

Week2 Assignment

1. Deploy Linux and Windows virtual machine and access them using SSH and RDP.
 - Deploy Linux Virtual Machine and access via SSH(Secure Shell)

The screenshot shows the Microsoft Azure 'Create a virtual machine' wizard on the 'Basics' tab. The page title is 'Create a virtual machine'. At the top, there are three buttons: 'Help me create a low cost VM', 'Help me create a VM optimized for high availability', and 'Help me choose the right VM size for my workload'. The 'Basics' tab is selected. Below it, a note says: '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 for Students
Resource group *: (New) group1
[Create new](#)

Instance details

Virtual machine name *: LinuxVM
Region *: (US) West US 2
Availability options: Availability zone
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
Availability zone *: Zone 2

You can now select multiple zones. Selecting multiple zones will create one VM per zone. [Learn more](#)

Security type: Trusted launch virtual machines
[Configure security features](#)

Image *: Ubuntu Server 24.04 LTS - x64 Gen2
[See all images](#) | [Configure VM generation](#)

VM architecture:
 Arm64
 x64

Run with Azure Spot discount:

Size *: Standard_D2s_v3 - 2 vcpus, 8 GiB memory (\$70.08/month)
[See all sizes](#)

Enable Hibernation:

Hibernate does not currently support Trusted launch and Confidential virtual machines for Linux images. [Learn more](#)

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 *: azureuser
SSH public key source: Generate new key pair
SSH Key Type:
 RSA SSH Format
 Ed25519 SSH Format
Ed25519 provides a fixed security level of no more than 128 bits for 256-bit key, while RSA could offer better security with keys longer than 3072 bits.

Key pair name *: LinuxVM_key

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)

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.

< Previous

Next : Disks >

[Review + create](#)

Give feedback

Microsoft Azure

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Home > CreateVm-canonical.ubuntu-24_04-lts-server-20250612233300 | Overview

Deployment

Search

Delete Cancel Redeploy Download Refresh

Overview

Inputs Outputs Template

Your deployment is complete

Deployment name: CreateVm-canonical.ubuntu-24_04-lts-server-2... Start time: 6/12/2025, 11:35:36 PM

Subscription: Azure for Students Correlation ID: 7b40328f-6a66-48e1-ba17-b8c4a3f8b5b7

Resource group: LinuxVM_group

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

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Add or remove favorites by pressing Ctrl+Shift+F

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Home > Compute infrastructure

Compute infrastructure | Virtual machines

Virtual machines Get started

Overview All resources Infrastructure

Virtual machines

- Virtual Machine Scale Set (VMSS)
- Compute Fleet

> Disks + images

> Capacity + placement

> Related services

> Help

+ Create Switch to classic Reservations Manage view Refresh Export to CSV Open query Assign tags Start ... Group by none

You are viewing a new version of Browse experience. Some features may be missing. Click here to access the old experience.

Filter for any field... Subscription equals all Type equals all Resource Group equals all Location equals all Add filter

Name	Subscription	Resource Group	Location	Status	Operating syst...	Size	Public IP addre...	Disk
LinuxVM	Azure for Stud...	LinuxVM_group	West Europe	Running	Linux	Standard_D2s_v3	172.211.241.91	1

```
azureuser@LinuxVM:~          X + ▾

PS C:\Users\ATINSHAY> ssh -i "C:\Users\ATINSHAY\Downloads\LinuxVM_key.pem" azureuser@172.211.241.91
The authenticity of host '172.211.241.91 (172.211.241.91)' can't be established.
ED25519 key fingerprint is SHA256:P4JK+C/fHzI03Xj0PJRA3IUGBG07w11nsj1oUSJZwUs.
This key is not known by any other names.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added '172.211.241.91' (ED25519) to the list of known hosts.
Welcome to Ubuntu 24.04.2 LTS (GNU/Linux 6.11.0-1015-azure x86_64)

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

System information as of Thu Jun 12 18:17:47 UTC 2025

System load: 0.05           Processes: 124
Usage of /: 6.3% of 28.02GB Users logged in: 0
Memory usage: 4%           IPv4 address for eth0: 10.0.0.4
Swap usage: 0%

Expanded Security Maintenance for Applications is not enabled.

14 updates can be applied immediately.
14 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@LinuxVM:~$ |
```

To display the name of the operating system:

```
azureuser@LinuxVM:~$ uname -a
Linux LinuxVM 6.11.0-1015-azure #15~24.04.1-Ubuntu SMP Thu May 1 02:52:08 UTC 2025 x86_64 x86_64 x86_64 GNU/Linux
azureuser@LinuxVM:~$ |
```

- Deploy Windows Virtual Machine and access via RDP(Remote Desktop Protocol)

Microsoft Azure Search resources, services, and docs (G+) Copilot Home Compute infrastructure | Virtual machines Create a virtual machine ...

Help me create a low cost VM Help me create a VM optimized for high availability Help me choose the right VM size for my workload

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](#)

ⓘ This subscription may not be eligible to deploy VMs of certain sizes in certain regions.

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 for Students
Resource group * group1 [Create new](#)

Instance details

Virtual machine name * WindowVM
Region * (US) West US 2
Availability options Availability zone
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
Availability zone * Zone 2 ⓘ You can now select multiple zones. Selecting multiple zones will create one VM per zone. [Learn more](#)

Security type Trusted launch virtual machines [Configure security features](#)

Image * Windows Server 2025 Datacenter: Azure Edition - x64 Gen2 [See all images](#) [Configure VM generation](#)
VM architecture Arm64 x64 ⓘ Arm64 is not supported with the selected image.

Run with Azure Spot discount

Size * Standard_D2s_v3 - 2 vcpus, 8 GiB memory (\$137.24/month) [See all sizes](#)

Enable Hibernation
 ⓘ Hibernate is not supported by the size that you have selected. Choose a size that is compatible with Hibernate to enable this feature. [Learn more](#)

Administrator account

Username * WindowVM
Password * *****
Confirm password * *****

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 * RDP (3389)

⚠ 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.

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

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Home > Compute infrastructure

Compute infrastructure | Virtual machines

Virtual machines Get started

Create Switch to classic Reservations Manage view Refresh Export to CSV Open query Assign tags Start ... Group by none

You are viewing a new version of Browse experience. Some features may be missing. Click here to access the old experience.

Name ↑	Subscription	Resource Group	Location	Status	Operating syst...	Size	Public IP addre...	Disks
LinuxVM	Azure for Stud...	LinuxVM_group	West Europe	Stopped (deall...	Linux	Standard_D2s_v3	172.211.241.91	1
WindowVM	Azure for Stud...	group1	West US 2	Running	Windows	Standard_D2s_v3	20.51.113.210	1

Filter for any field... Subscription equals all Type equals all Resource Group equals all Location equals all Add filter

Virtual machines

- Virtual Machine Scale Set (VMSS)
- Compute Fleet
- Disks + images
- Capacity + placement
- Related services
- Help

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Home > Compute infrastructure | Virtual machines >

WindowVM

Virtual machine

Search

Help me copy this VM in any region

Connect Start Restart Stop Hibernate Capture Delete Refresh Open in mobile Feedback CLI / PS

Connect Connect via Bastion

Resource group (move) : group1

Status : Running

Location : West US 2 (Zone 2)

Subscription (move) : Azure for Students

Subscription ID : e57dc405-3585-4629-9ab9-c5ef4311c633

Availability zone : 2

Operating system : Windows (Windows Server 2025 Datacenter Azure Edition)

Size : Standard D2s v3 (2 vcpus, 8 GiB memory)

Public IP address : 20.51.113.210

Virtual network/subnet : WindowVM-vnet/default

DNS name : Not configured

Health state : -

Time created : 6/12/2025, 6:49 PM UTC

Tags (edit) : Add tags

Properties Monitoring Capabilities (8) Recommendations Tutorials

Virtual machine Computer name : WindowVM

Operating system : Windows (Windows Server 2025 Datacenter Azure Edition)

VM generation : V2

Networking

Public IP address : 20.51.113.210 (Network interface windowvm217_z2)

Public IP address (IPv6) : -

Private IP address : 10.0.0.4

JSON View

Overview Activity log Access control (IAM) Tags Diagnose and solve problems Resource visualizer Connect Networking Settings Availability + scale Security Backup + disaster recovery Operations Monitoring Automation Help

Remote Desktop Connection security warning

The publisher of this remote connection can't be identified. Do you want to connect anyway?

This remote connection could harm your local or remote computer. Do not connect unless you know where this connection came from or have used it before.

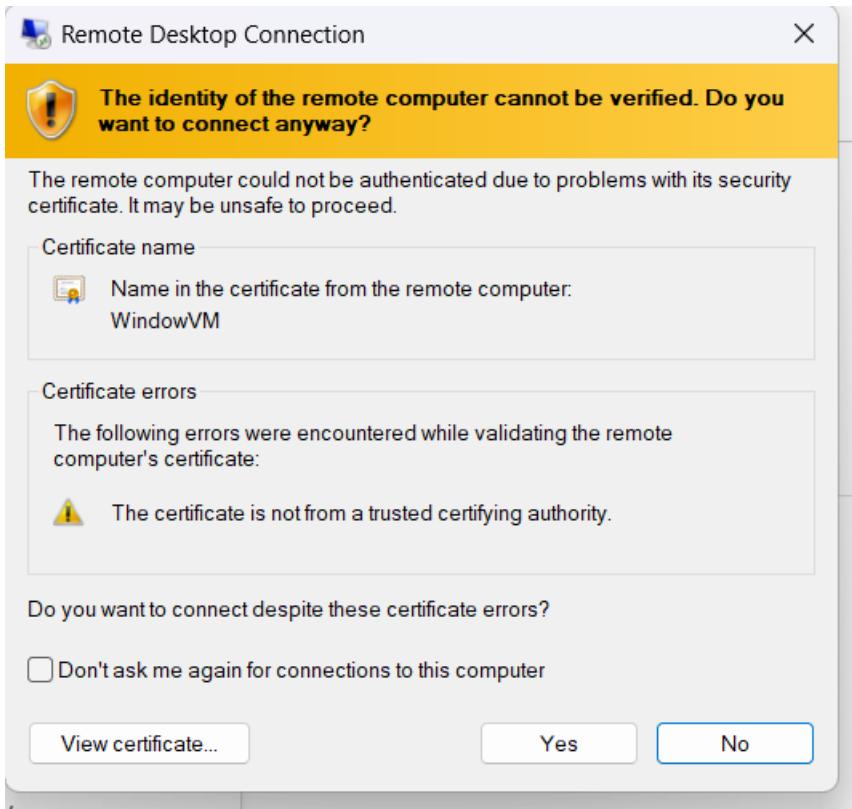
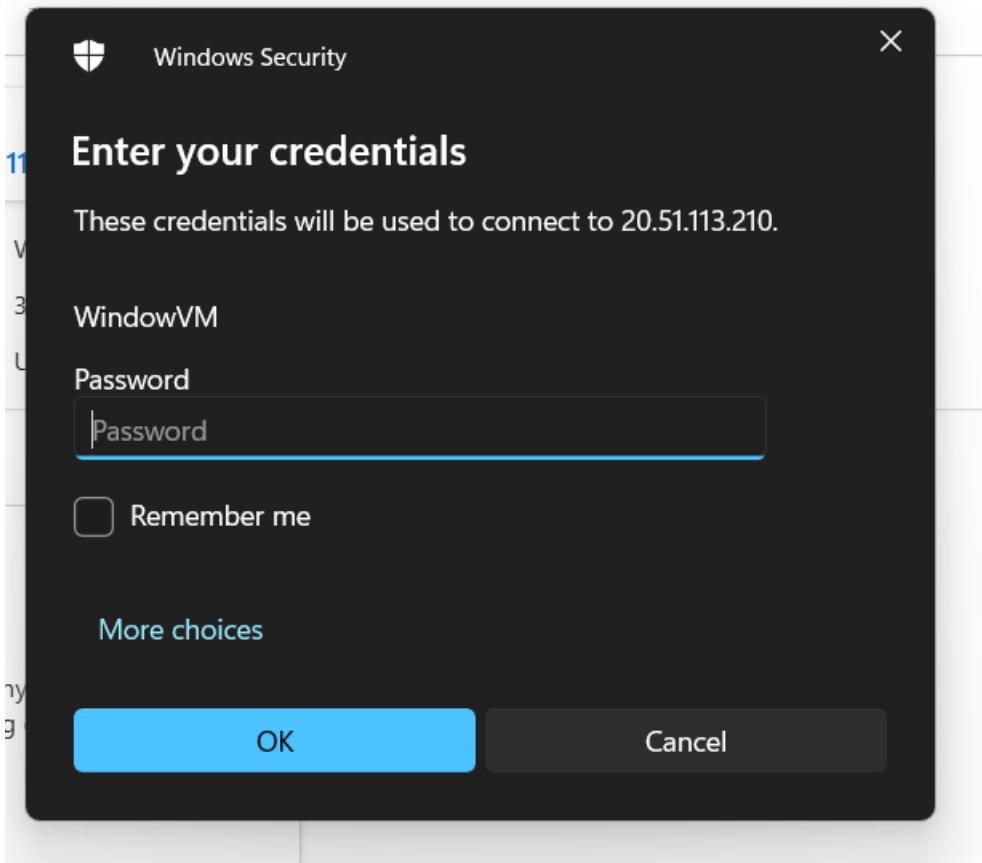
Publisher: Unknown publisher

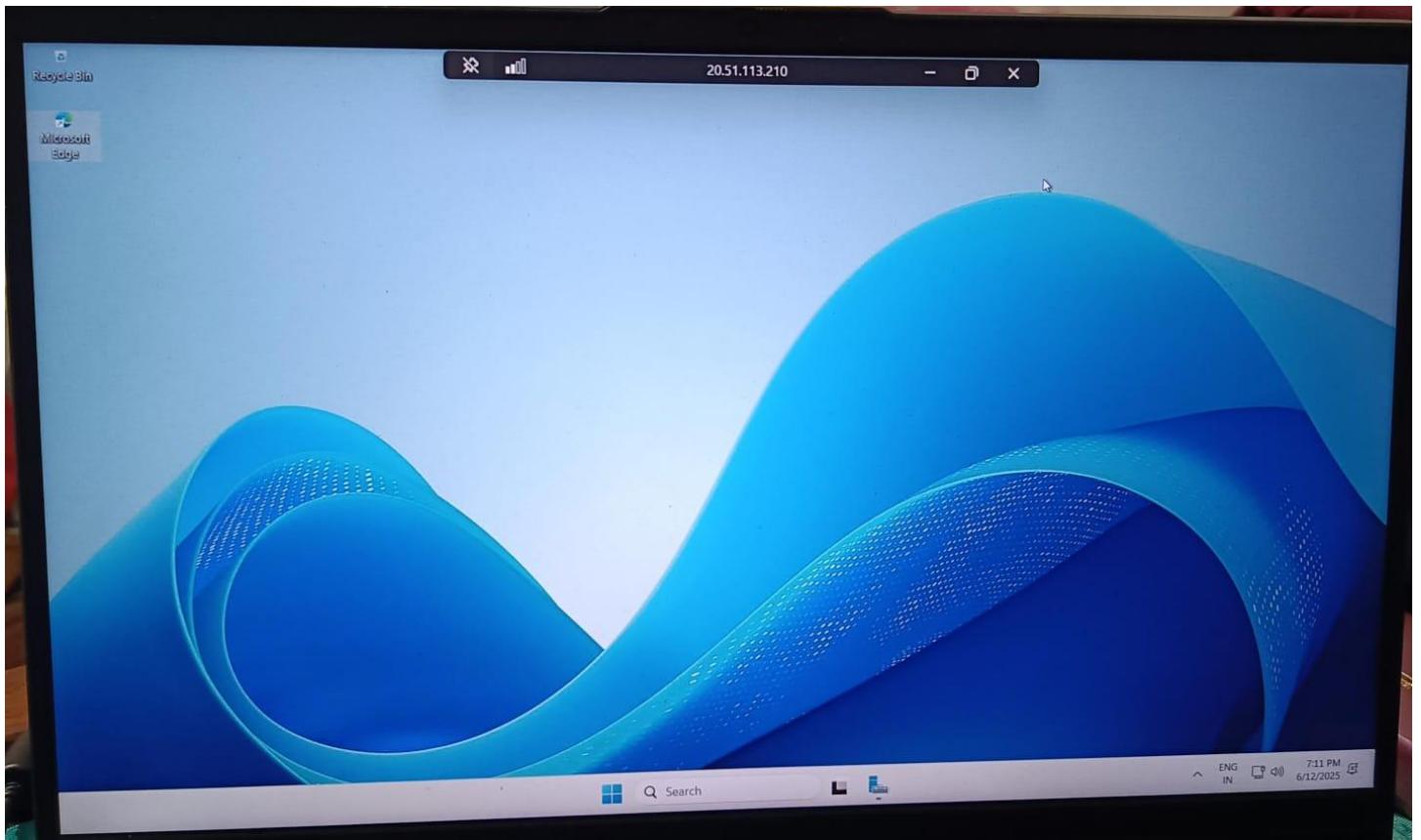
Type: Remote Desktop Connection

Remote computer: 20.51.113.210

Don't ask me again for connections to this computer

Show Details Connect Cancel





2. Create an App Service Plan Provision a Web App in the existing App Service Plan and deploy a simple welcome page on it .

Screenshot of the Microsoft Azure App Services dashboard.

The dashboard shows the following details:

- Microsoft Azure** header with a search bar and Copilot button.
- User information: 22BDO10007@cuchd.in CHANDIGARH UNIVERSITY (CUC...).
- App Services** section for Chandigarh University (cuchd.in).
- Toolbar with buttons: Create, Manage Deleted Apps, Manage view, Refresh, Export to CSV, Open query, Assign tags, Start, Restart, Stop, Delete, and Group by none.
- A message: "You are viewing a new version of Browse experience. Some features may be missing. Click here to access the old experience." with a link.
- Filtering options: Subscription equals all, Resource Group equals all, Type equals all, Location equals all, and Add filter.
- No app services displayed: "No app services to display".
- Description: "Create, build, deploy, and manage powerful web, mobile, and API apps for employees or customers using a single back-end. Build standards-based web apps and APIs using .NET, Java, Node.js, PHP, and Python."
- Link: "Learn more about App Service".
- Page footer: "Showing 1 - 0 of 0. Display count: 10" and "Give feedback".

[Home](#) > [App Services](#) >

Create Web App ...


[Basics](#) [Database](#) [Deployment](#) [Networking](#) [Monitor + secure](#) [Tags](#) [Review + create](#)

App Service Web Apps lets you quickly build, deploy, and scale enterprise-grade web, mobile, and API apps running on any platform. Meet rigorous performance, scalability, security and compliance requirements while using a fully managed platform to perform infrastructure maintenance. [Learn more](#)

Project Details

Select a 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

Name 

Secure unique default hostname on. [More about this update](#)

Publish * Code Container

Runtime stack *

Operating System * Linux Windows

Region * 
(i) Not finding your App Service Plan? Try a different region or select your App Service Environment.

Pricing plans

App Service plan pricing tier determines the location, features, cost and compute resources associated with your app.

[Learn more](#)

Linux Plan (Central India) *  
[Create new](#)

Pricing plan 
[Explore pricing plans](#)

Zone redundancy

An App Service plan can be deployed as a zone redundant service in the regions that support it. Your initial instance count will be set based on your zone redundancy configuration. To ensure you'll be able to enable zone redundancy at any point in the lifecycle of your app, enable zone redundancy now. You can decrease the instance count after the App Service plan is created. [Learn more](#)

Zone redundancy Enabled: Your App Service plan and the apps in it will be zone redundant. The minimum App Service plan instance count will be two.
 Disabled: Your App Service plan and the apps in it will not be zone redundant. The minimum App Service plan instance count will be one.

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

[Home](#) >

Microsoft.Web-WebApp-Portal-40d27a68-9d06 | Overview ...

 Deployment succeeded

Deployment 'Microsoft.Web-WebApp-Portal-40d27a68-9d06' to resource group 'newwebapp' was successful.

[Go to resource](#)
[Go to resource group](#)
 Search

[Delete](#) [Cancel](#) [Redeploy](#) [Download](#) [Refresh](#)
 Overview

[Inputs](#)
[Outputs](#)
[Template](#)

 Your deployment is complete

Deployment name : Microsoft.Web-WebApp-Portal-40d27a68-9d06
 Subscription : Azure for Students
 Resource group : newwebapp

Start time : 6/14/2025, 3:50:21 PM
 Correlation ID : dbd43a39-ad0e-4360-a656-8a50ca3c57bb

 Deployment details

 Next steps

[Go to resource](#)



Cost management

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[Set up cost alerts >](#)



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Home > Microsoft.Web-WebApp-Portal-40d27a68-9d06 | Overview

Deployment

Overview

Inputs

Outputs

Template

Search

Delete Cancel Redeploy Download Refresh

Your deployment is complete

Deployment name : Microsoft.Web-WebApp-Portal-40d27a68-9d06
Subscription : Azure for Students
Resource group : newwebapp

Start time : 6/14/2025, 3:50:21 PM
Correlation ID : dbd43a39-ad0e-4360-a656-8a50ca3c57bb

Deployment details

Resource	Type	Status	Operation details
NewWebApp/scm	Microsoft.Web/sites/basicPublis	OK	Operation details
NewWebApp/ftp	Microsoft.Web/sites/basicPublis	OK	Operation details
NewWebApp	Microsoft.Web/sites	OK	Operation details
ASP-newwebapp-af50	Microsoft.Web/serverfarms	OK	Operation details

Next steps

Go to resource

Add or remove favorites by pressing Ctrl+Shift+F

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Home > Microsoft.Web-WebApp-Portal-40d27a68-9d06 | Overview

NewWebApp Web App

Overview

Browse Stop Swap Restart Delete Refresh Download publish profile Reset publish profile Share to mobile Send us your feedback

Essentials

Resource group (move) : newwebapp	Default domain : newwebapp-gng4hdbvc2hhhaa4.centralindia-01.azurewebsites.net
Status : Running	App Service Plan : ASP-newwebapp-af50 (F1: 1)
Location (move) : Central India	Operating System : Linux
Subscription (move) : Azure for Students	Health Check : Cannot fetch health check data. Please try again later.
Subscription ID : e57dc405-3585-4629-9ab9-c5ef4311c633	

Tags (edit) : Add tags

Properties Monitoring Logs Capabilities Notifications (0) Recommendations

Web app

Name : NewWebApp	Deployment Center
Publishing model : Code	Deployment logs View logs
Runtime Stack : Node - 22-lts	Last deployment Loading deployments...

Domains

Default domain : newwebapp-gng4hdbvc2hhhaa4.centralindia-01.azurewebsites.net	Application Insights
---	----------------------

Deployment Center

Deployment logs View logs

Last deployment Loading deployments...

Deployment provider None

Application Insights

Name Enable Application Insights

Add or remove favorites by pressing Ctrl+Shift+F

Custom domain Add custom domain

AzureServiceApp

EXPLORER

> OPEN EDITORS

> SEARCH

10K

✓ AZURESERVICEAPP

> vscode

deployment

< index.html

index.html X

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8" />
<meta name="viewport" content="width=device-width, initial-scale=1.0" />
<title>Welcome | Atinshay</title>
<style>
/* Reset and font */
* {
margin: 0;
padding: 0;
box-sizing: border-box;
}

body {
font-family: "Segoe UI", Tahoma, Geneva, Verdana, sans-serif;
background: linear-gradient(135deg, #1f1c2c, #928dab);
color: #fff;
height: 100vh;
display: flex;
justify-content: center;
align-items: center;
}

.container {
padding: 20px;
text-align: center;
}

.card {
background-color: rgba(0, 0, 0, 0.4);
padding: 40px 30px;
}
```

Ln 58, Col 1 Spaces: 2 UTF-8 CRLF { HTML Signed out Go Live

Azure

File Edit Selection View Go Run ... ← → AzureServiceApp

FOCUSED RESOURCES

App Services

NewWebApp

Browse Website

Deploy to Web App...

Configure Deployment Source...

Start

Stop

Restart

Delete...

Start Streaming Logs

Stop Streaming Logs

Generate Azure CLI Script

Start Remote Debugging

SSH into Web App

Edit Tags...

View Properties

Open in Portal

Refresh

RESOURCES Remote

Azure for Students

App Services

Azure AI Foundry

Azure Arc-enabled machine

Azure Cosmos DB

WORKSPACE

ACCOUNTS & TENANTS

HELP AND FEEDBACK

index.html X

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta name="viewport" content="width=device-width, initial-scale=1.0" />
<title>Welcome | Atinshay</title>
<style>
/* Reset and font */
* {
margin: 0;
padding: 0;
box-sizing: border-box;
}

body {
font-family: "Segoe UI", Tahoma, Geneva, Verdana, sans-serif;
background: linear-gradient(135deg, #1f1c2c, #928dab);
color: #fff;
height: 100vh;
display: flex;
justify-content: center;
align-items: center;
}

.container {
padding: 20px;
text-align: center;
}

.card {
background-color: rgba(0, 0, 0, 0.4);
padding: 40px 30px;
}
```

Ln 58, Col 1 Spaces: 2 UTF-8 CRLF { HTML Signed out Go Live

The screenshot shows the Azure DevOps extension integrated into Visual Studio Code. The interface includes:

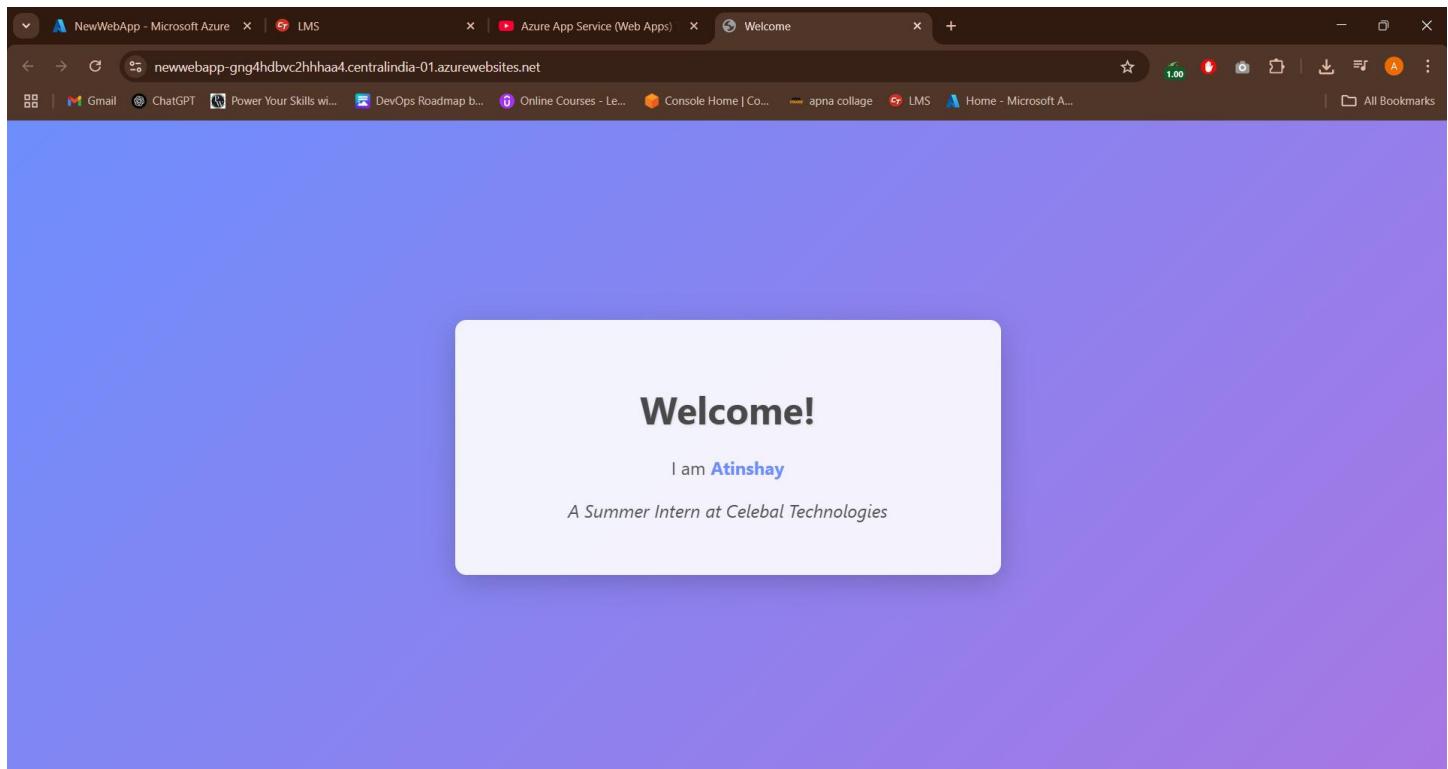
- File, Edit, Selection, View, Go, Run, ...** menu bar.
- Select the folder to deploy** input field.
- AZURE** sidebar with sections:
 - FOCUSED RESOURCES**: App Services (NewWebApp selected).
 - RESOURCES**: Remote (Azure for Students), Local (No local workspace resource providers exist).
 - WORKSPACE**: Local (No local workspace resource providers exist).
- Code Editor** showing an HTML file with the following content:

```
2  <html lang="en">
3  <head>
4      <style>
54     .highlight {
57     }
58
59     </style>
60 </head>
61 <body>
62     <div class="container">
63         <div class="card">
64             <h1>Welcome!</h1>
65             <p class="intro">I am <strong>Atinshay</strong></p>
66             <p class="role">A Summer Intern at <span class="highlight">Celebal Technologies</span></p>
67         </div>
68     </div>
69 </body>
70 </html>
71
```

- Status Bar**: Ln 71, Col 1 | Spaces: 4 | UTF-8 | CRLF | {} HTML | Signed out | Go Live | Q

The screenshot shows the Azure DevOps extension integrated into Visual Studio Code. The interface includes:

- File, Edit, Selection, View, Go, Run, ...** menu bar.
- Select the folder to deploy** input field.
- AZURE** sidebar with sections:
 - FOCUSED RESOURCES**: App Services (NewWebApp selected).
 - RESOURCES**: Remote (Azure for Students), Local (No local workspace resource providers exist).
 - WORKSPACE**: Local (No local workspace resource providers exist).
- PROBLEMS** panel showing deployment logs:
 - Deploy to app "NewWebApp" Succeeded in 8s
 - Zip and deploy workspace "c:\Users\ATINSHAY\OneDrive\Desktop\Azure App Service" 3s
 - Build app "NewWebApp" in Azure 5s
- Status Bar**: main* | Go Live | Q



3. Create ACR(Azure Container Registry) and pull image from ACR and Create a container from it.

- Create ACR(Azure Container Registry).

The screenshot shows the Microsoft Azure portal's home dashboard. At the top, there's a search bar and a Copilot button. Below the header, there's a row of icons for various services: Create a resource, App Services, Subscriptions, Virtual machines, Quickstart Center, Azure AI Foundry, Kubernetes services, Storage accounts, SQL databases, and More services. The main area is titled "Resources" and shows a list of recent resources. The "Recent" tab is selected, displaying items like "NewWebApp" (App Service), "newwebapp" (Resource group), "Azure for Students" (Subscription), "DefaultResourceGroup-CID" (Resource group), "group1" (Resource group), "LinuxVM" (Virtual machine), "WindowVM" (Virtual machine), and "LinuxVM_group" (Resource group). Each item has a small icon and a timestamp indicating when it was last viewed.

The screenshot shows the Microsoft Azure portal's "All services" page. On the left, there's a sidebar with categories like All, Favorites, Recents, Recommended for you, and a "Categories" section with items such as AI + machine learning, Analytics, Compute, Containers (which is selected and highlighted in grey), Databases, DevOps, General, Hybrid + multicloud, Identity, Integration, Internet of Things, Management and governance, and Migration. The main content area is titled "All services | Containers". It features sections for "Container infrastructure" (Container instances, Container registries), "Container management" (Kubernetes fleet manager, Kubernetes services, Service Fabric clusters), and "Containerized applications" (App Configuration, Container Apps). There are also buttons for "Filter services", "Service providers : All", "Release Status : All", and a "Detail view" toggle. On the right, there's a sidebar for "Container registries" with options to "+ Create" and "View". It includes a "Description" section about building and managing container images, a "Learn more with Copilot" link, and a "Free training from Microsoft" section with three video thumbnails: "Build and store container images with ACR", "Build a containerized web application with D...", and "Deploy and run a containerized webapp wit...".

Microsoft Azure Search resources, services, and docs (G+/) Copilot

All services > Container registries > Create container registry

Create container registry

Running final validation

Basics Networking Encryption Tags **Review + create**

Registry details

Basics

Registry name	Registry10
Subscription	Azure for Students
Resource Group	group1
Location	Central India
Domain name label scope	Unsecure
Availability zones	Disabled
Pricing plan	Standard
Role assignment permissions mode (Preview)	RBAC Registry Permissions

Networking

Public network access	Yes
-----------------------	-----

Encryption

Customer-Managed Key	Disabled
Identity	None
Key Vault	None
Encryption key	None
Version	None

Actions

Create < Previous Next > Download a template for automation

Microsoft Azure Search resources, services, and docs (G+/) Copilot

All services > Microsoft.ContainerRegistry | Overview

Deployment succeeded
Deployment 'Microsoft.ContainerRegistry' to resource group 'group1' was successful.

Overview

- Inputs
- Outputs
- Template

Your deployment is complete

Deployment name : Microsoft.ContainerRegistry
Subscription : Azure for Students
Resource group : group1

Start time : 6/15/2025, 12:29:32 AM
Correlation ID : fa32e6b2-6ea3-40aa-9f1b-200401a2fac9

Deployment details

Resource	Type	Status	Operation details
Registry10	Container registry	OK	Operation details

Next steps

Give feedback [Tell us about your experience with deployment](#)

Add or remove favorites by pressing **Ctrl+Shift+F**

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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Microsoft Azure

All services > Microsoft.ContainerRegistry | Overview >

Registry10

Container registry

Search Move Delete

Overview

Essentials

Resource group (move) : group1	Login server : registry10.azurecr.io
Location : Central India	Creation date : 6/15/2025, 12:29 AM GMT+5:30
Subscription (move) : Azure for Students	Provisioning state : Succeeded
Subscription ID : e57dc405-3585-4629-9ab9-c5ef4311c633	Pricing plan : Standard
Soft delete (Preview) : Disabled	Domain name label scope : Unsecure
Tags (edit) : Add tags	

Get started Monitoring Capabilities (9) Tutorials

Simplify container lifecycle management

Container registry allows you to build, store, and manage container images and artifacts in a private registry for all types of container deployments. [Learn more](#)

Add or remove favorites by pressing [Ctrl+Shift+F](#)

- pull image from ACR and Create a container from it.

```
atinshay@LAPTOP-89PK0AT0:~$ az version
{
  "azure-cli": "2.74.0",
  "azure-cli-core": "2.74.0",
  "azure-cli-telemetry": "1.1.0",
  "extensions": {}
}
atinshay@LAPTOP-89PK0AT0:~$ az login
A web browser has been opened at https://login.microsoftonline.com/organizations/oauth2/v2.0/authorize. Please continue the login in the web browser. If no web browser is available or if the web browser fails to open, use device code flow with 'az login --use-device-code'.
gio: https://login.microsoftonline.com/organizations/oauth2/v2.0/authorize?client_id=04b07795-8ddb-461a-bbee-02f9e1bf7b46&response_type=code&redirect_uri=https%3A%2F%2Flocalhost%3A42241&scope=https%3A%2F%2Fmanagement.core.windows.net%2Fdefault+offline_access+openid+profile&state=GVjURSBK1knZhMzg&code_challenge_method=S256&nonce=4f2b5a51819ac2fd37bb19e5aec93437955cef3b0fa7c6fb9038fd504451ed87&client_info=1&claims=%7B%22access_token%22%3A+%7B%22xms_cc%22%3A+%7B%22values%22%3A+%5B%22CP1%22%5D%7D%7D%7D&prompt=select_account: Operation not supported
|
```

Microsoft Azure

Pick an account

Atindhay Awasthi
22BDO10007@cuchd.in
Signed in

+ Use another account

Back

You have logged into Microsoft Azure!

You can close this window, or we will redirect you to the [Azure CLI documentation](#) in 1 minute.

```

atinshay@LAPTOP-89PK0ATO:~$ az acr login --name registry10
Login Succeeded
atinshay@LAPTOP-89PK0ATO:~$ docker push registry10.azurecr.io/registry10/nginx
Using default tag: latest
The push refers to repository [registry10.azurecr.io/registry10/nginx]
An image does not exist locally with the tag: registry10.azurecr.io/registry10/nginx
atinshay@LAPTOP-89PK0ATO:~$ docker images
REPOSITORY          TAG           IMAGE ID        CREATED         SIZE
nginx              latest        1e5f3c5b981a   8 weeks ago    192MB
hello-world        latest        74cc54e27dc4   4 months ago   10.1kB
atinshay@LAPTOP-89PK0ATO:~$ docker latest nginx registry10.azurecr.io/registry10/nginx
docker: unknown command: docker latest
Run 'docker --help' for more information
atinshay@LAPTOP-89PK0ATO:~$ docker tag nginx registry10.azurecr.io/registry10/nginx
atinshay@LAPTOP-89PK0ATO:~$ docker push registry10.azurecr.io/registry10/nginx
Using default tag: latest
The push refers to repository [registry10.azurecr.io/registry10/nginx]
7e893c1b6ee8: Pushed
463308bed0c9: Pushed
4197a611afec: Pushed
3e96162769d5: Pushed
892e805f6f4f: Pushed
626ab8a5d57b: Pushed
7fb72a7d1a8e: Pushed
latest: digest: sha256:114dff0fc8ee3d0200c3a12c60e3e2b79d0920dd953175ecb78a0b157425b25e size: 1778
atinshay@LAPTOP-89PK0ATO:~$ docker pull registry10.azurecr.io/registry10/nginx:latest
latest: Pulling from registry10/nginx
Digest: sha256:114dff0fc8ee3d0200c3a12c60e3e2b79d0920dd953175ecb78a0b157425b25e
Status: Image is up to date for registry10.azurecr.io/registry10/nginx:latest
registry10.azurecr.io/registry10/nginx:latest
atinshay@LAPTOP-89PK0ATO:~$ docker run -d --name my-nginx -p 8080:80 registry10.azurecr.io/registry10/nginx:latest
87da9efc61e1745f118ce97c130bf1df8d9dc8b1b371da15a65960462b9d4a4c
atinshay@LAPTOP-89PK0ATO:~$ docker ps
CONTAINER ID        IMAGE               COMMAND             CREATED            STATUS              PORTS
 NAMES
87da9efc61e1        registry10.azurecr.io/registry10/nginx:latest   "/docker-entrypoint..."   20 seconds ago   Up 19 seconds   0.0.0.0:8080->80/tcp, :::8080->80
/tcp   my-nginx

```

The screenshot shows a Microsoft Edge browser window with the URL `localhost:8080` in the address bar. The page content is as follows:

Welcome to nginx!

If you see this page, the nginx web server is successfully installed and working. Further configuration is required.

For online documentation and support please refer to nginx.org. Commercial support is available at nginx.com.

Thank you for using nginx.

4. Create Container Instance and deploy a simple docker application on it. Create Container Groups and test functionality

- Container Instance and deploy a simple docker application on it

Basics

Azure Container Instances (ACI) allows you to quickly and easily run containers on Azure without managing servers or having to learn new tools. ACI offers per-second billing to minimize the cost of running containers in the cloud. [Learn more about Azure Container Instances](#)

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 for Students

Resource group * group1

Container details

Container name * container10

Region * (Asia Pacific) Central India

Availability zones (Preview) None

SKU Standard

Standard SKU is available for all regions. Confidential SKU is only available for specific regions. [Learn more](#)

Image source *

- Quickstart images
- Azure Container Registry
- Other registry

Run with Azure Spot discount

Spot containers are not available in the selected region. [Learn more](#)

Image * mcr.microsoft.com/azuredocs/aci-helloworld:latest (Linux)

Size * 1 vcpu, 1.5 GiB memory, 0 gpus

[Change size](#)

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

Networking

Choose between three networking options for your container instance:

- 'Public' will create a public IP address for your container instance.
- 'Private' will allow you to choose a new or existing virtual network for your container instance.
- 'None' will not create either a public IP or virtual network. You will still be able to access your container logs using the command line.

Networking type Public Private None

DNS name label contai10

DNS name label scope reuse * Tenant

Ports

Ports	Ports protocol
80	TCP

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Microsoft Azure

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Home > Create a resource > Marketplace >

Create container instance

Validation passed

[Review + create](#)

Basics

Subscription	Azure for Students
Resource group	group1
Region	Central India
Container name	container10
SKU	Standard
Image type	Public
Image	mcr.microsoft.com/azuredocs/aci-helloworld:latest
OS type	Linux
Memory (GiB)	1.5
Number of CPU cores	1
GPU type (preview)	None
GPU count	0

Networking

Networking type	Public
Ports	80 (TCP)
DNS name label	contai10
DNS name label scope reuse	Tenant

Monitoring

Enable container instance logs	On
Monitoring workspace	DefaultWorkspace-e57dc405-3585-4629-9ab9-c5ef4311c633-CID

Advanced

Restart policy	On failure
Command override	[]

Tags

(none)

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Microsoft.ContainerInstances-20250615113515 | Overview

Deployment

Overview

Your deployment is complete

Deployment name : Microsoft.ContainerInstances-20250615113515
 Subscription : Azure for Students
 Resource group : group1

Start time : 6/15/2025, 11:41:08 AM
 Correlation ID : d7c0446a-6cfe-456e-8825-4587b37b95fc

Deployment details

Resource	Type	Status	Operation details
ContainerInstanceDeployment-202506151140	Deployment	OK	Operation details

Next steps

[Go to resource](#)

Give feedback [Tell us about your experience with deployment](#)

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container10

Container instances

Start Restart Stop Delete Refresh Give feedback

Overview

Activity log Access control (IAM) Tags Resource visualizer Settings Monitoring Automation Help

Essentials

Resource group (move) : group1 Status : Running Location : Central India Subscription (move) : Azure for Students Subscription ID : e57dc405-3585-4629-9ab9-c5ef4311c633 Tags (edit) : Add tags SKU : Standard OS type : Linux IP address (Public) : 4.188.3.136 FQDN : container10.dhfceeaneteqfkcb.centralindia.azurecontainer.io Container count : 1

JSON View

CPU (millicores)

Add or remove favorites by pressing **Ctrl+Shift+F**

100
80
60
40
20
0

10:45 AM 11 AM 11:15 AM 11:30 AM UTC+05:30

CPU Usage (Avg), container10 | --

Memory

1008
808
608
408
208
08

10:45 AM 11 AM 11:15 AM 11:30 AM UTC+05:30

Memory Usage (Avg), container10 | --

Network bytes received

1008
808
608
408
208
08

10:45 AM 11 AM 11:15 AM 11:30 AM UTC+05:30

Network Bytes Received Per Second (Avg), container10 | --

Network bytes transmitted

1008
808
608
408
208
08

10:45 AM 11 AM 11:15 AM 11:30 AM UTC+05:30

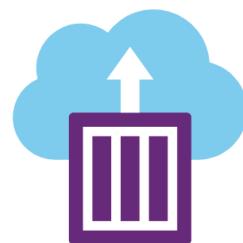
Network Bytes Transmitted Per Second (Avg), container10 | --

Welcome to Azure Container Instances!

Not secure container10.dhfceeaneteqfkcb.centralindia.azurecontainer.io

Gmail ChatGPT Power Your Skills wi... DevOps Roadmap b... Online Courses - Le... Console Home | Co... apna collage LMS Home - Microsoft A...

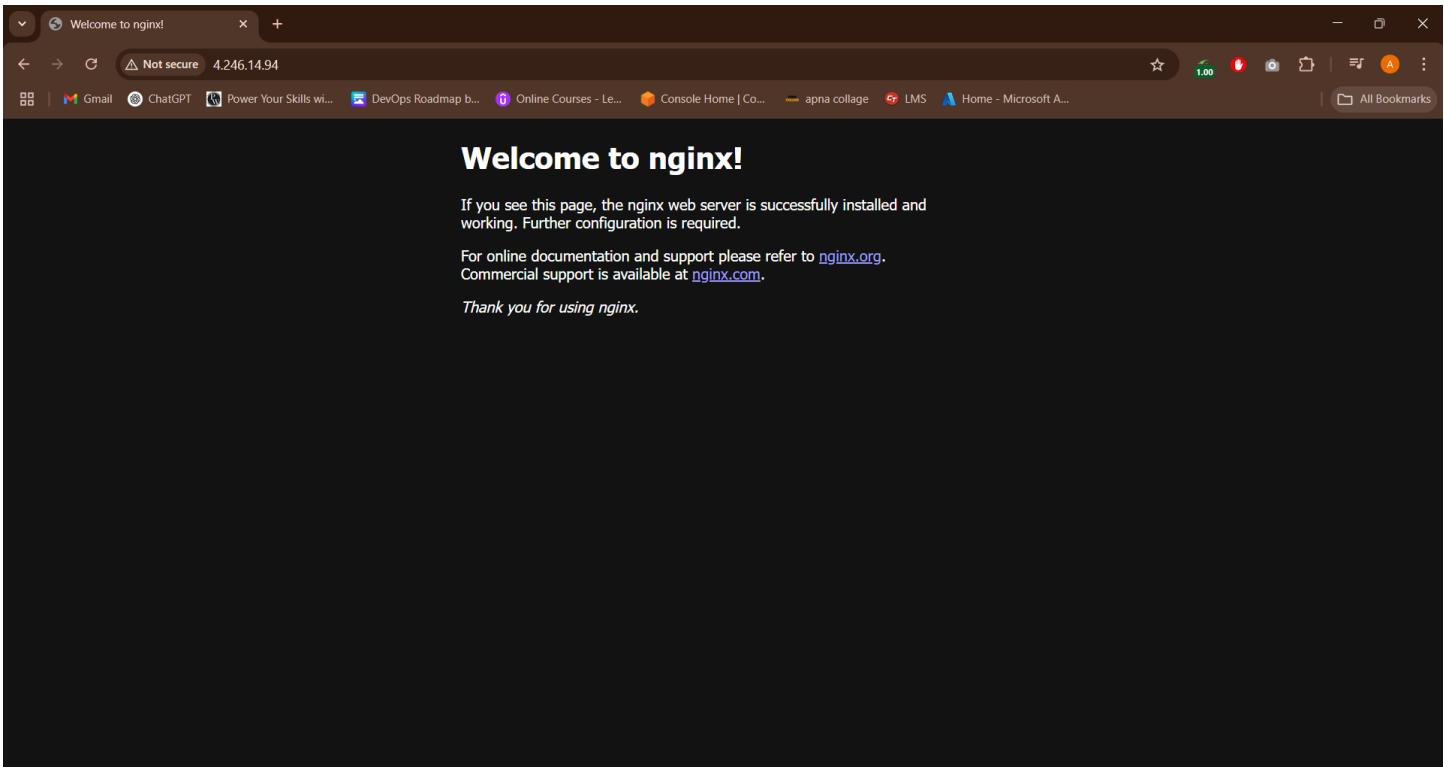
All Bookmarks



- Container Groups and test functionality

```
atishay@LAPTOP-89PK0ATO:~$ az acr login --name registry10
Login Succeeded
atishay@LAPTOP-89PK0ATO:~$ docker pull nginx:latest
latest: Pulling from library/nginx
Digest: sha256:6784fb0834aa7dbbe12e3d7471e69c290df3e6ba810dc38b34ae33d3c1c05f7d
Status: Image is up to date for nginx:latest
docker.io/library/nginx:latest
atishay@LAPTOP-89PK0ATO:~$ docker tag nginx:latest registry10.azurecr.io/nginx:latest
atishay@LAPTOP-89PK0ATO:~$ docker push registry10.azurecr.io/nginx:latest
The push refers to repository [registry10.azurecr.io/nginx]
7e893c1b6ee8: Mounted from registry10/nginx
463308bed0c9: Mounted from registry10/nginx
4197a611afec: Mounted from registry10/nginx
3e96162769d5: Mounted from registry10/nginx
892e805f6f4f: Mounted from registry10/nginx
626ab8a5d57b: Mounted from registry10/nginx
7fb72a7d1a8e: Mounted from registry10/nginx
latest: digest: sha256:114dff0fc8ee3d0200c3a12c60e3e2b79d0920dd953175ecb78a0b157425b25e size: 1778
atishay@LAPTOP-89PK0ATO:~$ az container create \
--resource-group group1 \
--name nginx-container \
--image registry10.azurecr.io/nginx:latest \
--registry-login-server registry10.azurecr.io \
--registry-username <username> \
--registry-password <password> \
--dns-name-label nginxcontainer$RANDOM \
--ports 80 \
--os-type Linux \
--cpu 1 \
--memory 1.5
-bash: username: No such file or directory
atishay@LAPTOP-89PK0ATO:~$ az container create \
--resource-group group1 \
--name nginx-container \
--image registry10.azurecr.io/nginx:latest \
--registry-login-server registry10.azurecr.io \
--registry-username registry10 \
--registry-password iHDP7lheHc6sGFY+oDPU4tjBpwQteiQeLxSBXUXZ+ACRDIFZgu \
--dns-name-label nginxcontainer$RANDOM \
--ports 80 \
--os-type Linux \
--cpu 1 \
--memory 1.5
{
  "confidentialComputeProperties": null,
  "containerGroupProfile": null,
  "containers": [
    {
      "command": null,
      "configMap": {
        "keyValuePairs": {}
      },
      "environmentVariables": [],
      "image": "registry10.azurecr.io/nginx:latest",
      "instanceView": {
        "currentState": {
          "detailStatus": "",
          "exitCode": null,
          "finishTime": null,
          "startTime": "2025-06-15T07:18:21.308000+00:00",
          "state": "Running"
        },
        "events": [
          {
            "count": 1,
            "firstTimestamp": "2025-06-15T07:17:57+00:00",
            "lastTimestamp": "2025-06-15T07:17:57+00:00",
            "message": "pulling image \"registry10.azurecr.io/nginx@sha256:114dff0fc8ee3d0200c3a12c60e3e2b79d0920dd953175ecb78a0b157425b25e\"",
            "name": "Pulling",
            "type": "Normal"
          }
        ]
      }
    }
  ]
}
```

```
atishay@LAPTOP-89PK0ATO: ~ + | 
{
    "count": 1,
    "firstTimestamp": "2025-06-15T07:18:10+00:00",
    "lastTimestamp": "2025-06-15T07:18:10+00:00",
    "message": "Successfully pulled image \\"registry10.azurecr.io/nginx@sha256:114dff0fc8ee3d0200c3a12c60e3e2b79d0920dd953175ecb78a0b157425b25e\\"",
    "name": "Pulled",
    "type": "Normal"
},
{
    "count": 1,
    "firstTimestamp": "2025-06-15T07:18:21+00:00",
    "lastTimestamp": "2025-06-15T07:18:21+00:00",
    "message": "Started container",
    "name": "Started",
    "type": "Normal"
},
],
"previousState": null,
"restartCount": 0
},
"livenessProbe": null,
"name": "nginxx-container",
"ports": [
{
    "port": 80,
    "protocol": "TCP"
},
"readinessProbe": null,
"resources": {
    "limits": null,
    "requests": {
        "cpu": 1.0,
        "gpu": null,
        "memoryInGb": 1.5
    }
},
"securityContext": null,
"volumeMounts": null
},
],
"diagnostics": null,
}
atishay@LAPTOP-89PK0ATO: ~ + | 
{
    "volumeMounts": null
},
"diagnostics": null,
"dnsConfig": null,
"encryptionProperties": null,
"extensions": null,
"id": "/subscriptions/e57dc405-3585-4629-9ab9-c5ef4311c633/resourceGroups/group1/providers/Microsoft.ContainerInstance/containerGroups/nginxx-container",
"identity": null,
"imageRegistryCredentials": [
{
    "identity": null,
    "identityUrl": null,
    "isDelegatedIdentity": false,
    "password": null,
    "server": "registry10.azurecr.io",
    "username": "registry10"
},
"initContainers": [],
"instanceView": {
    "events": [],
    "state": "Running"
},
"ipAddress": {
    "autoGeneratedDomainNameLabelScope": "Unsecure",
    "dnsNameLabel": "nginxcontainer24420",
    "fqdn": "nginxcontainer24420.westus2.azurecontainer.io",
    "ip": "4.246.14.94",
    "ports": [
        {
            "port": 80,
            "protocol": "TCP"
        }
    ],
    "type": "Public"
},
"isCreatedFromStandbyPool": false,
"location": "westus2",
"name": "nginxx-container",
"osType": "Linux",
"priority": null,
"provisioningState": "Succeeded",
"resourceGroup": "group1",
"restartPolicy": null,
"sku": "Standard",
"standbyPoolProfile": null,
"subnetIds": null,
"tags": {},
"type": "Microsoft.ContainerInstance/containerGroups",
"volumes": null,
"zones": null
}
atishay@LAPTOP-89PK0ATO:~$ |
```



```
atishshay@LAPTOP-3PPK0A7E:~$ az container logs \
--name nginx-container \
--resource-group group1
/docker-entrypoint.sh: /docker-entrypoint.d/ is not empty, will attempt to perform configuration
/docker-entrypoint.sh: Looking for shell scripts in /docker-entrypoint.d/
/docker-entrypoint.sh: Launching /docker-entrypoint.d/10-listen-on-ipv6-by-default.sh
10-listen-on-ipv6-by-default.sh: info: Getting the checksum of /etc/nginx/conf.d/default.conf
10-listen-on-ipv6-by-default.sh: info: Enabled listen on IPv6 in /etc/nginx/conf.d/default.conf
/docker-entrypoint.sh: Sourcing /docker-entrypoint.d/15-local-resolvers.envsh
/docker-entrypoint.sh: Launching /docker-entrypoint.d/20-envsubst-on-templates.sh
/docker-entrypoint.sh: Launching /docker-entrypoint.d/30-tune-worker-processes.sh
/docker-entrypoint.sh: Configuration complete; ready to start up
2025/06/15 07:18:21 [notice] 19@19: using "poll" event method
2025/06/15 07:18:21 [notice] 19@19: pid 17.2.5
2025/06/15 07:18:21 [notice] 19@19: built by gcc 12.2.0 (Debian 12.2.0-14)
2025/06/15 07:18:21 [notice] 19@19: OS: Linux 6.1.124.1-microsoft-standard
2025/06/15 07:18:21 [notice] 19@19: getrlimit(RLIMIT_NOFILE): 1824:19488576
2025/06/15 07:18:21 [notice] 19@19: start worker processes
2025/06/15 07:18:21 [notice] 19@19: start worker process #46
10.92.0.9 - - [15/Jun/2025:07:20:00 +0000] "GET /env HTTP/1.1" 404 555 "-" "Mozilla/4.0 (compatible; MSIE 8.0; Windows NT 6.1; WOW64; Trident/4.0; GTB7.5; SLCC2; .NET CLR 3.5.30729; .NET CLR 3.0.30729; Media Center PC 6.0; MDC; .NET4.0E; .NET4.0E; McAfee)" "-"
2025/06/15 07:20:00 [error] 46#46: *13 open() "/usr/share/nginx/html/env" failed (2: No such file or directory), client: 10.92.0.9, server: localhost, request: "GET /env HTTP/1.1", host: "4.246.14.94"
10.92.0.9 - - [15/Jun/2025:07:20:00 +0000] "GET /env HTTP/1.1" 404 153 "-" "Mozilla/5.0 (Windows; U; Windows NT 5.1; it; rv:1.8.8.9) Gecko/20061206 Firefox/1.5.8.9" "-"
10.92.0.11 - - [15/Jun/2025:07:20:01 +0000] "GET /stripe.env HTTP/1.1" 404 153 "-" "Mozilla/5.0 (Microsoft Windows NT 6.1.7601 Service Pack 1; WOW64) AppleWebKit/537.36 (KHTMLM, like Gecko) Version/5.0.2Safari/5.0.2" "-"
2025/06/15 07:20:01 [error] 46#46: *16 open() "/usr/share/nginx/html/stripe.env" failed (2: No such file or directory), client: 10.92.0.11, server: localhost, request: "GET /stripe.env HTTP/1.1", host: "4.246.14.94"
10.92.0.11 - - [15/Jun/2025:07:20:01 +0000] "GET /rails/.env HTTP/1.1" 404 555 "-" "Mozilla/5.0 (Windows NT 6.1; Win64; x64) AppleWebKit/537.36 (KHTMLM, like Gecko) Chrome/57.0.2987.133 Safari/537.36 OPR/44.0.2510.1159" "-"
2025/06/15 07:20:01 [error] 46#46: *17 open() "/usr/share/nginx/html/rails/.env" failed (2: No such file or directory), client: 10.92.0.11, server: localhost, request: "GET /rails/.env HTTP/1.1", host: "4.246.14.94"
2025/06/15 07:20:02 [error] 46#46: *18 open() "/usr/share/nginx/html/tmp/.env" failed (2: No such file or directory), client: 10.92.0.9, server: localhost, request: "GET /tmp/.env.1 HTTP/1.1", host: "4.246.14.94"
10.92.0.9 - - [15/Jun/2025:07:20:02 +0000] "GET /tmp/.env.1 HTTP/1.1" 404 555 "-" "Mozilla/5.0 (Windows NT 6.3; Win64; x64) AppleWebKit/537.36 (KHTMLM, like Gecko) Chrome/47.0.2503.0 Safari/537.36" "-"
10.92.0.11 - - [15/Jun/2025:07:23:18 +0000] [error] 46#46: *45 open() "/usr/share/nginx/html/druid/index.html" failed (2: No such file or directory), client: 10.92.0.11, server: localhost, request: "GET /druid/index.html HTTP/1.1", host: "4.246.14.94"
10.92.0.11 - - [15/Jun/2025:07:23:18 +0000] "GET /druid/index.html HTTP/1.1" 404 153 "Mozilla/5.0 zgrab8.0_X" "-"
10.92.0.11 - - [15/Jun/2025:07:34:31 +0000] "GET / HTTP/1.1" 200 615 "-" "Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTMLM, like Gecko) Chrome/137.0.8.0 Safari/537.36" "-"
10.92.0.11 - - [15/Jun/2025:07:34:32 +0000] "GET /favicon.ico HTTP/1.1" 404 555 "http://4.246.14.94/" "Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTMLM, like Gecko) Chrome/137.0.8.0 Safari/537.36" "-"
2025/06/15 07:34:32 [error] 46#46: *136 open() "/usr/share/nginx/html/favicon.ico" failed (2: No such file or directory), client: 10.92.0.11, server: localhost, request: "GET /favicon.ico HTTP/1.1", host: "4.246.14.94", referer: "http://4.246.14.94/"
```

5. A. Create a Vnet, 2 Subnets Subnet-1: Linux VM, WindowsVM Subnet-2: SQL DB, B. Create 4 VNets 1. Management Vnet (HUB) 2. Production Vnet 3. Testing Vnet 4. Developing Vnet And Configure Hub and Spoke Architecture and verify it's working by launching VM in each VNet and ping from Management VM to every other VM.

Part-A

The screenshot shows the 'Create virtual network' wizard in the Microsoft Azure portal. The title bar includes the Microsoft Azure logo, a search bar, a Copilot button, and user profile icons. The breadcrumb navigation shows 'Home > Create a resource > Marketplace > Create virtual network'. The main content area is titled 'Create virtual network' with a close button. Below the title, there are tabs for 'Basics' (which is selected), 'Security', 'IP addresses', 'Tags', and 'Review + create'. The 'Project details' section contains fields for 'Subscription' (set to 'Azure for Students') and 'Resource group' (set to 'group1', with a 'Create new' link). The 'Instance details' section contains fields for 'Virtual network name' (set to 'VN1') and 'Region' (set to '(Asia Pacific) Central India'). There is also a link to 'Deploy to an Azure Extended Zone'. At the bottom, there are buttons for 'Previous', 'Next', and 'Review + create' (which is highlighted in blue).

Microsoft Azure

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Copilot

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Home > Create a resource > Marketplace > Create virtual network

Add a subnet

Select an address space and configure your subnet. You can customize a default subnet or select from subnet templates if you plan to add select services later. [Learn more](#)

Subnet purpose

Name *

IPv4

Include an IPv4 address space

IPv4 address range

Starting address *

Size

Subnet address range

IPv6

Include an IPv6 address space This virtual network has no IPv6 address ranges.

Private subnet

Private subnets enhance security by not providing default outbound access. To enable

Add Cancel Give feedback

Basics Security IP addresses Tags Review + create

+ Add a subnet

10.0.0.0/16 Delete address space

This address prefix overlaps with virtual network 'LinuxVM-vnet'. If you intend to peer these virtual networks, change the address space. [Learn more](#)

10.0.0.0 /16 ✓
10.0.0.0 - 10.0.255.255 65,536 addresses

Subnets	IP address range	Size	NAT gateway	Edit	Delete
default	10.0.0.0 - 10.0.0.255	/24 (256 addresses)	-		

Add IPv4 address space | ▾

Previous Next Review + create

Microsoft Azure

Search resources, services, and docs (G+/)

Home > Create a resource > Marketplace > Create virtual network

Basics Security IP addresses Tags Review + create

10.0.0.0/16 Delete address space

This address prefix overlaps with virtual network 'LinuxVM-vnet'. If you intend to peer these virtual networks, change the address space. [Learn more](#)

10.0.0.0 /16 ✓
10.0.0.0 - 10.0.255.255 65,536 addresses

Subnets	IP address range	Size	NAT gateway	Edit	Delete
default	10.0.0.0 - 10.0.0.255	/24 (256 addresses)	-		
subnet1	10.0.1.0 - 10.0.1.255	/24 (256 addresses)	-		
subnet2	10.0.2.0 - 10.0.2.255	/24 (256 addresses)	-		

Previous Next Review + create

Microsoft Azure

Search resources, services, and docs (G+/-)

Copilot

CHANDIGARH UNIVERSITY (CUC...)

VN1-1749983151440 | Overview

Deployment

Search X < Delete Cancel Redeploy Download Refresh

Overview

Your deployment is complete

Deployment name : VN1-1749983151440
Subscription : Azure for Students
Resource group : group1

Start time : 6/15/2025, 3:56:22 PM
Correlation ID : 442265a0-30e2-4146-b279-d5790467c6ae

Deployment details

Resource	Type	Status	Operation details
VN1	Virtual network	OK	Operation details

Next steps

[Go to resource](#)

Give feedback
[Tell us about your experience with deployment](#)

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Microsoft Azure

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Copilot

CHANDIGARH UNIVERSITY (CUC...)

VN1 | Overview

Virtual network

Search X < Move Delete Refresh Give feedback

Overview

Essentials

Resource group (move) : group1	Address space : 10.0.0.0/16
Location (move) : Central India	DNS servers : Azure provided DNS service
Subscription (move) : Azure for Students	BGP community string : Configure
Subscription ID : e57dc405-3585-4629-9ab9-c5ef4311c633	Virtual network ID : 2e6047a5-a5d3-4c86-9a8c-fdfcc9968bf
Tags (edit) : Add tags	

Topology Properties **Capabilities (5)** Recommendations Tutorials

DDoS protection
Configure additional protection from distributed denial of service attacks.
Not configured

Azure Firewall
Protect your network with a stateful L3-L7 firewall.
Not configured

Peering
Seamlessly connect two or more virtual networks.
Not configured

Microsoft Defender for Cloud
Strengthen the security posture of your environment.

Private endpoints

- Vm1-linuxvm

Microsoft Azure

Create a virtual machine

Validation passed

Help me create a low cost VM | Help me create a VM optimized for high availability | Help me choose the right VM size for my workload

Basics Disks Networking Management Monitoring Advanced Tags Review + create

Price
1 X Standard D2s v3
by Microsoft
Subscription credits apply: 0.1050 USD/hr
Pricing for other VM sizes

TERMS
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Name: Atinshay Awasthi undefined

Preferred email address: 22BDO10007@cuchd.in

Preferred phone number: 01603014446

You have set SSH port(s) open to the internet. This is only recommended for testing. If you want to change this setting, go back to Basics tab.

Basics

Subscription: Azure for Students (dev/test) vm1_group	Region: Central India
Virtual machine name: vm1	Availability zone: Self selected zone 2
Availability options:	Trusted launch virtual machines
Zone options:	Yes
Anti-affinity zone:	Yes
Security type:	No
Enable secure boot:	Yes
Enable VTPM:	Yes
Integrity monitoring:	No
Image: Ubuntu Server 24.04 LTS x Gen2	VM architecture: x64
Size: Standard D2s v3 (2 vcpus, 8 GiB memory)	Enable Hibernation: No
Authentication type: SSH public key	SSH public key: user@vti
VM size: S0	Key pair name: RSA
SSH Key format: vm1_key	Public inbound ports: SSH
Key pair name: vm1_key	Enable inbound ports: No
Public inbound ports: SSH	Azure Spot: No

Disks

OS disk size: 20 GB	Image default: Premium SSD LRS
OS disk type: Premium SSD LRS	Use managed disks: Yes
Use managed disks: Enabled	Delete OS disk with VM: Enabled
Ephemeral OS disk: No	

Networking

Virtual network: VN1	VN1 subnet: subnet1 (10.0.1.0/24)
Subnet: subnet1	(new) vm1-ip: On
Public IP: No	Auto-deallocated networking: Off
Associated networking: Place this virtual machine behind an existing load balancing solution? Delete public IP and NIC when VM is deleted: Disabled	

Management

Microsoft Defender for Cloud: None	System assigned managed identity: Off
System assigned managed identity: Off	Login with Microsoft Entra ID: Off
Login with Microsoft Entra ID: Off	Auto-shutdown: Off
Auto-shutdown: Off	Enable periodic assessment: Off
Enable hotpatch: Off	Patch orchestration options: Image Default

Monitoring

Alerts: Off	Root diagnostics: On
Root diagnostics: On	Enable OS guest diagnostics: Off
Enable OS guest diagnostics: Off	Enable application health monitoring: Off

Advanced

Encryption: None	VM applications: None
VM applications: None	Cloud init: No
Cloud init: No	User data: No
User data: No	Disk controller type: SCSI
Disk controller type: SCSI	Power placement group: None
Power placement group: None	Capacity reservation group: None

< Previous Next > Create Download a template for automation Give feedback

Microsoft Azure

Home > CreateVm-canonical.ubuntu-24_04-lts-server-20250615161129 | Overview >

vm1 Virtual machine

Search

Help me copy this VM in any region

Connect Start Restart Stop Hibernate Capture Delete Refresh Open in mobile Feedback CLI / PS

Overview

- Activity log
- Access control (IAM)
- Tags
- Diagnose and solve problems
- Resource visualizer
- Connect
- Networking
- Settings
- Disks
- Extensions + applications
- Operating system
- Configuration
- Advisor recommendations
- Properties

Essentials

Resource group (move): vm1_group
Status: Running
Location: Central India (Zone 2)
Subscription (move): Azure for Students
Subscription ID: e57dc405-3585-4629-9ab9-c5ef4311c633
Availability zone: 2

Tags (edit): Add tags

Operating system: Linux (ubuntu 24.04)
Size: Standard D2s v3 (2 vcpus, 8 GiB memory)
Public IP address: 20.193.139.143
Virtual network/subnet: VN1/subnet1
DNS name: Not configured
Health state: -
Time created: 6/15/2025, 10:46 AM UTC

Properties

Virtual machine

Computer name: vm1	Operating system: Linux (ubuntu 24.04)
Operating system: Linux (ubuntu 24.04)	VM generation: V2
VM generation: V2	VM architecture: x64

Networking

Public IP address: 20.193.139.143 (Network interface vm1191_z2)	Public IP address (IPv6): -
Private IP address: 10.0.1.4	Private IP address (IPv6): -

Add or remove favorites by pressing **Ctrl+Shift+F**.

● Vm2- Windows VM

Microsoft Azure Search resources, services, and docs (G+/-) Copilot Home > Compute Infrastructure | Virtual machines > Create a virtual machine ...

Validation passed

Help me create a low cost VM Help me create a VM optimized for high availability Help me choose the right VM size for my workload

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

Price
1 X Standard D2s v3 by Microsoft Subscription credits apply 0.1970 USD/hr Terms of use | Privacy policy Pricing for other VM sizes

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⚠ You have set RDP port(s) open to the internet. This is only recommended for testing. If you want to change this setting, go back to Basics tab.

Basics

Subscription	Azure for Students
Resource group	group1
Virtual machine name	vm2
Region	Central India
Availability options	Availability zone
Zone options	Self-selected zone
Availability zone	2
Security type	Trusted launch virtual machines
Enable secure boot	Yes
Enable vTPM	Yes
Integrity monitoring	No
Image	Windows Server 2025 Datacenter: Azure Edition - Gen2
VM architecture	x64
Size	Standard D2s v3 (2 vcpus, 8 GiB memory)
Enable Hibernation	No
Username	usevm2
Public inbound ports	RDP
Already have a Windows license?	No
Azure Spot	No

Disks

OS disk size	Image default
OS disk type	Premium SSD LRS
Use managed disks	Yes
Delete OS disk with VM	Enabled
Ephemeral OS disk	No

Networking

Virtual network	VN1
Subnet	subnet1 (10.0.1.0/24)
Public IP	(new) vm2-ip
Accelerated networking	On
Place this virtual machine behind an existing load balancing solution?	No
Delete public IP and NIC when VM is deleted	Disabled

Management

Microsoft Defender for Cloud	None
System assigned managed identity	Off
Login with Microsoft Entra ID	Off
Auto-shutdown	Off
Enable periodic assessment	Off
Enable hotpatch	On
Patch orchestration options	Azure-orchestrated patching (preview): patches will be installed by Azure
Reboot setting	Reboot if required

Monitoring

Alerts	Off
Boot diagnostics	On
Enable OS guest diagnostics	Off
Enable application health monitoring	Off

Advanced

Extensions	None
VM applications	None
Cloud init	No
User data	No
Disk controller type	SCSI
Proximity placement group	None
Capacity reservation group	None

< Previous Next > **Create** Download a template for automation Give feedback

Microsoft Azure

Search resources, services, and docs (G+)

Copilot

22BDO10007@uchd.in

Home > CreateVm-MicrosoftWindowsServer.WindowsServer-202-20250615162123 | Overview

Your deployment is complete

Deployment name: CreateVm-MicrosoftWindowsServer.WindowsSe... Start time: 6/15/2025, 4:26:21 PM

Subscription: Azure for Students Correlation ID: f50549d5-f440-44d7-9b94-4d042bf70b05

Resource group: group1

Deployment details

Resource	Type	Status	Operation details
vm2	Microsoft.Compute/virtualMachi...	OK	Operation details
vm2693_z2	Microsoft.Network/networkInterf...	Created	Operation details
vm2-rsg	Microsoft.Network/networkSecu...	OK	Operation details
vm2-ip	Microsoft.Network/publicIpAddr...	OK	Operation 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](#)

Add or remove favorites by pressing **Ctrl+Shift+F**.

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vm2

Virtual machine

Help me copy this VM in any region

Search

Overview

Activity log

Access control (IAM)

Tags

Diagnose and solve problems

Resource visualizer

Connect

Networking

Settings

Disk

Extensions + applications

Operating system

Configuration

Advisor recommendations

Properties

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Connect ▾ Start ▾ Stop ▾ Hibernate ▾ Capture ▾ Delete ▾ Refresh ▾ Open in mobile ▾ Feedback ▾ CLI / PS

Essentials

Resource group ([move](#)) : **group1**

Status : Running

Location : Central India (Zone 2)

Subscription ([move](#)) : [Azure for Students](#)

Subscription ID : e57dc405-3585-4629-9ab9-c5ef4311c633

Availability zone : 2

Tags ([edit](#)) : [Add tags](#)

Operating system : Windows (Windows Server 2025 Datacenter Azure Edition)

Size : Standard D2s v3 (2 vcpus, 8 GiB memory)

Public IP address : [20.193.248.34](#)

Virtual network/subnet : [VN1/subnet1](#)

DNS name : [Not configured](#)

Health state : -

Time created : 6/15/2025, 10:56 AM UTC

Properties **Monitoring** **Capabilities (8)** **Recommendations** **Tutorials**

Virtual machine

Computer name : vm2

Operating system : Windows (Windows Server 2025 Datacenter Azure Edition)

VM generation : V2

VMA architecture : vF4

Networking

Public IP address : [20.193.248.34](#) (Network interface [vm2693_z2](#))

Public IP address (IPv6) : -

Private IP address : 10.0.1.5

Private IP address (IPv6) : -

Part-B



Home > Create a resource >

Create virtual network ...

Basics Security IP addresses Tags **Review + create**

[View automation template](#)

Basics

Subscription	Azure for Students
Resource Group	DefaultResourceGroup-CID
Name	ManagementVNet
Region	Central India

Security

Azure Bastion	Disabled
Azure Firewall	Disabled
Azure DDoS Network Protection	Disabled

IP addresses

Address space	10.1.0.0/16 (65,536 addresses)
Subnet	mgmt-subnet (10.1.0/24) (256 addresses)

Tags

[Previous](#)

[Next](#)

Create



Home > Create a resource >

Create virtual network ...

Basics Security IP addresses Tags **Review + create**

[View automation template](#)

Basics

Subscription	Azure for Students
Resource Group	DefaultResourceGroup-CID
Name	ProductionVNet
Region	Central India

Security

Azure Bastion	Disabled
Azure Firewall	Disabled
Azure DDoS Network Protection	Disabled

IP addresses

Address space	10.2.0.0/16 (65,536 addresses)
Subnet	prod-subnet (10.2.0.0/24) (256 addresses)

Tags

[Previous](#)

[Next](#)

Create



Home > Create a resource >

Create virtual network ...

Basics Security IP addresses Tags **Review + create**

[View automation template](#)

Basics

Subscription	Azure for Students
Resource Group	DefaultResourceGroup-CID
Name	TestingVNet
Region	Central India

Security

Azure Bastion	Disabled
Azure Firewall	Disabled
Azure DDoS Network Protection	Disabled

IP addresses

Address space	10.3.0.0/16 (65,536 addresses)
Subnet	test-subnet (10.3.0.0/24) (256 addresses)

Tags



Home > Create a resource >

Create virtual network ...

Basics Security IP addresses Tags **Review + create**

[View automation template](#)

Basics

Subscription	Azure for Students
Resource Group	DefaultResourceGroup-CID
Name	DevelopingVNet
Region	Central India

Security

Azure Bastion	Disabled
Azure Firewall	Disabled
Azure DDoS Network Protection	Disabled

IP addresses

Address space	10.4.0.0/16 (65,536 addresses)
Subnet	dev-subnet (10.4.0.0/24) (256 addresses)

Tags

[Previous](#)

[Next](#)

Create

Microsoft Azure

Home > ManagementVNet

ManagementVNet | Peerings

Virtual network

Search: Add Refresh Export to CSV Delete Sync

Virtual network peering enables you to seamlessly connect two or more virtual networks in Azure. The virtual networks appear as one for connectivity purposes. [Learn more](#)

Filter by name... Showing all 3 items

Name	Peering sync status	Peering state	Remote virtual network ...	Virtu...	Cross-tenant
MgmtToProduction	Fully Synchronized	Connected	ProductionVNet	Disabled	No
MgmtToTesting	Fully Synchronized	Connected	TestingVNet	Disabled	No
MgmtToDeveloping	Fully Synchronized	Connected	DevelopingVNet	Disabled	No

Give feedback

6. Create a Internal and External Load Balancer.

- External Load Balancer

Microsoft Azure

Home > Create a resource > Marketplace >

Create public IP address

Validation passed

Basics DDoS Protection Tags Review + create

Basics

Subscription	Azure for Students
Resource group	DefaultResourceGroup-CID
Region	centralindia
Name	public_ip_LB
IP Version	IPv4
SKU	Standard
Tier	Regional
Availability zone	Zone-redundant
IP address assignment	Static
Routing preference	MicrosoftNetwork
Idle timeout (minutes)	4
DNS name label	-
Domain name label scope (preview)	None

DDoS Protection

Previous Next **Create** Download a template for automation Give feedback

Microsoft Azure

Search resources, services, and docs (G+)

Copilot

CHANDIGARH UNIVERSITY (CUC...)

Home > PublicIPAddress-ARM | Overview

Deployment

Search Delete Cancel Redeploy Download Refresh

Overview

Your deployment is complete

Deployment name : PublicIPAddress-ARM
Subscription : Azure for Students
Resource group : DefaultResourceGroup-CID

Start time : 6/15/2025, 9:42:57 PM
Correlation ID : 0e8db42b-c6d6-4b3a-b7ce-be8ca1d3606b

Deployment details

Resource	Type	Status	Operation details
public_ip_LB	Public IP address	OK	Operation details

Next steps

Go to resource

Give feedback

Tell us about your experience with deployment

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Home > PublicIPAddress-ARM | Overview >

public_ip_LB

Public IP address

Associate Dissociate Delete Move Refresh Open in mobile Give feedback

Overview

Essentials

Resource group (move) : DefaultResourceGroup-CID SKU : Standard
Location (move) : Central India Tier : Regional
Subscription (move) : Azure for Students IP address : 4.224.73.130
Subscription ID : e57dc405-3585-4629-9ab9-c5ef4311c633 DNS name : -
Domain name label scope : -
Associated to : -
Virtual machine : -
Routing preference : Microsoft network

JSON View

Tags (edit) : Add tags

Get Started Properties Tutorials

Use public IP addresses for public connections to Azure resources

Associate and configure public IP addresses to various Azure resources [Learn more](#).

Add or remove favorites by pressing [Ctrl+Shift+F](#)

Associate to a resource
Associate your public IP address to an Azure resource such as an Azure Load Balancer or a network interface.

Configure a public IP address
Configure a DNS idle time, name, and alias record for your public IP address.

Protect IP address
Choose the right DDoS protection level for your IP address.

Home > Create a resource > Marketplace >

Create load balancer

Validation passed

[Basics](#) [Frontend IP configuration](#) [Backend pools](#) [Inbound rules](#) [Outbound rules](#) [Tags](#) [Review + create](#)

Basics

Subscription	Azure for Students
Resource group	group1
Name	Public-LB
Region	Central India
SKU	Standard
Tier	Regional
Type	Public

Frontend IP configuration

Frontend IP configuration name	publiciplb
Frontend IP configuration IP address	4.224.73.130

Backend pools

None

Inbound rules

[Create](#)< PreviousNext >[Download a template for automation](#)[Give feedback](#)

Microsoft.LoadBalancer-20250615214732 | Overview

...

Deployment

[Search](#)[Delete](#)[Cancel](#)[Redeploy](#)[Download](#)[Refresh](#)[Overview](#)[Inputs](#)[Outputs](#)[Template](#)

Your deployment is complete

Deployment name : Microsoft.LoadBalancer-20250615214732
 Subscription : Azure for Students
 Resource group : group1

Start time : 6/15/2025, 9:50:45 PM
 Correlation ID : daf4c7f5-1ab6-435e-a41e-8e452033e3ec

[Deployment details](#)

Resource	Type	Status	Operation details
Public-LB	Load balancer	Created	Operation details

[Next steps](#)[Go to resource](#)[Give feedback](#)[Tell us about your experience with deployment](#)

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Microsoft Azure

Home > Microsoft.LoadBalancer-20250615214732 | Overview >

Public-LB

Load balancer

Search

Move Delete Refresh Give feedback

Overview

Essentials

Resource group (move) : [group1](#)
 Location : Central India
 Subscription (move) : [Azure for Students](#)
 Subscription ID : e57dc405-3585-4629-9ab9-c5ef4311c633
 SKU : Standard
 Tags (edit) : [Add tags](#)
[See more](#)

Backend pool : [None](#)
 Load balancing rule : [None](#)
 Health probe : [None](#)
 Inbound NAT rules : [None](#)
 Outbound rules : [None](#)

Configure high availability and scalability for your applications

Create highly-available and scalable applications in minutes by using built-in load balancing for cloud services and virtual machines. Azure Load Balancer supports TCP/UDP-based protocols and protocols used for real-time voice and video messaging applications. [Learn more](#)

Microsoft Azure

Home > Public-LB > Backend pools >

Add backend pool

Public-LB

Name *

Virtual network [Select virtual network](#)

Save **Cancel** [Give feedback](#)

Backend pool	Resource Name	IP address	Network interface	Availability zone	Rules count	Resource Status	Admin state
Backendpool-public (1) Edit					0		

Microsoft Azure

Home > Public-LB >

Health probes

[Add](#) [Refresh](#) [Give feedback](#)

Type to start filtering ...

Name	Protocol	Port	Path	Used By
http-probe	Http	80	/	

[Saved probe](#)
Successfully saved probe 'http-probe'.

Microsoft Azure

Home > Public-LB >

Load balancing rules

+ Add ⏪ Refresh ⏮ Delete

A load balancer rule is used to define how incoming traffic is distributed to all the instances within the backend pool. A load-balancing rule maps a given frontend IP configuration and port to multiple backend IP addresses and ports. An example would be a rule created on port 80 to load balance web traffic. [Learn more.](#)

Filter by name...

Name	Protocol	Backend pool	Health probe	Health status
HTTPRule	TCP/80	Backendpool-public	http-probe	View details

Microsoft Azure

Home > Public-LB

Public-LB

Load balancer

Search ⏪ Move ⏮ Delete ⏪ Refresh ⏮ Give feedback

Overview

Essentials

Resource group : [group1](#)
 Location : Central India
 Subscription : [Azure for Students](#)
 Subscription ID : e57dc405-3585-4629-9ab9-c5ef4311c633
 SKU : Standard
 Tags : [Add tags](#)
[See more](#)

Backend pool : [Backendpool-public](#)
 Load balancing rule : [HTTPRule \(Tcp/80\)](#)
 Health probe : [http-probe \(Http:80\)](#)
 Inbound NAT rules : [None](#)
 Outbound rules : [None](#)

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● Internal Load Balancer

Microsoft Azure

Home > Create a resource > Marketplace >

Create load balancer

Validation passed

Basics Frontend IP configuration Backend pools Inbound rules Outbound rules Tags Review + create

Basics

Subscription	Azure for Students
Resource group	group1
Name	Internal-LB
Region	Central India
SKU	Standard
Tier	Regional
Type	Internal

Frontend IP configuration

Frontend IP configuration name	Frontendip
Frontend IP configuration IP address	Dynamic

Backend pools

None

Inbound rules

[Create](#) < Previous Next > Download a template for automation ⏮ Give feedback

Microsoft Azure | Microsoft.LoadBalancer-20250615230747 | Overview

Home > Microsoft.LoadBalancer-20250615230747 | Overview

Overview

Your deployment is complete

Deployment name : Microsoft.LoadBalancer-20250615230747
Subscription : Azure for Students
Resource group : group1

Start time : 6/15/2025, 11:09:53 PM
Correlation ID : 2e7008fb-cef5-4da9-9663-11f6cb6c21a2

Deployment details

Resource	Type	Status	Operation details
Internal-LB	Load balancer	OK	Operation details

Next steps

[Go to resource](#)

Give feedback
[Tell us about your experience with deployment](#)

Cost management
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Microsoft Azure | Internal-LB

Home > Microsoft.LoadBalancer-20250615230747 | Overview > Internal-LB

Backend pools

+ Add ⏪ Refresh

The backend pool is a critical component of the load balancer. The backend pool defines the group of resources that will serve traffic for a given load-balancing rule. [Learn more.](#)

Add filter

Backend pool	Resource Name	IP address	Network interface	Availability zone	Rules count	Resource Status	Admin state
BackendPool-Internal (1) Edit	BackendPool-Internal	-	-	-	0	-	-

Microsoft Azure | Internal-LB

Home > Internal-LB

Health probes

+ Add ⏪ Refresh [Give feedback](#)

Type to start filtering ...

Name	Protocol	Port	Path	Used By
Probe-Internal	Tcp	80	-	-

Microsoft Azure | Internal-LB

Home > Internal-LB

Load balancing rules

+ Add ⏪ Refresh [Delete](#)

A load balancer rule is used to define how incoming traffic is distributed to all the instances within the backend pool. A load-balancing rule maps a given frontend IP configuration and port to multiple backend IP addresses and ports. An example would be a rule created on port 80 to load balance web traffic. [Learn more.](#)

Filter by name...

Name	Protocol	Backend pool	Health probe	Health status
InternalRule	TCP/80	BackendPool-Internal	Probe-Internal	View details

Microsoft Azure

Search resources, services, and docs (G+/)

Copilot

CHANDIGARH UNIVERSITY (CUC...)

Internal-LB

Load balancer

Overview

Search

Move Delete Refresh Give feedback

Essentials

Resource group (move) : group1

Location : Central India

Subscription (move) : Azure for Students

Subscription ID : e57dc405-3585-4629-9ab9-c5ef4311c633

SKU : Standard

Tags (edit) : Add tags

Backend pool : BackendPool-Internal

Load balancing rule : InternalRule (Tcp:80)

Health probe : Probe-Internal (Tcp:80)

Inbound NAT rules : None

Tier : Regional

JSON View

Activity log

Access control (IAM)

Tags

Diagnose and solve problems

Resource visualizer

Settings

Monitoring

Automation

Help

See more

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7. Create and test Azure Application gateway.

Microsoft Azure

Home > Create a resource >

Create virtual network

Basics Security IP addresses Tags Review + create

[View automation template](#)

Basics

Subscription	Azure for Students
Resource Group	DefaultResourceGroup-CID
Name	MyVNet
Region	Central India

Security

Azure Bastion	Disabled
Azure Firewall	Disabled
Azure DDoS Network Protection	Disabled

IP addresses

Address space	10.0.0.0/16 (65,536 addresses)
Subnet	default (10.0.0.0/24) (256 addresses)
Subnet	AppGatewaySubnet (10.0.1.0/24) (256 addresses)
Subnet	BackendSubnet (10.0.2.0/24) (256 addresses)

Tags

Previous Next **Create**

Microsoft Azure | MyVNet-1750010032564 | Overview

Deployment

Search | Delete | Cancel | Redeploy | Download | Refresh

Overview

Your deployment is complete

Deployment name : MyVNet-1750010032564
Subscription : Azure for Students
Resource group : DefaultResourceGroup-CID

Start time : 6/15/2025, 11:23:55 PM
Correlation ID : 02eb097c-a3f4-4340-8777-846be90e7e37

Deployment details

Resource	Type	Status	Operation details
MyVNet	Virtual network	OK	Operation details

Next steps

[Go to resource](#)

Give feedback | Tell us about your experience with deployment

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Microsoft Azure | CreateVm-canonical.ubuntu-24_04-lts-server-20250615232538 | Overview

Deployment

Search | Delete | Cancel | Redeploy | Download | Refresh

Overview

Your deployment is complete

Deployment name: CreateVm-canonical.ubuntu-24_04-lts-server-2... Start time: 6/15/2025, 11:27:52 PM
Subscription: Azure for Students Correlation ID: 337d2465-76d1-4c79-9010-5ed167ae578b

Deployment details

Resource	Type	Status	Operation details
BackendVM1	Microsoft.Compute/virtualMachines	Created	Operation details
backendvm1996_z2	Microsoft.Network/networkInterfaces	Created	Operation details
BackendVM1-nsg	Microsoft.Network/networkSecurityGroups	OK	Operation 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](#)

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Microsoft Azure | CreateVm-canonical.ubuntu-24_04-lts-server-20250615233127 | Overview

Deployment

Search | Delete | Cancel | Redeploy | Download | Refresh

Overview

Your deployment is complete

Deployment name: CreateVm-canonical.ubuntu-24_04-lts-server-2... Start time: 6/15/2025, 11:34:30 PM
Subscription: Azure for Students Correlation ID: 3c0be5b0-9c00-48e5-b0d8-5001fe33de1

Deployment details

Resource	Type	Status	Operation details
BackendVM2	Microsoft.Compute/virtualMachines	Created	Operation details
backendvm2786_z2	Microsoft.Network/networkInterfaces	Created	Operation details
BackendVM2-vnet	Microsoft.Network/virtualNetworks	OK	Operation details
BackendVM2-nsg	Microsoft.Network/networkSecurityGroups	OK	Operation details
BackendVM2-ip	Microsoft.Network/publicIPAddresses	OK	Operation 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](#)

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Microsoft Azure Search resources, services, and docs (G+) Copilot 22BDO10007@cuchd.in CHANDIGARH UNIVERSITY (CUC)

Home > **PublicIPAddress-ARM** | Overview ...

Deployment

Overview

Your deployment is complete

Deployment name : PublicIPAddress-ARM
Subscription : Azure for Students
Resource group : group1

Start time : 6/15/2025, 11:53:58 PM
Correlation ID : 9d9b75bc-8788-42ab-ad1d-35a413801101

Deployment details

Resource	Type	Status	Operation details
MyAGPublicIP	Public IP address	OK	Operation details

Next steps

[Go to resource](#)

[Give feedback](#)

[Tell us about your experience with deployment](#)

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Home > Create a resource > Marketplace > **Create application gateway** ...

Validation passed

[Basics](#) [Frontends](#) [Backends](#) [Configuration](#) [Tags](#) [Review + create](#)

Basics

Subscription	Azure for Students
Resource group	Group1
Name	MyAppGateway
Region	Central India
Tier	Standard_v2
Enable autoscaling	Enabled
Minimum instance count	0
Maximum instance count	10
Availability zone	Zones 1, 2, 3
HTTP2	Enabled
Virtual network	MyVNet
Subnet	AppGatewaySubnet (10.0.1.0/24)

Frontends

Public IPv4 address name	MyAGPublicIP (20.235.208.248)
--------------------------	-------------------------------

Tags

None

[Create](#) [Previous](#) [Next](#) Download a template for automation

8. Set up a domain, setup a server on a VM and use the DNS server for traffic.

Microsoft Azure Search resources, services, and docs (G+) Copilot CHANDIGARH UNIVERSITY CUC... X

Home > Compute infrastructure | Virtual machines > Create a virtual machine ...

Validation passed

Help me create a low cost VM Help me create a VM optimized for high availability Help me choose the right VM size for my workload

Basics Disks Networking Management Monitoring Advanced Tags Review + create

Price

1 X Standard B2as v2 by Microsoft Subscription credits apply 0.0492 USD/hr Terms of use | Privacy policy Pricing for other VM sizes

TERMS

By clicking "Create", I (a) agree to the legal terms and privacy statement(s) associated with the Marketplace offering(s) listed above; (b) authorize Microsoft to bill my current payment method for the fees associated with the offering(s), with the same billing frequency as my Azure subscription; and (c) agree that Microsoft may share my contact, usage and transactional information with the provider(s) of the offering(s) for support, billing and other transactional activities. Microsoft does not provide rights for third-party offerings. See the Azure Marketplace Terms for additional details.

Name Atishay Awasthi undefined

Preferred e-mail address 22BDO10007@uchd.in

Preferred phone number 01603014446

⚠ You have set SSH, RDP port(s) open to the internet. This is only recommended for testing. If you want to change this setting, go back to Basics tab.

Basics

Subscription	Azure for Students
Resource group	Group1
Virtual machine name	MyWebVM
Region	Central India
Availability options	Availability zone
Zone options	Self-selected zone
Availability zone	2
Security type	Trusted launch virtual machines
Enable secure boot	Yes
Enable VTPM	Yes
Integrity monitoring	No
Image	Ubuntu Server 24.04 LTS - Gen2
VM architecture	x64
Size	Standard B2as v2 (2 vcpus, 8 GiB memory)
Enable Hibernation	No
Authentication type	SSH public key
Username	azureuser
SSH Key format	RSA
Key pair name	MyWebVM_key
Public inbound ports	SSH, HTTP, HTTPS, RDP
Azure Spot	No

Disks

OS disk size	Image default
OS disk type	Premium SSD LRS
Use managed disks	Yes
Delete OS disk with VM	Enabled
Ephemeral OS disk	No

Networking

Virtual network	(new) MyWebVM-vnet
Subnet	(new) default (10.1.0.0/24)
Public IP	(new) newpublicip
Accelerated networking	On
Place this virtual machine behind an existing load balancing solution?	No
Delete public IP and NIC when VM is deleted	Disabled

Management

Microsoft Defender for Cloud	None
System assigned managed identity	Off
Login with Microsoft Entra ID	Off
Auto-shutdown	Off
Enable periodic assessment	Off
Enable hotpatch	Off
Patch orchestration options	Image Default

Monitoring

Alerts	Off
Boot diagnostics	On
Enable OS guest diagnostics	Off
Enable application health monitoring	Off

Advanced

Extensions	None
VM applications	None
Cloud init	No
User data	No
Disk controller type	SCSI
Proximity placement group	None
Capacity reservation group	None

< Previous Next > **Create** Download a template for automation Give feedback

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Home > CreateVm-canonical.ubuntu-24_04-lts-server-20250616032348 | Overview

Deployment

Deployment name: CreateVm-canonical.ubuntu-24_04-lts-server-2... Start time: 6/16/2025, 3:27:44 AM
Subscription: Azure for Students Correlation ID: 693d4c18-f009-4153-a288-d45ca64413f

Deployment succeeded Deployment 'CreateVm-canonical.ubuntu-24_04-lts-server-20250616032348' to resource group 'Group1' was successful.

Go to resource Pin to dashboard

Overview

Inputs Outputs Template

Your deployment is complete

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

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Switch to PowerShell Restart Manage files New session Editor Web preview Settings Help

```
$ sudo apt update
Hit:1 https://packages.microsoft.com/repos/microsoft-ubuntu-noble-prod noble InRelease
Hit:2 http://azure.archive.ubuntu.com/ubuntu noble InRelease
Hit:3 http://azure.archive.ubuntu.com/ubuntu noble-updates InRelease
Hit:4 http://azure.archive.ubuntu.com/ubuntu noble-backports InRelease
Hit:5 http://azure.archive.ubuntu.com/ubuntu noble-security InRelease
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
14 packages can be upgraded. Run 'apt list --upgradable' to see them.
$ sudo apt install apache2 -y
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
  apache2-bin apache2-data apache2-utils libaprutil1 libaprutil1-dbd-sqlite3 libaprutil1-ldap libaprutil1t64 liblulu5.4-0 ssl-cert
Suggested packages:
  apache2-doc apache2-suexec-pristine | apache2-suexec-custom www-browser
The following NEW packages will be installed:
  apache2 apache2-bin apache2-data apache2-utils libapr1t64 libaprutil1 libaprutil1-dbd-sqlite3 libaprutil1-ldap libaprutil1t64 liblulu5.4-0 ssl-cert
0 upgraded, 10 newly installed, 0 to remove and 14 not upgraded.
Need to get 2884 kB of archives.
After this operation, 8059 kB of additional disk space will be used.
Get:1 http://azure.archive.ubuntu.com/ubuntu noble-updates/main amd64 libapr1t64 amd64 1.7.2-3.1ubuntu0.1 [108 kB]
Get:2 http://azure.archive.ubuntu.com/ubuntu noble/main amd64 libaprutil1t64 amd64 1.6.3-1.1ubuntu7 [91.9 kB]
Get:3 http://azure.archive.ubuntu.com/ubuntu noble/main amd64 libaprutil1-dbd-sqlite3 amd64 1.6.3-1.1ubuntu7 [11.2 kB]
Get:4 http://azure.archive.ubuntu.com/ubuntu noble/main amd64 libaprutil1-ldap amd64 1.6.3-1.1ubuntu7 [916 B]
Get:5 http://azure.archive.ubuntu.com/ubuntu noble/main amd64 liblulu5.4-0 amd64 5.4.6-3build2 [166 kB]
Get:6 http://azure.archive.ubuntu.com/ubuntu noble-updates/main amd64 apache2-bin amd64 2.4.58-1ubuntu8.6 [1390 kB]
Get:7 http://azure.archive.ubuntu.com/ubuntu noble-updates/main amd64 apache2-data all 2.4.58-1ubuntu8.6 [163 kB]
Get:8 http://azure.archive.ubuntu.com/ubuntu noble-updates/main amd64 apache2-utils amd64 2.4.58-1ubuntu8.6 [97.2 kB]
Get:9 http://azure.archive.ubuntu.com/ubuntu noble-updates/main amd64 apache2 amd64 2.4.58-1ubuntu8.6 [98.2 kB]
Get:10 http://azure.archive.ubuntu.com/ubuntu/noble/main amd64 ssl-cert all 1.1.1ubuntu1 [17.8 kB]
Fetched 2884 kB in 0s (33.4 MB/s)
Preconfiguring packages ...
Selecting previously unselected package libapr1t64:amd64.
(Reading database ... 6797 files and directories currently installed.)
Preparing to unpack .../libapr1t64_1.7.2-3.1ubuntu0.1_amd64.deb ...
Unpacking libapr1t64:amd64 (1.7.2-3.1ubuntu0.1) ...
Selecting previously unselected package libaprutil1t64:amd64.
Preparing to unpack .../libaprutil1t64_1.6.3-1.1ubuntu7_amd64.deb ...
Unpacking libaprutil1t64:amd64 (1.6.3-1.1ubuntu7) ...
Selecting previously unselected package libaprutil1 libaprutil1-dbd-sqlite3:amd64.
Preparing to unpack .../libaprutil1-dbd-sqlite3_1.6.3-1.1ubuntu7_amd64.deb ...
Unpacking libaprutil1-dbd-sqlite3:amd64 (1.6.3-1.1ubuntu7) ...
Selecting previously unselected package libaprutil1-ldap:amd64.
Preparing to unpack .../libaprutil1-ldap_1.6.3-1.1ubuntu7_amd64.deb ...
Unpacking libaprutil1-ldap:amd64 (1.6.3-1.1ubuntu7) ...
Selecting previously unselected package liblulu5.4-0:amd64 (5.4.6-3build2) ...
Unpacking liblulu5.4-0:amd64 (5.4.6-3build2) ...
Selecting previously unselected package apache2-bin.
Preparing to unpack .../apache2-bin_2.4.58-1ubuntu8.6_amd64.deb ...
Unpacking apache2-bin (2.4.58-1ubuntu8.6) ...
Selecting previously unselected package apache2-data.
Preparing to unpack .../apache2-data_2.4.58-1ubuntu8.6_all.deb ...
Unpacking apache2-data (2.4.58-1ubuntu8.6) ...
Selecting previously unselected package apache2-utils.
Preparing to unpack .../apache2-utils_2.4.58-1ubuntu8.6_amd64.deb ...
Unpacking apache2-utils (2.4.58-1ubuntu8.6) ...
Selecting previously unselected package apache2.
Preparing to unpack .../apache2_2.4.58-1ubuntu8.6_amd64.deb ...
Unpacking apache2 (2.4.58-1ubuntu8.6) ...
Selecting previously unselected package ssl-cert.
Preparing to unpack .../ssl-cert_1.1.1ubuntu1_all.deb ...
Unpacking ssl-cert (1.1.1ubuntu1) ...
Setting up ssl-cert (1.1.1ubuntu1) ...
debconf: unable to initialize frontend: Dialog
debconf: (Dialog frontend requires a screen at least 13 lines tall and 31 columns wide.)
debconf: falling back to frontend: Readline
Created symlink /etc/systemd/system/multi-user.target.wants/ssl-cert.service → /usr/lib/systemd/system/ssl-cert.service.
Setting up libapr1t64:amd64 (1.7.2-3.1ubuntu0.1) ...
Setting up liblulu5.4-0:amd64 (5.4.6-3build2) ...
Setting up apache2-data (2.4.58-1ubuntu8.6) ...
Setting up libaprutil1t64:amd64 (1.6.3-1.1ubuntu7) ...
Setting up libaprutil1-ldap:amd64 (1.6.3-1.1ubuntu7) ...
Setting up libaprutil1 libaprutil1-dbd-sqlite3:amd64 (1.6.3-1.1ubuntu7) ...
Setting up libaprutil1-dbd-sqlite3:amd64 (1.6.3-1.1ubuntu7) ...
Setting up apache2-utils (2.4.58-1ubuntu8.6) ...
Setting up apache2-bin (2.4.58-1ubuntu8.6) ...
Setting up apache2 (2.4.58-1ubuntu8.6) ...
Enabling module mpm_event.
Enabling module authz_core.
Enabling module authz_host.
Enabling module authn_core.
Enabling module authn_basic.
Enabling module access_compat.
Enabling module authn_file.
Enabling module authz_user.
Enabling module alias.
Enabling module dir.
Enabling module autoindex.
Enabling module env.
Enabling module mime.
Enabling module negotiation.
Enabling module setenvif.
Enabling module filter.
Enabling module deflate.
Enabling module status.
Enabling module reqtimeout.
Enabling conf charset.
Enabling conf localized-error-pages.
Enabling conf other-hosts-access-log.
Enabling conf security.
Enabling conf serve-cgi-bin.
Enabling site 000-default.
Created symlink /etc/systemd/system/multi-user.target.wants/apache2.service → /usr/lib/systemd/system/apache2.service.
Created symlink /etc/systemd/system/multi-user.target.wants/apache-htcacheclean.service → /usr/lib/systemd/system/apache-htcacheclean.service.
Processing triggers for uwf (0.36.2-6) ...
Processing triggers for man-db (2.12.0-4build2) ...
Processing triggers for libc-bin (2.39-0ubuntu8.4) ...
Scanning processes...
Scanning linux images...

Running kernel seems to be up-to-date.

No services need to be restarted.

No containers need to be restarted.

No user sessions are running outdated binaries.

No VM guests are running outdated hypervisor (qemu) binaries on this host.
$ sudo systemctl start apache2
$ sudo systemctl enable apache2
Synchronizing state of apache2.service with SysV service script with /usr/lib/systemd/systemctl-sysv-install.
Executing: /usr/lib/systemd/systemctl-sysv-install enable apache2
$ []

```



Home > Create a resource > Marketplace >

Create a DNS Zone

Validation passed

Basics DNS Zone Editor Tags **Review + Create**

[View automation template](#)

Basics

Subscription Azure for Students
Resource group Group1
Resource group location Central India
Name yourbusiness.com

DNS Zone Record Set(s)

Number of record sets 0 record set(s)

Create

< Previous

Next >

Microsoft Azure

Search resources, services, and docs (G+)

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yourbusiness.com | Overview > yourbusiness.com

yourbusiness.com | Recordssets

DNS zone

Search

+ Add Refresh Delete Give feedback

A record set is a collection of records in a zone that have the same name and are the same type. You can search for record sets that have been loaded on this page. If you don't see what you're looking for, you can try scrolling to allow more record sets to load. [Learn more](#)

Search

Fetched 3 record set(s).

<input type="checkbox"/>	Name	Type	TTL	Value	Alias resource type	Alias target		
<input type="checkbox"/>	@	A	3600	20.40.40.77				
<input type="checkbox"/>	@	NS	172800	ns1-06.azure-dns.com. ns2-06.azure-dns.net. ns3-06.azure-dns.org. ns4-06.azure-dns.info.				
<input type="checkbox"/>	@	SOA	3600	Email: azuredns-hostmaster.microsoft.com Host: ns1-06.azure-dns.com. Refresh: 3600 Retry: 300 Expire: 2419200 Minimum TTL: 300 Serial number: 1				

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9. Create a Storage account and explore all the option while creating Upload and access the blob Go through different Auth. Tech and test the same Try Azure storage explorer Provision Access keys and use them for connection with storage account Create a Shared access signature and check access scope Create a stored access policy over shared access signature and check access scope Learn about different access tiers and their use cases Apply lifecycle policy over objects and test the same test object replication in blob Create a file share and test functionality Create a Azure File sync.

The screenshot shows the 'Create a storage account' wizard in the Microsoft Azure portal. The top navigation bar includes 'Microsoft Azure', a search bar, 'Copilot', and user profile icons. The main title is 'Create a storage account'. Below it, there are tabs: Basics, Advanced, Networking, Data protection, Encryption, Tags, and Review + create (which is underlined, indicating it's the active tab). A link to 'View automation template' is also present.

Basics

Subscription	Azure for Students
Resource group	Group1
Location	Central India
Storage account name	storage289
Primary service	Standard
Performance	Geo-redundant storage (GRS)
Replication	

Advanced

Enable hierarchical namespace	Disabled
Enable SFTP	Disabled
Enable network file system v3	Disabled
Allow cross-tenant replication	Disabled
Access tier	Hot
Enable large file shares	Enabled

Security

Secure transfer	Enabled
Blob anonymous access	Disabled
Allow storage account key access	Enabled
Default to Microsoft Entra authorization in the Azure portal	Disabled
Minimum TLS version	Version 1.2
Permitted scope for copy operations (preview)	From any storage account

Networking

Public network access	Enabled
Public network access	Enabled from all networks
Default routing tier	Microsoft network routing

Data protection

Point-in-time restore	Disabled
Blob soft delete	Enabled
Blob retention period in days	7
Container soft delete	Enabled
Container retention period in days	7
File share soft delete	Enabled
File share retention period in days	7
Versioning	Disabled
Blob change feed	Disabled
Version-level immutability support	Disabled

Encryption

Encryption type	Microsoft-managed keys (MMK)
Enable support for customer-managed keys	Blobs and files only
Enable infrastructure encryption	Disabled

At the bottom, there are buttons for 'Previous', 'Next', and a prominent blue 'Create' button.

Microsoft Azure Search resources, services, and docs (G+/) Copilot ...

Home > storage289_1750027260682 | Overview X

storage289_1750027260682 | Deployment

Search X « » Delete Cancel Redeploy Download Refresh

Overview Inputs Outputs Template

Your deployment is complete

Deployment name:... Start time: 6/16/2025, 4:1...
Subscription: Azur... Correlation ID: 057f70d8-1a...
Resource group: G...

Deployment details Next steps

[Go to resource](#)

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Microsoft Azure Search resources, services, and docs (G+/) Copilot ...

Home > storage289_1750027260682 | Overview > storage289

storage289 | Containers X

Storage account

Search X « » Container Change access level Restore containers Refresh Delete ...

Search containers by prefix Show deleted containers

Name	Last modified	Anonymous access l...	Lease state	...
\$logs	6/16/2025, 4:12:22 AM	Private	Available	...
container289	6/16/2025, 4:18:53 AM	Private	Available	...

Activity log Tags Diagnose and solve problems Access Control (IAM) Data migration Events Storage browser Storage Mover Partner solutions Resource visualizer Data storage

[Home](#) > [storage289_1750027260682 | Overview](#) > [storage289](#)

storage289 | Shared access signature

Storage account

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[Blob inventory](#)

[Static website](#)

[Lifecycle management](#)

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[Settings](#)

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[Metrics \(classic\)](#)

[Diagnostic settings \(classic\)](#)

[Usage \(classic\)](#)

[Automation](#)

[Tasks](#)

[Export template](#)

[Help](#)

Allowed permissions ⓘ

Read Write Delete List Add Create Update Process
 Immutable storage Permanent delete

Blob versioning permissions ⓘ

Enables deletion of versions

Allowed blob index permissions ⓘ

Read/Write Filter

Start and expiry date/time ⓘ

Start 4:24:10 AM

End 12:24:10 PM

(UTC+05:30) Chennai, Kolkata, Mumbai, New Delhi

Allowed IP addresses ⓘ

For example, 168.1.5.65 or 168.1.5.65-168.1.5.70

Allowed protocols ⓘ

HTTPS only HTTPS and HTTP

Preferred routing tier ⓘ

Basic (default) Microsoft network routing Internet routing

i Some routing options are disabled because the endpoints are not published.

Signing key ⓘ

key1

[Generate SAS and connection string](#)

Monitoring

Key

Generate SAS and connection string

Insights

Alerts

Metrics

Workbooks

Diagnostic settings

Logs

Monitoring (classic)

Metrics (classic)

Diagnostic settings (classic)

Usage (classic)

Automation

Tasks

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Add or remove favorites by pressing **Ctrl+Shift+F**

Connection string

BlobEndpoint=https://storage289.blob.core.windows.net/;QueueEndpoint=https://storage289.queue.c...

SAS token ⓘ

sv=2024-11-04&ss=bfqt&srt=sc&sp=rwdacupiytfx&se=2025-06-16T06:54:10Z&st=2025-06-15T22:54:...

Blob service SAS URL

<https://storage289.blob.core.windows.net/?sv=2024-11-04&ss=bfqt&srt=sc&sp=rwdacupiytfx&se=20...>

File service SAS URL

<https://storage289.file.core.windows.net/?sv=2024-11-04&ss=bfqt&srt=sc&sp=rwdacupiytfx&se=202...>

Queue service SAS URL

<https://storage289.queue.core.windows.net/?sv=2024-11-04&ss=bfqt&srt=sc&sp=rwdacupiytfx&se=2...>

Table service SAS URL

<https://storage289.table.core.windows.net/?sv=2024-11-04&ss=bfqt&srt=sc&sp=rwdacupiytfx&se=20...>

1.

10. Create a Storage account and explore all the option while creating Upload and access the blob Go through different Auth. Tech and test the same Try Azure storage explorer Provision Access keys and use them for connection with storage account Create a Shared access signature and check access scope Create a stored access policy over shared access signature and check access scope Learn about different access tiers and their use cases Apply lifecycle policy over objects and test the same test object replication in blob Create a file share and test functionality Create a Azure File sync.

The screenshot shows the 'Create a storage account' wizard in the Microsoft Azure portal. The 'Review + create' tab is selected. The configuration is as follows:

- Basics**
 - Subscription: Azure for Students
 - Resource group: Group1
 - Location: Central India
 - Storage account name: storage289
 - Primary service: Standard
 - Performance: Standard
 - Replication: Geo-redundant storage (GRS)
- Advanced**
 - Enable hierarchical namespace: Disabled
 - Enable SFTP: Disabled
 - Enable network file system v3: Disabled
 - Allow cross-tenant replication: Disabled
 - Access tier: Hot
 - Enable large file shares: Enabled
- Security**
 - Secure transfer: Enabled
 - Blob anonymous access: Disabled
 - Allow storage account key access: Enabled
 - Default to Microsoft Entra authorization in the Azure portal: Disabled
 - Minimum TLS version: Version 1.2
 - Permitted scope for copy operations (preview): From any storage account
- Networking**
 - Public network access: Enabled
 - Public network access: Enabled from all networks
 - Default routing tier: Microsoft network routing
- Data protection**
 - Point-in-time restore: Disabled
 - Blob soft delete: Enabled
 - Blob retention period in days: 7
 - Container soft delete: Enabled
 - Container retention period in days: 7
 - File share soft delete: Enabled
 - File share retention period in days: 7
 - Versioning: Disabled
 - Blob change feed: Disabled
 - Version-level immutability support: Disabled
- Encryption**
 - Encryption type: Microsoft-managed keys (MMK)
 - Enable support for customer-managed keys: Blobs and files only
 - Enable infrastructure encryption: Disabled

At the bottom, there are 'Previous', 'Next', and 'Create' buttons, along with a 'Give feedback' link.

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Home > storage289_1750027260682 | Overview X

storage289_1750027260682 Deployment

Search Delete Cancel Redeploy Download Refresh

Overview Inputs Outputs Template

✓ Your deployment is complete

Deployment name:... Start time: 6/16/2025, 4:1...
Subscription: Azur... Correlation ID: 057f70d8-1a...
Resource group: G...

Deployment details Next steps

Go to resource

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storage289 | Containers Storage account

Search Container Change access level Restore containers Refresh Delete ...

Search containers by prefix Show deleted containers

Name	Last modified	Anonymous access l...	Lease state
\$logs	6/16/2025, 4:12:22 AM	Private	Available ...
container289	6/16/2025, 4:18:53 AM	Private	Available ...

Activity log Tags Diagnose and solve problems Access Control (IAM) Data migration Events Storage browser Storage Mover Partner solutions Resource visualizer Data storage

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storage289 | Shared access signature

Storage account

Search
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- [Access Control \(IAM\)](#)
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- [Security + networking](#)
 - [Networking](#)
 - [Front Door and CDN](#)
 - [Access keys](#)
- [Shared access signature](#)
- [Encryption](#)
- [Microsoft Defender for Cloud](#)

Allowed permissions ⓘ

Read Write Delete List Add Create Update Process
 Immutable storage Permanent delete

Blob versioning permissions ⓘ

Enables deletion of versions

Allowed blob index permissions ⓘ

Read/Write Filter

Start and expiry date/time ⓘ

Start: 4:24:10 AM

End: 12:24:10 PM

(UTC+05:30) Chennai, Kolkata, Mumbai, New Delhi

Allowed IP addresses ⓘ

For example, 168.1.5.65 or 168.1.5.65-168.1.5.70

Allowed protocols ⓘ

HTTPS only HTTPS and HTTP

Preferred routing tier ⓘ

Basic (default) Microsoft network routing Internet routing

Some routing options are disabled because the endpoints are not published.

Signing key ⓘ

key1

Generate SAS and connection string

