MICROSOFT AZURE

Name : RITHANYA V

Department: B.Tech AI&DS

GitHub : https://github.com/RITHANYA-12/RITHANYA.V-MICROSOFT-AZURE.git

1.REQUESTING A CLOUD SHELL SUCCEEDED.

Sandbox:

Welcome to Azure Cloud Shell

- az vm create --resource-group "learn-d7d25c2a-e2v0-417b-b17b-1dda70ce547f" --name my-vm --public-ip-sku Standard --image Ubuntu2204 --admin-username azureuser --generate-ssh-keys

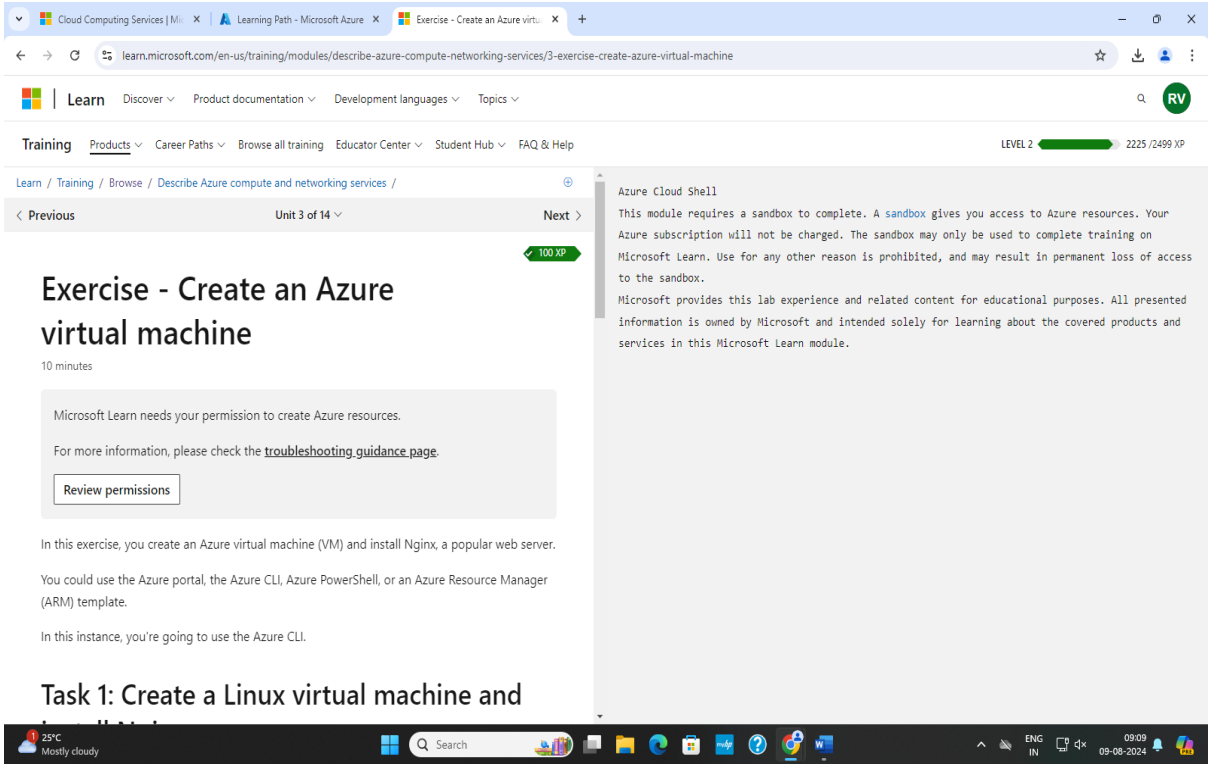
- az vm extension set --resource-group "learn-d7d25c2a-e2v0-417b-b17b-1dda70ce547f" --vm-name my-vm --name customScript --publisher Microsoft.Azure.Extensions --version 2.1 --settings '{"fileUris":["https://raw.githubusercontent.com/MicrosoftDocs/mslearn-welcome-to-azure/master/configure-nginx.sh"]}' --protected-settings '{"commandToExecute": "./configure-nginx.sh"}'

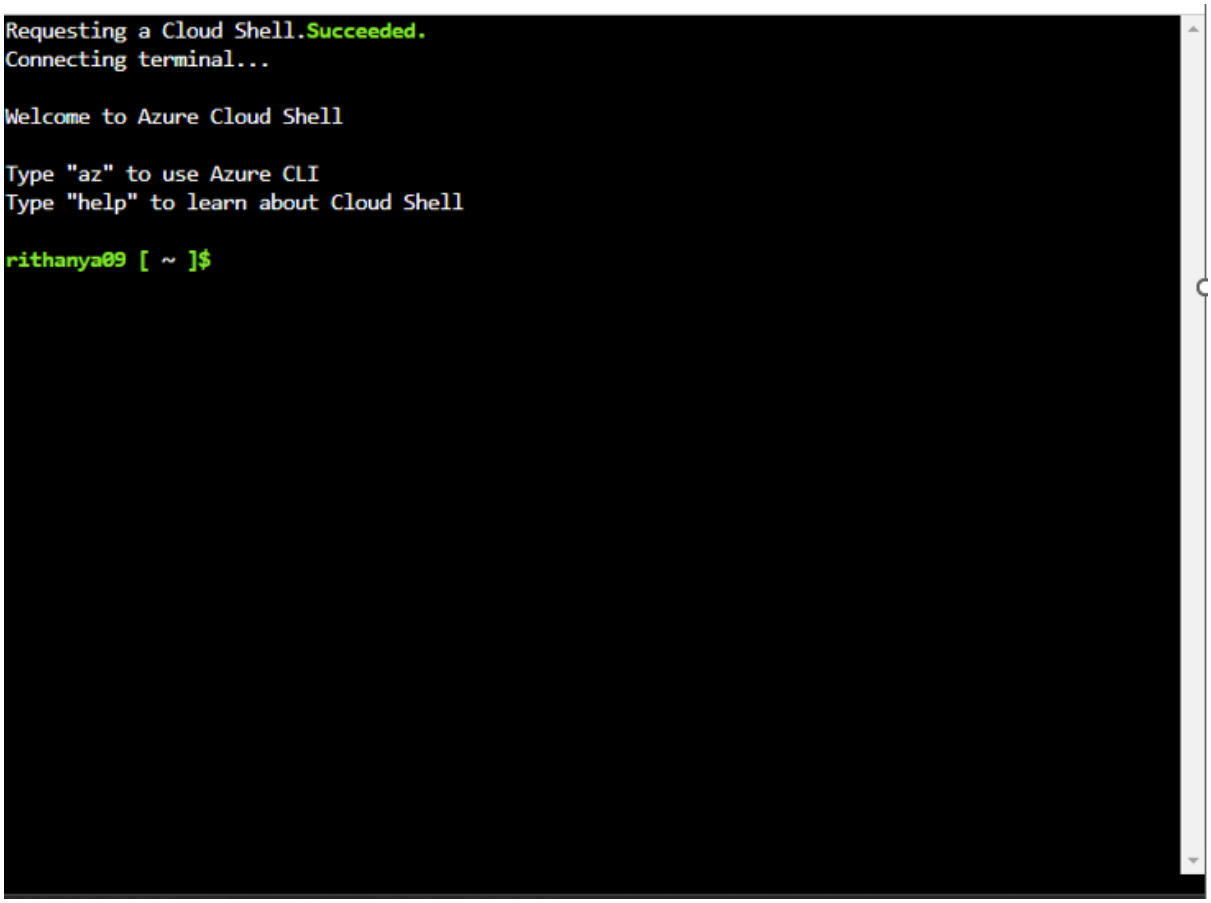
- sudo apt-get update

- ssh azureuser@ 13.73.53.142
- echo "sudo apt-get update -y
- sudo apt-get install nginx -y
- sudo systemctl start nginx
- sudo systemctl enable nginx" > setup_nginx.sh
- chmod +x setup_nginx.sh
- ./setup_nginx.sh

- echo "<html><body><h2>Welcome to Azure! My name is $(hostname).</h2></body></html>" | sudo tee -a /var/www/html/index.html
- sudo systemctl status nginx
- az vm open-port --resource-group "learn-d7d25c2a-e2v0-417b-b17b-1dda70ce547f"--name my-vm --port 80
- az vm list-ip-addresses --resource-group "learn-d7d25c2a-e2v0-417b-b17b-1dda70ce547f" --name my-vm --output table
- ssh azureuser@ 13.73.53.142
- sudo apt-get update
- git clone https://github.com/RITHANYA-12/webpage.git
- sudo cp -r webpage/* /var/www/html/
- sudo chown -R www-data:www-data /var/www/html
- sudo chmod -R 755 /var/www/html
- sudo systemctl restart nginx

WORKING:


Cloud Computing Services | Mi
Learning Path - Microsoft Azure
Exercise - Create an Azure virtu
learn.microsoft.com/en-us/training/modules/describe-azure-compute-networking-services/3-exercise-create-azure-virtual-machine
Learn
Discover
Product documentation
Development languages
Topics
RV
Training
Products
Career Paths
Browse all training
Educator Center
Student Hub
FAQ & Help
LEVEL 2
2225 /2499 XP
Learn / Training / Browse / Describe Azure compute and networking services /
Previous
Unit 3 of 14
Next
100 XP
Exercise - Create an Azure virtual machine
10 minutes
Microsoft Learn needs your permission to create Azure resources.
For more information, please check the troubleshooting guidance page.
Review permissions
In this exercise, you create an Azure virtual machine (VM) and install Nginx, a popular web server.
You could use the Azure portal, the Azure CLI, Azure PowerShell, or an Azure Resource Manager (ARM) template.
In this instance, you're going to use the Azure CLI.
Task 1: Create a Linux virtual machine and
Azure Cloud Shell
This module requires a sandbox to complete. A sandbox gives you access to Azure resources. Your Azure subscription will not be charged. The sandbox may only be used to complete training on Microsoft Learn. Use for any other reason is prohibited, and may result in permanent loss of access to the sandbox.
Microsoft provides this lab experience and related content for educational purposes. All presented information is owned by Microsoft and intended solely for learning about the covered products and services in this Microsoft Learn module.
25°C
Mostly cloudy
Search
ENG
IN
09:09
09-08-2024


Requesting a Cloud Shell.Succeeded.
Connecting terminal...
Welcome to Azure Cloud Shell
Type "az" to use Azure CLI
Type "help" to learn about Cloud Shell
rithanya09 [~]$

```
rithanya09 [ ~ ]$ az vm create --resource-group "learn-d7d25c2a-e2b0-417b-b17b-1dda70ce547f" --na
me my-vm --public-ip-sku Standard --image Ubuntu2204 --admin-username azureuser --generate-ssh-ke
ys
SSH key files '/home/rithanya09/.ssh/id_rsa' and '/home/rithanya09/.ssh/id_rsa.pub' have been gen
erated under ~/.ssh to allow SSH access to the VM. If using machines without permanent storage, b
ack up your keys to a safe location.
{
  "fqdns": "",
  "id": "/subscriptions/16982123-2d3c-44ce-ab2d-0c419f4ce699/resourceGroups/learn-d7d25c2a-e2b0-4
17b-b17b-1dda70ce547f/providers/Microsoft.Compute/virtualMachines/my-vm",
  "location": "westus",
  "macAddress": "00-22-48-03-DF-07",
  "powerState": "VM running",
  "privateIpAddress": "10.0.0.4",
  "publicIpAddress": "13.73.53.142",
  "resourceGroup": "learn-d7d25c2a-e2b0-417b-b17b-1dda70ce547f",
  "zones": ""
}
```

```
rithanya09 [ ~ ]$ az vm extension set --resource-group "learn-d7d25c2a-e2b0-417b-b17b-1dda70ce547
f" --vm-name my-vm --name customScript --publisher Microsoft.Azure.Extensions --version 2.1 --set
tings '{"fileUris":["https://raw.githubusercontent.com/MicrosoftDocs/mslearn-welcome-to-azure/mas
ter/configure-nginx.sh"]}' --protected-settings '{"commandToExecute": "./configure-nginx.sh"}'
{
  "autoUpgradeMinorVersion": true,
  "enableAutomaticUpgrade": null,
  "forceUpdateTag": null,
  "id": "/subscriptions/16982123-2d3c-44ce-ab2d-0c419f4ce699/resourceGroups/learn-d7d25c2a-e2b0-4
17b-b17b-1dda70ce547f/providers/Microsoft.Compute/virtualMachines/my-vm/extensions/customScript",
  "instanceView": null,
  "location": "westus",
  "name": "customScript",
  "protectedSettings": null,
  "protectedSettingsFromKeyVault": null,
  "provisionAfterExtensions": null,
  "provisioningState": "Succeeded",
  "publisher": "Microsoft.Azure.Extensions",
  "resourceGroup": "learn-d7d25c2a-e2b0-417b-b17b-1dda70ce547f",
  "settings": {
    "fileUris": [
      "https://raw.githubusercontent.com/MicrosoftDocs/mslearn-welcome-to-azure/master/configure-
nginx.sh"
    ]
  },
  "suppressFailures": null,
  "tags": null,
  "type": "Microsoft.Compute/virtualMachines/extensions",
  "typeHandlerVersion": "2.1",
  "typePropertiesType": "customScript"
```

```
rithanya09 [ ~ ]$ sudo apt-get update

We trust you have received the usual lecture from the local System
Administrator. It usually boils down to these three things:

    #1) Respect the privacy of others.
    #2) Think before you type.
    #3) With great power comes great responsibility.

For security reasons, the password you type will not be visible.

[sudo] password for rithanya09:
sudo: a password is required
```

```
rithanya09 [ ~ ]$ ssh azureuser@13.73.53.142
The authenticity of host '13.73.53.142 (13.73.53.142)' can't be established.
ED25519 key fingerprint is SHA256:YWg3c7bfW1ARO2bNU3M4eClmoG899rmiX+GywXQMt2s.
This key is not known by any other names
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added '13.73.53.142' (ED25519) to the list of known hosts.
Welcome to Ubuntu 22.04.4 LTS (GNU/Linux 6.5.0-1025-azure x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:     https://landscape.canonical.com
 * Support:        https://ubuntu.com/pro

 System information as of Fri Aug  9 04:00:34 UTC 2024

  System load:  0.0               Processes:             105
  Usage of /:   6.0% of 28.89GB   Users logged in:       0
  Memory usage: 9%                IPv4 address for eth0: 10.0.0.4
```

```
 System information as of Fri Aug  9 04:00:34 UTC 2024

  System load:  0.0               Processes:             105
  Usage of /:   6.0% of 28.89GB   Users logged in:       0
  Memory usage: 9%                IPv4 address for eth0: 10.0.0.4
  Swap usage:   0%

Expanded Security Maintenance for Applications is not enabled.

10 updates can be applied immediately.
10 of these updates are standard security updates.
To see these additional updates run: apt list --upgradable

Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status



The programs included with the Ubuntu system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.

Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by
applicable law.

To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.
```

```
azureuser@my-vm:~$ echo "sudo apt-get update -y
sudo apt-get install nginx -y
sudo systemctl start nginx
sudo systemctl enable nginx" > setup_nginx.sh
chmod +x setup_nginx.sh
./setup_nginx.sh
Hit:1 http://azure.archive.ubuntu.com/ubuntu jammy InRelease
Hit:2 http://azure.archive.ubuntu.com/ubuntu jammy-updates InRelease
Hit:3 http://azure.archive.ubuntu.com/ubuntu jammy-backports InRelease
Hit:4 http://azure.archive.ubuntu.com/ubuntu jammy-security InRelease
Reading package lists... Done
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
nginx is already the newest version (1.18.0-6ubuntu14.4).
0 upgraded, 0 newly installed, 0 to remove and 10 not upgraded.
Synchronizing state of nginx.service with SysV service script with /lib/systemd/systemd-sysv-inst
all.
Executing: /lib/systemd/systemd-sysv-install enable nginx
```

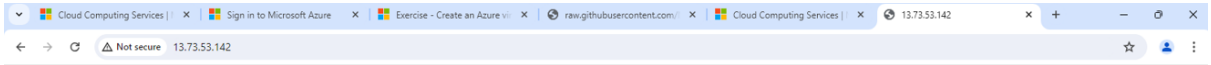
```
azureuser@my-vm:~$ echo "<html><body><h2>Welcome to Azure! My name is $(hostname).</h2></body></h
tml>" | sudo tee -a /var/www/html/index.html
<html><body><h2>Welcome to Azure! My name is my-vm.</h2></body></html>
```

```
azureuser@my-vm:~$ sudo systemctl status nginx
● nginx.service - A high performance web server and a reverse proxy server
     Loaded: loaded (/lib/systemd/system/nginx.service; enabled; vendor preset: enabled)
     Active: active (running) since Fri 2024-08-09 03:52:30 UTC; 23min ago
       Docs: man:nginx(8)
   Main PID: 2356 (nginx)
      Tasks: 2 (limit: 4011)
     Memory: 4.6M
        CPU: 34ms
     CGroup: /system.slice/nginx.service
             ├─2356 "nginx: master process /usr/sbin/nginx -g daemon on; master_process on;"
             └─2359 "nginx: worker process" "" "" "" "" "" "" "" "" "" "" "" "" "" "" "" "" "" "" "" ">

Aug 09 03:52:30 my-vm systemd[1]: Starting A high performance web server and a reverse proxy ser>
Aug 09 03:52:30 my-vm systemd[1]: Started A high performance web server and a reverse proxy serv>
lines 1-14/14 (END)
```

```
lines 1-14/14 (END)
azureuser@my-vm:~$ exit
logout
Connection to 13.73.53.142 closed.
rithanya09 [ ~ ]$
```

```
rithanya09 [ ~ ]$ az vm open-port --resource-group "learn-d7d25c2a-e2b0-417b-b17b-1dda70ce547f" -
-name my-vm --port 80
{
  "defaultSecurityRules": [
    {
      "access": "Allow",
      "description": "Allow inbound traffic from all VMs in VNET",
      "destinationAddressPrefix": "VirtualNetwork",
      "destinationAddressPrefixes": [],
      "destinationPortRange": "*",
      "destinationPortRanges": [],
      "direction": "Inbound",
      "etag": "W/\"1b639a93-edee-4214-829b-80e207fe2937\"",
      "id": "/subscriptions/16982123-2d3c-44ce-ab2d-0c419f4ce699/resourceGroups/learn-d7d25c2a-e2
b0-417b-b17b-1dda70ce547f/providers/Microsoft.Network/networkSecurityGroups/my-vmNSG/defaultSecur
ityRules/AllowVnetInBound",
      "name": "AllowVnetInBound",
      "priority": 65000,
      "protocol": "*",
      "provisioningState": "Succeeded",
      "resourceGroup": "learn-d7d25c2a-e2b0-417b-b17b-1dda70ce547f",
      "sourceAddressPrefix": "VirtualNetwork",
      "sourceAddressPrefixes": [],
      "sourcePortRange": "*",
      "sourcePortRanges": [],
      "type": "Microsoft.Network/networkSecurityGroups/defaultSecurityRules"
    },
    {
      "access": "Allow",
      "description": "Allow inbound traffic from azure load balancer",
      "sourcePortRanges": [],
      "type": "Microsoft.Network/networkSecurityGroups/securityRules"
    },
    {
      "access": "Allow",
      "destinationAddressPrefix": "*",
      "destinationAddressPrefixes": [],
      "destinationPortRange": "80",
      "destinationPortRanges": [],
      "direction": "Inbound",
      "etag": "W/\"1b639a93-edee-4214-829b-80e207fe2937\"",
      "id": "/subscriptions/16982123-2d3c-44ce-ab2d-0c419f4ce699/resourceGroups/learn-d7d25c2a-e2
b0-417b-b17b-1dda70ce547f/providers/Microsoft.Network/networkSecurityGroups/my-vmNSG/securityRule
s/open-port-80",
      "name": "open-port-80",
      "priority": 900,
      "protocol": "*",
      "provisioningState": "Succeeded",
      "resourceGroup": "learn-d7d25c2a-e2b0-417b-b17b-1dda70ce547f",
      "sourceAddressPrefix": "*",
      "sourceAddressPrefixes": [],
      "sourcePortRange": "*",
      "sourcePortRanges": [],
      "type": "Microsoft.Network/networkSecurityGroups/securityRules"
    }
  ],
  "tags": {},
  "type": "Microsoft.Network/networkSecurityGroups"
}
rithanya09 [ ~ ]$
```

```
rithanya09 [ ~ ]$ az vm list-ip-addresses --resource-group "learn-d7d25c2a-e2b0-417b-b17b-1dda70c
e547f" --name my-vm --output table
VirtualMachine    PublicIPAddresses    PrivateIPAddresses
----------------  -------------------  --------------------
my-vm             13.73.53.142         10.0.0.4
rithanya09 [ ~ ]$
```



Welcome to Azure! My name is my-vm.

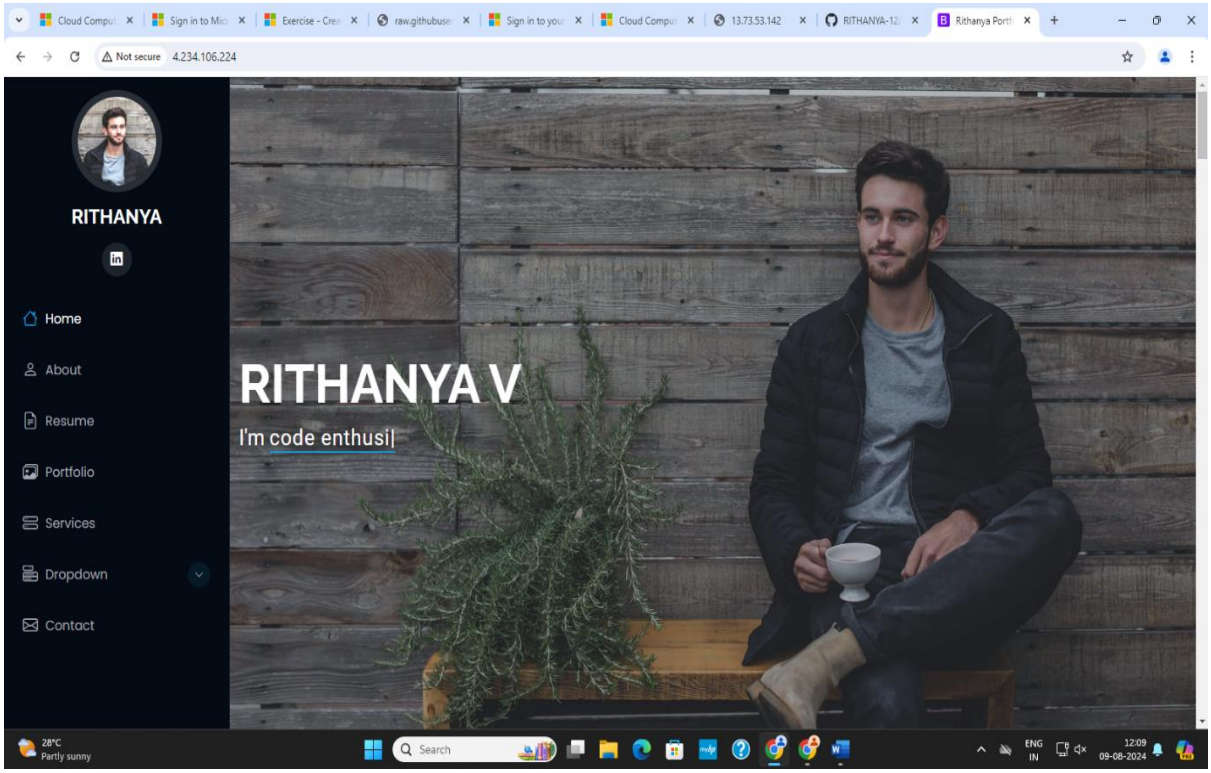
Welcome to Azure! My name is my-vm.

```
rithanya09 [ ~ ]$ ssh azureuser@13.73.53.142
Welcome to Ubuntu 22.04.4 LTS (GNU/Linux 6.5.0-1025-azure x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:     https://landscape.canonical.com
 * Support:        https://ubuntu.com/pro

 System information as of Fri Aug  9 04:30:39 UTC 2024

  System load:  0.0               Processes:             106
  Usage of /:   6.0% of 28.89GB   Users logged in:       0
  Memory usage: 9%                IPv4 address for eth0: 10.0.0.4
  Swap usage:   0%


Expanded Security Maintenance for Applications is not enabled.

10 updates can be applied immediately.
10 of these updates are standard security updates.
To see these additional updates run: apt list --upgradable

Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status


Last login: Fri Aug  9 04:00:37 2024 from 20.198.187.51
```

```
azureuser@my-vm:~$ sudo apt-get update
sudo apt-get install git -y
Hit:1 http://azure.archive.ubuntu.com/ubuntu jammy InRelease
Hit:2 http://azure.archive.ubuntu.com/ubuntu jammy-updates InRelease
Hit:3 http://azure.archive.ubuntu.com/ubuntu jammy-backports InRelease
Hit:4 http://azure.archive.ubuntu.com/ubuntu jammy-security InRelease
Reading package lists... Done
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
git is already the newest version (1:2.34.1-1ubuntu1.11).
git set to manually installed.
0 upgraded, 0 newly installed, 0 to remove and 13 not upgraded.
```

```
azureuser@my-vm:~$ git clone https://github.com/RITHANYA-12/webpage.git
Cloning into 'webpage'...
remote: Enumerating objects: 135, done.
remote: Counting objects: 100% (135/135), done.
remote: Compressing objects: 100% (98/98), done.
remote: Total 135 (delta 33), reused 135 (delta 33), pack-reused 0
Receiving objects: 100% (135/135), 2.63 MiB | 23.39 MiB/s, done.
Resolving deltas: 100% (33/33), done.
azureuser@my-vm:~$ sudo cp -r webpage/* /var/www/html/
azureuser@my-vm:~$ sudo chown -R www-data:www-data /var/www/html
sudo chmod -R 755 /var/www/html
azureuser@my-vm:~$ sudo systemctl restart nginx
azureuser@my-vm:~$
```

OUTPUT:



2. DESCRIBE AZURE STORAGE SERVICES

WORK WITH BLOB STORAGE

In this section, you'll create a Blob container and upload a picture.

1. Under **Data storage**, select **Containers**.
2. Select **+ Container** and complete the information.
3. Select Create.

Note

Step 4 will need an image. If you want to upload an image you already have on your computer, continue to Step 4. Otherwise, open a new browser window and search Bing for an image of a flower. Save the image to your computer.

4. Back in the Azure portal, select the container you created, then select Upload.
5. Browse for the image file you want to upload. Select it and then select upload.

Note

You can upload as many blobs as you like in this way. New blobs will be listed within the container.

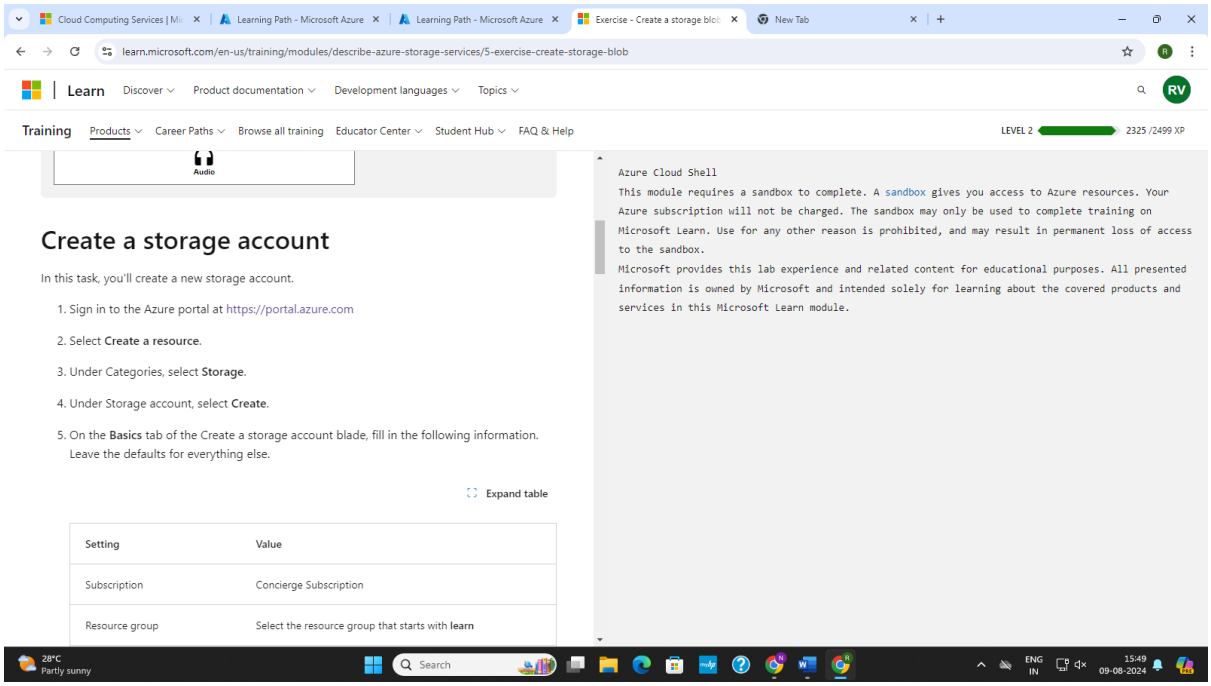
6. Select the Blob (file) you just uploaded. You should be on the properties tab.
7. Copy the URL from the URL field and paste it into a new tab.

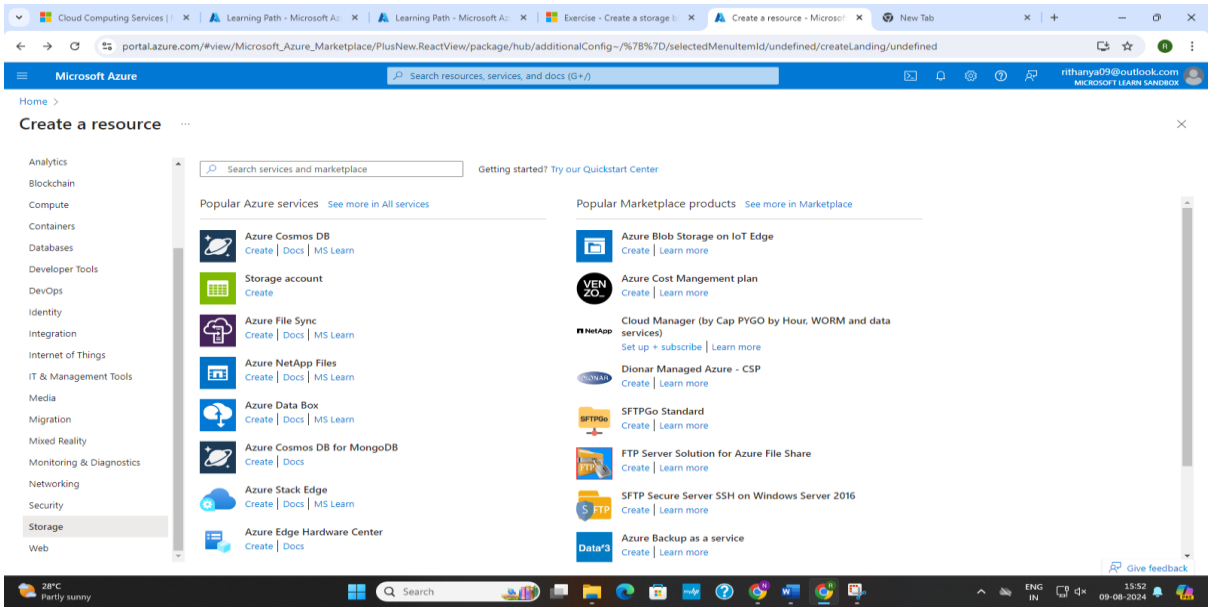
- ### Change the access level of your blob

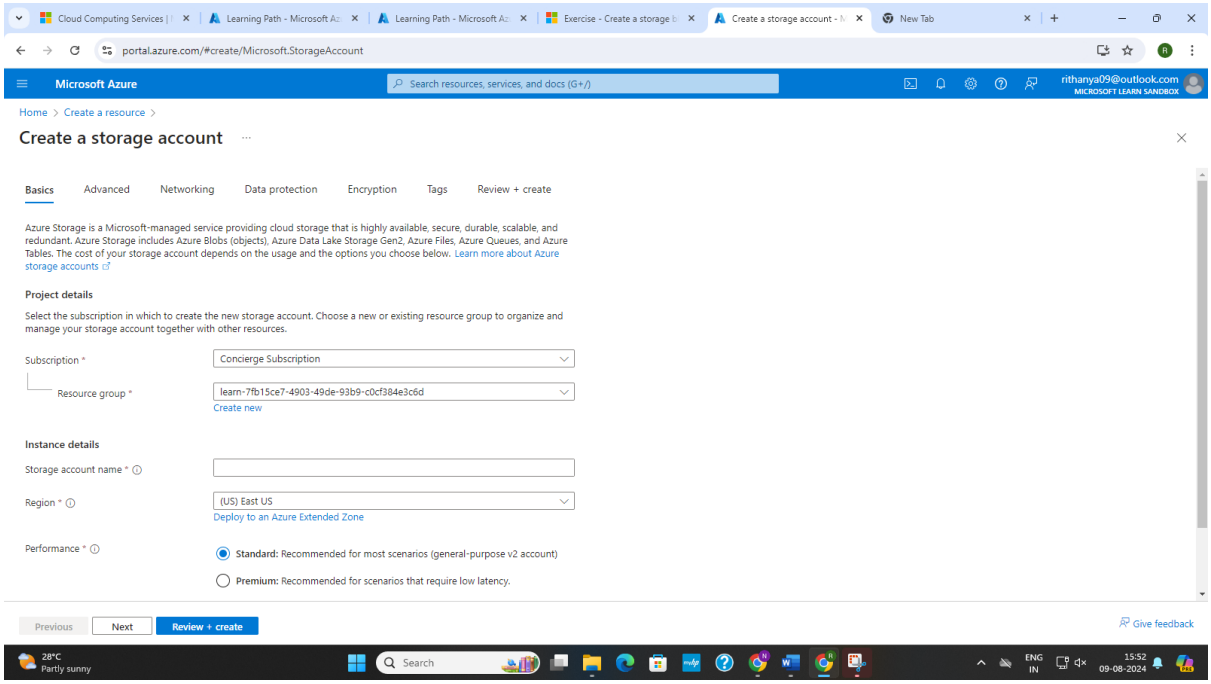
1. Go back to the Azure portal.
2. Select Change access level.

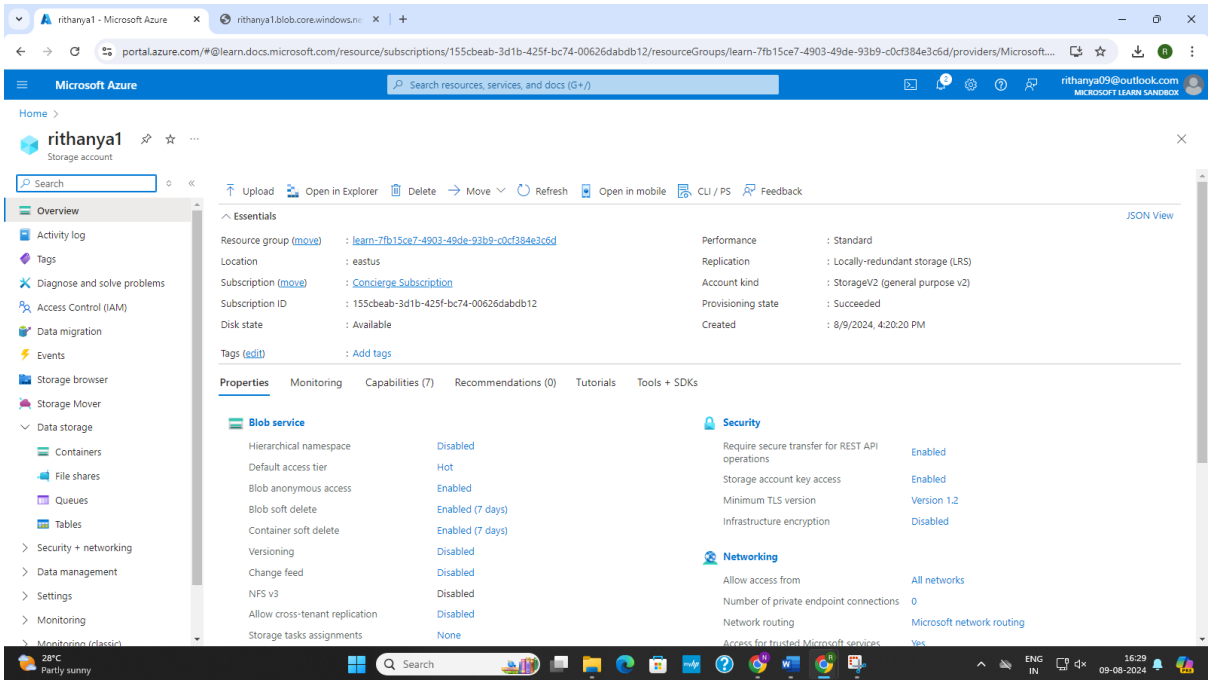
3. Set the Anonymous access level to Blob (anonymous read access for blobs only).
4. Select OK.
5. Refresh the tab where you attempted to access the file earlier.

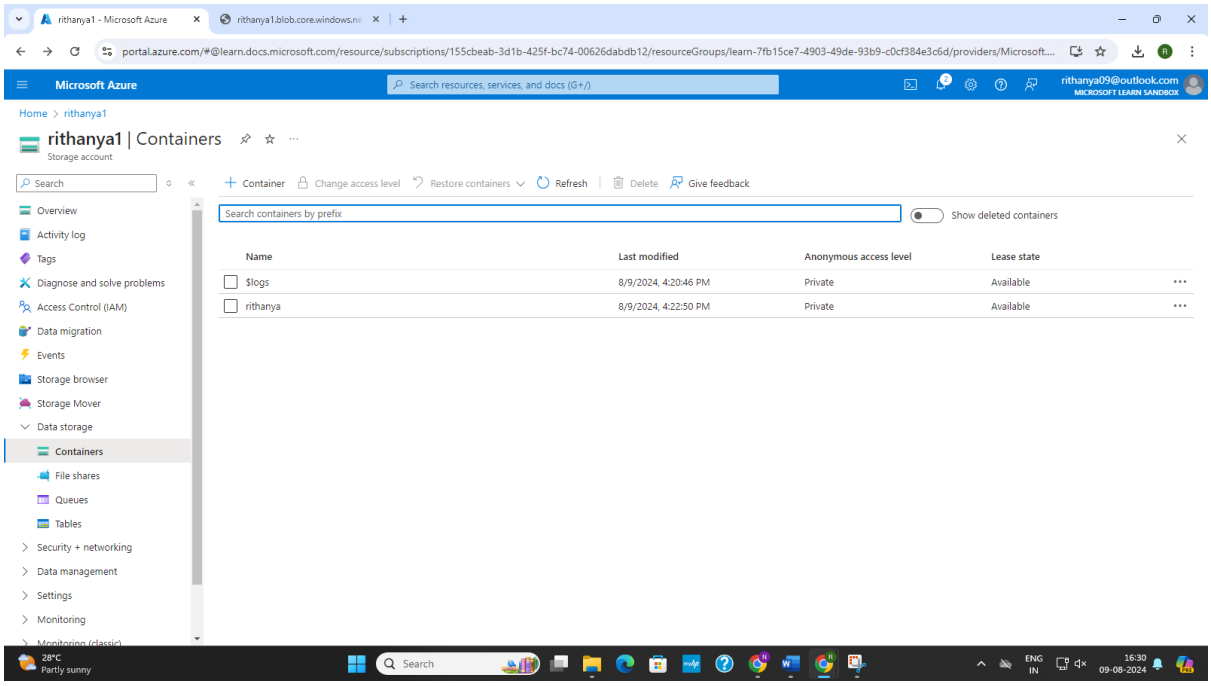
WORKING:

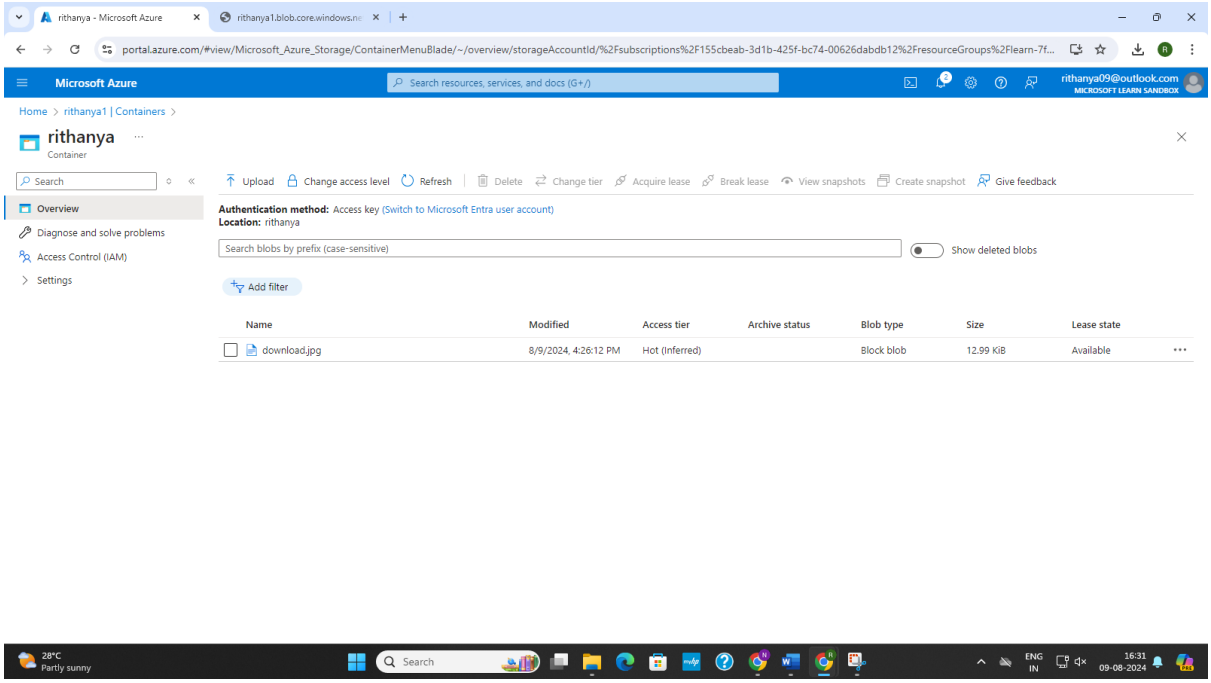


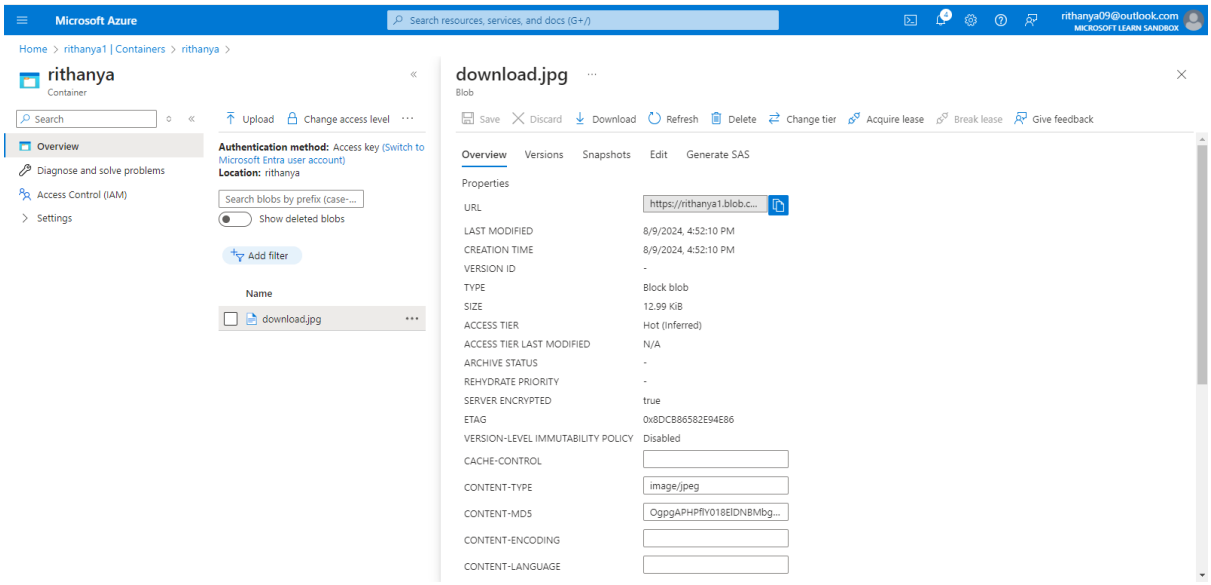


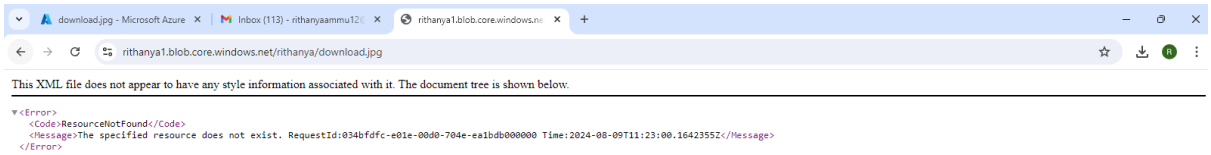

Microsoft Azure
Search resources, services, and docs (G+/)
rithanya09@outlook.com
MICROSOFT LEARN SANDBOX
Home > Create a resource >
Create a storage account
Basics
Advanced
Networking
Data protection
Encryption
Tags
Review + create
Azure Storage is a Microsoft-managed service providing cloud storage that is highly available, secure, durable, scalable, and redundant. Azure Storage includes Azure Blobs (objects), Azure Data Lake Storage Gen2, Azure Files, Azure Queues, and Azure Tables. The cost of your storage account depends on the usage and the options you choose below. Learn more about Azure storage accounts
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 *
Concierge Subscription
Resource group *
learn-7fb15ce7-4903-49de-93b9-c0cf384e3c6d
Create new
Instance details
Storage account name *
Region *
(US) East US
Deploy to an Azure Extended Zone
Performance *
Standard: Recommended for most scenarios (general-purpose v2 account)
Premium: Recommended for scenarios that require low latency.
Previous
Next
Review + create
Give feedback
28°C
Partly sunny
Search
ENG
IN
15:52
09-08-2024

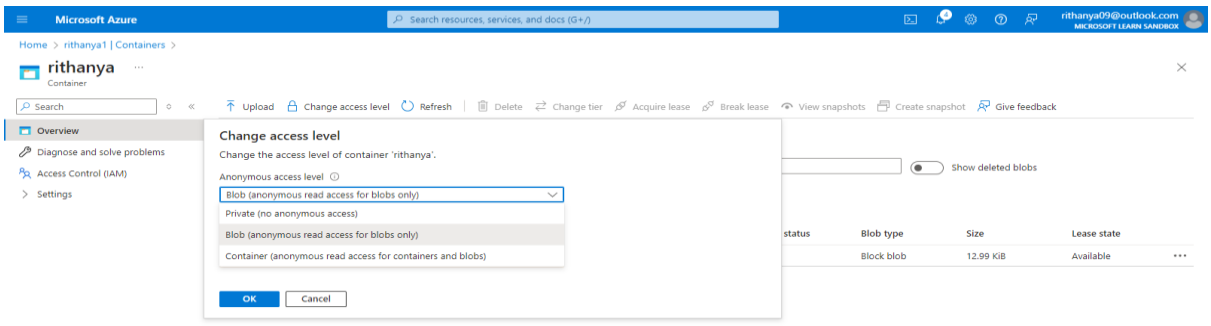

rithanya1 - Microsoft Azure
Microsoft Azure
Search resources, services, and docs (G+/)
rithanya09@outlook.com
MICROSOFT LEARN SANDBOX
Home >
rithanya1
Storage account
Search
Overview
Activity log
Tags
Diagnose and solve problems
Access Control (IAM)
Data migration
Events
Storage browser
Storage Mover
Data storage
Containers
File shares
Queues
Tables
Security + networking
Data management
Settings
Monitoring
Upload
Open in Explorer
Delete
Move
Refresh
Open in mobile
CLI / PS
Feedback
Essentials
JSON View
Resource group (move) : learn-7fb15ce7-4903-49de-93b9-c0cf384e3c6d
Location : eastus
Subscription (move) : Concierge Subscription
Subscription ID : 155cbeab-3d1b-425f-bc74-00626dabdb12
Disk state : Available
Performance : Standard
Replication : Locally-redundant storage (LRS)
Account kind : StorageV2 (general purpose v2)
Provisioning state : Succeeded
Created : 8/9/2024, 4:20:20 PM
Tags (edit) : Add tags
Properties
Monitoring
Capabilities (7)
Recommendations (0)
Tutorials
Tools + SDKs
Blob service
Hierarchical namespace Disabled
Default access tier Hot
Blob anonymous access Enabled
Blob soft delete Enabled (7 days)
Container soft delete Enabled (7 days)
Versioning Disabled
Change feed Disabled
NFS v3 Disabled
Allow cross-tenant replication Disabled
Storage tasks assignments None
Security
Require secure transfer for REST API operations Enabled
Storage account key access Enabled
Minimum TLS version Version 1.2
Infrastructure encryption Disabled
Networking
Allow access from All networks
Number of private endpoint connections 0
Network routing Microsoft network routing
28°C
Partly sunny
Search
ENG
IN
16:29
09-08-2024

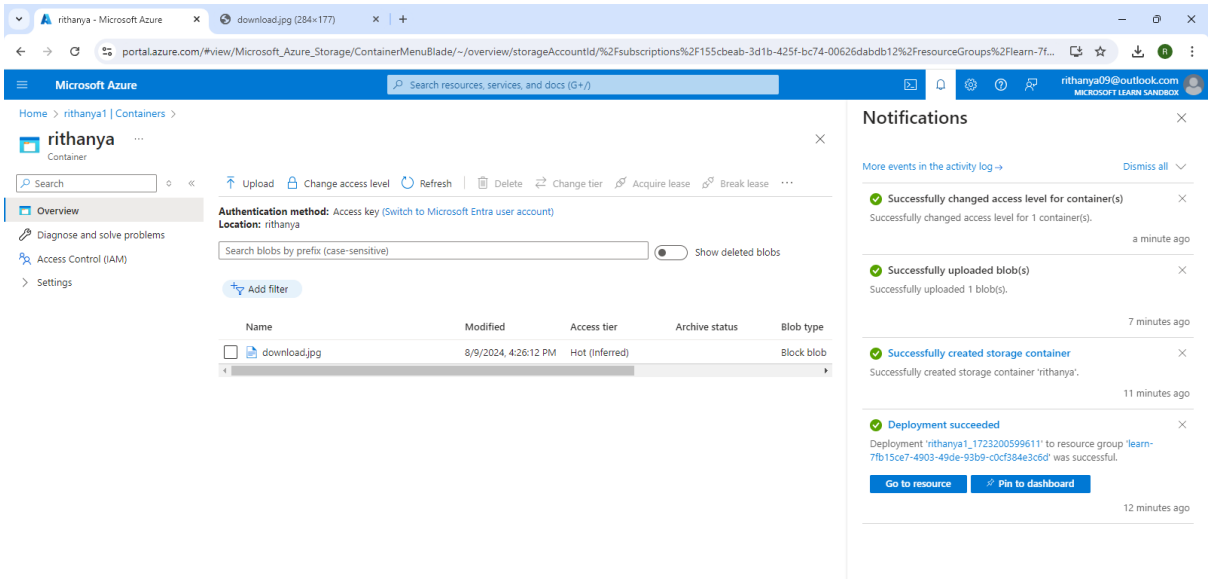

rithanya1 - Microsoft Azure
Microsoft Azure
Search resources, services, and docs (G+/)
rithanya09@outlook.com
MICROSOFT LEARN SANDBOX
Home > rithanya1
rithanya1 | Containers
Storage account
Search
Container
Change access level
Restore containers
Refresh
Delete
Give feedback
Overview
Activity log
Tags
Diagnose and solve problems
Access Control (IAM)
Data migration
Events
Storage browser
Storage Mover
Data storage
Containers
File shares
Queues
Tables
Security + networking
Data management
Settings
Monitoring
Search containers by prefix
Show deleted containers
Name
Last modified
Anonymous access level
Lease state
$logs
8/9/2024, 4:20:46 PM
Private
Available
rithanya
8/9/2024, 4:22:50 PM
Private
Available
28°C
Partly sunny
Search
ENG
IN
16:30
09-08-2024


rithanya - Microsoft Azure
Microsoft Azure
Search resources, services, and docs (G+/)
rithanya09@outlook.com
MICROSOFT LEARN SANDBOX
Home > rithanya1 | Containers
rithanya
Container
Search
Upload
Change access level
Refresh
Delete
Change tier
Acquire lease
Break lease
View snapshots
Create snapshot
Give feedback
Overview
Diagnose and solve problems
Access Control (IAM)
Settings
Authentication method: Access key (Switch to Microsoft Entra user account)
Location: rithanya
Search blobs by prefix (case-sensitive)
Show deleted blobs
Add filter
Name
Modified
Access tier
Archive status
Blob type
Size
Lease state
download.jpg
8/9/2024, 4:26:12 PM
Hot (Inferred)
Block blob
12.99 KiB
Available
28°C
Partly sunny
Search
ENG
IN
16:31
09-08-2024

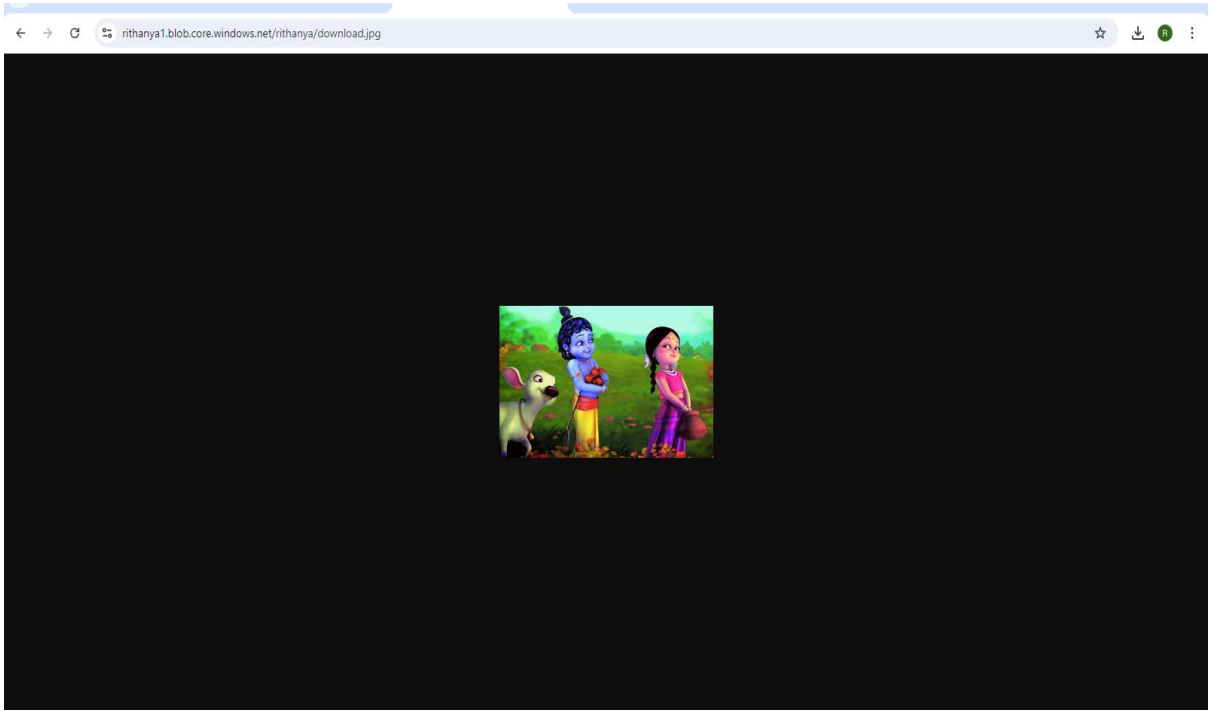

Microsoft Azure
Search resources, services, and docs (G+/)
rithanya09@outlook.com
MICROSOFT LEARN SANDBOX
Home > rithanya1 | Containers > rithanya >
rithanya
Container
Search
Overview
Diagnose and solve problems
Access Control (IAM)
Settings
Upload
Change access level
Authentication method: Access key (Switch to Microsoft Entra user account)
Location: rithanya
Search blobs by prefix (case-...
Show deleted blobs
Add filter
Name
download.jpg
download.jpg
Blob
Save
Discard
Download
Refresh
Delete
Change tier
Acquire lease
Break lease
Give feedback
Overview
Versions
Snapshots
Edit
Generate SAS
Properties
URL
https://rithanya1.blob.c...
LAST MODIFIED
8/9/2024, 4:52:10 PM
CREATION TIME
8/9/2024, 4:52:10 PM
VERSION ID
-
TYPE
Block blob
SIZE
12.99 KiB
ACCESS TIER
Hot (Inferred)
ACCESS TIER LAST MODIFIED
N/A
ARCHIVE STATUS
-
REHYDRATE PRIORITY
-
SERVER ENCRYPTED
true
ETAG
0x8DCB86582E94E86
VERSION-LEVEL IMMUTABILITY POLICY
Disabled
CACHE-CONTROL
CONTENT-TYPE
image/jpeg
CONTENT-MD5
OgpgAPHPfiY018EIDNBMbg...
CONTENT-ENCODING
CONTENT-LANGUAGE


download.jpg - Microsoft Azure
Inbox (113) - rithanyaammu12
rithanya1.blob.core.windows.ne
rithanya1.blob.core.windows.net/rithanya/download.jpg
This XML file does not appear to have any style information associated with it. The document tree is shown below.
<Error>
<Code>ResourceNotFound</Code>
<Message>The specified resource does not exist. RequestId:034bfdfc-e01e-00d0-704e-ea1bdb000000 Time:2024-08-09T11:23:00.1642355Z</Message>
</Error>


Microsoft Azure
Search resources, services, and docs (G+/)
rithanya09@outlook.com
MICROSOFT LEARN SANDBOX
Home > rithanya1 | Containers >
rithanya
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
Change access level
Change the access level of container 'rithanya'.
Anonymous access level
Blob (anonymous read access for blobs only)
Private (no anonymous access)
Blob (anonymous read access for blobs only)
Container (anonymous read access for containers and blobs)
OK
Cancel
Show deleted blobs
status
Blob type
Size
Lease state
Block blob
12.99 KiB
Available


rithanya - Microsoft Azure
download.jpg (284×177)
portal.azure.com/#view/Microsoft_Azure_Storage/ContainerMenuBlade/~/overview/storageAccountId/%2Fsubscriptions%2F155cbeab-3d1b-425f-bc74-00626dabdb12%2FresourceGroups%2Flearn-7f...
Microsoft Azure
Search resources, services, and docs (G+/)
rithanya09@outlook.com
MICROSOFT LEARN SANDBOX
Home > rithanya1 | Containers >
rithanya
Container
Search
Overview
Diagnose and solve problems
Access Control (IAM)
Settings
Upload
Change access level
Refresh
Delete
Change tier
Acquire lease
Break lease
Authentication method: Access key (Switch to Microsoft Entra user account)
Location: rithanya
Search blobs by prefix (case-sensitive)
Show deleted blobs
Add filter
Name
Modified
Access tier
Archive status
Blob type
download.jpg
8/9/2024, 4:26:12 PM
Hot (Inferred)
Block blob
Notifications
More events in the activity log →
Dismiss all
Successfully changed access level for container(s)
Successfully changed access level for 1 container(s).
a minute ago
Successfully uploaded blob(s)
Successfully uploaded 1 blob(s).
7 minutes ago
Successfully created storage container
Successfully created storage container 'rithanya'.
11 minutes ago
Deployment succeeded
Deployment 'rithanya1_1723200599611' to resource group 'learn-7fb15ce7-4903-49de-93b9-c0cf384e3c6d' was successful.
Go to resource
Pin to dashboard
12 minutes ago

OUTPUT :


rithanya1.blob.core.windows.net/rithanya/download.jpg

3. ESTIMATE WORKLOAD COSTS BY USING THE PRICING CALCULATOR

- Explore the Pricing calculator

  1. Go to the Pricing calculator.

  2. Notice the following tabs:

     - Products This is where you choose the Azure services that you want to include in your estimate. You'll likely spend most of your time here.

     - Example scenarios Here you'll find several *reference architectures*, or common cloud-based solutions that you can use as a starting point.

     - Saved estimates Here you'll find your previously saved estimates.

  3. Estimate your solution

- Here you add each Azure service that you need to the calculator. Then you configure each service to fit your needs.
- Tip
- Make sure you have a clean calculator with nothing listed in the estimate. You can reset the estimate by selecting the trash can icon next to each item.
- Add services to the estimate

  1. On the Products tab, select the service from each of these categories:

  2. Scroll to the bottom of the page. Each service is listed with its default configuration.

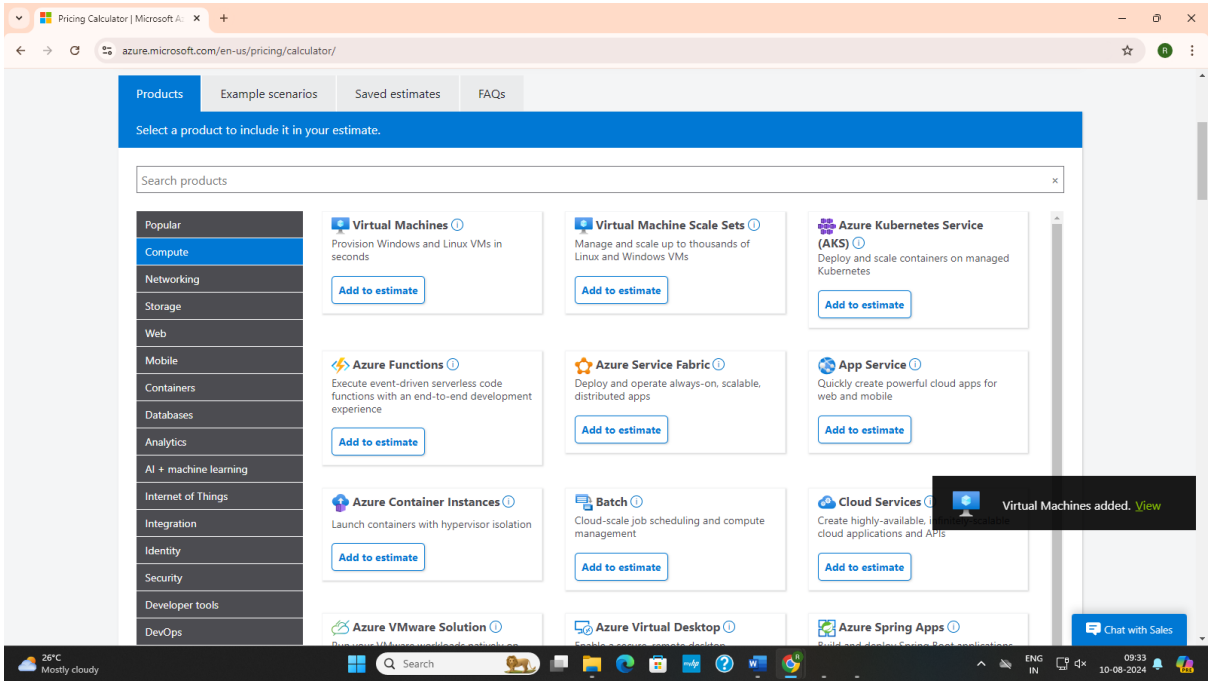
- Configure services to match your requirements:

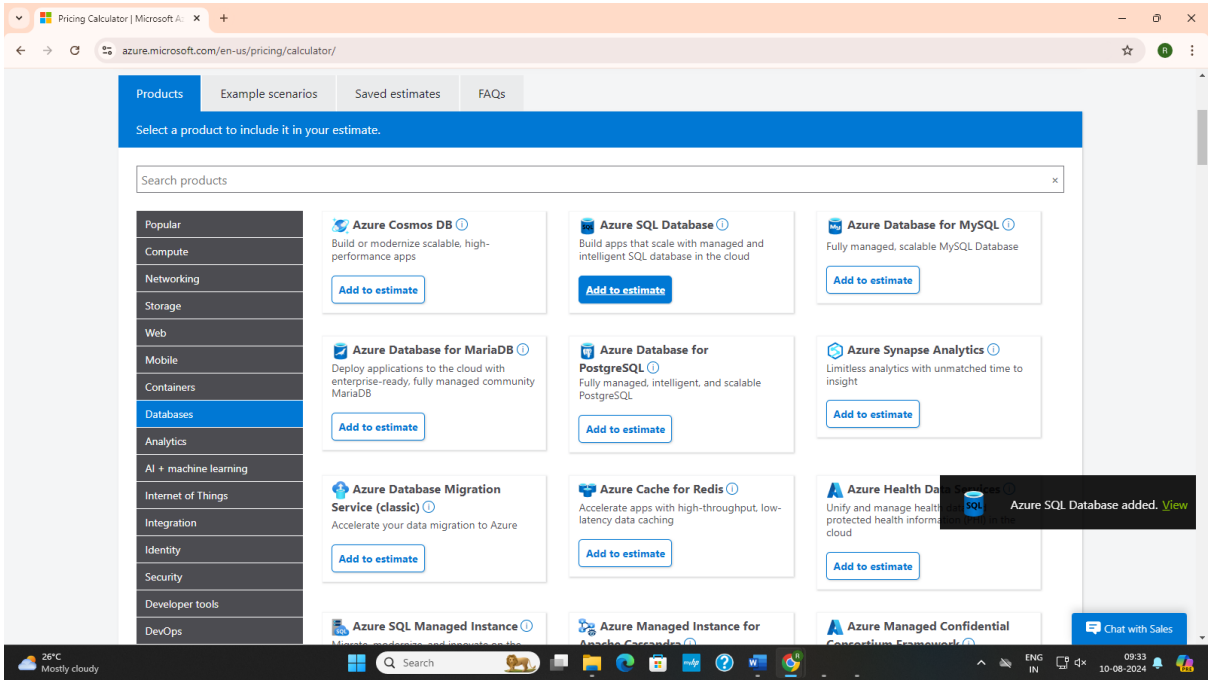
  1. Under Virtual Machines, set values.

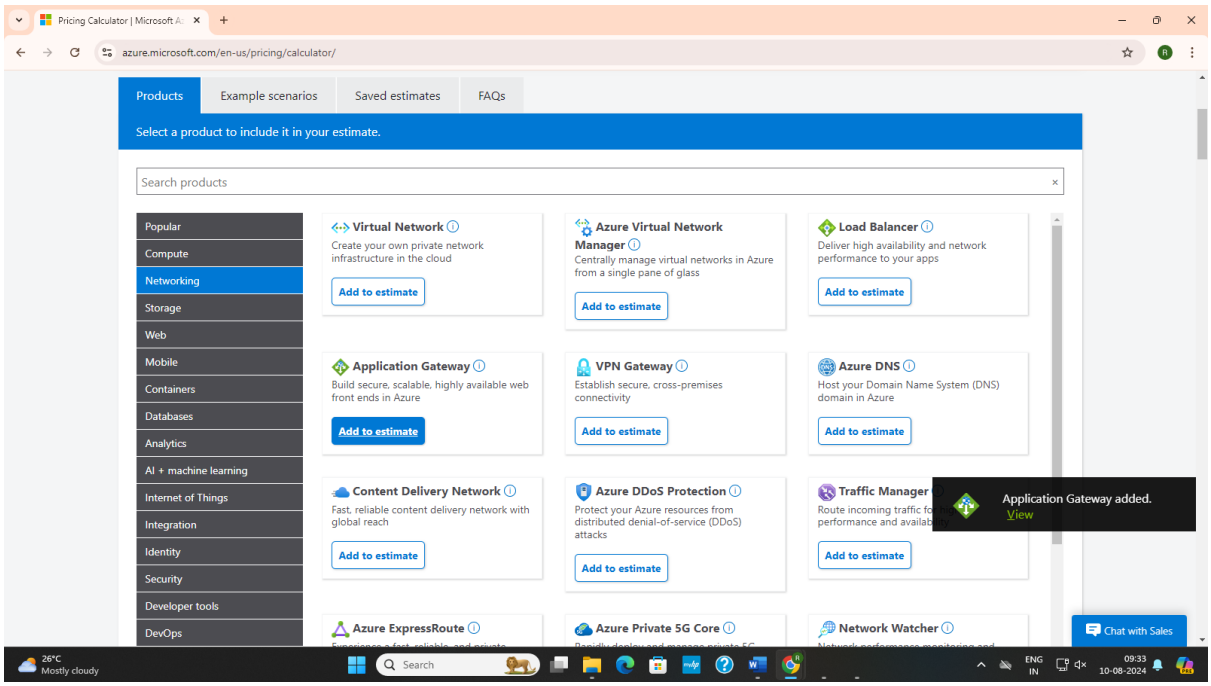
2. Under Azure SQL Database, set values.
3. Under Application Gateway, set values.

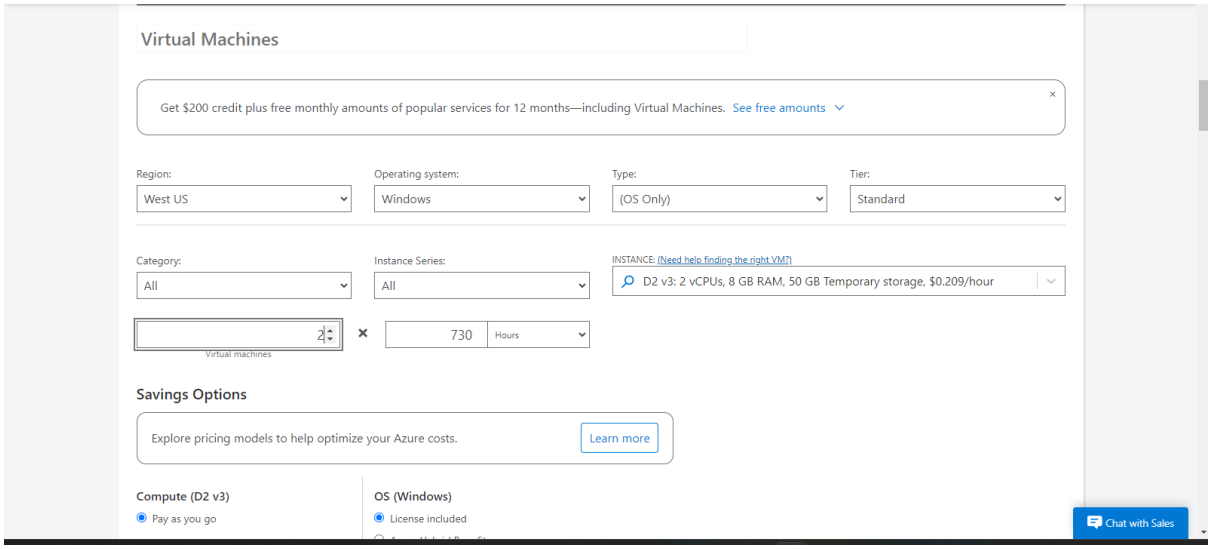
- Review, share, and save your estimate
- At the bottom of the page, you see the total estimated cost of running the solution. You can change the currency type if you want.
- At this point, you have a few options:
  - Select Export to save your estimate as an Excel document.
  - Select Save or Save as to save your estimate to the Saved Estimates tab for later.
  - Select Share to generate a URL so you can share the estimate with your team.

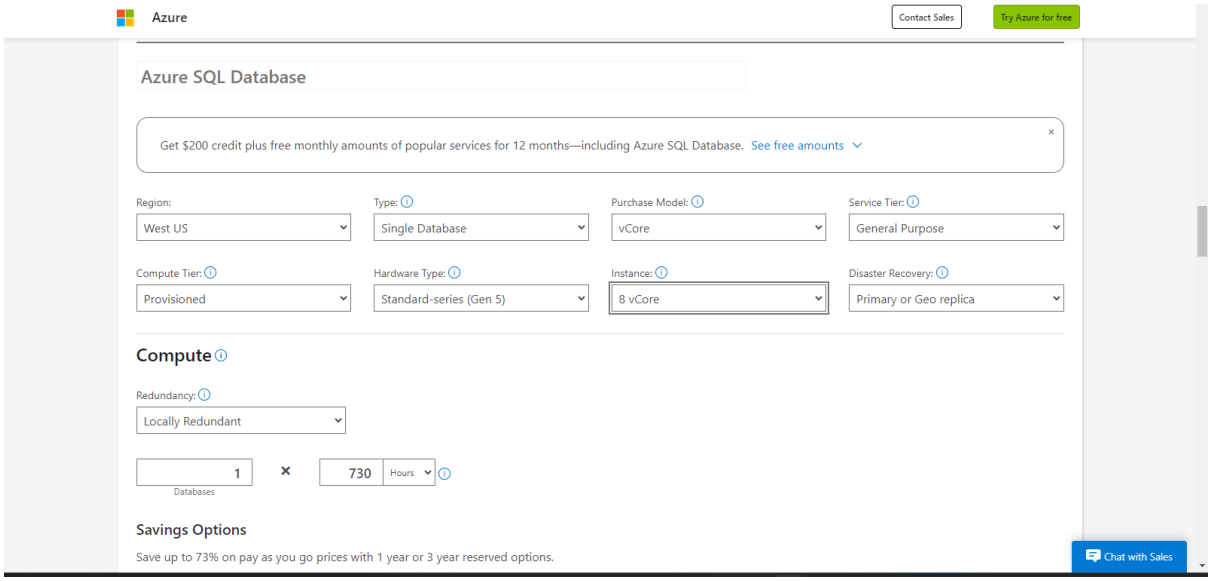
WORKING :

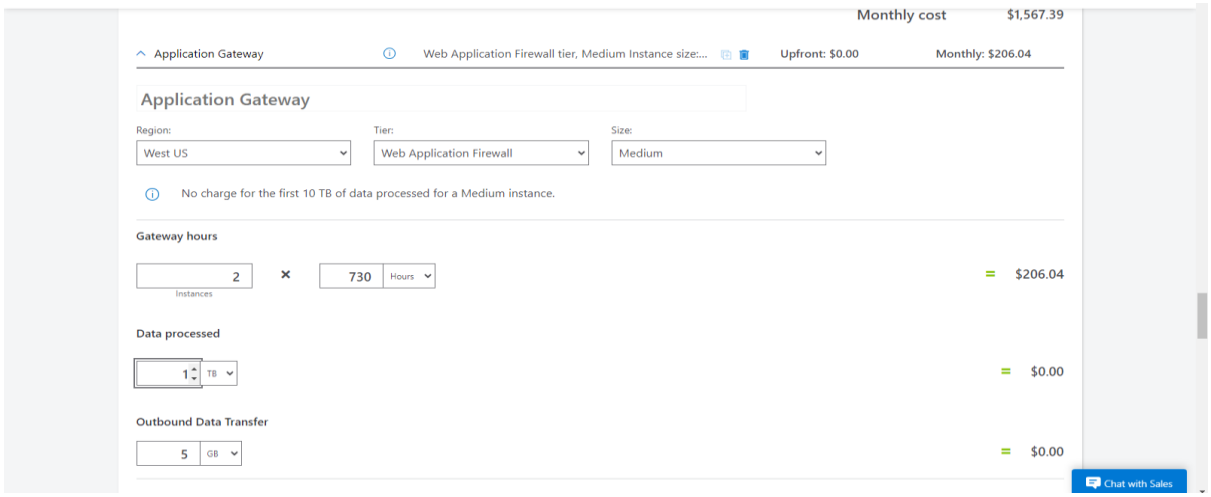


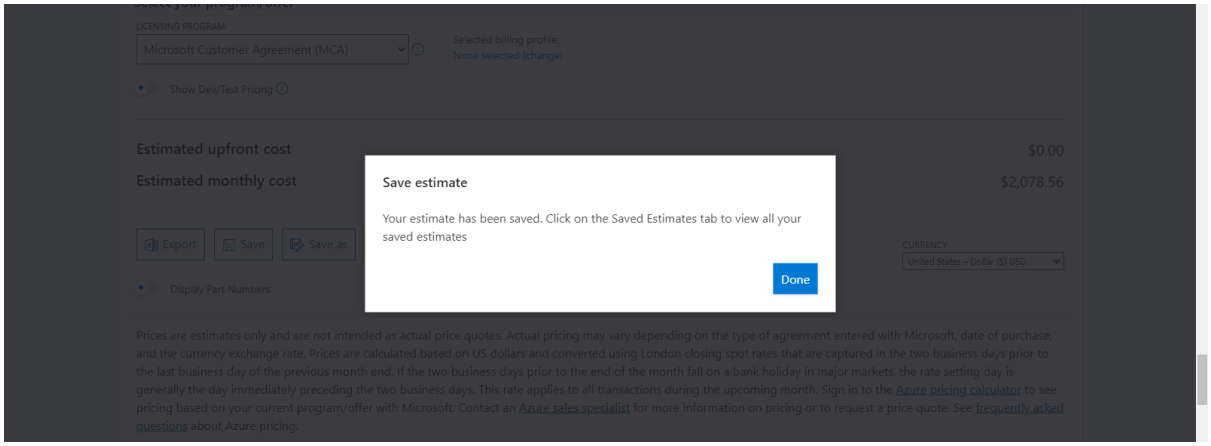

Pricing Calculator | Microsoft A
azure.microsoft.com/en-us/pricing/calculator/
Products
Example scenarios
Saved estimates
FAQs
Select a product to include it in your estimate.
Search products
Popular
Compute
Networking
Storage
Web
Mobile
Containers
Databases
Analytics
AI + machine learning
Internet of Things
Integration
Identity
Security
Developer tools
DevOps
Azure Cosmos DB
Build or modernize scalable, high-performance apps
Add to estimate
Azure SQL Database
Build apps that scale with managed and intelligent SQL database in the cloud
Add to estimate
Azure Database for MySQL
Fully managed, scalable MySQL Database
Add to estimate
Azure Database for MariaDB
Deploy applications to the cloud with enterprise-ready, fully managed community MariaDB
Add to estimate
Azure Database for PostgreSQL
Fully managed, intelligent, and scalable PostgreSQL
Add to estimate
Azure Synapse Analytics
Limitless analytics with unmatched time to insight
Add to estimate
Azure Database Migration Service (classic)
Accelerate your data migration to Azure
Add to estimate
Azure Cache for Redis
Accelerate apps with high-throughput, low-latency data caching
Add to estimate
Azure Health Da
Unify and manage health
protected health inform
cloud
Add to estimate
Azure SQL Database added. View
Azure SQL Managed Instance
Azure Managed Instance for
Azure Managed Confidential
Chat with Sales
26°C
Mostly cloudy
Search
ENG
IN
09:33
10-08-2024

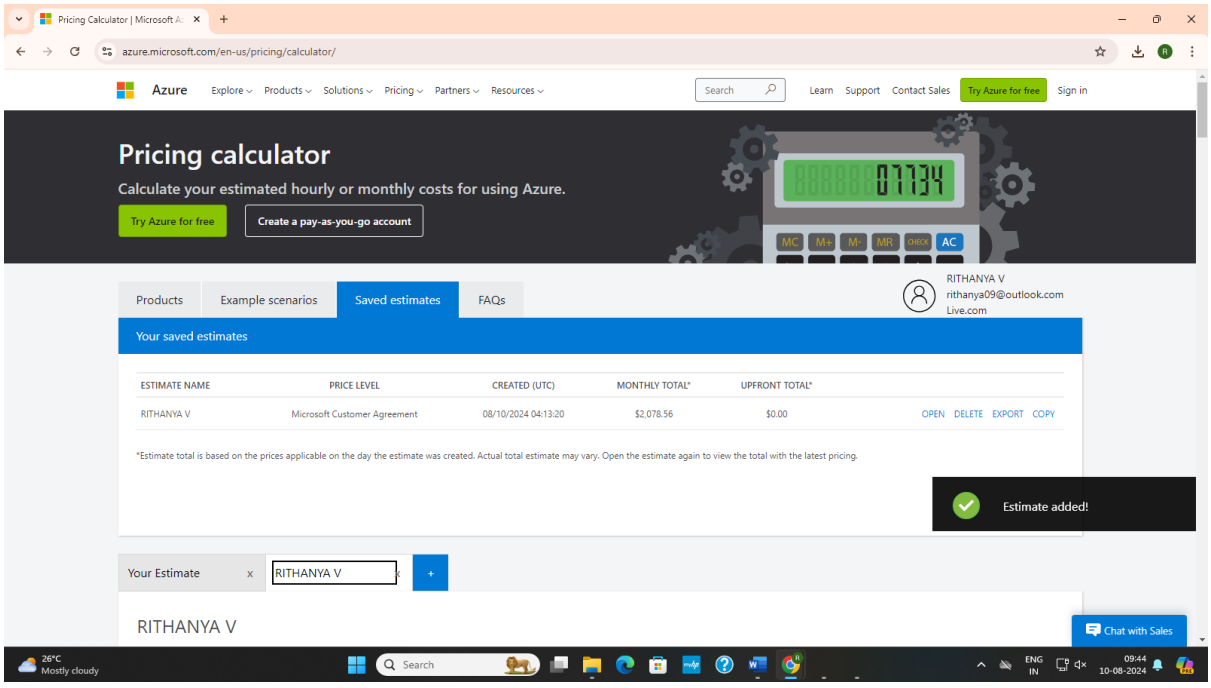

Pricing Calculator | Microsoft A
azure.microsoft.com/en-us/pricing/calculator/
Products
Example scenarios
Saved estimates
FAQs
Select a product to include it in your estimate.
Search products
Popular
Compute
Networking
Storage
Web
Mobile
Containers
Databases
Analytics
AI + machine learning
Internet of Things
Integration
Identity
Security
Developer tools
DevOps
Virtual Network
Create your own private network infrastructure in the cloud
Add to estimate
Azure Virtual Network Manager
Centrally manage virtual networks in Azure from a single pane of glass
Add to estimate
Load Balancer
Deliver high availability and network performance to your apps
Add to estimate
Application Gateway
Build secure, scalable, highly available web front ends in Azure
Add to estimate
VPN Gateway
Establish secure, cross-premises connectivity
Add to estimate
Azure DNS
Host your Domain Name System (DNS) domain in Azure
Add to estimate
Content Delivery Network
Fast, reliable content delivery network with global reach
Add to estimate
Azure DDoS Protection
Protect your Azure resources from distributed denial-of-service (DDoS) attacks
Add to estimate
Traffic Manager
Route incoming traffic fo
performance and availab
Add to estimate
Application Gateway added. View
Azure ExpressRoute
Azure Private 5G Core
Network Watcher
Chat with Sales
26°C
Mostly cloudy
Search
ENG
IN
09:33
10-08-2024


Virtual Machines
Get $200 credit plus free monthly amounts of popular services for 12 months—including Virtual Machines. See free amounts
Region:
West US
Operating system:
Windows
Type:
(OS Only)
Tier:
Standard
Category:
All
Instance Series:
All
INSTANCE: (Need help finding the right VM?)
D2 v3: 2 vCPUs, 8 GB RAM, 50 GB Temporary storage, $0.209/hour
2
Virtual machines
730
Hours
Savings Options
Explore pricing models to help optimize your Azure costs.
Learn more
Compute (D2 v3)
Pay as you go
OS (Windows)
License included
Chat with Sales

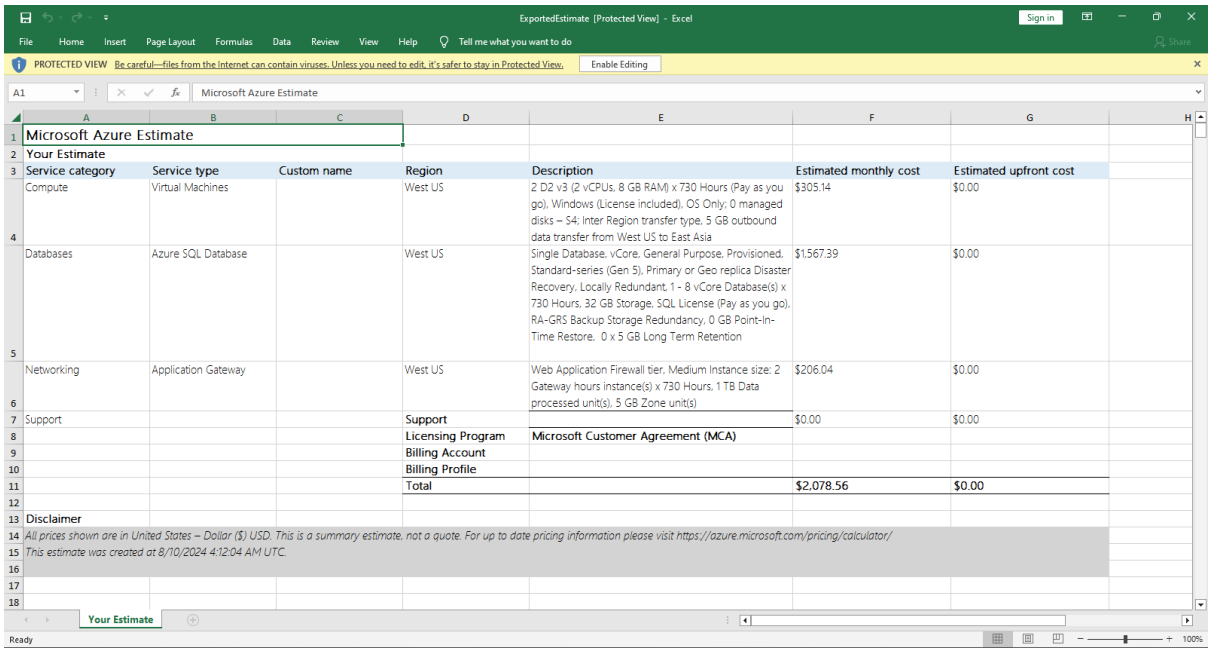

Azure
Contact Sales
Try Azure for free
Azure SQL Database
Get $200 credit plus free monthly amounts of popular services for 12 months—including Azure SQL Database. See free amounts
Region:
West US
Type:
Single Database
Purchase Model:
vCore
Service Tier:
General Purpose
Compute Tier:
Provisioned
Hardware Type:
Standard-series (Gen 5)
Instance:
8 vCore
Disaster Recovery:
Primary or Geo replica
Compute
Redundancy:
Locally Redundant
1
Databases
730
Hours
Savings Options
Save up to 73% on pay as you go prices with 1 year or 3 year reserved options.
Chat with Sales


Monthly cost
$1,567.39
Application Gateway
Web Application Firewall tier, Medium Instance size:...
Upfront: $0.00
Monthly: $206.04
Application Gateway
Region:
West US
Tier:
Web Application Firewall
Size:
Medium
No charge for the first 10 TB of data processed for a Medium instance.
Gateway hours
2
Instances
730
Hours
= $206.04
Data processed
1
TB
= $0.00
Outbound Data Transfer
5
GB
= $0.00
Chat with Sales


LICENSING PROGRAM:
Microsoft Customer Agreement (MCA)
Selected billing profile:
None selected (change)
Show Dev/Test Pricing
Estimated upfront cost
$0.00
Estimated monthly cost
$2,078.56
Export
Save
Save as
CURRENCY
United States – Dollar ($) USD
Display Part Numbers
Save estimate
Your estimate has been saved. Click on the Saved Estimates tab to view all your saved estimates
Done
Prices are estimates only and are not intended as actual price quotes. Actual pricing may vary depending on the type of agreement entered with Microsoft, date of purchase, and the currency exchange rate. Prices are calculated based on US dollars and converted using London closing spot rates that are captured in the two business days prior to the last business day of the previous month end. If the two business days prior to the end of the month fall on a bank holiday in major markets, the rate setting day is generally the day immediately preceding the two business days. This rate applies to all transactions during the upcoming month. Sign in to the Azure pricing calculator to see pricing based on your current program/offer with Microsoft. Contact an Azure sales specialist for more information on pricing or to request a price quote. See frequently asked questions about Azure pricing.


Pricing Calculator | Microsoft A
azure.microsoft.com/en-us/pricing/calculator/
Azure
Explore
Products
Solutions
Pricing
Partners
Resources
Search
Learn
Support
Contact Sales
Try Azure for free
Sign in
Pricing calculator
Calculate your estimated hourly or monthly costs for using Azure.
Try Azure for free
Create a pay-as-you-go account
Products
Example scenarios
Saved estimates
FAQs
RITHANYA V
rithanya09@outlook.com
Live.com
Your saved estimates
ESTIMATE NAME
PRICE LEVEL
CREATED (UTC)
MONTHLY TOTAL*
UPFRONT TOTAL*
RITHANYA V
Microsoft Customer Agreement
08/10/2024 04:13:20
$2,078.56
$0.00
OPEN
DELETE
EXPORT
COPY
*Estimate total is based on the prices applicable on the day the estimate was created. Actual total estimate may vary. Open the estimate again to view the total with the latest pricing.
Estimate added!
Your Estimate
RITHANYA V
RITHANYA V
Chat with Sales
26°C
Mostly cloudy
Search
ENG
IN
09:44
10-08-2024

OUTPUT :



ExportedEstimate [Protected View] - Excel

PROTECTED VIEW Be careful—files from the Internet can contain viruses. Unless you need to edit, it's safer to stay in Protected View. Enable Editing

A1: Microsoft Azure Estimate

	A	B	C	D	E	F	G	H
1	Microsoft Azure Estimate							
2	Your Estimate							
3	Service category	Service type	Custom name	Region	Description	Estimated monthly cost	Estimated upfront cost	
4	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	
5	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	
6	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 GB Zone unit(s)	$206.04	$0.00	
7	Support			Support		$0.00	$0.00	
8				Licensing Program	Microsoft Customer Agreement (MCA)			
9				Billing Account				
10				Billing Profile				
11				Total		$2,078.56	$0.00	
12								
13	Disclaimer							
14	*All prices shown are in United States – Dollar ($) USD. This is a summary estimate, not a quote. For up to date pricing information please visit https://azure.microsoft.com/pricing/calculator/*							
15	*This estimate was created at 8/10/2024 4:12:04 AM UTC.*							
16								
17								
18								

Your Estimate

Ready 100%

Link : https://azure.com/e/49fd67f226c84d59a4fc8ae9e7b5e706

4. COMPARE WORKLOAD COSTS USING THE TCO CALCULATOR

- Define your workloads

Enter the specifications of your on-premises infrastructure into the TCO Calculator.

1. Go to the TCO Calculator.
2. Under **Define your workloads**, select **Add server workload** to create a row for your bank of Windows Server VMs.
3. Under **Servers**, set the value for each of these settings.
4. Select **Add server workload** to create a second row for your bank of Linux VMs. Then specify these settings.
5. Under **Storage**, select **Add storage**. Then specify these settings.
6. Under **Networking**, set **Outbound bandwidth** to **15 TB**.
7. Select **Next**.

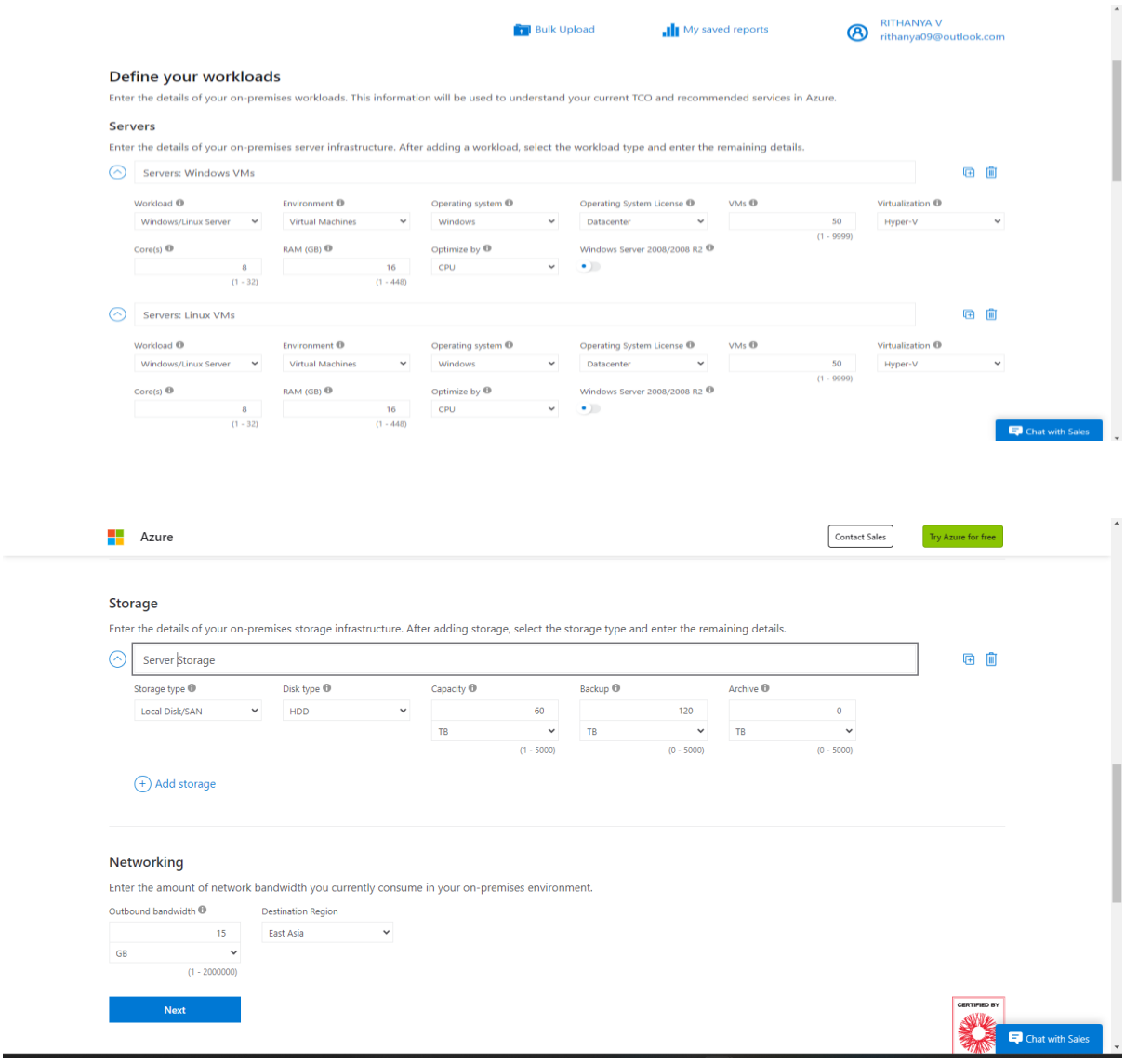
- In practice, you would adjust any cost assumptions and make any adjustments to match your current on-premises environment.
- At the top of the page, select your currency. This example uses **US Dollar ($)**.
- Select **Next**.
- **View the report**
- Take a moment to review the generated report.
- Remember, you've been tasked to investigate cost savings for your European datacenter over the next three years.

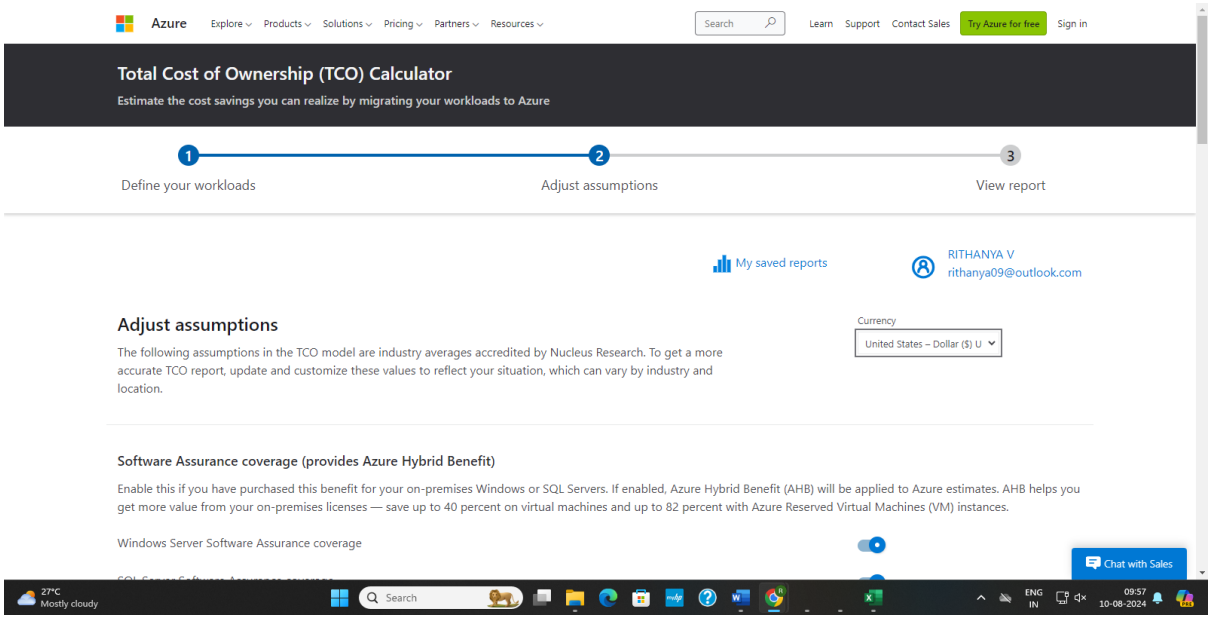
To make these adjustments:

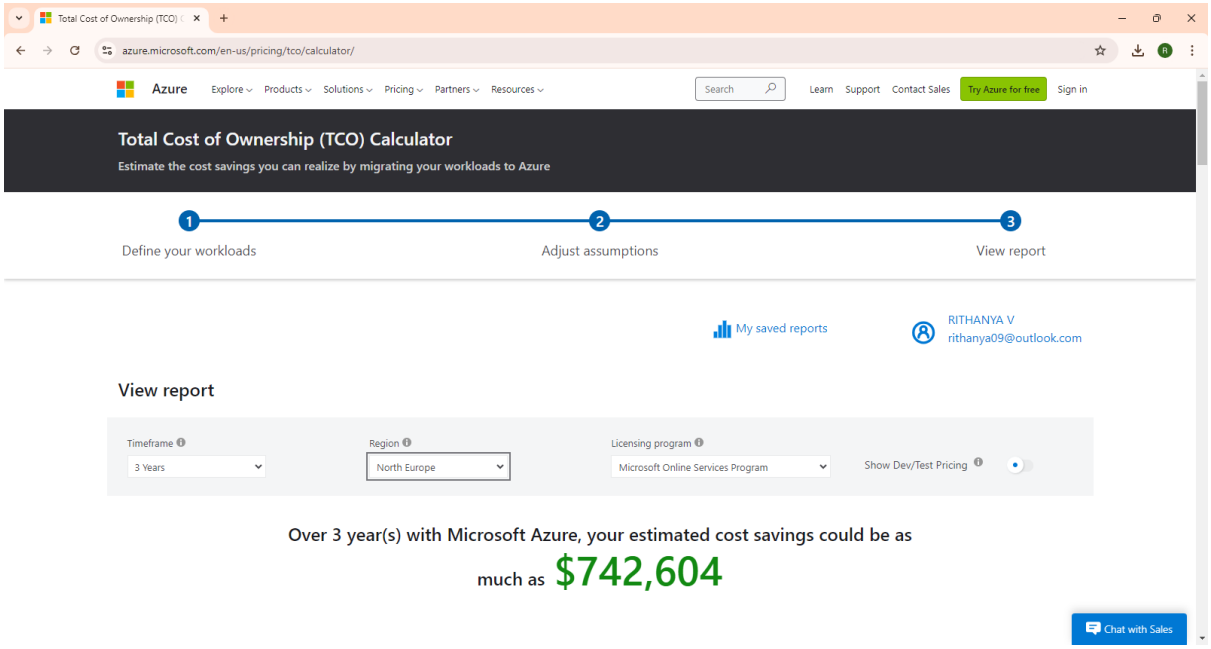
1. Set **Timeframe** to **3 Years**.
2. Set **Region** to **North Europe**.

Scroll to the summary at the bottom. You see a comparison of running your workloads in the datacenter versus on Azure.

WORKING :







Link : https://azure.com/tco/c4dcbac271b541b3a190cd33df67dbda/