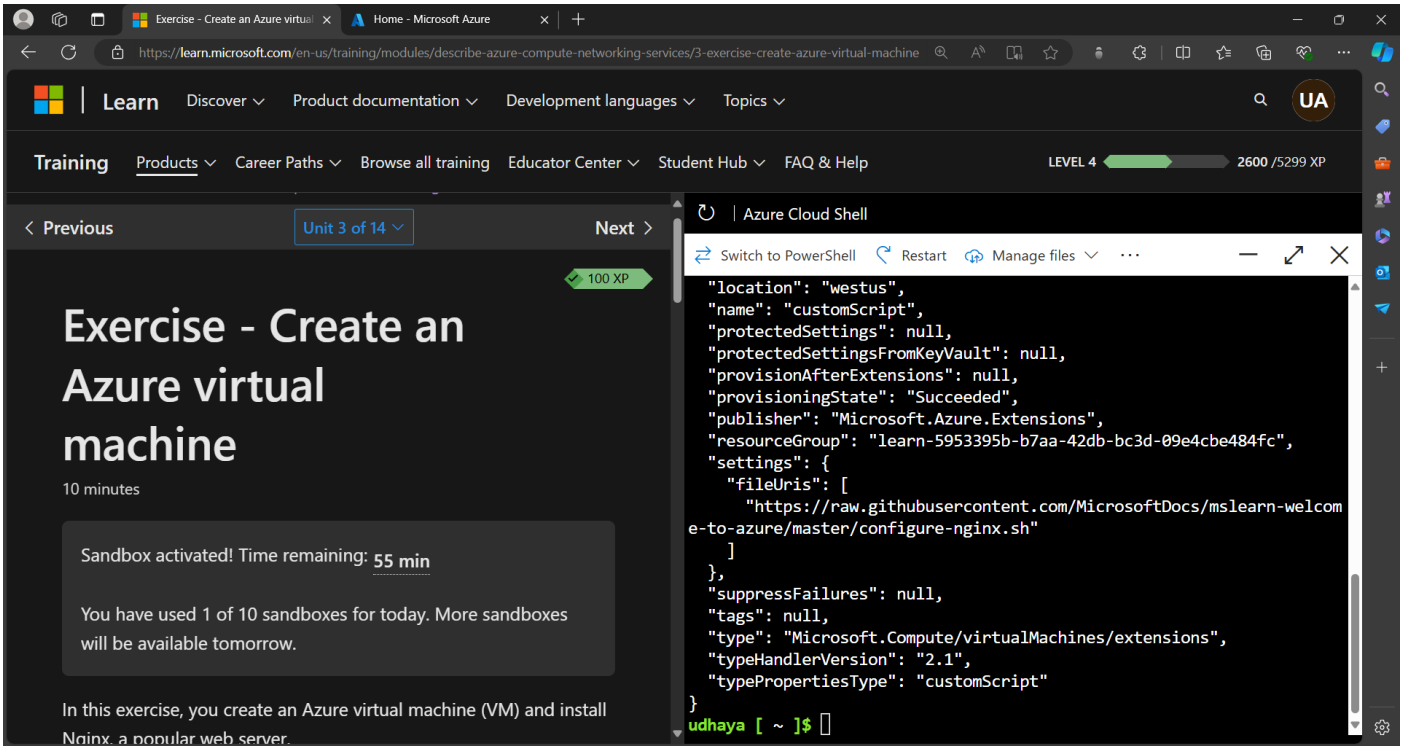
REPORT ON

MICROSOFT AZURE FUNDAMENTALS

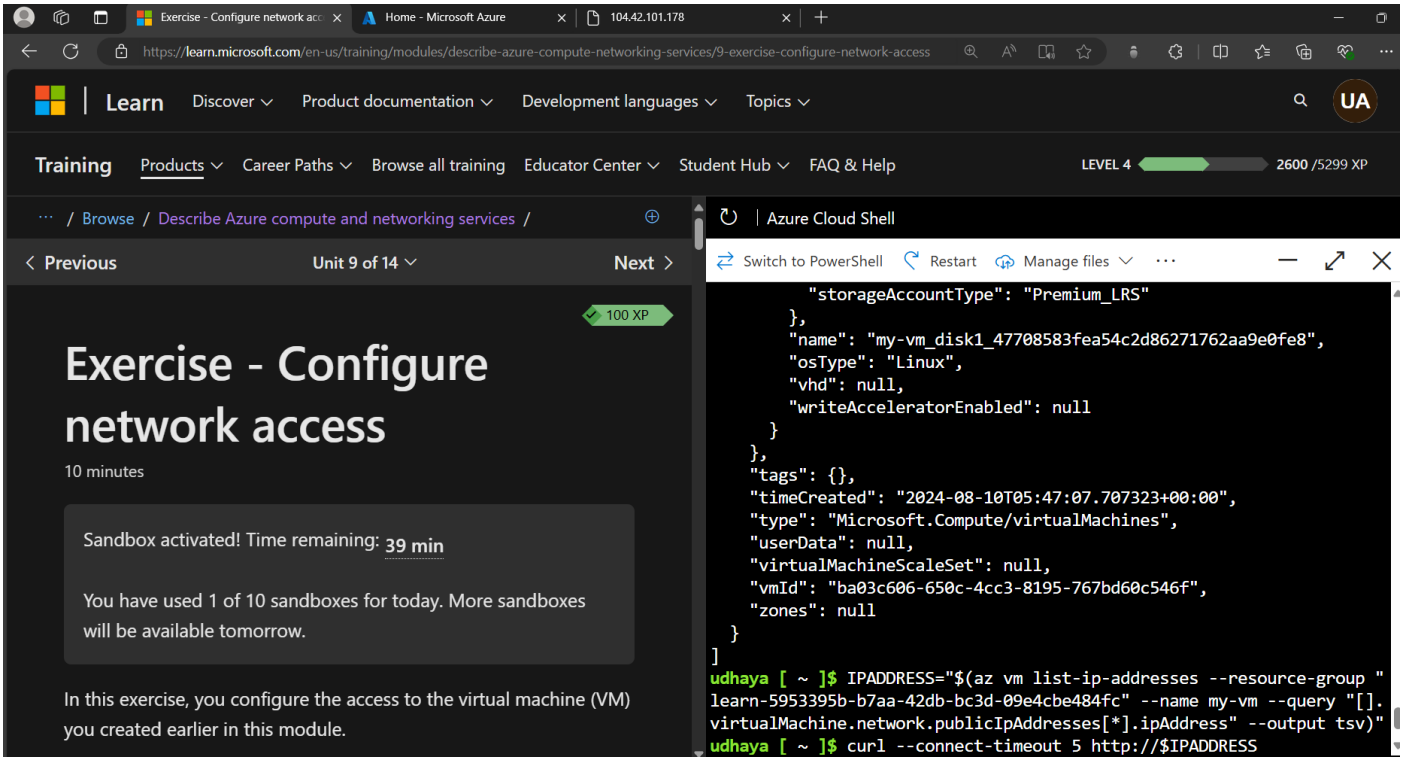
Name	UDHAYAGIRI A
Register No	710722104112
Department	III B.E CSE
Date	10.08.2024

1)Sandbox:

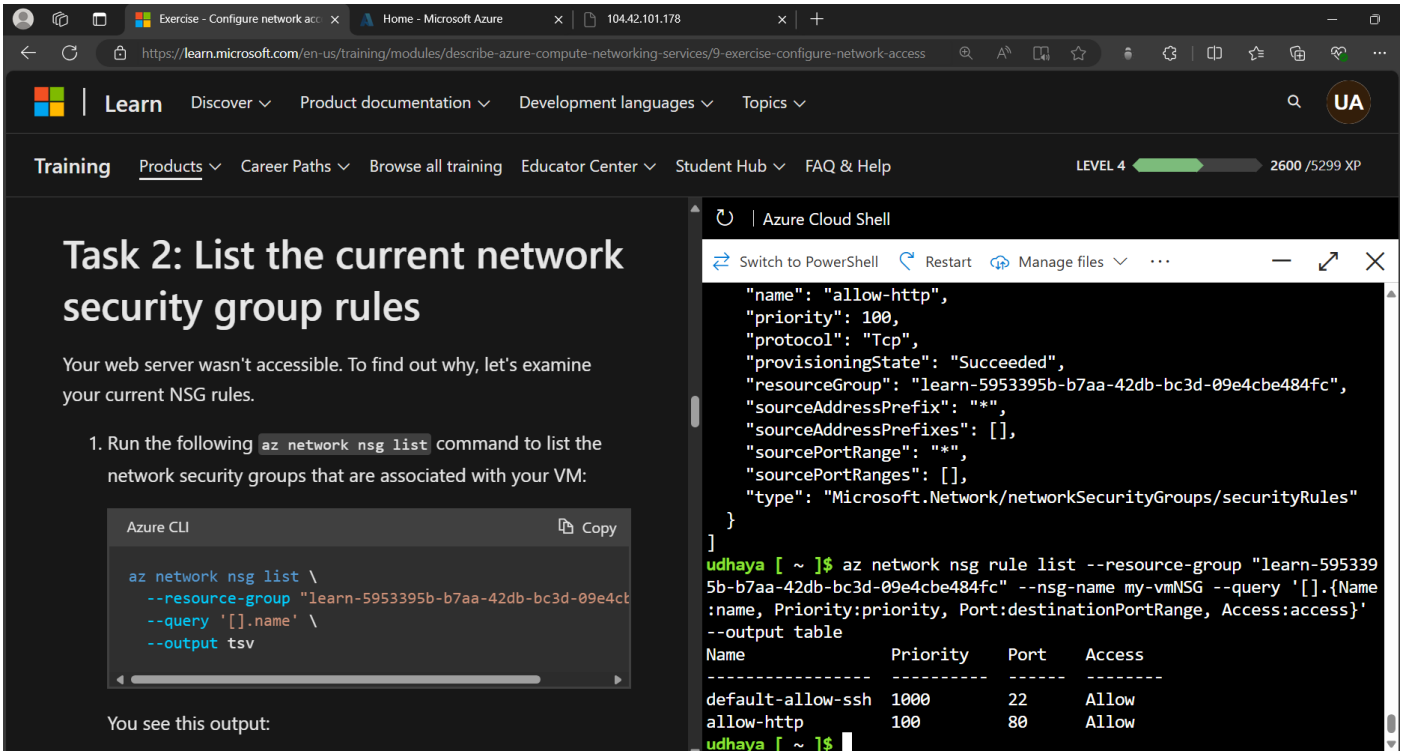
Create a Linux virtual machine and install Nginx



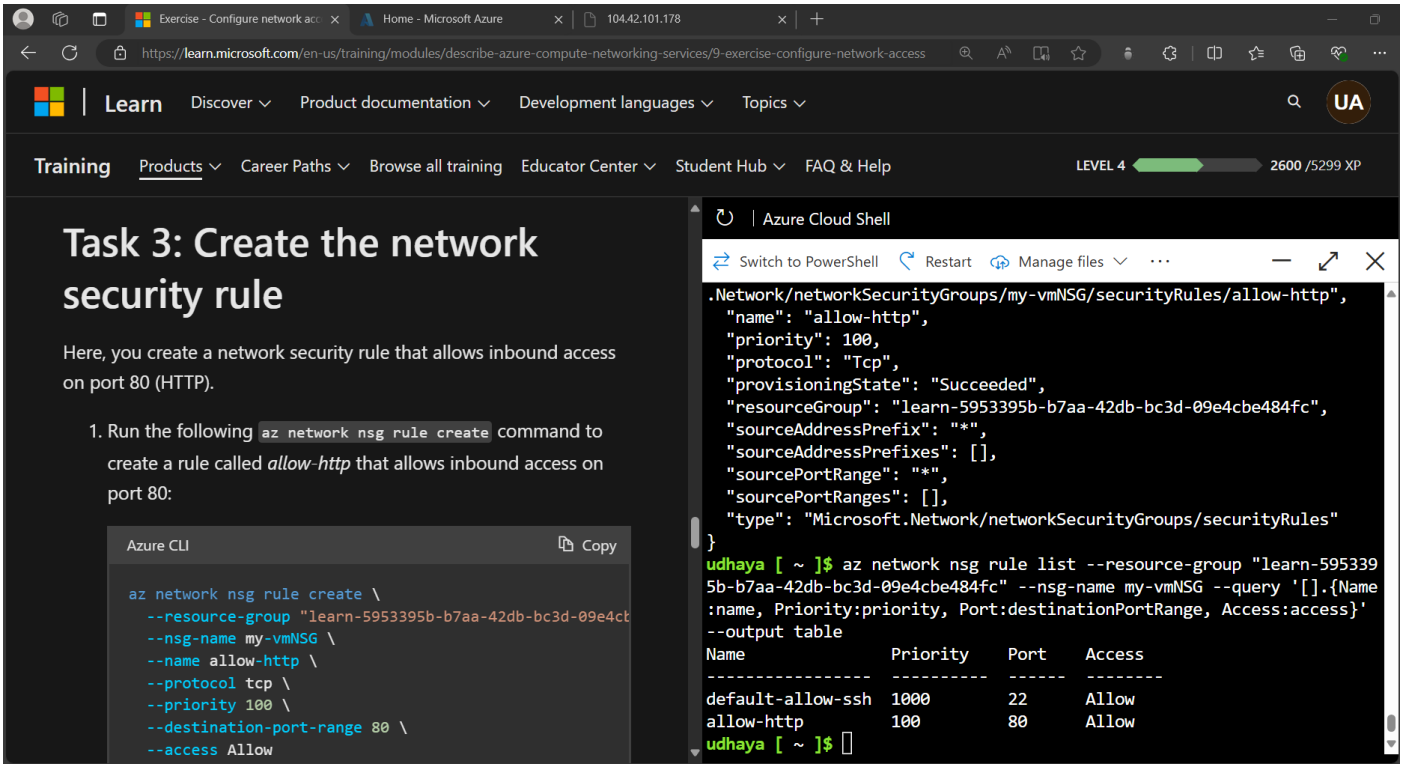
Access your web server



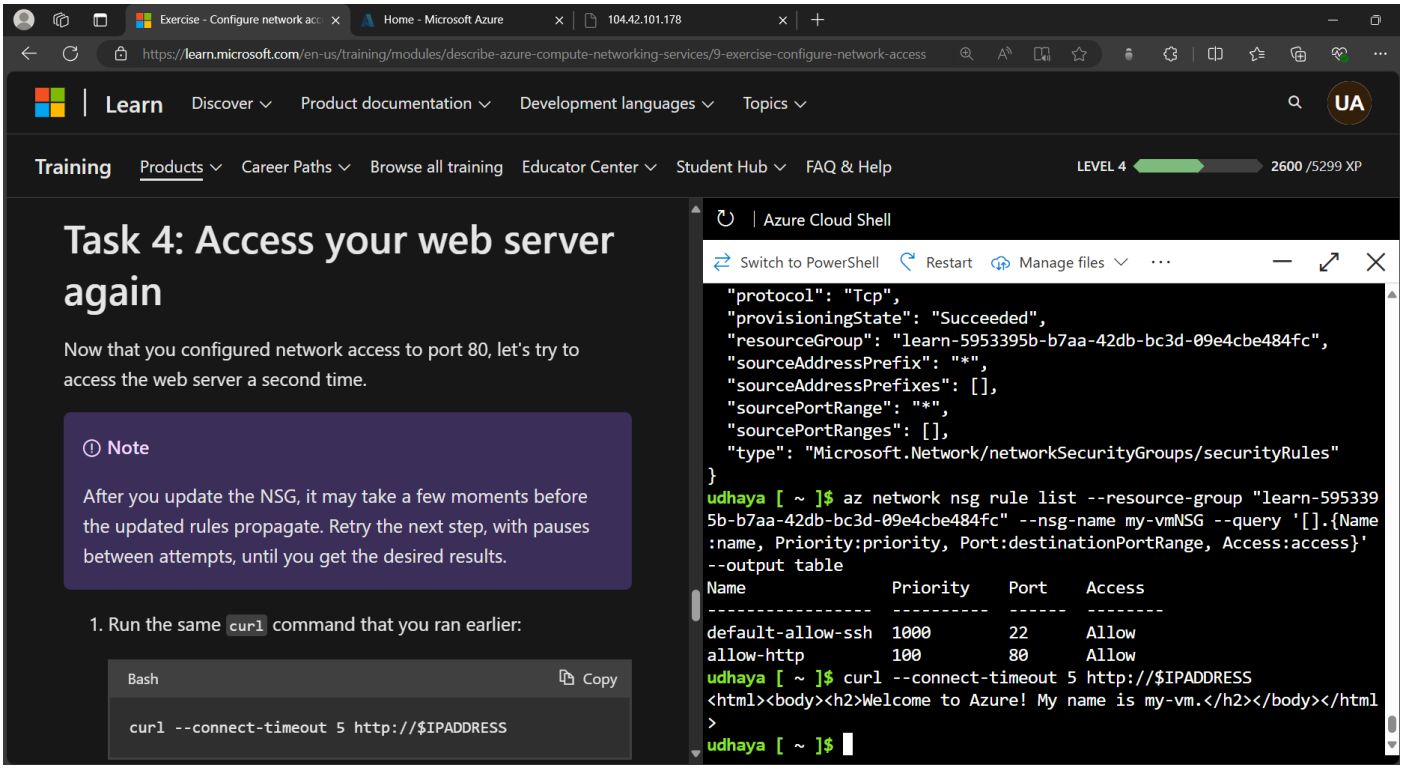
List the current network security group rules



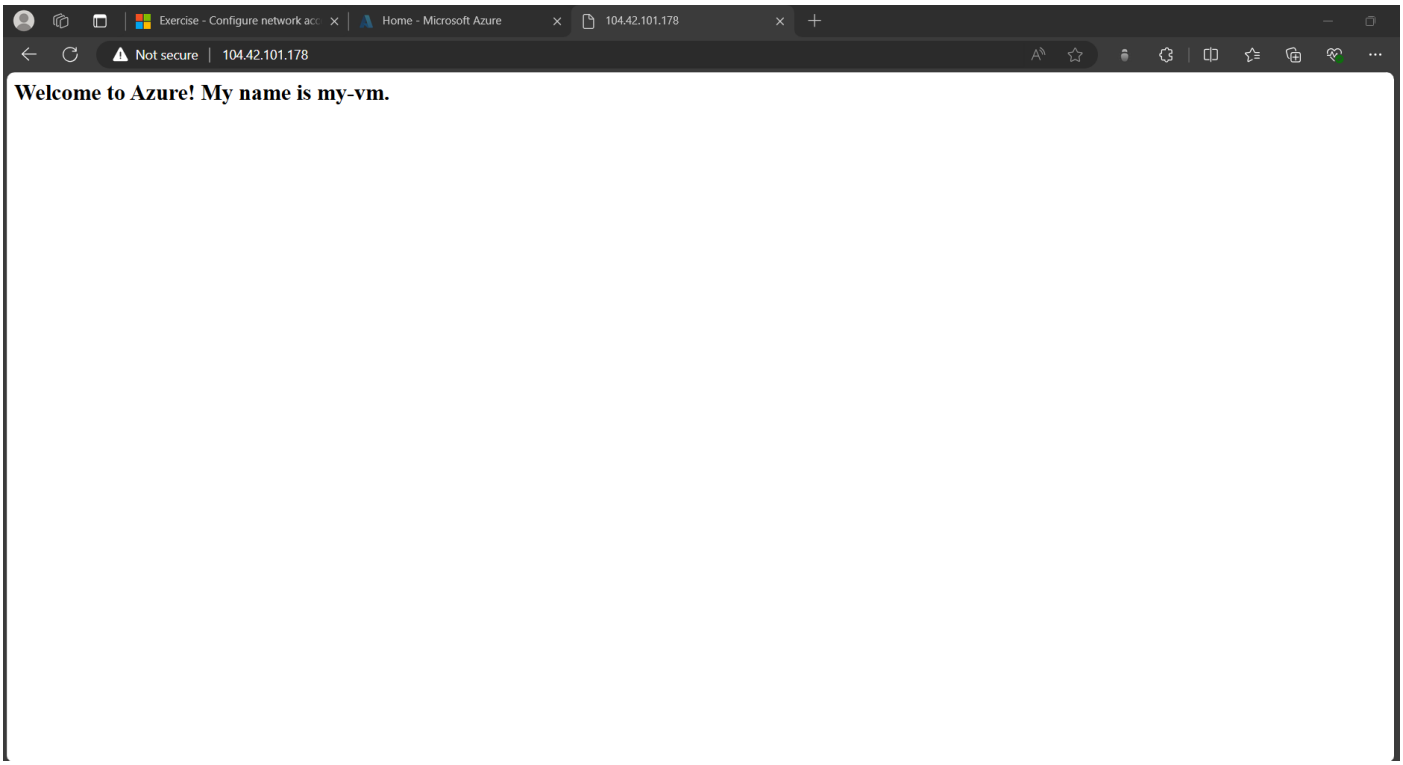
Create the network security rule



Access your web server again

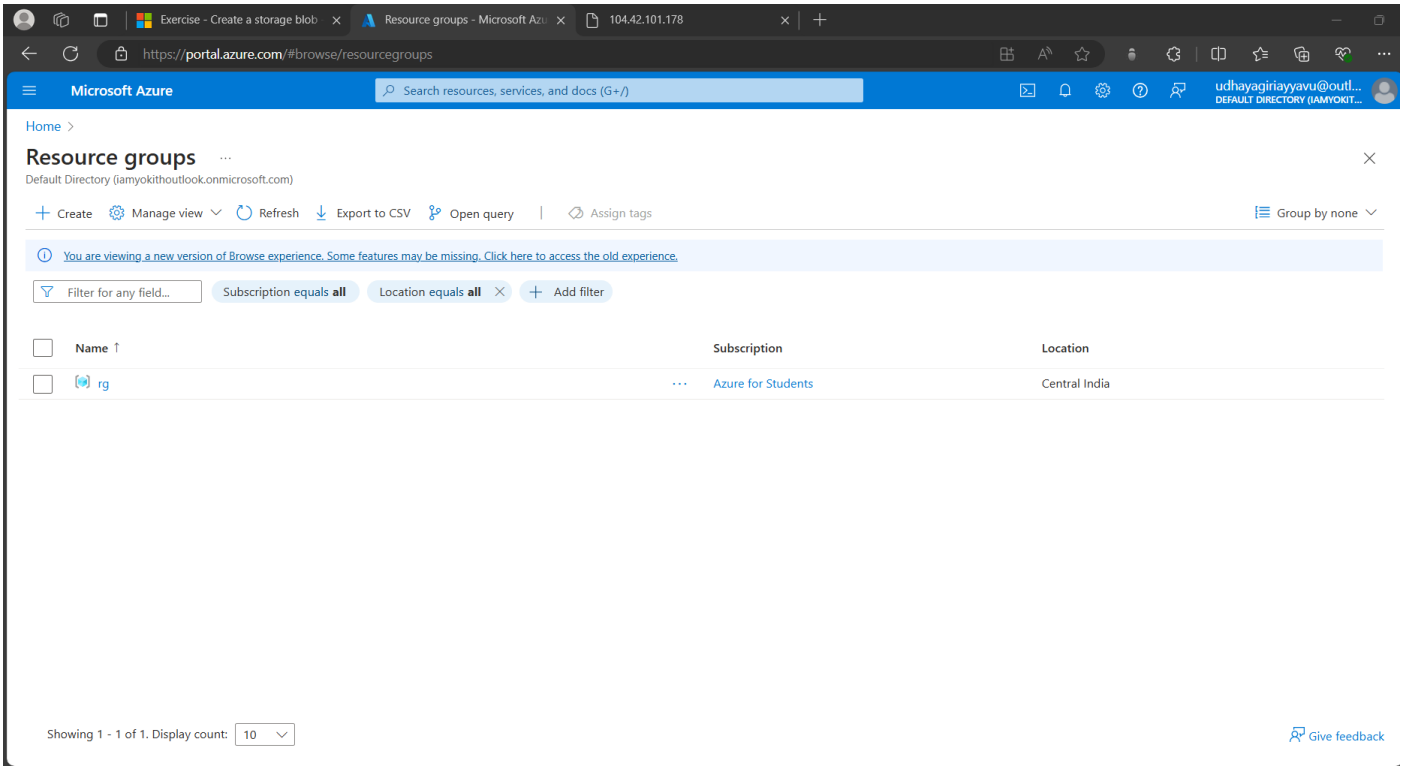


Final output:

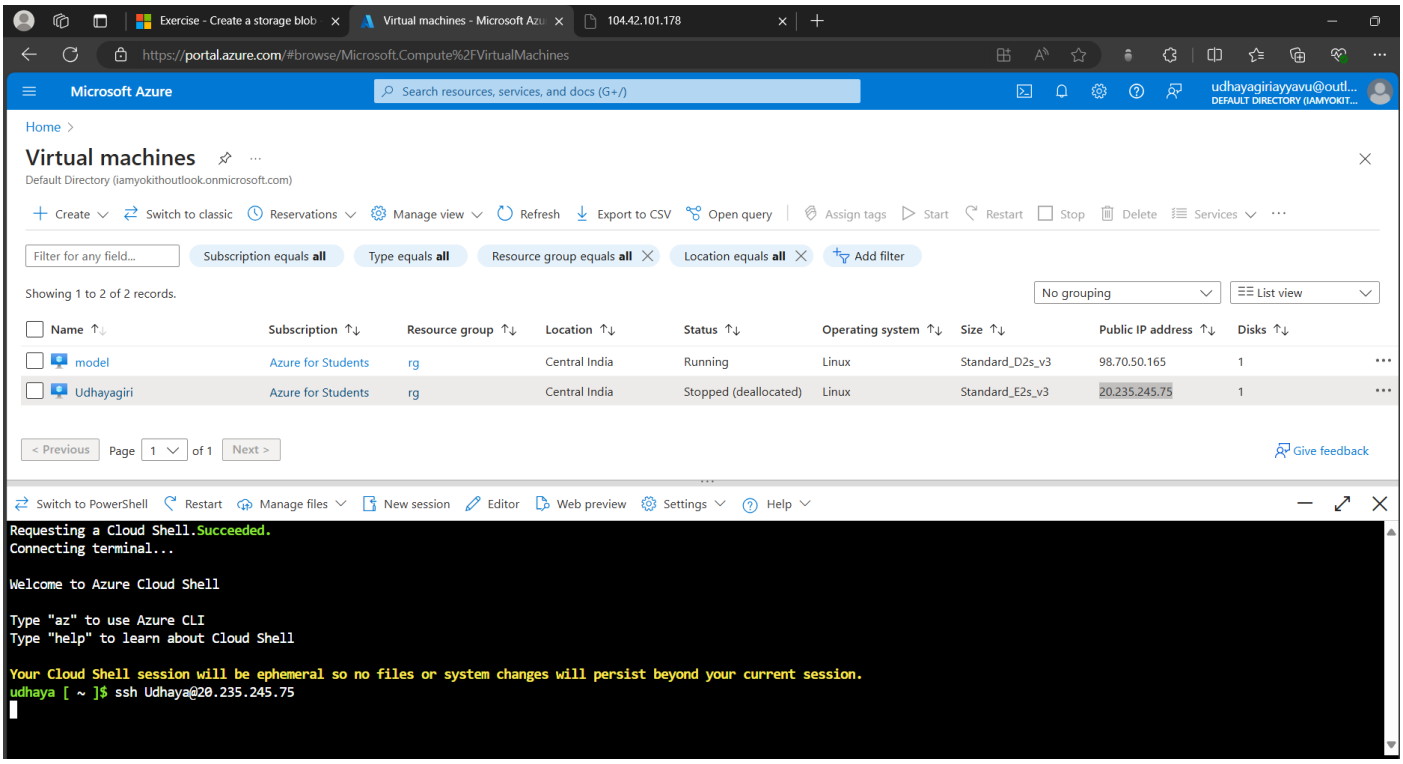


2) Azure Academic Services: Azure for Students

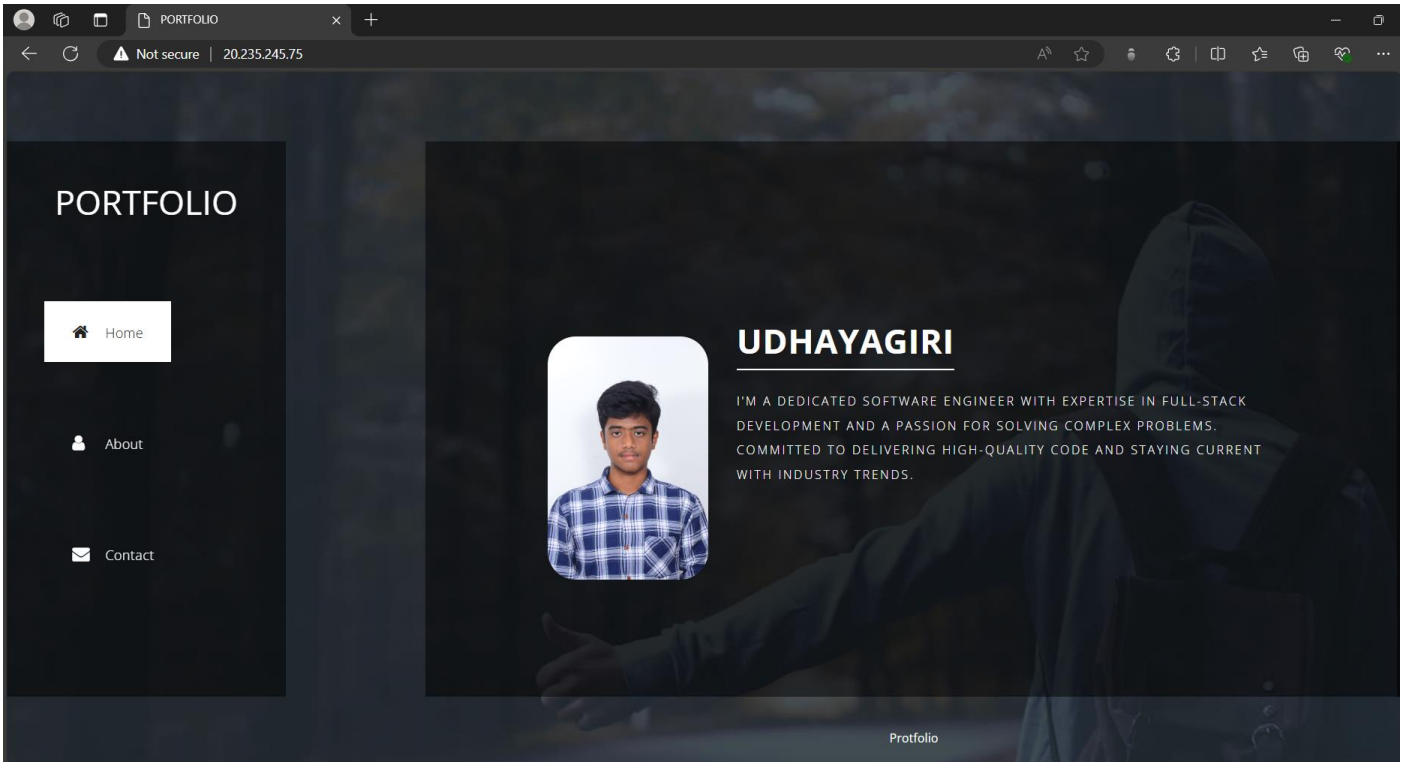
Creation of resource groups



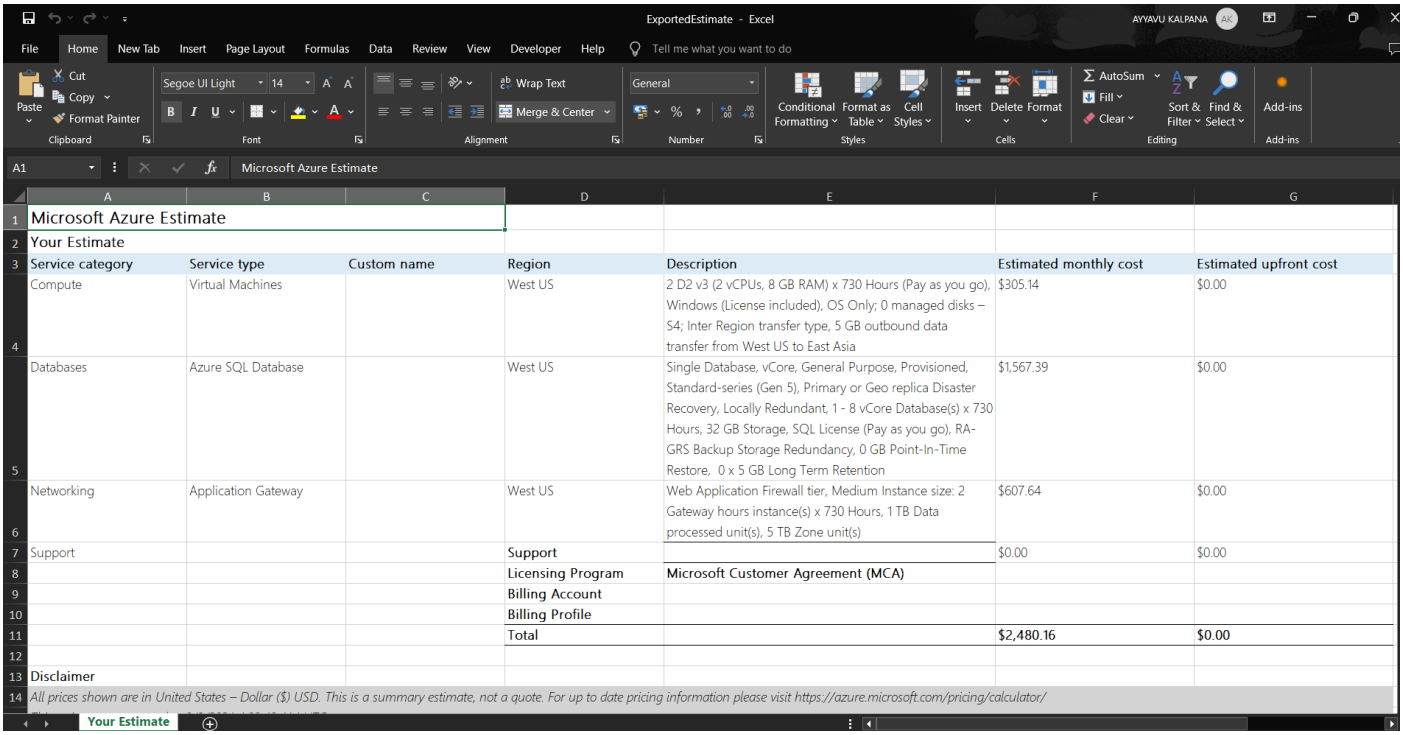
Creation of Virtual Machine



Hosting my portfolio using Azure Cloud Services



Pricing calculator



ExportedEstimate - Excel

Microsoft Azure Estimate

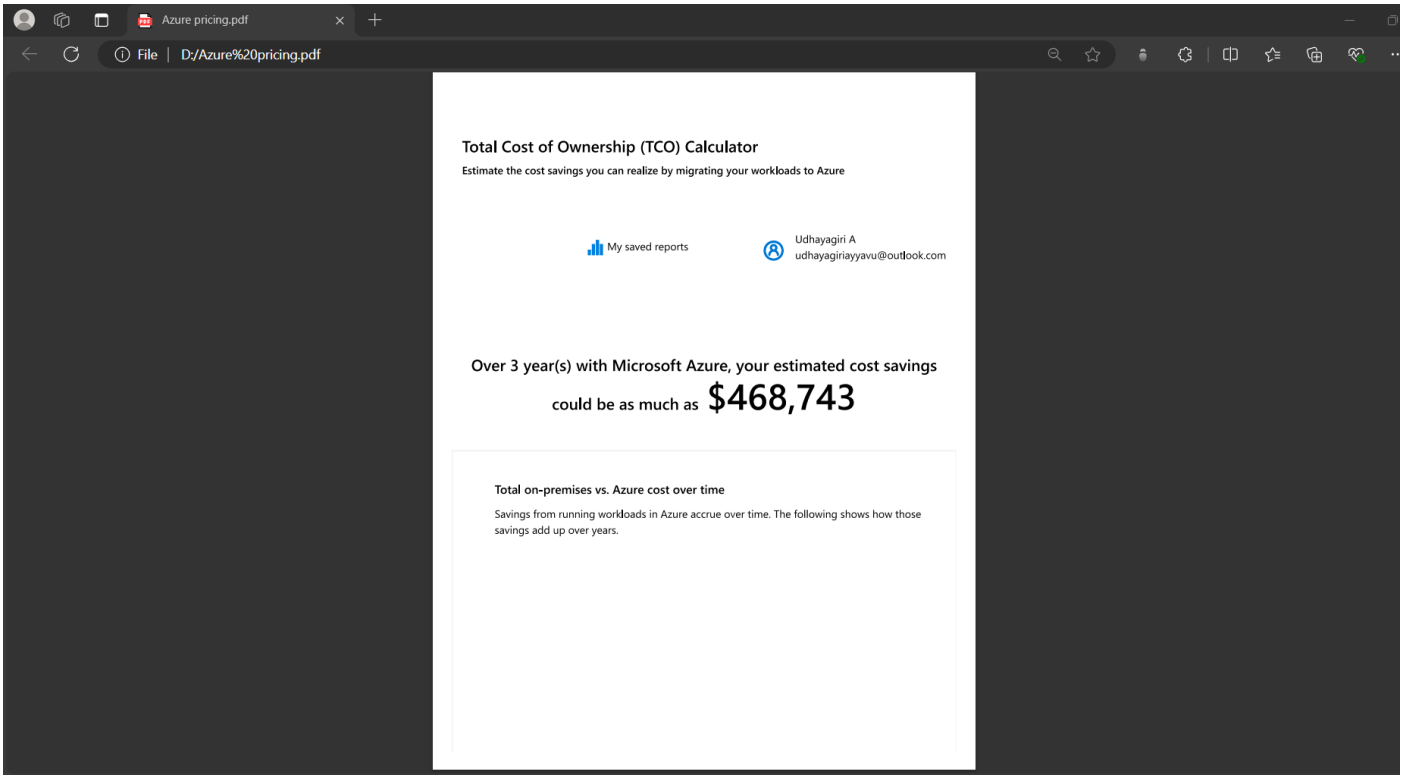
Your Estimate

Service category	Service type	Custom name	Region	Description	Estimated monthly cost	Estimated upfront cost
Compute	Virtual Machines		West US	2 D2 v3 (2 vCPUs, 8 GB RAM) x 730 Hours (Pay as you go), Windows (License included), OS Only; 0 managed disks – S4; Inter Region transfer type, 5 GB outbound data transfer from West US to East Asia	$305.14	$0.00
Databases	Azure SQL Database		West US	Single Database, vCore, General Purpose, Provisioned, Standard-series (Gen 5), Primary or Geo replica Disaster Recovery, Locally Redundant, 1 - 8 vCore Database(s) x 730 Hours, 32 GB Storage, SQL License (Pay as you go), RA-GRS Backup Storage Redundancy, 0 GB Point-In-Time Restore, 0 x 5 GB Long Term Retention	$1,567.39	$0.00
Networking	Application Gateway		West US	Web Application Firewall tier, Medium Instance size: 2 Gateway hours instance(s) x 730 Hours, 1 TB Data processed unit(s), 5 TB Zone unit(s)	$607.64	$0.00
Support			Support		$0.00	$0.00
			Licensing Program	Microsoft Customer Agreement (MCA)		
			Billing Account			
			Billing Profile			
			Total		$2,480.16	$0.00

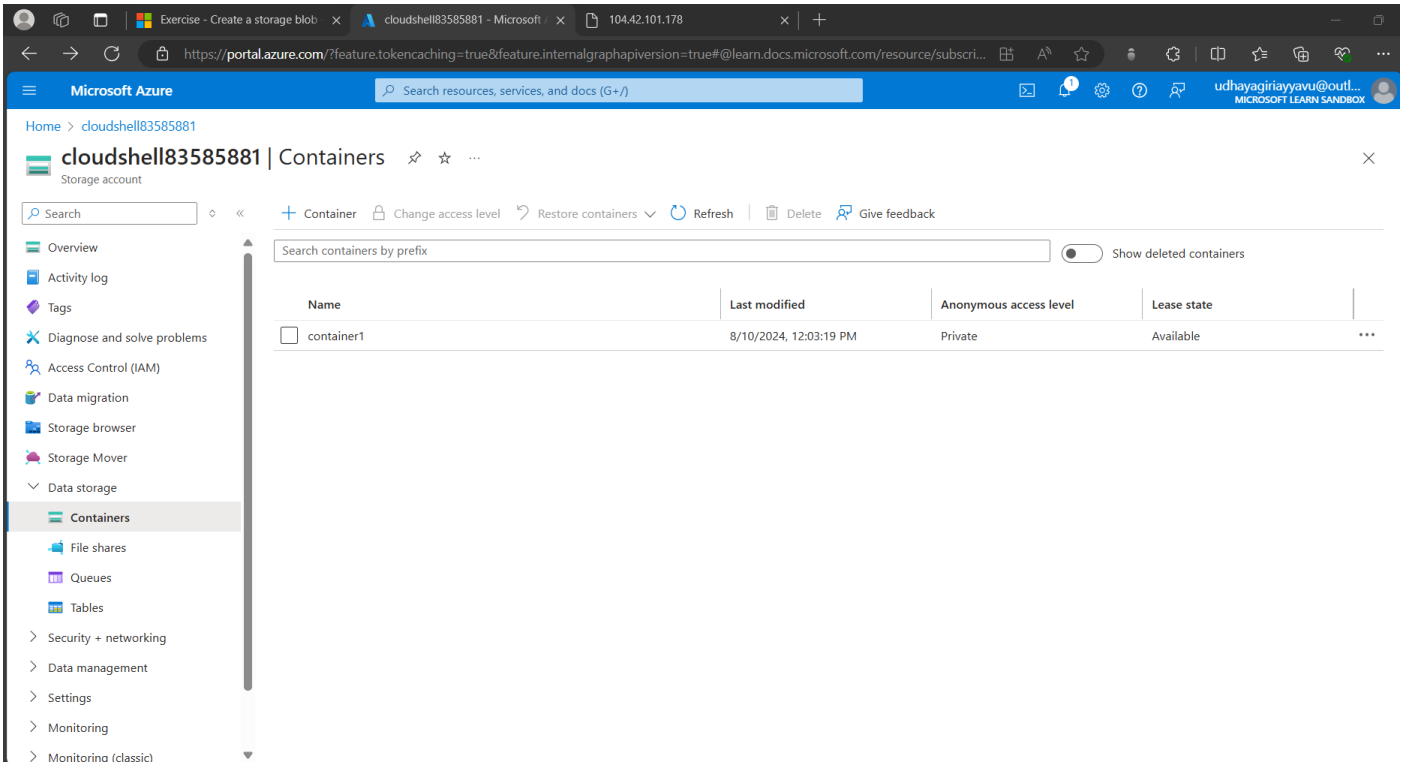
Disclaimer

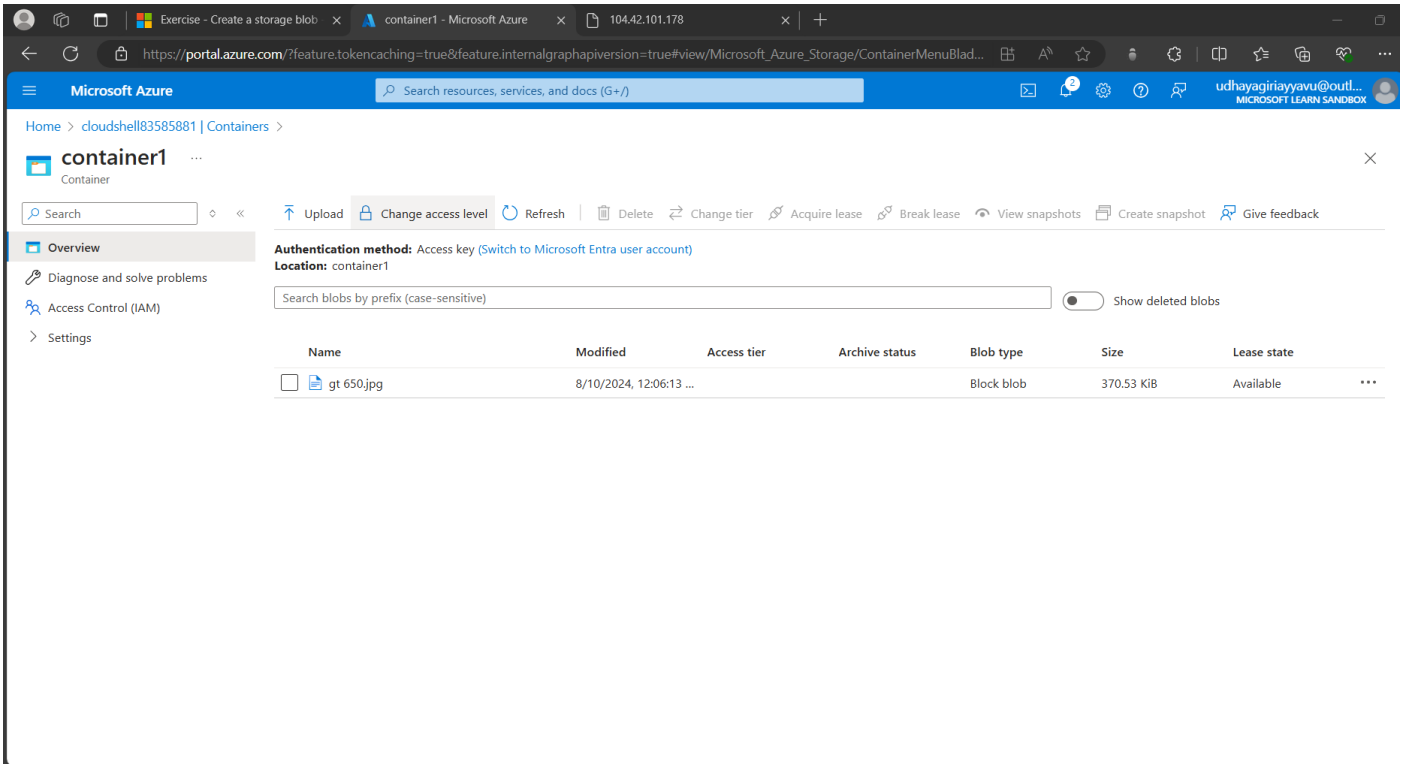
All prices shown are in United States – Dollar ($) USD. This is a summary estimate, not a quote. For up to date pricing information please visit https://azure.microsoft.com/pricing/calculator/

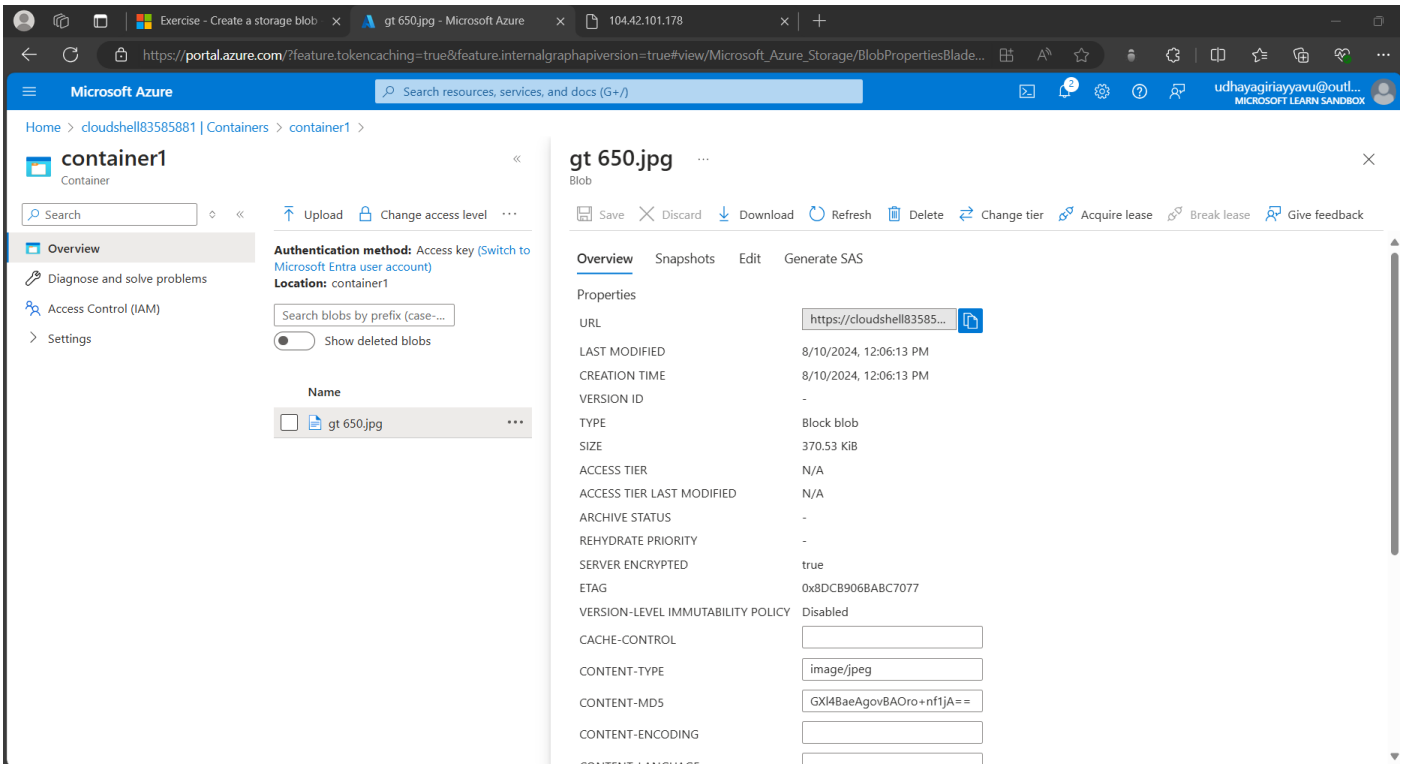
Total Cost of Ownership (TCO) Calculator

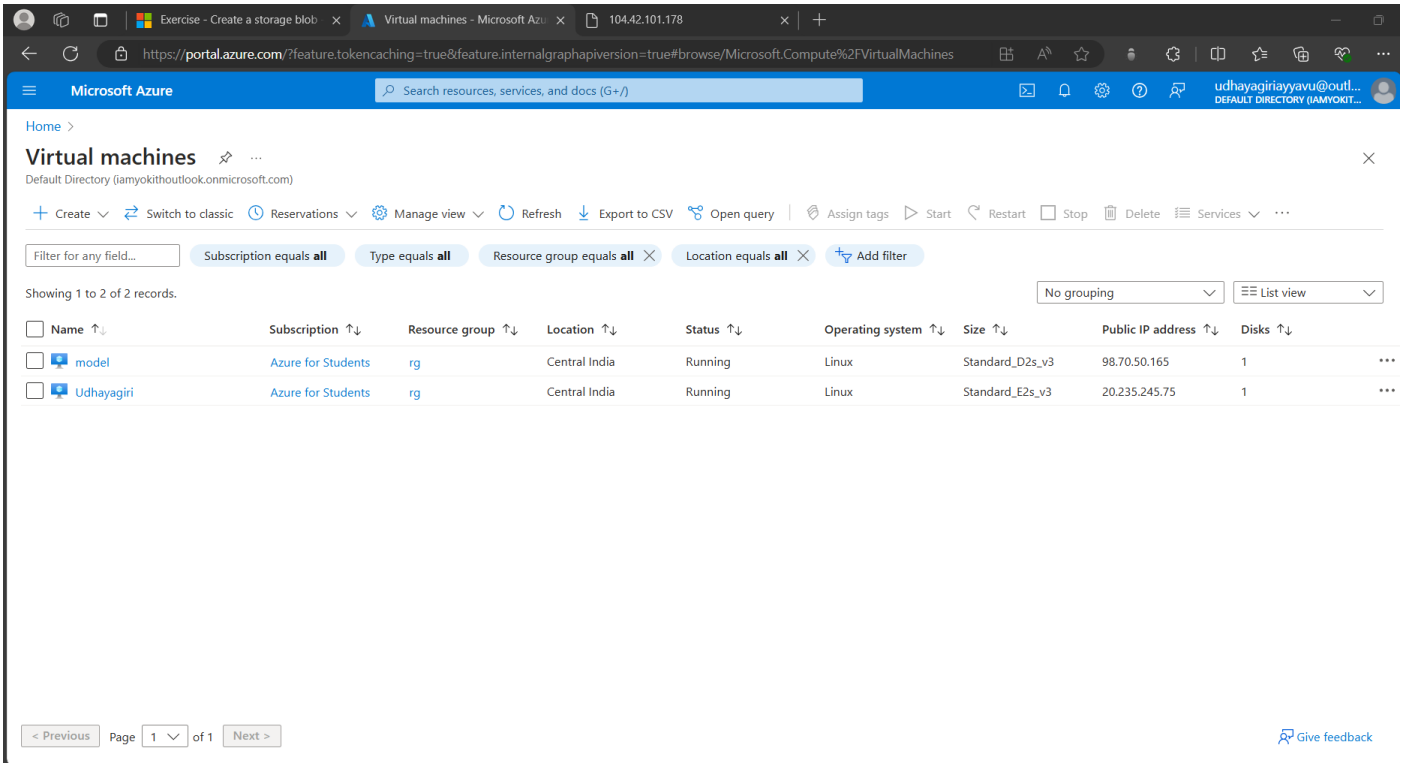


Creation of container




Exercise - Create a storage blob
container1 - Microsoft Azure
104.42.101.178
https://portal.azure.com/?feature.tokencaching=true&feature.internalgraphapiversion=true#view/Microsoft_Azure_Storage/ContainerMenuBlad...
Microsoft Azure
Search resources, services, and docs (G+/)
udhayagiriayyavu@outl...
MICROSOFT LEARN SANDBOX
Home > cloudshell83585881 | Containers >
container1
Container
Search
Overview
Diagnose and solve problems
Access Control (IAM)
Settings
Upload
Change access level
Refresh
Delete
Change tier
Acquire lease
Break lease
View snapshots
Create snapshot
Give feedback
Authentication method: Access key (Switch to Microsoft Entra user account)
Location: container1
Search blobs by prefix (case-sensitive)
Show deleted blobs
Name
Modified
Access tier
Archive status
Blob type
Size
Lease state
gt 650.jpg
8/10/2024, 12:06:13 ...
Block blob
370.53 KiB
Available


Exercise - Create a storage blob
gt 650.jpg - Microsoft Azure
104.42.101.178
https://portal.azure.com/?feature.tokencaching=true&feature.internalgraphapiversion=true#view/Microsoft_Azure_Storage/BlobPropertiesBlade...
Microsoft Azure
Search resources, services, and docs (G+/)
udhayagiriayyavu@outl...
MICROSOFT LEARN SANDBOX
Home > cloudshell83585881 | Containers > container1 >
container1
Container
gt 650.jpg
Blob
Save
Discard
Download
Refresh
Delete
Change tier
Acquire lease
Break lease
Give feedback
Overview
Snapshots
Edit
Generate SAS
Properties
URL
https://cloudshell83585...
LAST MODIFIED
8/10/2024, 12:06:13 PM
CREATION TIME
8/10/2024, 12:06:13 PM
VERSION ID
-
TYPE
Block blob
SIZE
370.53 KiB
ACCESS TIER
N/A
ACCESS TIER LAST MODIFIED
N/A
ARCHIVE STATUS
-
REHYDRATE PRIORITY
-
SERVER ENCRYPTED
true
ETAG
0x8DCB906BABC7077
VERSION-LEVEL IMMUTABILITY POLICY
Disabled
CACHE-CONTROL
CONTENT-TYPE
image/jpeg
CONTENT-MD5
GXl4BaeAgovBAOro+nf1jA==
CONTENT-ENCODING


Exercise - Create a storage blob
Virtual machines - Microsoft Azu
104.42.101.178
https://portal.azure.com/?feature.tokencaching=true&feature.internalgraphapiversion=true#browse/Microsoft.Compute%2FVirtualMachines
Microsoft Azure
Search resources, services, and docs (G+/)
udhayagiriayyavu@outl...
DEFAULT DIRECTORY (IAMYOKIT...
Home
Virtual machines
Default Directory (iamyokithoutlook.onmicrosoft.com)
Create
Switch to classic
Reservations
Manage view
Refresh
Export to CSV
Open query
Assign tags
Start
Restart
Stop
Delete
Services
Filter for any field...
Subscription equals all
Type equals all
Resource group equals all
Location equals all
Add filter
Showing 1 to 2 of 2 records.
No grouping
List view
Name
Subscription
Resource group
Location
Status
Operating system
Size
Public IP address
Disks
model
Azure for Students
rg
Central India
Running
Linux
Standard_D2s_v3
98.70.50.165
1
Udhayagiri
Azure for Students
rg
Central India
Running
Linux
Standard_E2s_v3
20.235.245.75
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Next >
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