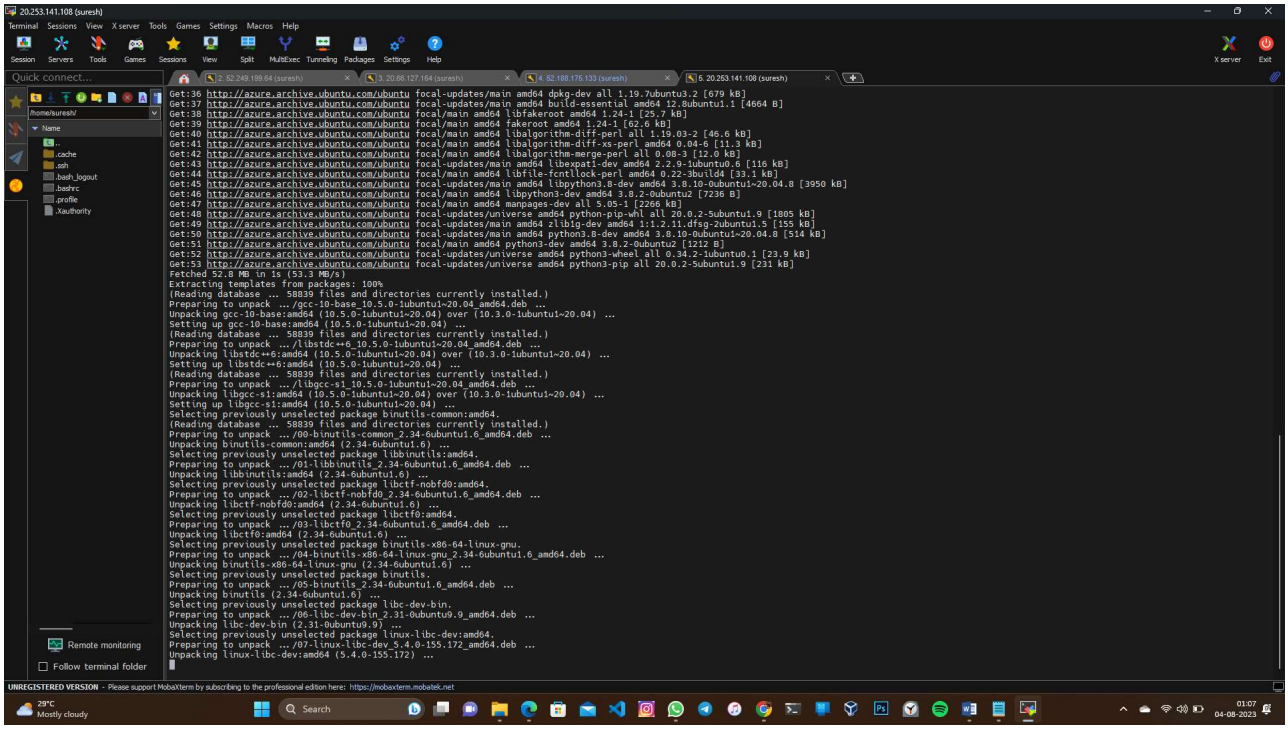
Launch Vm-03:
Update & clone:





Run ./vm1.sh


root@vm3:/home/suresh# 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
Receiving objects: 100% (229/229), 52.16 KiB | 1.63 MiB/s, done.
Resolving deltas: 100% (108/108), done.
root@vm3:/home/suresh# ls
azproject
root@vm3:/home/suresh# cd azproject/
root@vm3:/home/suresh/azproject# ls
README.md app.py config.py error.html index.html templates vm1.sh vm2.sh
root@vm3:/home/suresh/azproject# ./vm1.sh
Rules updated
Rules updated (v6)
Hit:1 http://azure.archive.ubuntu.com/ubuntu focal InRelease
Hit:2 http://azure.archive.ubuntu.com/ubuntu focal-updates InRelease
Hit:3 http://azure.archive.ubuntu.com/ubuntu focal-backports InRelease
Hit:4 http://azure.archive.ubuntu.com/ubuntu focal-security InRelease
Reading package lists ... Done
Reading package lists ... Done
Building dependency tree
Reading state information ... Done
python3 is already the newest version (3.8.2-0ubuntu2).
python3 set to manually installed.
0 upgraded, 0 newly installed, 0 to remove and 14 not upgraded.
Reading package lists ... Done
Building dependency tree
Reading state information ... Done
The following additional packages will be installed:
binutils binutils-common binutils-x86-64-linux-gnu build-essential cpp cpp-9 dpkg-dev fakeroot g++ g++-9 gcc gcc-10-base gcc-9 gcc-9-base libalgorithm-diff-perl libalgorithm-diff-xs-perl
libalgorithm-merge-perl libasan5 libatomic1 libbinutils libc-dev-bin libc6-dev libcc1-0 libcrypt-dev libctf-nobfd0 libctf0 libdpkg-perl libexpat1-dev libfakeroot libfile-fcntllock-perl libgcc-9-dev
libgcc-s1 libgomp1 libisl22 libitm1 liblsan0 libmpc3 libpython3-dev libpython3.8-dev libquadmath0 libstdc++-9-dev libstdc++6 libtsan0 libubsan1 linux-libc-dev make manpages-dev python-pip-whl
python3-dev python3-wheel python3.8-dev zlib1g-dev
Suggested packages:
binutils-doc cpp-doc gcc-9-locales debian-keyring g++-multilib g++-9-multilib gcc-9-doc gcc-multilib autoconf automake libtool flex bison gdb gcc-doc gcc-9-multilib glibc-doc bzr libstdc++-9-doc
make-doc
The following NEW packages will be installed:
binutils binutils-common binutils-x86-64-linux-gnu build-essential cpp cpp-9 dpkg-dev fakeroot g++ g++-9 gcc gcc-9 gcc-9-base libalgorithm-diff-perl libalgorithm-diff-xs-perl libalgorithm-merge-perl
libasan5 libatomic1 libbinutils libc-dev-bin libc6-dev libcc1-0 libcrypt-dev libctf-nobfd0 libctf0 libdpkg-perl libexpat1-dev libfakeroot libfile-fcntllock-perl libgcc-9-dev libgomp1 libisl22 libitm1
liblsan0 libmpc3 libpython3-dev libpython3.8-dev libquadmath0 libstdc++-9-dev libtsan0 libubsan1 linux-libc-dev make manpages-dev python-pip-whl python3-dev python3-pip python3-wheel python3.8-dev
zlib1g-dev
The following packages will be upgraded:
gcc-10-base libgcc-s1 libstdc++6
3 upgraded, 50 newly installed, 0 to remove and 11 not upgraded.
Need to get 52.8 MB of archives.
After this operation, 228 MB of additional disk space will be used.
Do you want to continue? [Y/n]
Remote monitoring
Follow terminal folder
UNREGISTERED VERSION - Please support MobaXterm by subscribing to the professional edition here: https://mobaxterm.mobatek.net
29°C
Mostly cloudy
Search
01:07
04-08-2023


Get:36 http://azure.archive.ubuntu.com/ubuntu focal-updates/main amd64 dpkg-dev all 1.19.7ubuntu3.2 [679 kB]
Get:37 http://azure.archive.ubuntu.com/ubuntu focal-updates/main amd64 build-essential amd64 12.8ubuntu1.1 [4664 B]
Get:38 http://azure.archive.ubuntu.com/ubuntu focal/main amd64 libfakeroot amd64 1.24-1 [25.7 kB]
Get:39 http://azure.archive.ubuntu.com/ubuntu focal/main amd64 fakeroot amd64 1.24-1 [62.6 kB]
Get:40 http://azure.archive.ubuntu.com/ubuntu focal/main amd64 libalgorithm-diff-perl all 1.19.03-2 [46.6 kB]
Get:41 http://azure.archive.ubuntu.com/ubuntu focal/main amd64 libalgorithm-diff-xs-perl amd64 0.04-6 [11.3 kB]
Get:42 http://azure.archive.ubuntu.com/ubuntu focal/main amd64 libalgorithm-merge-perl all 0.08-3 [12.0 kB]
Get:43 http://azure.archive.ubuntu.com/ubuntu focal-updates/main amd64 libexpat1-dev amd64 2.2.9-1ubuntu0.6 [116 kB]
Get:44 http://azure.archive.ubuntu.com/ubuntu focal/main amd64 libfile-fcntllock-perl amd64 0.22-3build4 [33.1 kB]
Get:45 http://azure.archive.ubuntu.com/ubuntu focal-updates/main amd64 libpython3.8-dev amd64 3.8.10-0ubuntu1~20.04.8 [3950 kB]
Get:46 http://azure.archive.ubuntu.com/ubuntu focal/main amd64 libpython3-dev amd64 3.8.2-0ubuntu2 [7236 B]
Get:47 http://azure.archive.ubuntu.com/ubuntu focal/main amd64 manpages-dev all 5.05-1 [2266 kB]
Get:48 http://azure.archive.ubuntu.com/ubuntu focal-updates/universe amd64 python-pip-whl all 20.0.2-5ubuntu1.9 [1805 kB]
Get:49 http://azure.archive.ubuntu.com/ubuntu focal-updates/main amd64 zlib1g-dev amd64 1:1.2.11.dfsg-2ubuntu1.5 [155 kB]
Get:50 http://azure.archive.ubuntu.com/ubuntu focal-updates/main amd64 python3.8-dev amd64 3.8.10-0ubuntu1~20.04.8 [514 kB]
Get:51 http://azure.archive.ubuntu.com/ubuntu focal/main amd64 python3-dev amd64 3.8.2-0ubuntu2 [1212 B]
Get:52 http://azure.archive.ubuntu.com/ubuntu focal-updates/universe amd64 python3-wheel all 0.34.2-1ubuntu0.1 [23.9 kB]
Get:53 http://azure.archive.ubuntu.com/ubuntu focal-updates/universe amd64 python3-pip all 20.0.2-5ubuntu1.9 [231 kB]
Fetched 52.8 MB in 1s (53.3 MB/s)
Extracting templates from packages: 100%
(Reading database ... 58839 files and directories currently installed.)
Preparing to unpack .../gcc-10-base_10.5.0-1ubuntu1~20.04_amd64.deb ...
Unpacking gcc-10-base:amd64 (10.5.0-1ubuntu1~20.04) over (10.3.0-1ubuntu1~20.04) ...
Setting up gcc-10-base:amd64 (10.5.0-1ubuntu1~20.04) ...
(Reading database ... 58839 files and directories currently installed.)
Preparing to unpack .../libstdc++6_10.5.0-1ubuntu1~20.04_amd64.deb ...
Unpacking libstdc++6:amd64 (10.5.0-1ubuntu1~20.04) over (10.3.0-1ubuntu1~20.04) ...
Setting up libstdc++6:amd64 (10.5.0-1ubuntu1~20.04) ...
(Reading database ... 58839 files and directories currently installed.)
Preparing to unpack .../libgcc-s1_10.5.0-1ubuntu1~20.04_amd64.deb ...
Unpacking libgcc-s1:amd64 (10.5.0-1ubuntu1~20.04) over (10.3.0-1ubuntu1~20.04) ...
Setting up libgcc-s1:amd64 (10.5.0-1ubuntu1~20.04) ...
Selecting previously unselected package binutils-common:amd64.
(Reading database ... 58839 files and directories currently installed.)
Preparing to unpack .../00-binutils-common_2.34-6ubuntu1.6_amd64.deb ...
Unpacking binutils-common:amd64 (2.34-6ubuntu1.6) ...
Selecting previously unselected package libbinutils:amd64.
Preparing to unpack .../01-libbinutils_2.34-6ubuntu1.6_amd64.deb ...
Unpacking libbinutils:amd64 (2.34-6ubuntu1.6) ...
Selecting previously unselected package libctf-nobfd0:amd64.
Preparing to unpack .../02-libctf-nobfd0_2.34-6ubuntu1.6_amd64.deb ...
Unpacking libctf-nobfd0:amd64 (2.34-6ubuntu1.6) ...
Selecting previously unselected package libctf0:amd64.
Preparing to unpack .../03-libctf0_2.34-6ubuntu1.6_amd64.deb ...
Unpacking libctf0:amd64 (2.34-6ubuntu1.6) ...
Selecting previously unselected package binutils-x86-64-linux-gnu.
Preparing to unpack .../04-binutils-x86-64-linux-gnu_2.34-6ubuntu1.6_amd64.deb ...
Unpacking binutils-x86-64-linux-gnu (2.34-6ubuntu1.6) ...
Selecting previously unselected package binutils.
Preparing to unpack .../05-binutils_2.34-6ubuntu1.6_amd64.deb ...
Unpacking binutils (2.34-6ubuntu1.6) ...
Selecting previously unselected package libc-dev-bin.
Preparing to unpack .../06-libc-dev-bin_2.31-0ubuntu9.9_amd64.deb ...
Unpacking libc-dev-bin (2.31-0ubuntu9.9) ...
Selecting previously unselected package linux-libc-dev:amd64.
Preparing to unpack .../07-linux-libc-dev_5.4.0-155.172_amd64.deb ...
Unpacking linux-libc-dev:amd64 (5.4.0-155.172) ...
Remote monitoring
Follow terminal folder
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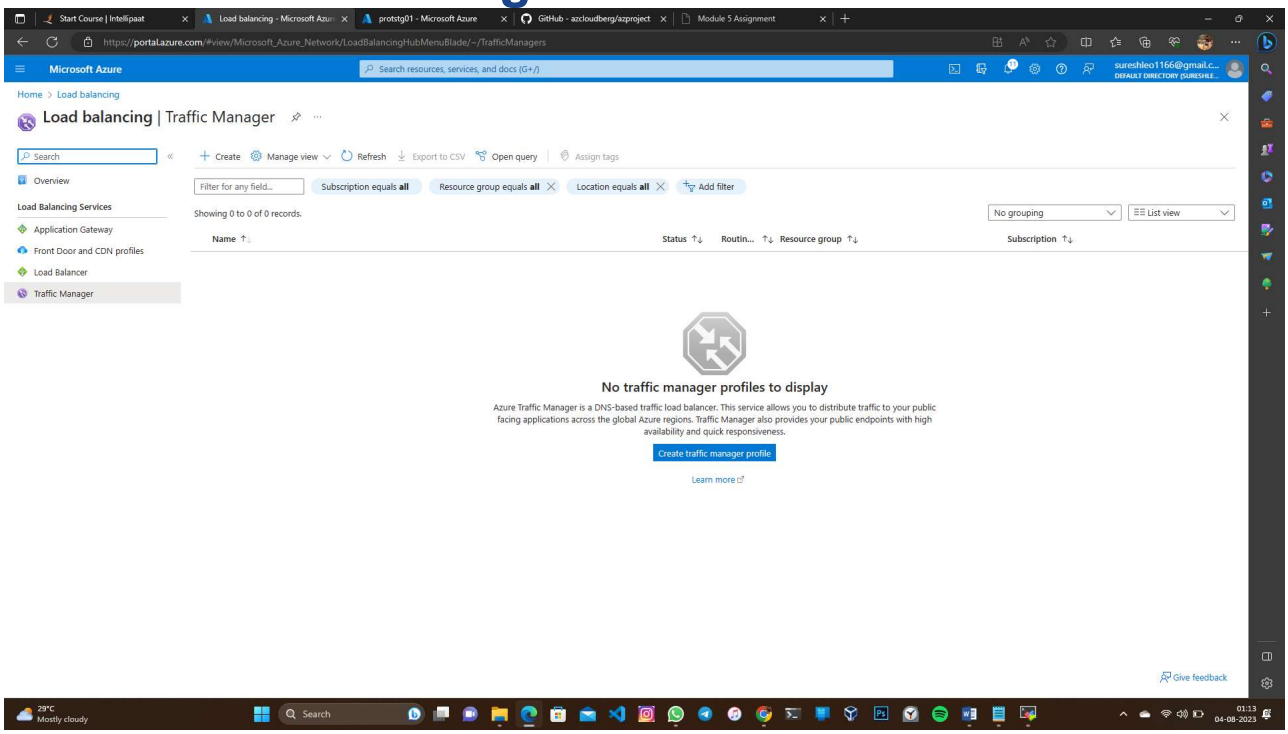
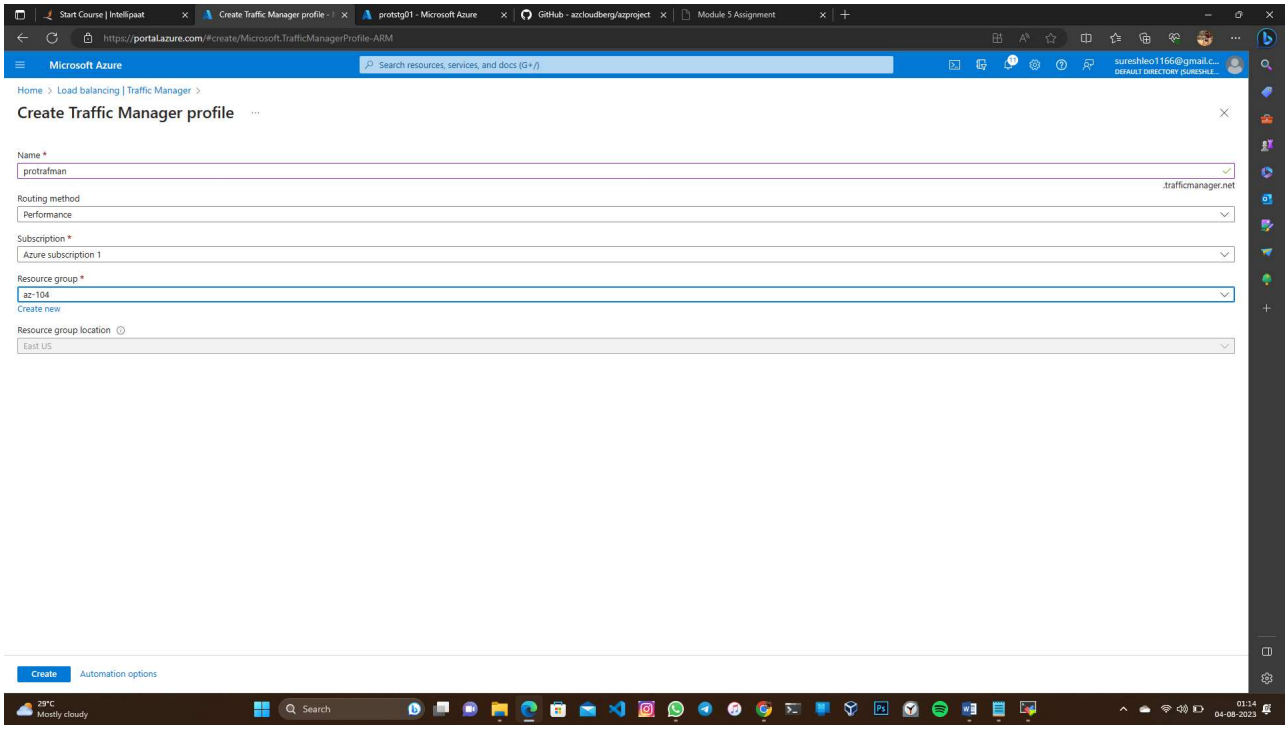
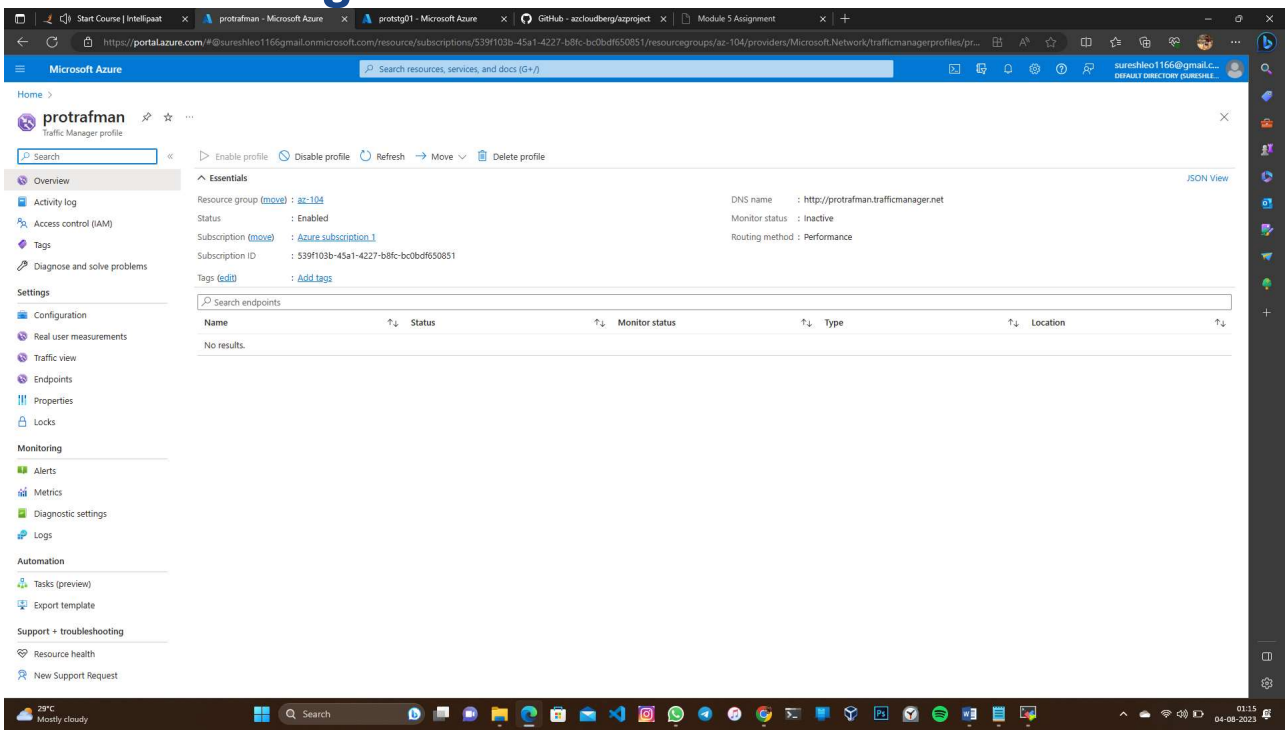
29°C
Mostly cloudy
Search
01:07
04-08-2023

Create Traffic Manager:



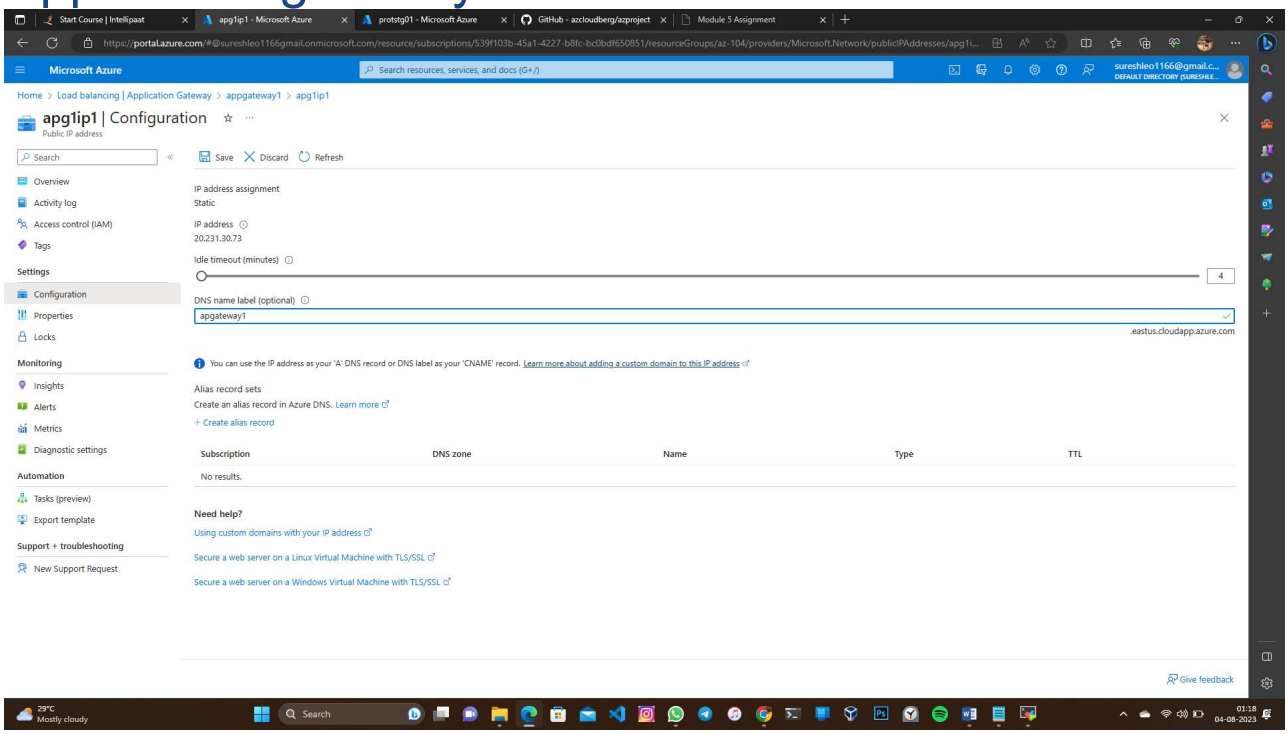


Traffic manager created:

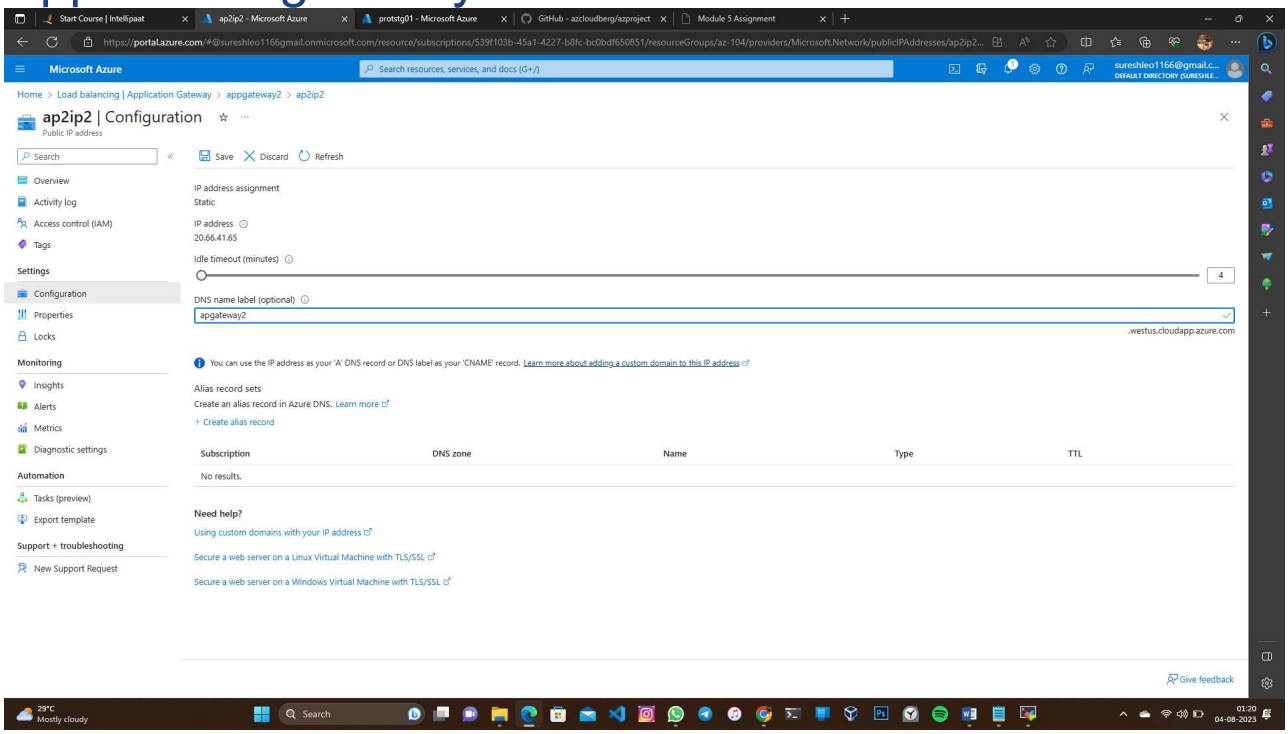


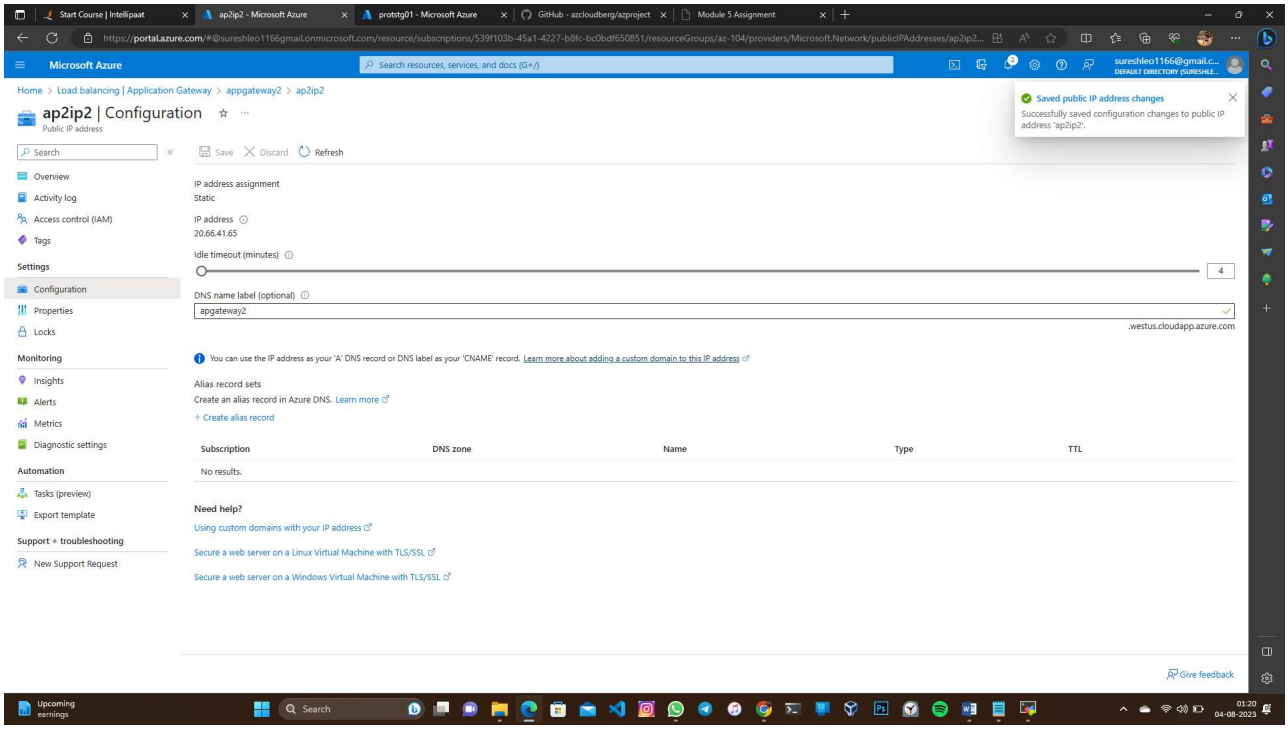
Add dns name in application gateway in frontend IP:

Application gateway-01:

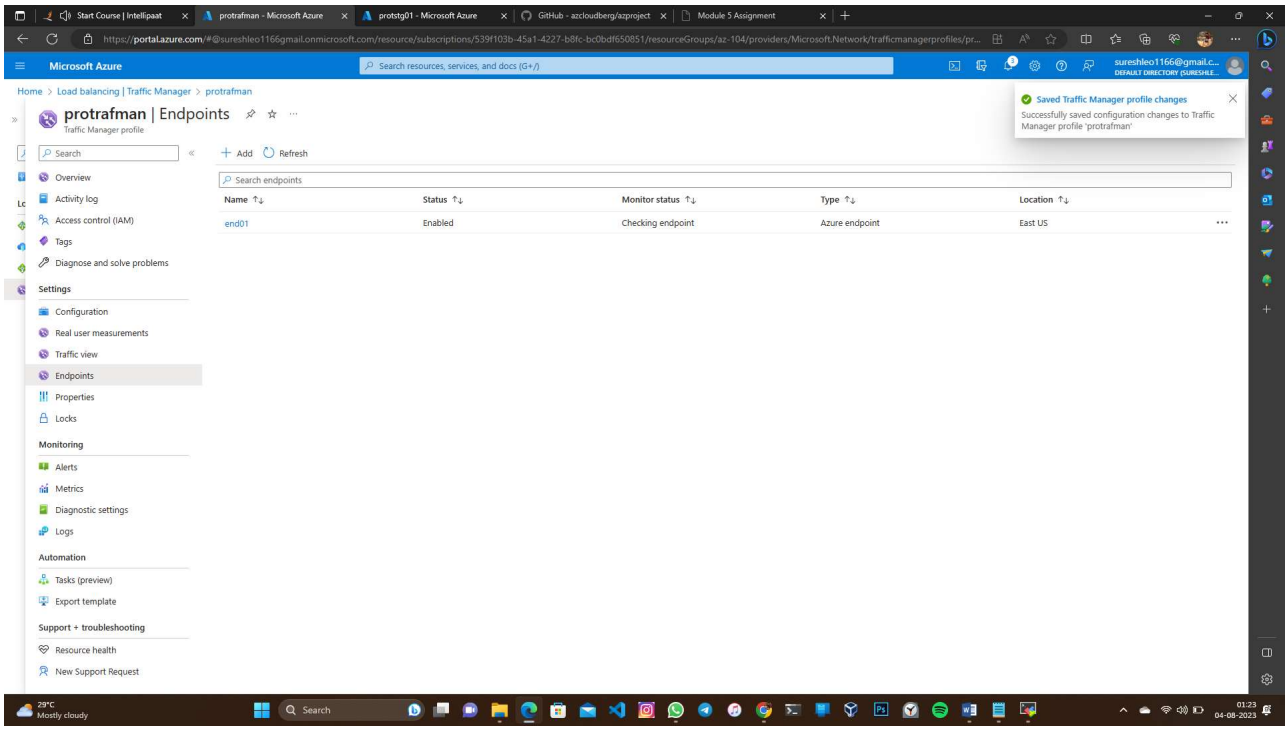


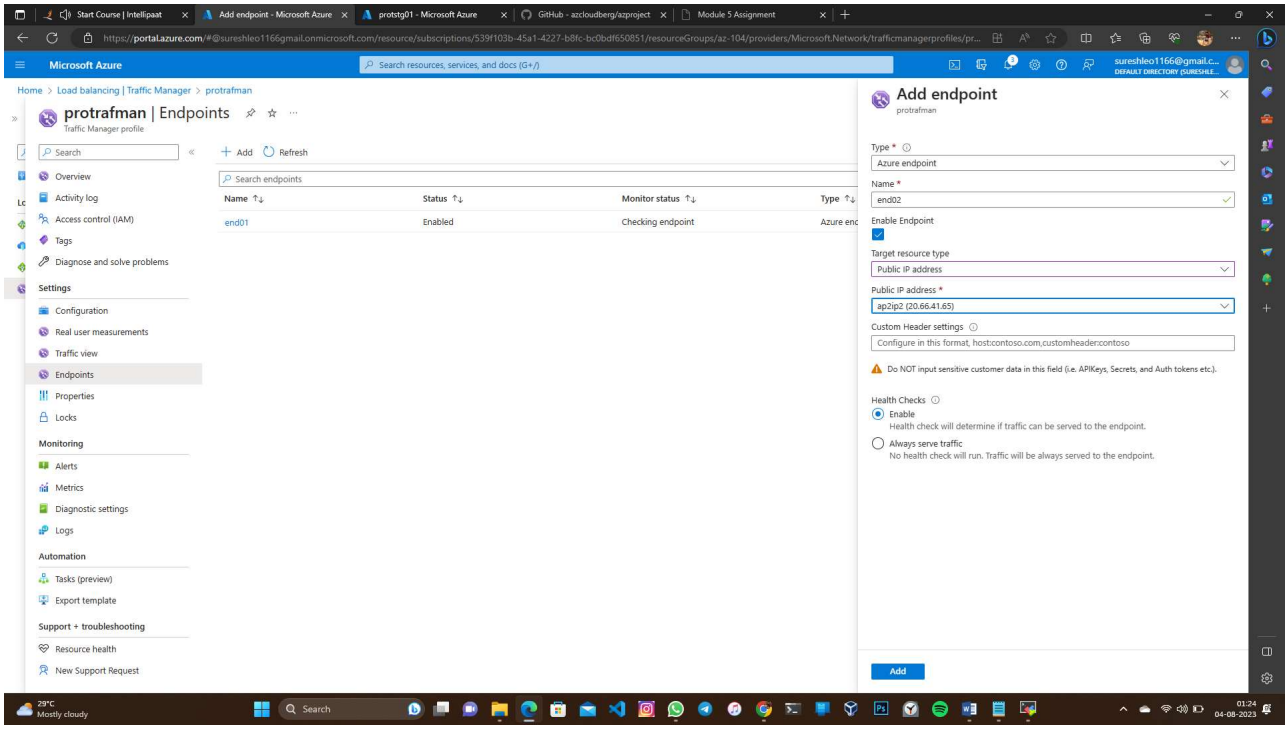
Application gateway-02:

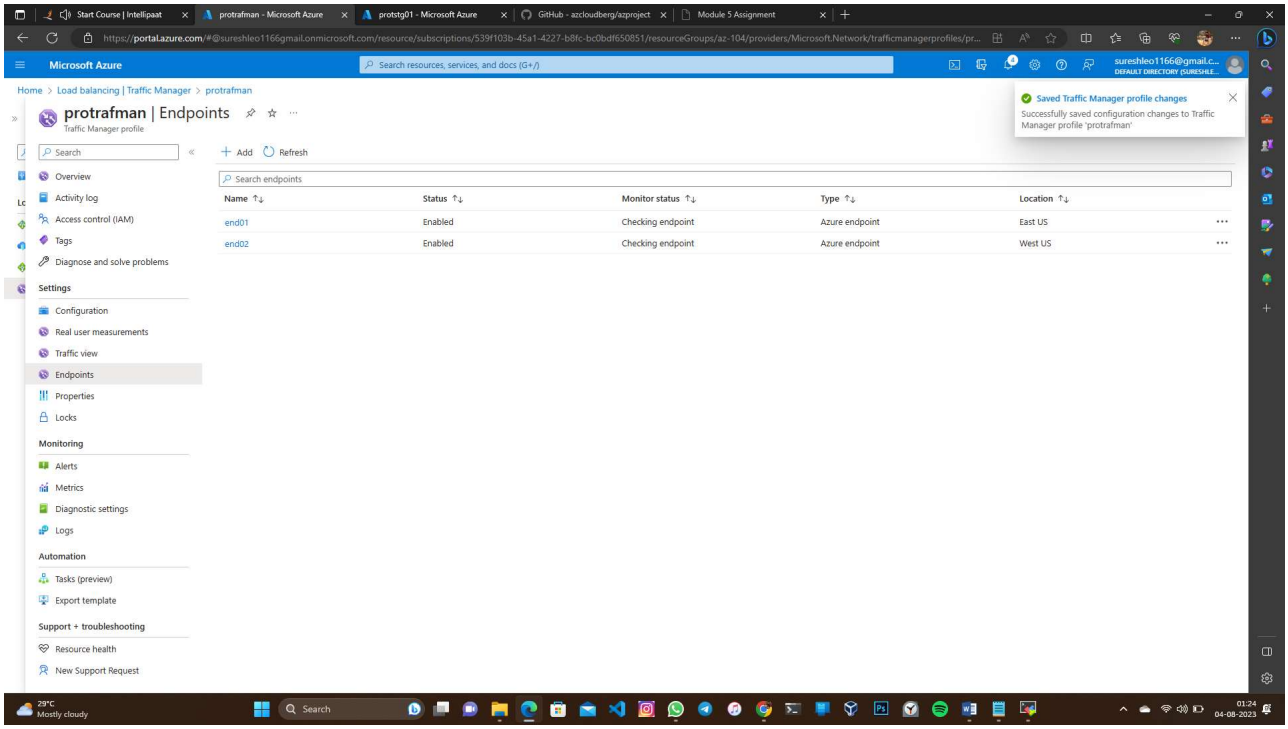




Add end points in Traffic Manager:



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Module 5 Assignment
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Metrics
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New Support Request
Name
Status
Monitor status
Type
Location
end01
Enabled
Checking endpoint
Azure endpoint
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end02
Enabled
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Done..!!!

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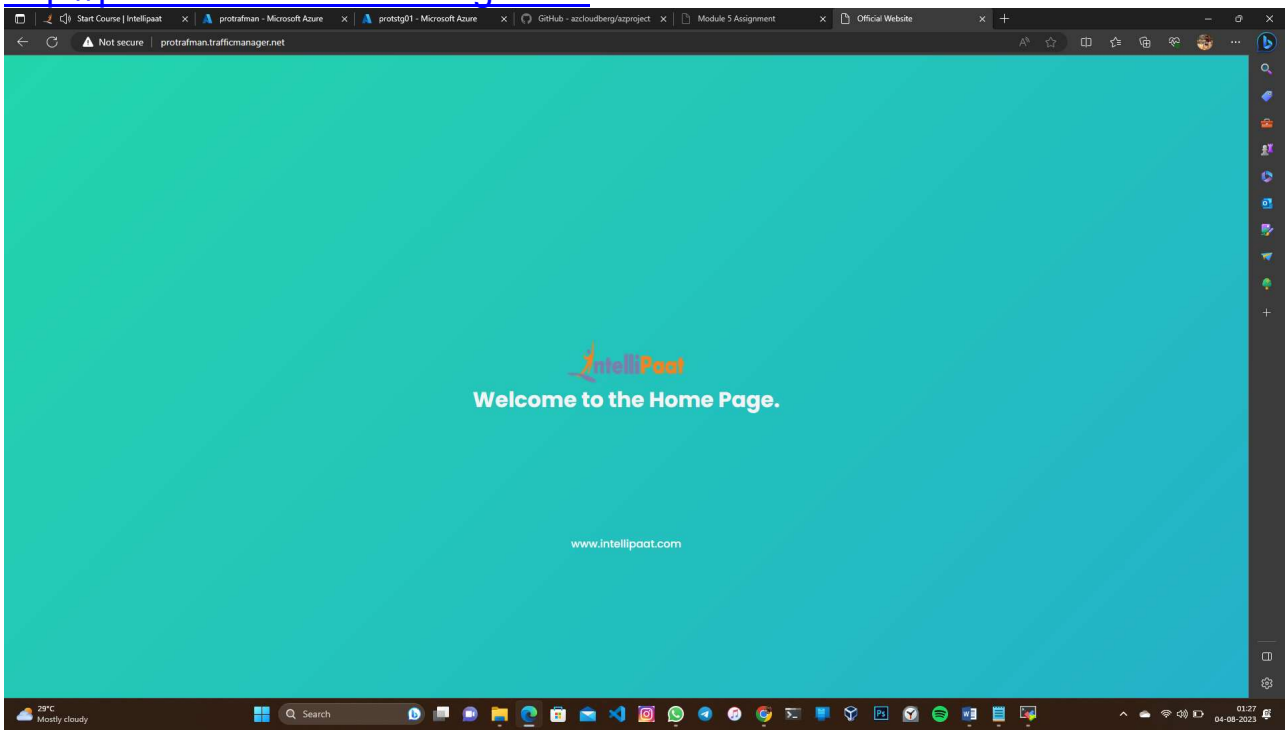

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