

MICROSOFT AZURE

NAME : UMAMAHESWARI A

DEPARTMENT: B.Tech CSBS

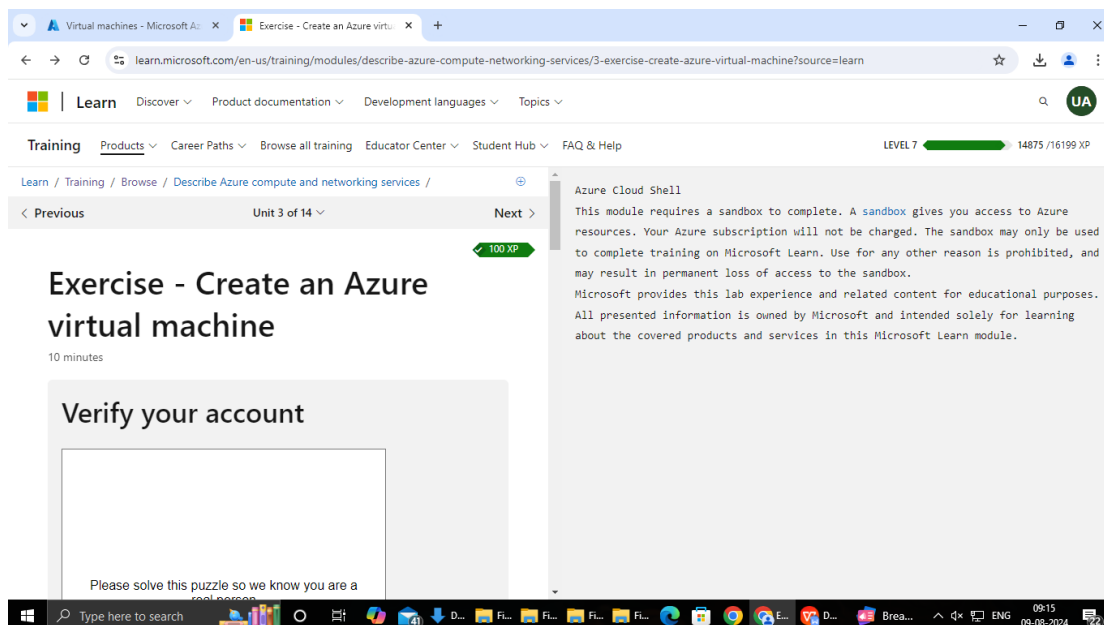
GIT LINK: <https://github.com/Umamaheswari004/Umamaheswari.git>

**REQUESTING A CLOUD SHELL SUCCEEDED.
CONNECTING TERMINAL...**

Welcome to Azure Cloud Shell

Sandbox:

1.Create sandbox



The screenshot displays the Microsoft Learn website interface. The browser address bar shows the URL: learn.microsoft.com/en-us/training/modules/describe-azure-compute-networking-services/3-exercise-create-azure-virtual-machine?source=learn. The page title is "Exercise - Create an Azure virtual machine" with a duration of "10 minutes". Below the title is a "Verify your account" section containing a puzzle. To the right, a sidebar titled "Azure Cloud Shell" provides information about the sandbox environment, stating that it requires a sandbox to complete and that the user's Azure subscription will not be charged. The sidebar also mentions that the sandbox may only be used for training on Microsoft Learn and that the information is intended solely for learning purposes. The page navigation includes "Previous" and "Next" buttons, and a "Unit 3 of 14" indicator. The bottom of the page shows a Windows taskbar with various application icons and the system clock displaying 09:15 on 09-08-2024.

Virtual machines - Microsoft A... Exercise - Create an Azure virtu...
learn.microsoft.com/en-us/training/modules/describe-azure-compute-networking-services/3-exercise-create-azure-virtual-machine?source=learn

Learn Discover Product documentation Development languages Topics

Training Products Career Paths Browse all training Educator Center Student Hub FAQ & Help

LEVEL 7 14875 / 16199 XP

Exercise - Create an Azure virtual machine

10 minutes

Sandbox activated! Time remaining: 59 min

You have used 1 of 10 sandboxes for today. More sandboxes will be available tomorrow.

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

3.Sandbox Cammands:

- `az vm create --resource-group "learn-6be6874e-0957-486f-a28f-895aa6db1625" --name my-vm --public-ip-sku Standard --image Ubuntu2204 --admin-username azureuser --generate-ssh-keys`

Virtual machines - Microsoft A... Exercise - Create an Azure virtu...
learn.microsoft.com/en-us/training/modules/describe-azure-compute-networking-services/3-exercise-create-azure-virtual-machine?source=learn

Learn Discover Product documentation Development languages Topics

Training Products Career Paths Browse all training Educator Center Student Hub FAQ & Help

LEVEL 7 14875 / 16199 XP

Your VM takes a few moments to come up. You named the VM my-vm. You use this name to refer to the VM in later steps.

2. Run the following `az vm extension set` command to configure Nginx on your VM:

```
az vm extension set \
  --resource-group "learn-f9291f45-d125-434c-95d2-a82551db5e32" \
  --vm-name my-vm \
  --name customScript \
  --publisher Microsoft.Azure.Extensions \
  --version 2.1 \
  --settings '{"fileUri":["https://raw.githubusercontent.com/MicrosoftDocs/azure-samples/master/scripts/azure-cli-install.ps1"]}' \
  --protected-settings '{"commandToExecute": "sudo apt-get install nginx -y; nginx -s"}'
```

This command uses the Custom Script Extension to run a Bash script on your VM. The script is stored on GitHub. While the command runs, you can choose to [examine the Bash script](#) from a separate browser tab. To summarize, the script:

Azure Cloud Shell

```
Switch to PowerShell Restart Manage files New session ...
umacsbs04 [ ~ ]$ az vm create --resource-group "learn-f9291f45-d125-434c-95d2-a82551db5e32" --name my-vm --public-ip-sku Standard --image Ubuntu2204 --admin-username azureuser --generate-ssh-keys
bash: $'^[200~az': command not found
umacsbs04 [ ~ ]$ az vm create --resource-group "learn-f9291f45-d125-434c-95d2-a82551db5e32" --name my-vm --public-ip-sku Standard --image Ubuntu2204 --admin-username azureuser --generate-ssh-keys
SSH key files '/home/umacsbs04/.ssh/id_rsa' and '/home/umacsbs04/.ssh/id_rsa.pub' have been generated under ~/.ssh to allow SSH access to the VM. If using machines without permanent storage, back up your keys to a safe location.
{
  "fqdns": "",
  "id": "/subscriptions/293caa52-ebff-42e6-9e6f-48771148aeed/resourceGroups/learn-f9291f45-d125-434c-95d2-a82551db5e32/providers/Microsoft.Compute/virtualMachines/my-vm",
  "location": "westus",
  "macAddress": "60-45-BD-02-E3-E9",
  "powerState": "VM running",
  "privateIpAddress": "10.0.0.4",
  "publicIpAddress": "13.91.50.78",
  "resourceGroup": "learn-f9291f45-d125-434c-95d2-a82551db5e32",
  "zones": ""
}
```

- `az vm extension set --resource-group "learn-6be6874e-0957-486f-a28f-895aa6db1625" --vm-name my-vm --name customScript --publisher Microsoft.Azure.Extensions --version 2.1 --settings '{"fileUri":["https://raw.githubusercontent.com/MicrosoftDocs/ms-learn-welcome-to-azure/master/configure-nginx.sh"]}' --protected-settings '{"commandToExecute": "./configure-nginx.sh}"`

The screenshot shows the Azure Cloud Shell interface with the following commands and output:

```
umacsb04 [ ~ ]$ az vm create --resource-group "learn-f9291f45-d125-434c-95d2-a82551db5e32" --name my-vm --public-ip-sku Standard --image Ubuntu2204 --admin-username azureuser --generate-ssh-keys
bash: '$'\E[200~az': command not found
umacsb04 [ ~ ]$ az vm create --resource-group "learn-f9291f45-d125-434c-95d2-a82551db5e32" --name my-vm --public-ip-sku Standard --image Ubuntu2204 --admin-username azureuser --generate-ssh-keys
SSH key files '/home/umacsb04/.ssh/id_rsa' and '/home/umacsb04/.ssh/id_rsa.pub' have been generated under ~/.ssh to allow SSH access to the VM. If using machines without permanent storage, back up your keys to a safe location.
{
  "fqdns": "",
  "id": "/subscriptions/293caa52-ebff-42e6-9e6f-48771148aeed/resourceGroups/learn-f9291f45-d125-434c-95d2-a82551db5e32/providers/Microsoft.Compute/virtualMachines/my-vm",
  "location": "westus",
  "macAddress": "60-45-BD-02-E3-E9",
  "powerState": "VM running",
  "privateIpAddress": "10.0.0.4",
  "publicIpAddress": "13.91.50.78",
  "resourceGroup": "learn-f9291f45-d125-434c-95d2-a82551db5e32",
  "zones": ""
}
umacsb04 [ ~ ]$
```

The Azure CLI command is shown in the left pane:

```
az vm extension set \
--resource-group "learn-f9291f45-d125-434c-95d2-a82551db5e32" \
--vm-name my-vm \
--name customScript \
--publisher Microsoft.Azure.Extensions \
--version 2.1 \
--settings '{"fileUri":["https://raw.githubusercontent.com/MicrosoftDocs/ms-learn-welcome-to-azure/master/configure-nginx.sh"]}' \
--protected-settings '{"commandToExecute": "./configure-nginx.sh}"
```

- `sudo apt-get update`
- `ssh azureuser@13.93.150.73`

The screenshot shows the Azure Cloud Shell interface with the following commands and output:

```
umacsb04 [ ~ ]$ 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 umacsb04:
sudo: a password is required
umacsb04 [ ~ ]$ ssh azureuser@13.91.50.78
The authenticity of host '13.91.50.78 (13.91.50.78)' can't be established.
ED25519 key fingerprint is SHA256:08f6qphlce@cinR+all7GIDRWMRqPULS7EsJOYI.
This key is not known by any other names
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added '13.91.50.78' (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
```

The Azure CLI command is shown in the left pane:

```
az vm extension set \
--resource-group "learn-f9291f45-d125-434c-95d2-a82551db5e32" \
--vm-name my-vm \
--name customScript \
--publisher Microsoft.Azure.Extensions \
--version 2.1 \
--settings '{"fileUri":["https://raw.githubusercontent.com/MicrosoftDocs/ms-learn-welcome-to-azure/master/configure-nginx.sh"]}' \
--protected-settings '{"commandToExecute": "./configure-nginx.sh}"
```

- `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`

Virtual machines - Microsoft Learn

Exercise - Create an Azure virtual machine

learn.microsoft.com/en-us/training/modules/describe-azure-compute-networking-services/3-exercise-create-azure-virtual-machine?source=learn

Learn Discover Product documentation Development languages Topics

Training Products Career Paths Browse all training Educator Center Student Hub FAQ & Help

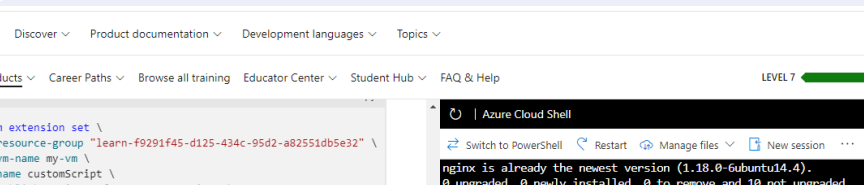
LEVEL 7 14875 / 16199 XP

```
az vm extension set \
--resource-group "learn-f9291f45-d125-434c-95d2-a82551db5e32" \
--vm-name my-vm \
--name customScript \
--publisher Microsoft.Azure.Extensions \
--version 2.1 \
--settings '{"fileUri": "https://raw.githubusercontent.com/MicrosoftDocs/azure-samples/master/scripts/azure-virtual-machine/3-exercise-create-azure-virtual-machine/3-exercise-create-azure-virtual-machine.sh"}' \
--protected-settings '{"commandToExecute": "sudo ./configure-nginx.sh"}'
```

This command uses the Custom Script Extension to run a Bash script on your VM. The script is stored on GitHub. While the command runs, you can choose to examine the [Bash script](#) from a separate browser tab. To summarize, the script:

- Runs `apt-get update` to download the latest package information from the internet. This step helps ensure that the next command can locate the latest version of the Nginx package.
- Installs Nginx.
- Sets the home page, `/var/www/html/index.html`, to print a welcome message that includes your VM's host name.

- `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`



The screenshot shows a web browser with the Microsoft Learn page titled "Exercise - Create an Azure Virtual Machine". The article content is partially visible, showing a Bash script for setting up a custom script extension on an Azure VM. The script includes details like resource group, VM name, publisher (Microsoft.Azure.Extensions), version (2.1), and settings for the script to fetch a file from GitHub and execute a command to install and configure Nginx.

Below the script, the text explains that this command uses the Custom Script Extension to run a Bash script on the VM. It mentions that the script is stored on GitHub and that the user can examine the Bash script from a separate browser tab. To summarize, the script:

- Runs `apt-get update` to download the latest package information from the internet. This step helps ensure that the next command can locate the latest version of the Nginx package.
- Installs Nginx.
- Sets the home page, `/var/www/html/index.html`, to print a welcome message that includes your VM's host name.

On the right side of the screenshot, a terminal window titled "Azure Cloud Shell" is open. It shows the execution of the script, including the installation of Nginx and the output of the `systemctl status nginx` command, which shows that Nginx is active and running.

- Exit
- `az vm open-port --resource-group "learn-6be6874e-0957-486f-a28f-895aa6db1625" --name my-vm --port 80`

The screenshot shows the Microsoft Learn training page for the exercise 'Create an Azure virtual machine'. The page includes a sidebar with navigation links and a main content area with the exercise title and instructions. To the right, an Azure Cloud Shell terminal window is open, showing the execution of the `az vm open-port` command. The terminal output indicates that the command was successful, and the VM's IP address is 13.91.50.78.

Exercise - Create an Azure virtual machine
10 minutes

Sandbox activated! Time remaining: 24 min

You have used 1 of 10 sandboxes for today. More sandboxes will be available tomorrow.

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.

Azure Cloud Shell

```

-2374 "nginx: master process /usr/sbin/nginx -g daemon on; master_p
-2377 "nginx: worker process" "" "" "" "" "" "" "" "" "" "" "" ""
Aug 09 03:54:48 my-vm systemd[1]: Starting A high performance web server and a res
Aug 09 03:54:48 my-vm systemd[1]: Started A high performance web server and a res
lines 1-14/14 (END)
azureuser@my-vm:~$ exit
logout
Connection to 13.91.50.78 closed.
umacsb04 [ ~ ]$ az vm open-port --resource-group "learn-f9291f45-d125-434c-95d2-a
82551db5e32" --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/\"57c5965d-8607-4a1e-a954-a6a4af63733\"\"",
      "id": "/subscriptions/293caa52-ebff-42e6-9e6f-48771148aeed/resourceGroups/le
arn-f9291f45-d125-434c-95d2-a82551db5e32/providers/Microsoft.Network/networkSecuri

```

- `az vm list-ip-addresses --resource-group "learn-6be6874e-0957-486f-a28f-895aa6db1625" --name my-vm --output table`

The screenshot shows the Microsoft Learn training page for the exercise 'Create an Azure virtual machine'. The page includes a sidebar with navigation links and a main content area with the exercise title and instructions. To the right, an Azure Cloud Shell terminal window is open, showing the execution of the `az vm list-ip-addresses` command. The terminal output displays the IP addresses for the VM in a table format.

Exercise - Create an Azure virtual machine
10 minutes

Sandbox activated! Time remaining: 24 min

You have used 1 of 10 sandboxes for today. More sandboxes will be available tomorrow.

In this exercise, you create an Azure virtual machine (VM) and install Nginx, a popular web server.

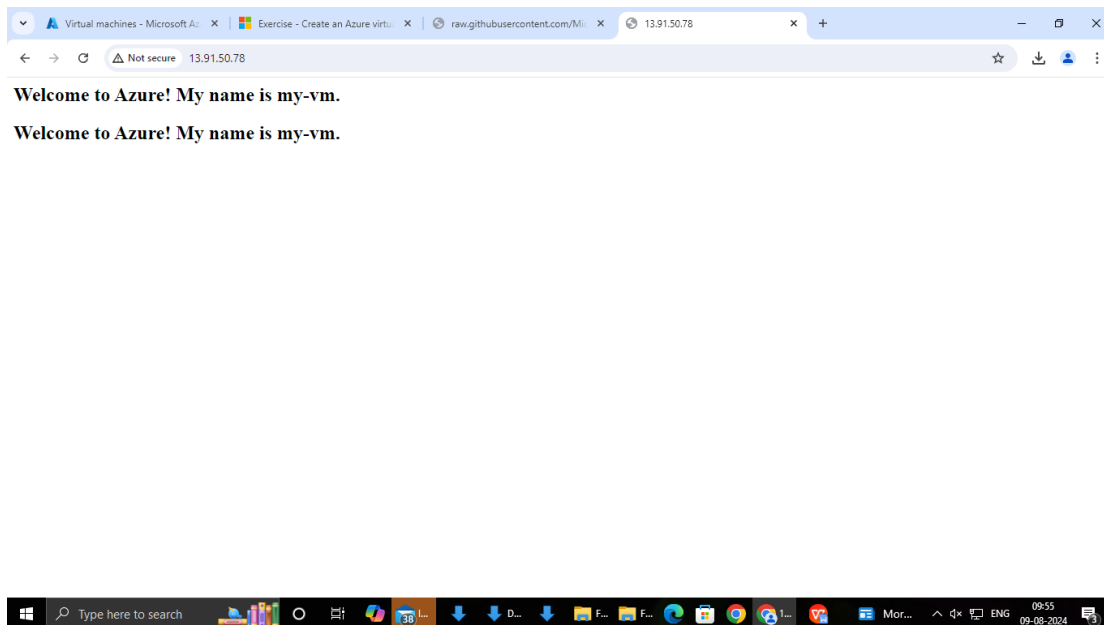
You could use the Azure portal, the Azure CLI, Azure PowerShell, or an Azure Resource Manager (ARM) template.

Azure Cloud Shell

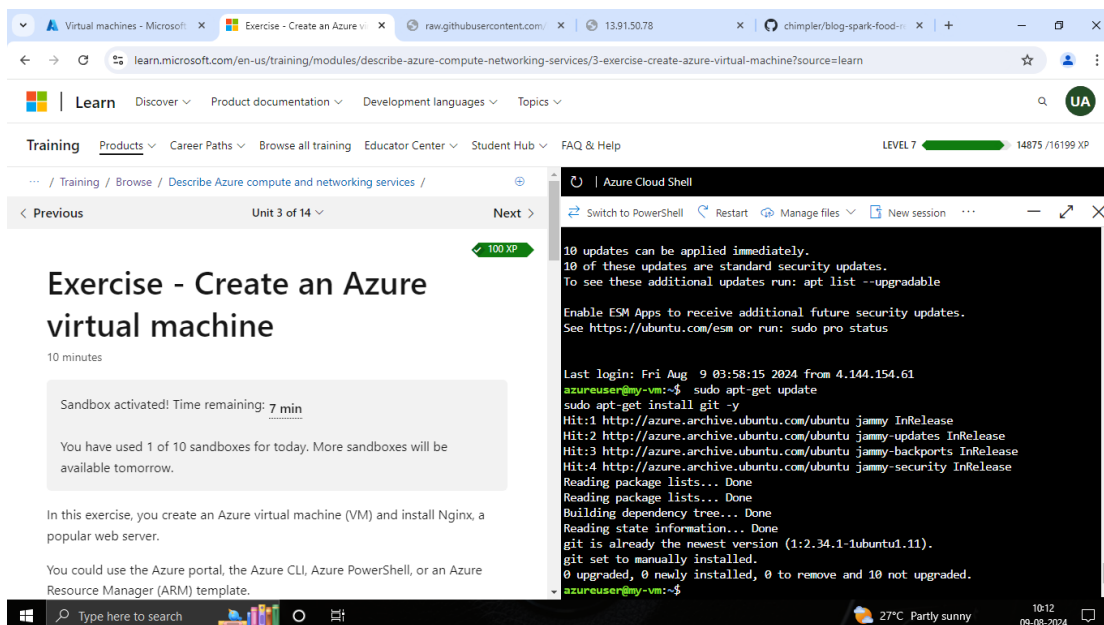
```

"tags": {},
"type": "Microsoft.Network/networkSecurityGroups"
}
],
"tags": {},
"type": "Microsoft.Network/networkSecurityGroups"
}
umacsb04 [ ~ ]$ az vm list-ip-addresses --resource-group "learn-f9291f45-d125-43
4c-95d2-a82551db5e32" --name my-vm --output table
VirtualMachine PublicIPAddresses PrivateIPAddresses
my-vm 13.91.50.78 10.0.0.4
umacsb04 [ ~ ]$

```



- `sudo apt-get update`
- `sudo apt-get install git -y`



- `git clone https://github.com/Umamaheswari004/MyPortfolio.git`
- `sudo cp -r MyPortfolio/* /var/www/html/`
- `sudo systemctl restart nginx`

Virtual machines - Mi x Exercise - Create an x Patishreyas/Foodium x raw.githubusercontent.com x 13.91.50.78 x Fahadgit123/Simple x + -

learn.microsoft.com/en-us/training/modules/describe-azure-compute-networking-services/3-exercise-create-azure-virtual-machine?source=learn

Learn Discover Product documentation Development languages Topics

Training Products Career Paths Browse all training Educator Center Student Hub FAQ & Help LEVEL 7 14875 / 16199 XP

Training / Browse / Describe Azure compute and networking services /

Previous Unit 3 of 14 Next

Exercise - Create an Azure virtual machine

10 minutes

Sandbox activated! Time remaining: 3 min

You have used 1 of 10 sandboxes for today. More sandboxes will be available tomorrow.

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.

```
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 10 not upgraded.
azureuser@my-vm:~$ git clone https://github.com/GNiruthian/Login-Page-using-html-c
ss.git
Cloning into 'Login-Page-using-html-css'...
remote: Enumerating objects: 5, done.
remote: Counting objects: 100% (5/5), done.
remote: Compressing objects: 100% (5/5), done.
remote: Total 5 (delta 0), reused 1 (delta 0), pack-reused 0
Receiving objects: 100% (5/5), done.
azureuser@my-vm:~$ sudo cp -r Login-Page-using-html-css/* /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:~$
```

OUTPUT:

Virtual machines - Mi x Exercise - Create an x Patishreyas/Foodium x raw.githubusercontent.com x Login Form x Fahadgit123/Simple x + -

Not secure 13.91.50.78

Login Form

Email Address

Password

Forgot password?

Login

Not yet member? [Signup now](#)

VIRTUAL MACHINE:

1. Creating a virtual machine

The screenshot displays the Microsoft Azure portal interface for creating a new virtual machine. The browser address bar shows the URL `portal.azure.com/#create/Microsoft.VirtualMachine-ARM`. The page title is "Create a virtual machine".

Basics | Disks | Networking | Management | Monitoring | Advanced | Tags | Review + create

Select the subscription to manage deployed resources and costs. Use resource groups like folders to organize and manage all your resources.

Subscription *

Resource group * [Create new](#)

Instance details

Virtual machine name *

Region *

Availability options

Zone options ☒ Self-selected zone
Choose up to 3 availability zones, one VM per zone

☐ Azure-selected zone (Preview)
Let Azure assign the best zone for your needs

[Help on how self-selected zones are selected in Azure](#)

[Give feedback](#)

[Previous](#) [Next: Disks >](#) [Review + create](#)

Disks

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 ☐

OS disk

OS disk size

OS disk type *

Delete with VM ☒

[Give feedback](#)

[Previous](#) [Next: Networking >](#) [Review + create](#)

Azure for Students - Free Account | Create a virtual machine - Microsoft Azure

portal.azure.com/#create/Microsoft.VirtualMachine-ARM

Microsoft Azure | Search resources, services, and docs (G+J)

umacsbs04@gmail.com | DEFAULT DIRECTORY (UMACSBS...)

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 * [Create new](#)

Subnet * [Manage subnet configuration](#)

Public IP [Create new](#)

NIC network security group ☐ None ☒ Basic ☐ Advanced

< Previous | Next: Management > | **Review + create** | [Give feedback](#)

Windows taskbar: Type here to search, task icons, Create a virtual machine, New Tab, Document, Golf, 10:03 10-08-2024

Azure for Students - Free Account | Create a virtual machine - Microsoft Azure

portal.azure.com/#create/Microsoft.VirtualMachine-ARM

Microsoft Azure | Search resources, services, and docs (G+J)

umacsbs04@gmail.com | DEFAULT DIRECTORY (UMACSBS...)

Create a virtual machine

Basics | Disks | Networking | **Management** | Monitoring | Advanced | Tags | Review + create

Configure management options for your VM.

Microsoft Defender for Cloud

Microsoft Defender for Cloud provides unified security management and advanced threat protection across hybrid cloud workloads. [Learn more](#)

✔ Your subscription is protected by Foundational Cloud Security Posture Management Free Plan.

Identity

Enable system assigned managed identity ☐

Microsoft Entra ID

Login with Microsoft Entra ID ☐

RBAC role assignment of Virtual Machine Administrator Login or Virtual Machine Administrator Role to the system assigned managed identity. [Learn more](#)

< Previous | Next: Monitoring > | **Review + create** | [Give feedback](#)

Windows taskbar: Type here to search, task icons, Create a virtual machine, New Tab, Document, Golf, 10:04 10-08-2024

Azure for Students – Free Acco...Create a virtual machine - Micro...+

portalazure.com/#create/Microsoft.VirtualMachine-ARM

Microsoft AzureSearch resources, services, and docs (G+/)

umacsb04@gmail.comDEFAULT DIRECTORY (UMACSBS...

Home > Virtual machines >

Create a virtual machine...

BasicsDisksNetworkingManagementMonitoringAdvancedTagsReview + create

Add additional configuration, agents, scripts or applications via virtual machine extensions or cloud-init.

Extensions

Extensions provide post-deployment configuration and automation.

Extensions [Select an extension to install](#)

VM applications

VM applications contain application files that are securely and reliably downloaded on your VM after deployment. In addition to the application files, an install and uninstall script are included in the application. You can easily add or remove applications on your VM after create. [Learn more](#)

[Select a VM application to install](#)

Custom data and cloud init

Pass a cloud-init script, configuration file, or other data into the virtual machine **while it is being provisioned**. The data will be saved on the VM in a known location. [Learn more about custom data for VMs](#)

< PreviousNext: Tags >Review + create

[Give feedback](#)



Azure for Students – Free Acco...Create a virtual machine - Micro...+

portalazure.com/#create/Microsoft.VirtualMachine-ARM

Microsoft AzureSearch resources, services, and docs (G+/)

umacsb04@gmail.comDEFAULT DIRECTORY (UMACSBS...

Home > Virtual machines >

Create a virtual machine...

BasicsDisksNetworkingManagementMonitoringAdvancedTagsReview + create

Tags are name/value pairs that enable you to categorize resources and view consolidated billing by applying the same tag to multiple resources and resource groups. [Learn more about tags](#)

Note that if you create tags and then change resource settings on other tabs, your tags will be automatically updated.

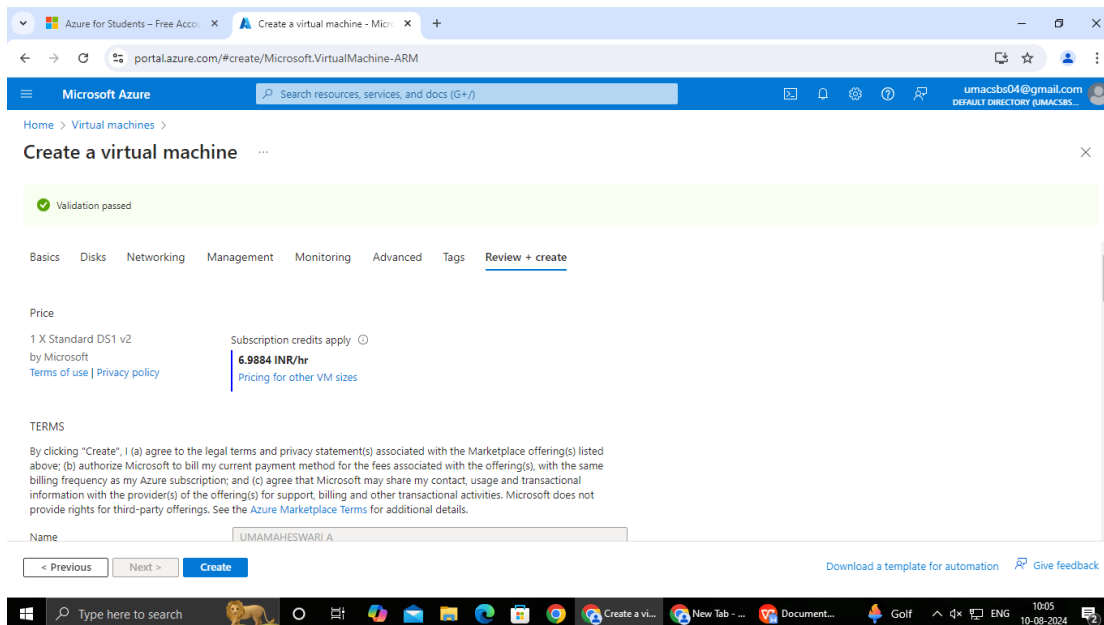
Name	Value	Resource
<input type="text"/>	: <input type="text"/>	13 selected

< PreviousNext: Review + create >Review + create

[Give feedback](#)

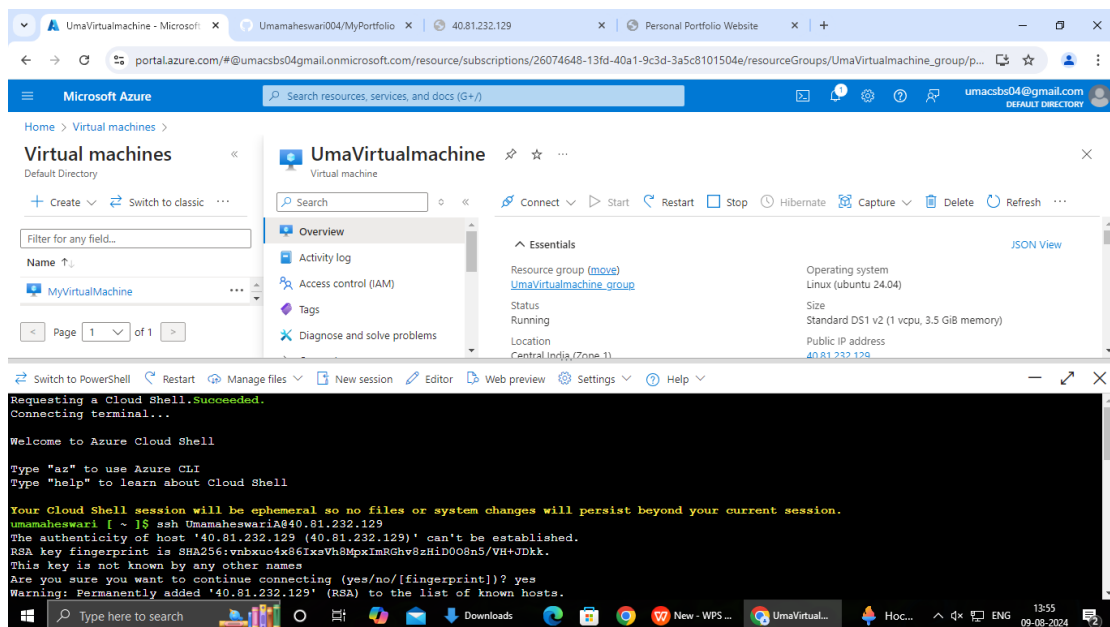
<https://go.microsoft.com/fwlink/?linkid=873112>





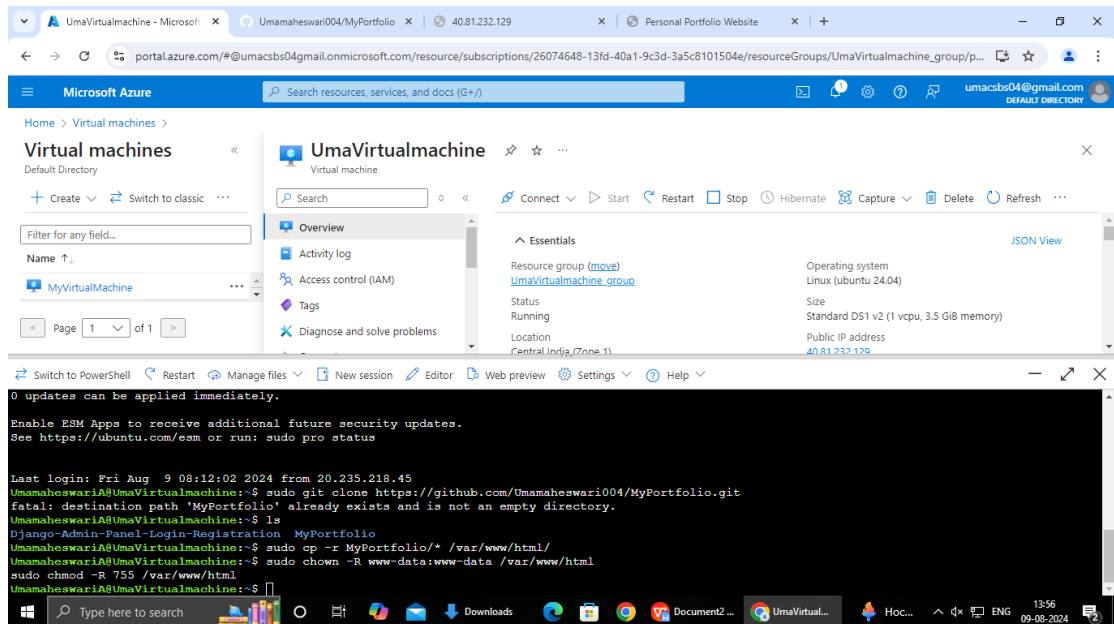
2.Virtual machine creating commands:

- `ssh UmamaheswariA@40.81.232.129`

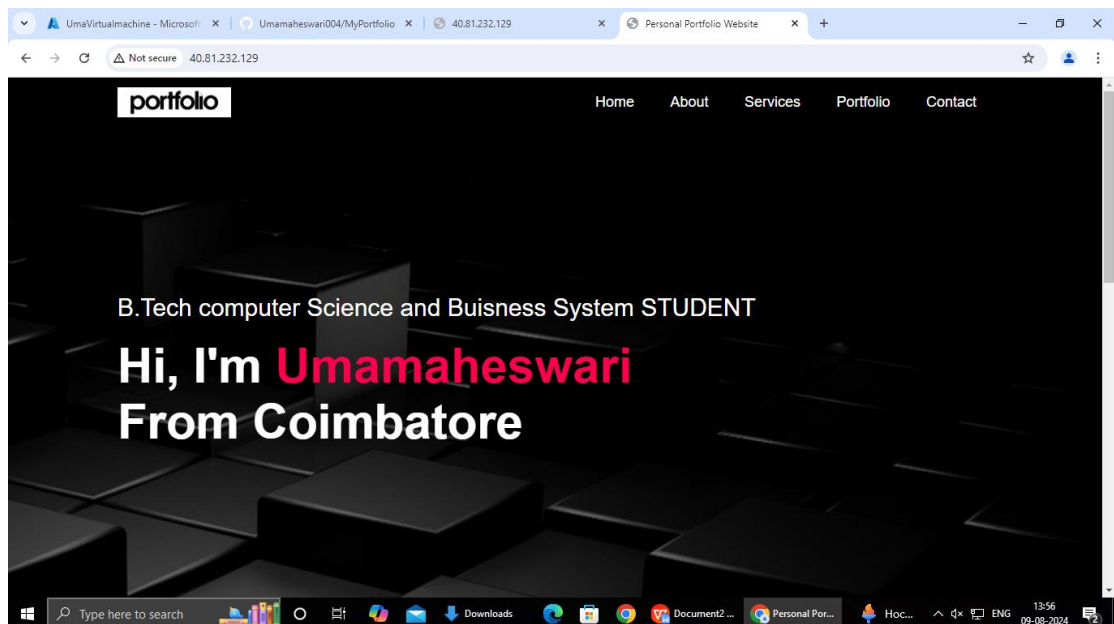


- `sudo apt update`
- `sudo apt install git`
- `sudo apt install nginx`
- `sudo systemctl start nginx`
- `sudo systemctl enable nginx`
- `cd /var/www/html`
- `sudo rm -rf *`

- sudo git clone <https://github.com/Umamaheswari004/MyPortfolio.git>
- sudo chown -R www-data:www-data /var/www/html

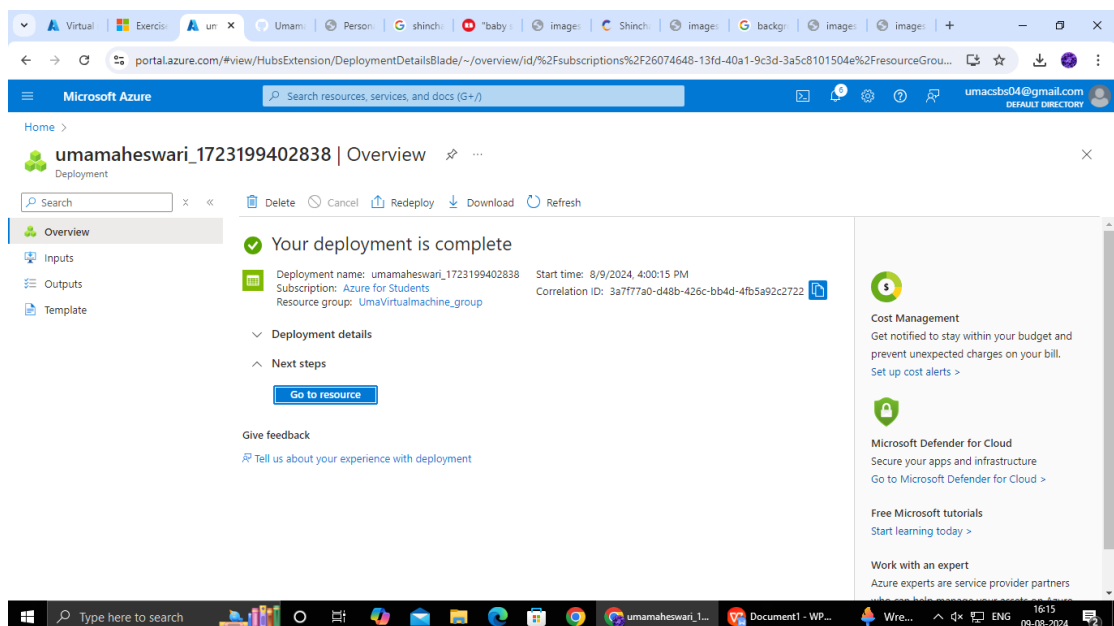
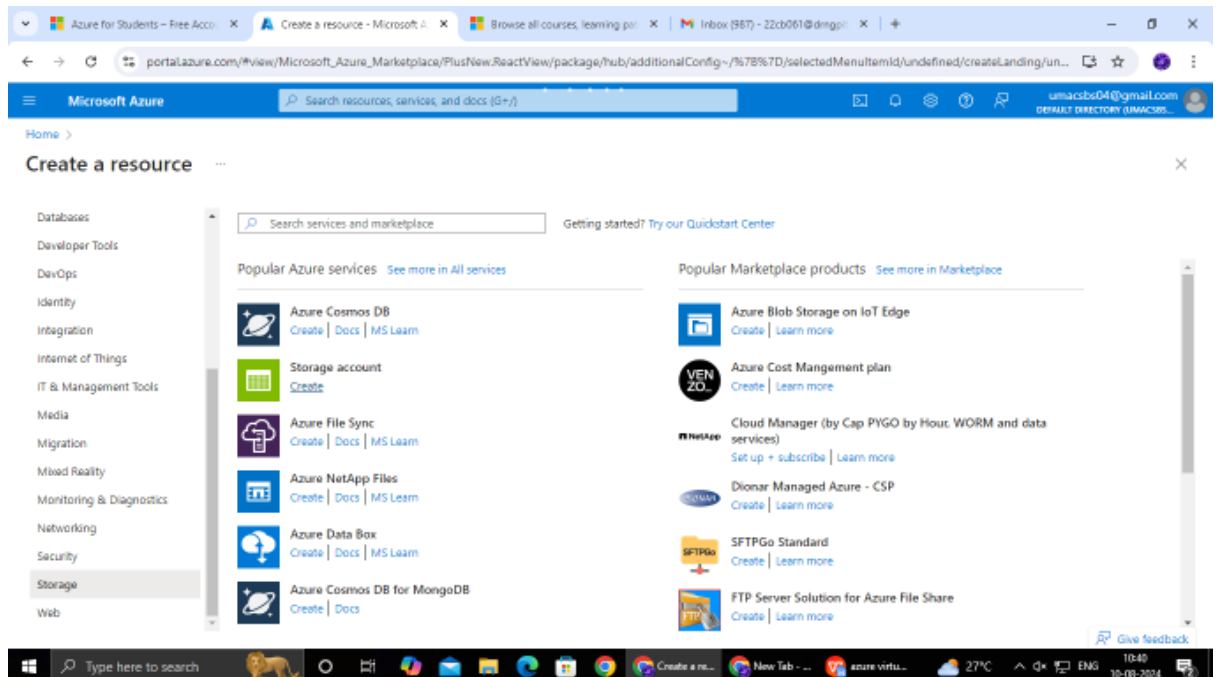


OUTPUT:



STORAGE ACCOUNTS:

- Creating storage account



- Creating containers:

The screenshot shows the Microsoft Azure portal interface. The top navigation bar includes the 'Microsoft Azure' logo and a search bar. The main content area displays the 'Overview' page for a storage account named 'umamaheswari'. The left sidebar contains a navigation menu with options like 'Overview', 'Activity log', 'Tags', 'Diagnose and solve problems', 'Access Control (IAM)', 'Data migration', 'Events', 'Storage browser', 'Storage Mover', 'Partner solutions', 'Data storage', 'Containers', 'File shares', 'Queues', and 'Tables'. The main content area is divided into two sections: 'Essentials' and 'Properties'. The 'Essentials' section shows key information about the storage account, including its resource group, location, subscription ID, disk state, and tags. The 'Properties' section is further divided into 'Blob service' and 'Security' tabs, showing various settings like 'Hierarchical namespace', 'Default access tier', 'Blob anonymous access', 'Blob soft delete', 'Container soft delete', 'Require secure transfer for REST API operations', 'Storage account key access', 'Minimum TLS version', and 'Infrastructure encryption'.

Microsoft Azure

Home > umamaheswari_1723199402838 | Overview >

umamaheswari

Storage account

Search

Upload Open in Explorer Delete Move Refresh Open in mobile CLI / PS Feedback

JSON View

Essentials

Resource group (Umavirtualmachine_group)

Location: centralindia

Subscription (move): Azure for Students

Subscription ID: 26074648-13fd-40a1-9c3d-3a5c8101504e

Disk state: Available

Tags (edit): Add tags

Performance: Standard

Replication: Locally-redundant storage (LRS)

Account kind: StorageV2 (general purpose v2)

Provisioning state: Succeeded

Created: 8/9/2024, 4:00:16 PM

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)

Security

Require secure transfer for REST API operations: Enabled

Storage account key access: Enabled

Minimum TLS version: Version 1.2

Infrastructure encryption: Disabled

The screenshot shows the Microsoft Azure portal interface, specifically the 'Containers' page for the storage account 'umamaheswari'. The left sidebar is the same as in the previous screenshot. The main content area is titled 'Containers' and includes a search bar, a 'Show deleted containers' toggle, and a table listing the containers. The table has columns for 'Name', 'Last modified', 'Anonymous access level', and 'Lease state'. There are two containers listed: 'slogs' and 'umamaheswari'.

Microsoft Azure

Home > umamaheswari_1723199402838 | Overview > umamaheswari

umamaheswari | Containers

Storage account

Search

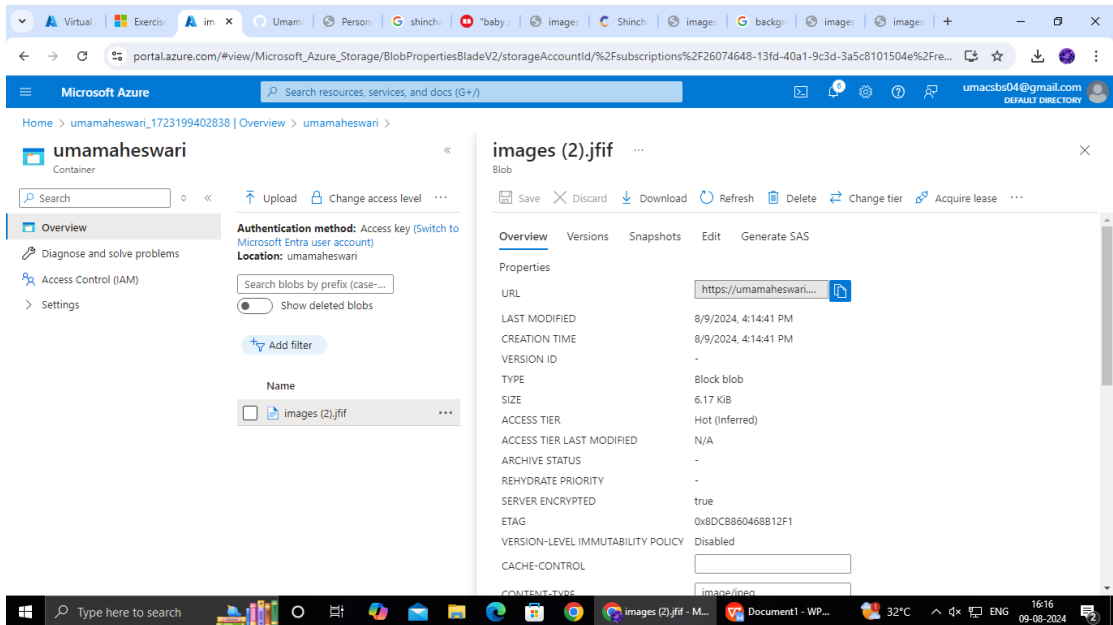
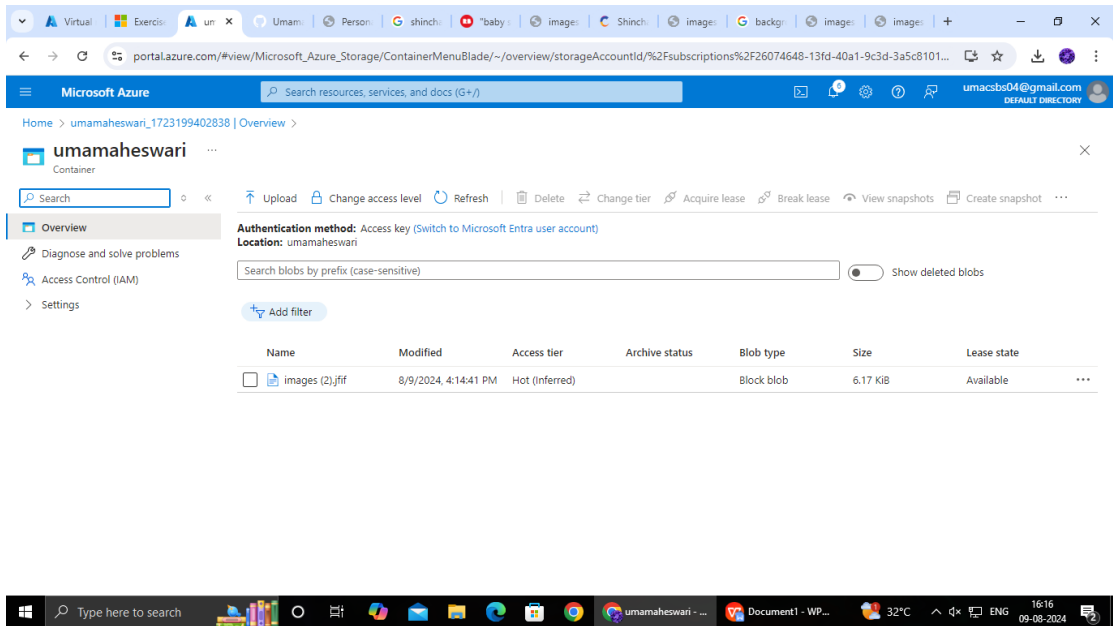
+ Container Change access level Restore containers Refresh Delete Give feedback

Search containers by prefix

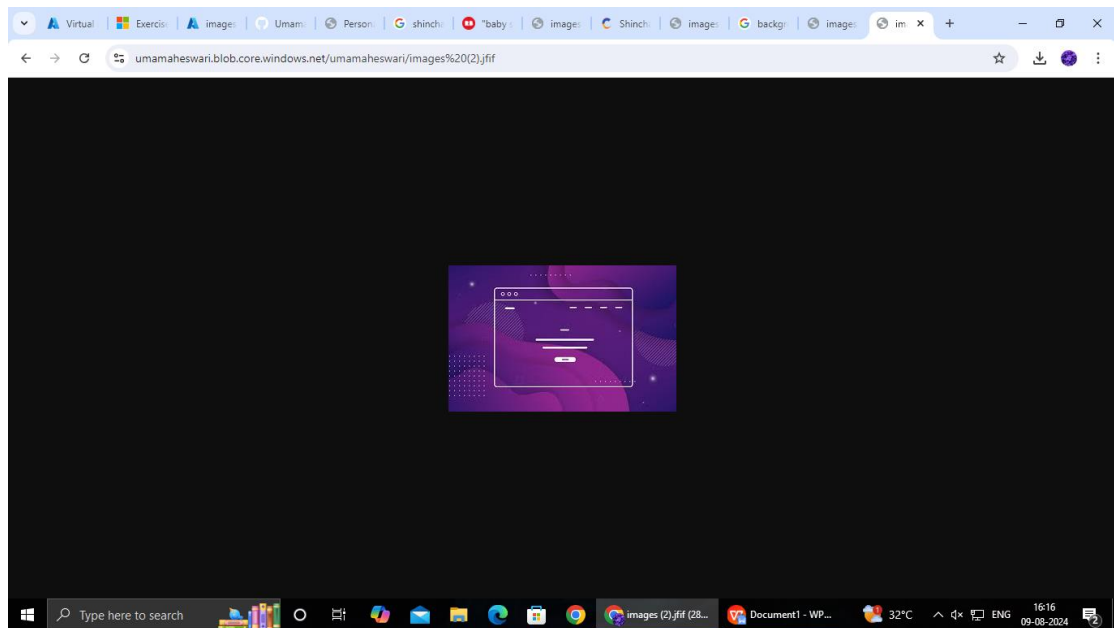
Show deleted containers

Name	Last modified	Anonymous access level	Lease state
<input type="checkbox"/> slogs	8/9/2024, 4:00:45 PM	Private	Available ...
<input type="checkbox"/> umamaheswari	8/9/2024, 4:11:28 PM	Blob	Available ...

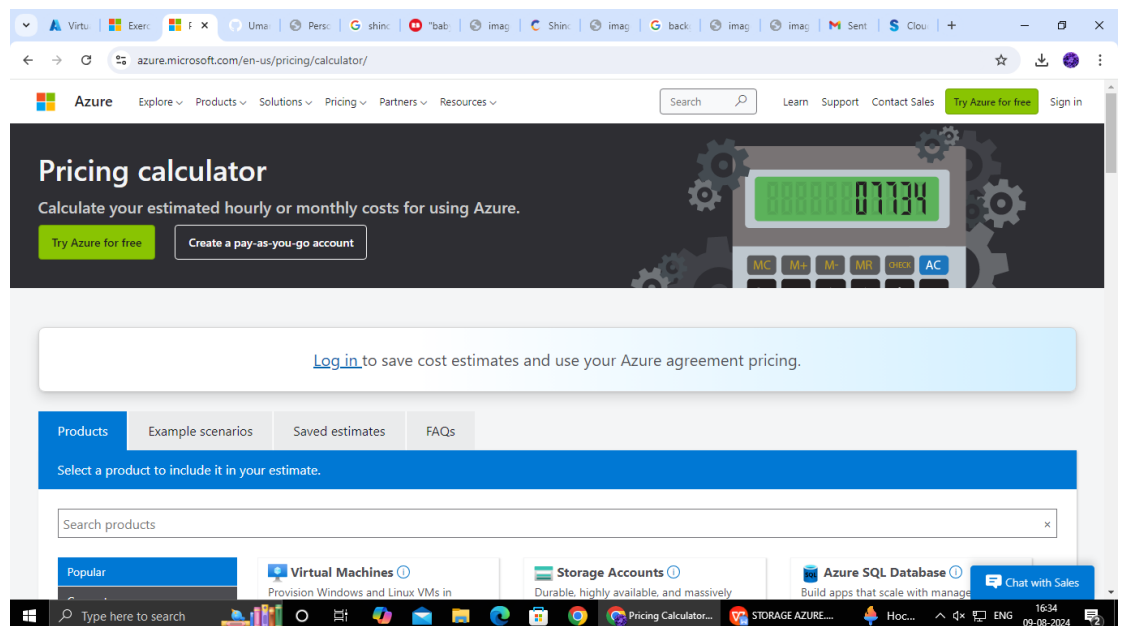
- Upload image



OUTPUT:



COST MANAGEMENT:



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?)

DC1s v3: 1 Core, 8 GB RAM, 0 GB Temporary storage, \$0.158/hour

Upfront: \$0.00 Monthly: \$230.68

Chat with Sales

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 x 730 Hours

Chat with Sales

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 x 730 Hours = \$206.04

Data processed

1 TB = \$0.00

Outbound Data Transfer

5 GB = \$0.00

Chat with Sales

Servers

Enter the details of your on-premises server infrastructure. After adding a workload, select the workload type and enter the remaining details.

Servers: Windows VMs

Workload: Windows/Linux Server Environment: Virtual Machines Operating system: Windows Operating System License: Datacenter VMs: 50 (1 - 9999) Virtualization: Hyper-V

Core(s): 8 (1 - 32) RAM (GB): 16 (1 - 448) Optimize by: CPU Windows Server 2008/2008 R2

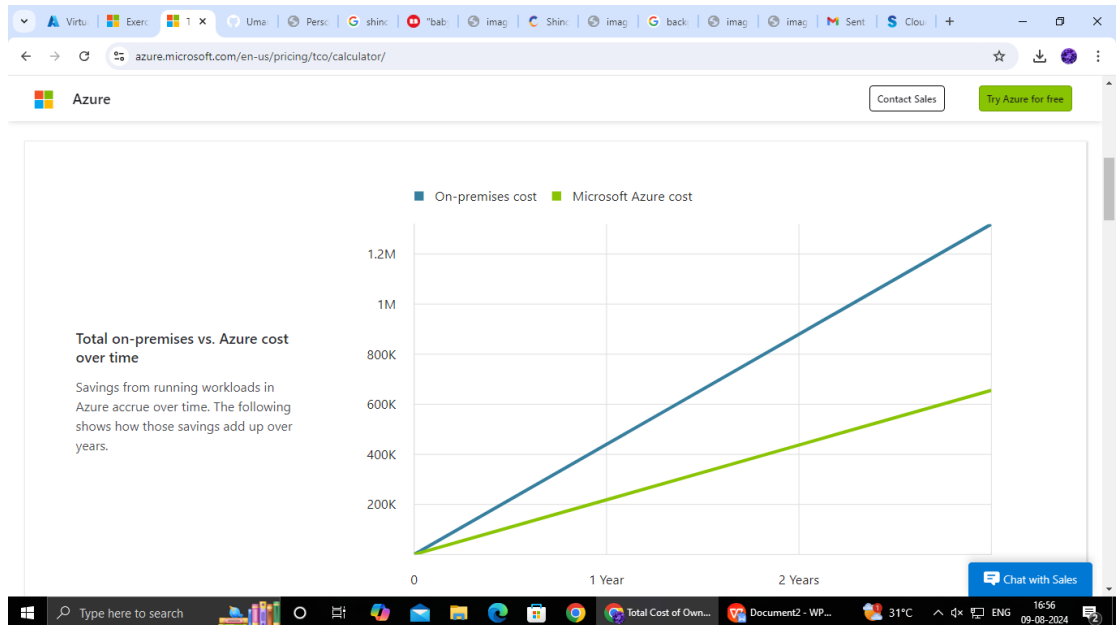
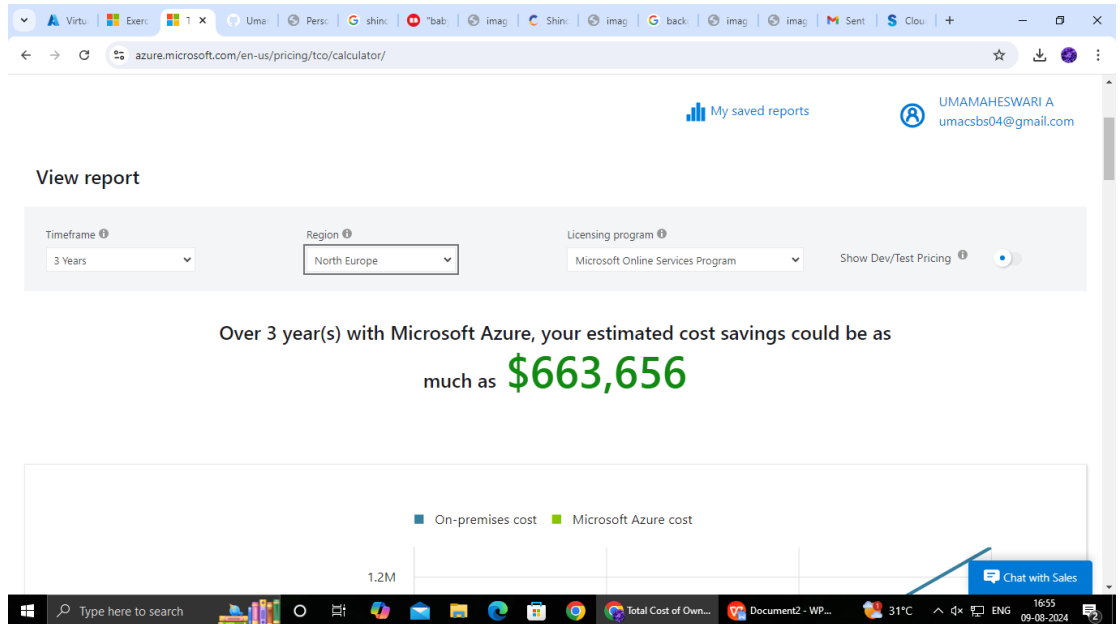
Servers: Linux VMs

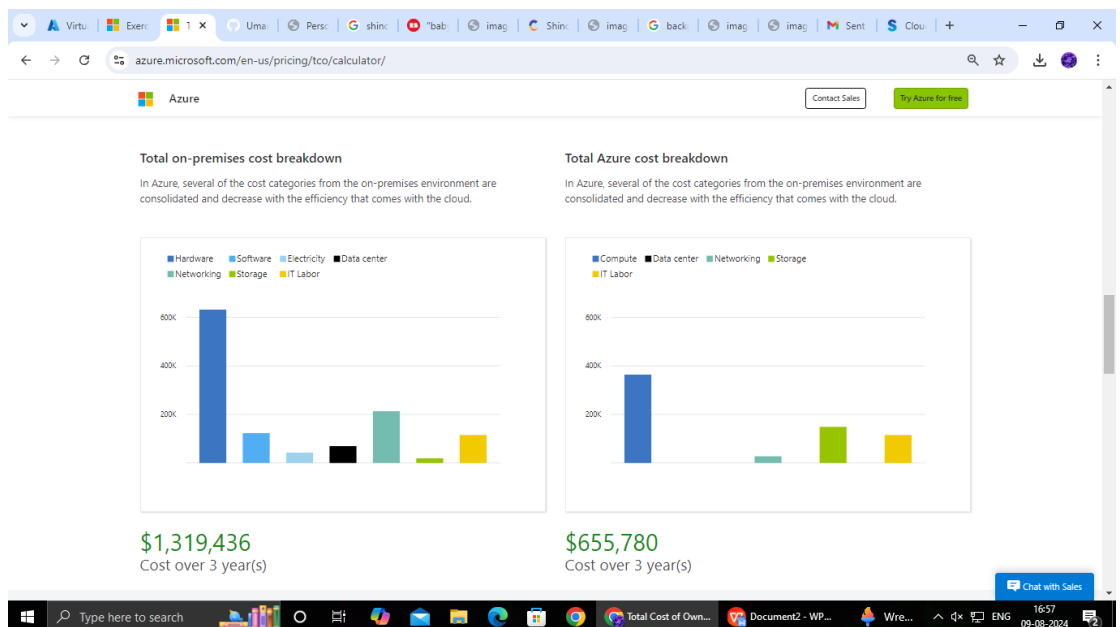
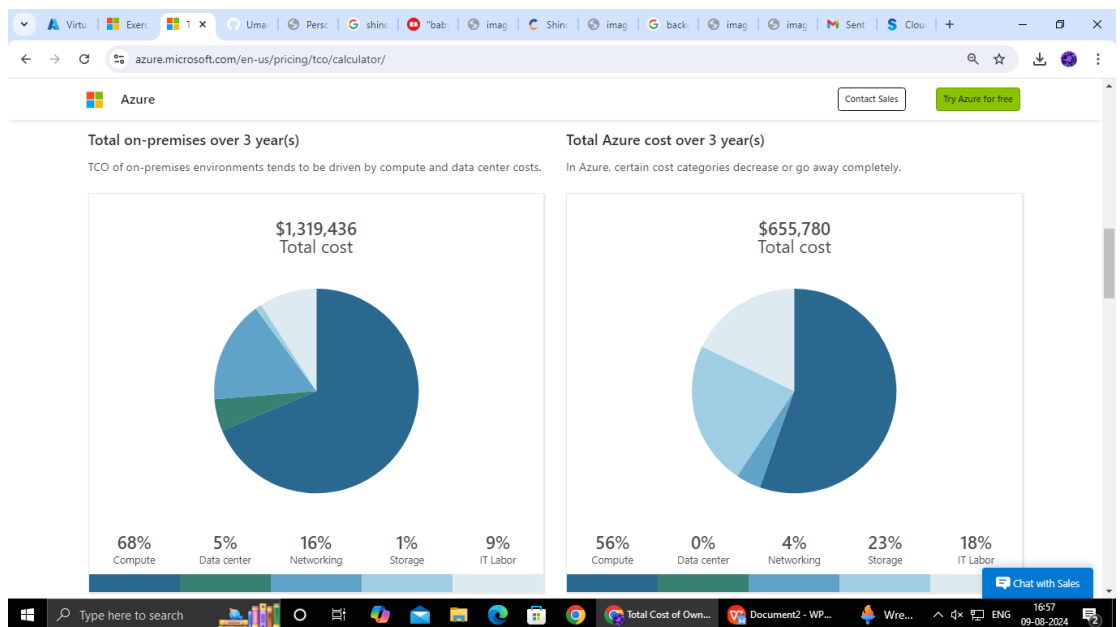
Workload: Windows/Linux Server Environment: Virtual Machines Operating system: Linux VMs: 50 (1 - 9999) Virtualization: VMware Core(s): 8 (1 - 32)

RAM (GB): 16 (1 - 448) Optimize by: CPU

+ Add server workload

Chat with Sales





azure.microsoft.com/en-us/pricing/tco/calculator/

Azure

Contact Sales

Try Azure for free

\$1,319,436

Cost over 3 year(s)

\$655,780

Cost over 3 year(s)

On-premises cost breakdown summary

Azure cost breakdown summary

Category	Cost
Compute	\$903,105.08
Hardware	\$632,224.00
Software	\$123,100.00
Electricity	\$42,166.08
Virtualization	\$105,616.00
Data Center	\$68,917.56
Networking	\$213,237.39
Storage	\$19,174.40
IT Labor	\$115,000.23
Total	\$1,319,436.00

Category	Cost
Compute	\$364,284.00
Data Center	\$0.00
Networking	\$27,639.00
Storage	\$148,856.83
IT Labor	\$115,000.23
Total	\$655,780.00

Estimated on-premises cost (3 year(s))

Estimated Azure cost (3 year(s))

Compute cost

Azure compute cost

Chat with Sales

Type here to search

Total Cost of Own...

Document2 - WP...

Wire...

ENG

16:57

09-08-2024