

File | C:/Users/user/Downloads/Capstone-Project-1.pdf

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Draw | Read aloud

1 of 3

Azure Administrator  
Capstone Project  
Az-104

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Market close 20:41 11-07-2023 ENG

You work as an Azure professional for a Corporation. You are assigned the task of implementing the below architecture for the company's website.

The diagram illustrates a cloud architecture for a company's website. At the top level is an **Azure Traffic Manager**, which oversees two regions: **Central US** and **West US**. Each region contains an **Application Gateway** (either **Application Gateway 1** or **Application Gateway 2**). Each application gateway is connected to a virtual network (**Vnet 1** or **Vnet 2**). Within each virtual network, there are two virtual machines (**VM 1** and **VM 2**). A central **Vnet-Vnet** connection allows traffic to be exchanged between the two virtual networks.

There are three web pages to be deployed:

1. The home page is the default page (VM2)
2. The upload page is where you can upload the files to your Azure Blob Storage (VM1)
3. The error page for 403 and 502 errors

Application Gateway has to be configured in the following manner:

1. Example.com should be pointed to the home page
2. Example.com/upload should be pointed to the upload page

File tabs: Error403, Capstone-Project-1.pdf

Toolbar: Back, Forward, File, Read aloud, Search, Favorites, Print, Sign in, etc.

Bottom Taskbar: Type here to search, Start button, Icons for File Explorer, Mail, Google Chrome, Edge, etc., Market close, 20:42, 11-07-2023, 1 notification.

Error403 Capstone-Project-1.pdf

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Azure 104 Certification Course

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3. Application Gateway's error pages should be pointed to error.html which should be hosted as a static website in Azure Containers. The error.html file is present in the GitHub repository

The term 'Example' here refers to the Traffic Manager's domain name. The client wants you to deploy them in the Central US and the West US regions such that the traffic is distributed optimally between both regions.

Storage Account has to be configured in the following manner:

1. You need to host your error.html as a static website here, and then point the application gateway's 403 and 502 errors to it.
2. Create a container named upload, this will be used by your code to upload the files.

Technical specifications for the deployments are as follows:

1. Deployments in both regions should have VMs inside VNets.
2. Clone the GitHub repo <https://github.com/azcloudberg/azproject> to all the VMs.
3. On VM1, please run vm1.sh this will deploy the upload page, on VM2 please run VM2.sh, this will install the home page.
4. For running the scripts, please run the following command inside the GitHub directory from the terminal.

**VM1: ./vm1.sh**

**VM2: ./vm2.sh**

5. After running the scripts, please edit the config.py file on VM1, and enter the details related to your storage account where the files will be uploaded.
6. Once done, please run the following command: **sudo python3 app.py**
7. Both regions should be connected to each other using VNet-VNet Peering.
8. Finally, your Traffic Manager should be pointing to the application gateway of both the regions.

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11-07-2023 ENG

1

A Create virtual network - Microsoft Azure x Start Course | Intellipaat x M Inbox (4,448) - dyaswanthkumar x +

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

Gmail YouTube Maps Sample Avro File How to create a Da... google cloud stor... Read AVRO messag... Quickstart: stream... Handling Avro files... python - Adding a... Adding timestamp... Adding timestamp...

Microsoft Azure Search resources, services, and docs (G+) yaswanthkumard21@... DEFAULT DIRECTORY (YASWANTH)

Home > Virtual machines >

## Create a virtual machine

Networking

Basics Disks Networking Management Monitoring Advanced Tags Review + create

Define network connectivity for your virtual machine by configuring network interface card (NIC) settings. You can inbound and outbound connectivity with security group rules, or place behind an existing load balancing solution. [Learn more](#)

**Network interface**

When creating a virtual machine, a network interface will be created for you.

Virtual network \* (new) vm1-vnet Create new

Subnet \* (new) default (10.0.0.0/24)

Public IP (new) vm1-ip Create new

NIC network security group None Basic Advanced

Public inbound ports \* None Allow selected ports

Review + create < Previous Next : Management >

## Create virtual network

The Microsoft Azure Virtual Network service enables Azure resources to securely communicate with each other in a virtual network which is a logical isolation of the Azure cloud dedicated to your subscription. You can connect virtual networks to other virtual networks, or your on-premises network. [Learn more](#)

Name \* vnet1 ✓ **Vm1, VM2**

Address space

The virtual network's address space, specified as one or more address prefixes in CIDR notation (e.g. 192.168.1.0/24).

<input type="checkbox"/> Address range *	Addresses	Overlap
<input type="checkbox"/> 10.0.0.0/16	10.0.0.0 - 10.0.255.255 (65536 addresses)	None
	(0 Addresses)	None

Subnets

The subnet's address range in CIDR notation. It must be contained by the address space of the virtual network.

<input type="checkbox"/> Subnet name	Address range	Addresses
<input type="checkbox"/> subnet1 ✓	10.0.0.0/24	10.0.0.0 - 10.0.0.255 (256 addresses)
<input type="checkbox"/> subnet_ag1 ✓	10.0.1.0/24	10.0.1.0 - 10.0.1.255 (256 addresses)
	(0 Addresses)	

OK Discard

Type here to search 30°C Partly cloudy 20:54 11-07-2023 ENG 1

A Create virtual network - Microsoft Azure x A CreateVm-canonical.0001-com-ubuntu-server-focal-2-20230711205213 x Start Course | Intellipaat x | M Inbox (4,448) - dyaswanthkumar x +

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

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Home > CreateVm-canonical.0001-com-ubuntu-server-focal-2-20230711205213 | Overview >

## Create a virtual machine

Networking

Basics Disks Networking Management Monitoring Advanced Tags Review + create

Define network connectivity for your virtual machine by configuring network interface card (NIC) settings. You can inbound and outbound connectivity with security group rules, or place behind an existing load balancing solution. [Learn more](#)

**Network interface**

When creating a virtual machine, a network interface will be created for you.

Virtual network \* (new) vm3-vnet Create new

Subnet \* (new) default (10.1.0.0/24)

Public IP (new) vm3-ip Create new

NIC network security group None Basic Advanced

Public inbound ports \* None Allow selected ports

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

## Create virtual network

The Microsoft Azure Virtual Network service enables Azure resources to securely communicate with each other in a virtual network which is a logical isolation of the Azure cloud dedicated to your subscription. You can connect virtual networks to other virtual networks, or your on-premises network. [Learn more](#)

Name \* vnet2 ✓

Address space VM3, VM4

The virtual network's address space, specified as one or more address prefixes in CIDR notation (e.g. 192.168.1.0/24).

<input type="checkbox"/> Address range *	Addresses	Overlap
<input type="checkbox"/> 10.1.0.0/16	10.1.0.0 - 10.1.255.255 (65536 addresses)	None
	(0 Addresses)	None

**Subnets**

The subnet's address range in CIDR notation. It must be contained by the address space of the virtual network.

<input type="checkbox"/> Subnet name	Address range	Addresses
<input type="checkbox"/> subnet2 ✓	10.1.0.0/24	10.1.0.0 - 10.1.0.255 (256 addresses)
<input type="checkbox"/> subnet_ag2 ✓	10.1.1.0/24	10.1.1.0 - 10.1.1.255 (256 addresses)
	(0 Addresses)	

[OK](#) [Discard](#)

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29°C Partly cloudy ENG 11-07-2023 21:01

A Create a storage account - Micro x A Virtual machines - Microsoft Azure x Start Course | Intellipaat x | M Inbox (4,448) - dyaswanthkumar x +

portal.azure.com/#view/HubsExtension/BrowseResource/resourceType/Microsoft.Compute%2FVirtualMachines

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

Home > Virtual machines Default Directory (yaswanthkumard21@gmail.onmicrosoft.com)

+ Create Switch to classic Reservations Manage view Refresh Export to CSV Open query Assign tags Start Restart Stop Delete Services Maintenance

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

No grouping List view

Name	Type	Subscription	Resource group	Location	Status	Operating system	Size	Public IP address	Disks
vm1	Virtual machine	Azure subscription 1	capstoneproject	East US	Running	Linux	Standard_B1s	40.121.148.179	1
vm2	Virtual machine	Azure subscription 1	capstoneproject	East US	Running	Linux	Standard_B1s	20.25.118.208	1
vm3	Virtual machine	Azure subscription 1	capstoneproject	West US	Running	Linux	Standard_B1s	20.237.165.44	1
vm4	Virtual machine	Azure subscription 1	capstoneproject	West US	Running	Linux	Standard_B1s	20.237.164.228	1

< Previous Page 1 of 1 Next > Give feedback

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portal.azure.com/#@yaswanthkumard21@gmail.onmicrosoft.com/resource/subscriptions/c316ebcc-8547-48b4-8825-acd2dac7f486/resourcegroups/capstoneproject/providers/...

Gmail YouTube Maps Sample Avro File How to create a Da... google cloud stora... Read AVRO messag... Quickstart: stream... Handling Avro files... python - Adding a... Adding timestamp... Adding timestamp...

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Home > capstoneaccount\_1689089996181 | Overview >

**capstoneaccount** Storage account

Search

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

Overview JSON View

Essentials

Resource group ( <a href="#">move</a> ) : capstoneproject ✓	Performance : Standard
Location : East US ✓	Replication : Locally-redundant storage (LRS)
Subscription ( <a href="#">move</a> ) : Azure subscription 1	Account kind : StorageV2 (general purpose v2)
Subscription ID : c316ebcc-8547-48b4-8825-acd2dac7f486	Provisioning state : Succeeded
Disk state : Available	Created : 7/11/2023, 9:10:14 PM
Tags ( <a href="#">edit</a> ) : Click here to add tags	

Properties Monitoring Capabilities (7) Recommendations (0) Tutorials Tools + SDKs

Blob service Security

Hierarchical namespace	Disabled	Require secure transfer for REST API operations	Enabled
Default access tier	Hot	Storage account key access	Enabled
Blob public access	Enabled	Minimum TLS version	Version 1.2
Blob soft delete	Disabled	Infrastructure encryption	Disabled
Container soft delete	Disabled		
Versioning	Unavailable due to migration		
Change feed	Unavailable due to migration		
NFS v3	Disabled		

Networking

Allow access from	All networks
Number of private endpoint connections	0

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portal.azure.com/#@yaswanthkumard21@gmail.onmicrosoft.com/resource/subscriptions/c316ebcc-8547-48b4-8825-acd2dac7f486/resourcegroups/capstoneproject/providers/...

Gmail YouTube Maps Sample Avro File How to create a Da... google cloud stora... Read AVRO messag... Quickstart: stream... Handling Avro files... python - Adding a... Adding timestamp... Adding timestamp...

Microsoft Azure Search resources, services, and docs (G+) yaswanthkumard21@g... DEFAULT DIRECTORY (YASWANT...)

Home > capstoneaccount\_168908996181 | Overview > capstoneaccount

## capstoneaccount | Containers

Storage account

Search Container Change access level Restore containers Refresh Delete Give feedback

Search containers by prefix Show deleted containers

Name	Last modified	Public access level	Lease state
\$logs	7/11/2023, 9:10:39 PM	Private	Available
upload	7/11/2023, 9:12:06 PM	Container	Available

Containers  File shares Queues Tables

Networking Azure CDN

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portal.azure.com/#@yaswanthkumard21@gmail.onmicrosoft.com/resource/subscriptions/c316ebcc-8547-48b4-8825-acd2dac7f486/resourcegroups/capstoneproject/providers/...

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Home > capstoneaccount\_1689089996181 | Overview > capstoneaccount

## capstoneaccount | Static website ...

Storage account

static

x

Data management

Static website ✓

Enabling static websites on the blob service allows you to host static content. Webpages may include static content and client-side scripts. Server-side scripting is not supported. As data is replicated asynchronously from primary to secondary regions, files at the secondary endpoint may not be immediately available or in sync with files at the primary endpoint. [Learn more](#)

Static website

Enabled

Index document name ⓘ

error.html ✓



Error document path ⓘ

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portal.azure.com/#@yaswanthkumard21@gmail.onmicrosoft.com/resource/subscriptions/c316ebcc-8547-48b4-8825-acd2dac7f486/resourcegroups/capstoneproject/providers/...

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Home > capstoneaccount\_168908996181 | Overview > capstoneaccount

## capstoneaccount | Static website ☆ ...

Storage account

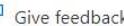
static



Save



Discard



Data management

Static website

An Azure Storage container has been created to host your static website.  
\$web

Primary endpoint ①

https://capstoneaccount.z13.web.core.windows.net/ 

Index document name ①

error.html 

Error document path ①



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portal.azure.com/#view/Microsoft\_Azure\_Storage/ContainerMenuBlade/~/overview/storageAccountId/%2Fsubscriptions%2Fc316ebcc-8547-48b4-8825-acd2dac7f486%2Freso... Key Download Share Star Puzzle More

Gmail YouTube Maps Sample Avro File How to create a Da... google cloud stora... Read AVRO messag... Quickstart: stream... Handling Avro files... python - Adding a... Adding timestamp... Adding timestamp...

Microsoft Azure Search resources, services, and docs (G+) yaswanthkumard21@g... DEFAULT DIRECTORY (YASWANTH)

Home > capstoneaccount\_1689089996181 | Overview > capstoneaccount | Static website >

\$web Container

Search

Overview Diagnose and solve problems Access Control (IAM)

Add filter

Name	Modified	Access tier
error.html	7/11/2023, 9:15:06 PM	Hot (Inferred)

Authentication method: Access key (Switch to Azure AD User Account)  
Location: \$web

Search blobs by prefix (case-sensitive)

Upload Change access level Refresh Delete Change tier Acquire lease

Upload blob

Drag and drop files here or Browse for files

Overwrite if files already exist

Advanced

Upload Give feedback

Current uploads Dismiss: Completed All

error.html ✓ 30.26 KiB / 30.26 KiB

Type here to search

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portal.azure.com/#@yaswanthkumard21@gmail.onmicrosoft.com/resource/subscriptions/c316ebcc-8547-48b4-8825-acd2dac7f486/resourcegroups/capstoneproject/providers/...

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Microsoft Azure Search resources, services, and docs (G+) yaswanthkumard21@g... DEFAULT DIRECTORY (YASWANT...)

Home > capstoneaccount\_168908996181 | Overview > capstoneaccount

## capstoneaccount | Static website

Storage account

static Save Discard Give feedback

Data management

Static website

Enabled

An Azure Storage container has been created to host your static website.  
\$web

Primary endpoint ⓘ Copied  
https://capstoneaccount.z13.web.core.windows.net/

Index document name ⓘ  
error.html ✓

Error document path ⓘ



A capstoneaccount - Microsoft Azure x | A Virtual machines - Microsoft Azure x | Start Course | Intellipaat x | M Inbox (4,448) - dyaswanthkumar x | Error403 x

← → ⌂ ⌂ capstoneaccount.z13.web.core.windows.net

Gmail YouTube Maps Sample Avro File How to create a Da... google cloud stor... Read AVRO messag... Quickstart: stream... Handling Avro files... python - Adding a... Adding timestamp...

503  
Service Unavailable

Access to this server is denied.  
Application gateway is not running.

Type here to search

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A Create application gateway - Mic x A Virtual machines - Microsoft Azure x Start Course | Intellipaat x | M Inbox (4,448) - dyaswanthkumar x +

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

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

Home > Load balancing | Application Gateway >

## Create application gateway

Resource group  Create new

**Instance details**

Application gateway name \*  ✓

Region \*  ✓

Tier

Enable autoscaling  Yes  No

Minimum instance count \*  ✓

Maximum instance count  ✓

Availability zone

HTTP2  Disabled  Enabled

**Configure virtual network**

Virtual network \*  ✓ Create new

Subnet \*

[Previous](#) [Next : Frontends >](#)



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

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

Home > Load balancing | Application Gateway >

## Create application gateway

✓ Basics ✓ Frontends ③ Backends ④ Configuration ⑤ Tags ⑥ Review + create

A backend pool is a collection of resources to which your application gateway can send traffic. A backend pool can contain virtual machines, virtual machine scale sets, app services, IP addresses, or fully qualified domain names (FQDN). [View definition](#)

Add a backend pool

Backend pool	Targets	...
pool1	▼ 1 target vm1925 ✓	...
pool2	▼ 1 target vm2792 ✓	...

[Previous](#) [Next : Configuration >](#)



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Add a routing rule - Microsoft Azure Virtual machines - Microsoft Azure Start Course | Intellipaat

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

Home > Load balancing | Application Gateway >

## Create application gateway

✓ Basics ✓ Frontends ✓ Backends ④ Configuration ⑤ Tags ⑥ Review + create

Create routing rules that link your frontend(s) and backend(s). You can also add more backend pools, add a second listener, or edit existing listeners.

### Frontends

+ Add a frontend IP

Public: (new) ag1ip

...

### Add a routing rule

Configure a routing rule to send traffic from a given frontend IP address to one or more backend targets. A routing rule must contain a listener and at least one backend target.

Rule name \* rule1 ✓

Priority \* 1

\* Listener \* Backend targets

A listener "listens" on a specified port and IP address for traffic that uses a specified protocol. If the listener criteria are met, the application gateway will apply this routing rule. ↗

Listener name \* name

Frontend IP \* Public

Protocol HTTP HTTPS

Port \* 80

Additional settings

Listener type Basic Multi site

Error page url Yes No

Bad gateway - 502 https://capstoneaccount.z13.web.core.windows.net/error.html ✓

Forbidden - 403 https://capstoneaccount.z13.web.core.windows.net/error.html ✓

Previous Next : Tags > Add Cancel

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

Home > Load balancing | Application Gateway >

## Create application gateway

✓ Basics ✓ Frontends ✓ Backends ④ Configuration ⑤ Tags ⑥ Review + create

Create routing rules that link your frontend(s) and backend(s). You can also add more backend pools, add a second listener, or add a new rule.

### Frontends

+ Add a frontend IP

Public: (new) ag1ip

rule1

Manage Backend

### Add a routing rule

Configure a routing rule to send traffic from a given frontend IP address to one or more backend targets. A routing rule must contain a listener and at least one backend target.

Rule name \* rule1

Priority \* 1

\* Listener \* Backend targets

Choose a backend pool to which this routing rule will send traffic. You will also need to specify a set of Backend settings that define the behavior of the routing rule.

Target type  Backend pool  Redirection

pool2   
Add new  
default   
Add new

Path-based routing

You can route traffic from this rule's listener to different backend targets based on the URL path of the request. You can also apply a different set of Backend settings based on the URL path.

Path based rules

Path	Target name	Backend setting name	Backend pool
/upload	pool1	default	pool1

Add Cancel

Previous Next : Tags >

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portal.azure.com/#@yaswanthkumard21@gmail.onmicrosoft.com/resource/subscriptions/c316ebcc-8547-48b4-8825-acd2dac7f486/resourceGroups/capstoneproject/providers/Micr...        

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

Home > Microsoft.ApplicationGateway-20230711211740 | Overview > capstoneproject >

ag1 Application gateway   

Search 

Overview    

Activity log   

Access control (IAM)   

Tags   

Diagnose and solve problems   

Settings   

Configuration   

Web application firewall   

Backend pools   

Backend settings   

Frontend IP configurations   

Private link   

SSL settings   

Listeners   

Rules   

Rewrites   

Health probes   

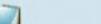
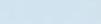
Essentials   

Resource group (move) : [capstoneproject](#) Virtual network/subnet : [vnet1/subnet\\_ag1](#)  
Location : East US  Frontend public IP address : [20.172.241.8 \(ag1ip\)](#)   
Subscription (move) : [Azure subscription 1](#) Frontend private IP addr... : -  
Subscription ID : c316ebcc-8547-48b4-8825-acd2dac7f486 Tier : Standard V2  
Tags ([edit](#)) : [Click here to add tags](#) Availability zone : -

Show data for last  6 hours 12 hours 1 day 7 days 30 days

Sum Total Requests  Sum Failed Requests 

Sum Total Requests	Sum Failed Requests
100	100
90	90
80	80
70	70
60	60
50	50
40	40
30	30
20	20

Type here to search       

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

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

Home > Load balancing | Application Gateway > Create application gateway

Resource group  Create new

**Instance details**

Application gateway name \*  ✓

Region \*  ✓

Tier

Enable autoscaling  Yes  No

Minimum instance count \*  ✓

Maximum instance count  ✓

Availability zone

HTTP2  Disabled  Enabled

**Configure virtual network**

Virtual network \*  ✓ Create new

Subnet \*

[Previous](#) [Next : Frontends >](#)



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

Home > Load balancing | Application Gateway >

## Create application gateway

✓ Basics ✓ Frontends ③ Backends ④ Configuration ⑤ Tags ⑥ Review + create

A backend pool is a collection of resources to which your application gateway can send traffic. A backend pool can contain virtual machines, virtual machine scale sets, app services, IP addresses, or fully qualified domain names (FQDN). ⓘ

Add a backend pool

Backend pool	Targets	...
pool3	▼ 1 target vm3958 ✓	...
pool4	▼ 1 target vm4975 ✓	...

Previous Next : Configuration >



29°C Partly cloudy 21:28 11-07-2023 ENG 1

Microsoft.ApplicationGateway-20 | Add a routing rule - Microsoft Azure | Start Course | Intellipaat | Inbox (4,448) - dyaswanthkumar | +

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

Gmail YouTube Maps Sample Avro File How to create a Da... google cloud stora... Read AVRO messag... Quickstart: stream... Handling Avro files... python - Adding a... Adding timestamp... Adding timestamp...

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Home > Load balancing | Application Gateway >

## Create application gateway

✓ Basics ✓ Frontends ✓ Backends ④ Configuration ⑤ Tags ⑥ Review + create

Create routing rules that link your frontend(s) and backend(s). You can also add more backend pools, add a second listener, or edit existing listeners.

### Frontends

+ Add a frontend IP

Public: (new) ag2ip

...

### Add a routing rule

Configure a routing rule to send traffic from a given frontend IP address to one or more backend targets. A routing rule must contain a listener and at least one backend target.

Rule name \* rule2 ✓

Priority \* 1 ✓

\* Listener \* Backend targets

A listener "listens" on a specified port and IP address for traffic that uses a specified protocol. If the listener criteria are met, the application gateway will apply this routing rule. ↗

Listener name \* name ✓

Frontend IP \* Public

Protocol HTTP HTTPS

Port \* 80 ✓

Additional settings

Listener type Basic Multi site

Error page url Yes No

Bad gateway - 502 https://capstoneaccount.z13.web.core.windows.net/error.html ✓

Forbidden - 403 https://capstoneaccount.z13.web.core.windows.net/error.html ✓

Previous Next : Tags > Add Cancel

Type here to search

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

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Home > Load balancing | Application Gateway >

## Create application gateway

✓ Basics ✓ Frontends ✓ Backends ④ Configuration ⑤ Tags ⑥ Review + create

Create routing rules that link your frontend(s) and backend(s). You can also add more backend pools, add a second listener, or change the port.

**Frontends**

+ Add a frontend IP

Public: (new) ag2ip

**Add a routing rule**

Listener and at least one backend target

Rule name \* rule2

Priority \* 1

\* Listener \* Backend targets

Choose a backend pool to which this routing rule will send traffic. You will also need to specify a set of Backend settings that define the behavior of the routing rule.

Target type  Backend pool  Redirection

pool4

Add new

default

Add new

Backend settings \* default

Path-based routing

You can route traffic from this rule's listener to different backend targets based on the URL path of the request. You can also apply a different set of Backend settings based on the URL path.

Path based rules

Path	Target name	Backend setting name	Backend pool
/upload	pool3	default	pool3

Add Cancel

Previous Next : Tags >

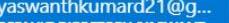
Type here to search

29°C Partly cloudy 21:31 11-07-2023 ENG 1

A vm4 - Microsoft Azure x A ag2 - Microsoft Azure x Start Course | Intellipaat x M Inbox (4,448) - dyaswanthkumar...

portal.azure.com/#@yaswanthkumard21@gmail.onmicrosoft.com/resource/subscriptions/c316ebcc-8547-48b4-8825-acd2dac7f486/resourceGroups/capstoneproject/providers/Micr...      

Gmail YouTube Maps Sample Avro File How to create a Da... google cloud stora... Read AVRO messag... Quickstart: stream... Handling Avro files... python - Adding a... Adding timestamp... Adding timestamp...

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

Home > Load balancing | Application Gateway >

ag2 Application gateway

Search Delete Refresh

Overview JSON View

Activity log Access control (IAM) Tags Diagnose and solve problems

Settings Configuration Web application firewall Backend pools Backend settings Frontend IP configurations Private link SSL settings Listeners Rules Rewrites Health probes

Essentials

Resource group (move) : capstoneproject Virtual network/subnet : vnet2/subnet\_ag2  
Location : West US ✓ Frontend public IP address : 104.40.87.64 (ag2Ip) ✓  
Subscription (move) : Azure subscription 1 Frontend private IP addr... : -  
Subscription ID : c316ebcc-8547-48b4-8825-acd2dac7f486 Tier : Standard V2  
Tags (edit) : Click here to add tags Availability zone : -

Show data for last 1 hour 6 hours 12 hours 1 day 7 days 30 days

Sum Total Requests Sum Failed Requests

28°C Mostly clear 21:42 11-07-2023 ENG 1

```
newuser@vm1:~$ 
ty/restricted amd64 c-n-f Metadata [552 B]
Get:37 http://azure.archive.ubuntu.com/ubuntu focal-security/universe amd64 Packages [854 kB]
Get:38 http://azure.archive.ubuntu.com/ubuntu focal-security/universe Translation-en [177 kB]
Get:39 http://azure.archive.ubuntu.com/ubuntu focal-security/universe amd64 c-n-f Metadata [18.7 kB]
Get:40 http://azure.archive.ubuntu.com/ubuntu focal-security/multiverse amd64 Packages [29.3 kB]
Get:41 http://azure.archive.ubuntu.com/ubuntu focal-security/multiverse Translation-en [6120 B]
Get:42 http://azure.archive.ubuntu.com/ubuntu focal-security/multiverse amd64 c-n-f Metadata [620 B]
Fetched 27.7 MB in 6s (4896 kB/s)
Reading package lists... Done
newuser@vm1:~$ 

newuser@vm2:~$ 
ty/restricted amd64 c-n-f Metadata [552 B]
Get:37 http://azure.archive.ubuntu.com/ubuntu focal-security/universe amd64 Packages [854 kB]
Get:38 http://azure.archive.ubuntu.com/ubuntu focal-security/universe Translation-en [177 kB]
Get:39 http://azure.archive.ubuntu.com/ubuntu focal-security/universe amd64 c-n-f Metadata [18.7 kB]
Get:40 http://azure.archive.ubuntu.com/ubuntu focal-security/multiverse amd64 Packages [29.3 kB]
Get:41 http://azure.archive.ubuntu.com/ubuntu focal-security/multiverse Translation-en [6120 B]
Get:42 http://azure.archive.ubuntu.com/ubuntu focal-security/multiverse amd64 c-n-f Metadata [620 B]
Fetched 27.7 MB in 5s (5263 kB/s)
Reading package lists... Done
newuser@vm2:~$ 

newuser@vm3:~$ 
ty/universe amd64 Packages [854 kB]
Get:38 http://azure.archive.ubuntu.com/ubuntu focal-security/universe Translation-en [177 kB]
Get:39 http://azure.archive.ubuntu.com/ubuntu focal-security/universe amd64 c-n-f Metadata [18.7 kB]
Get:40 http://azure.archive.ubuntu.com/ubuntu focal-security/multiverse amd64 Packages [29.3 kB]
Get:41 http://azure.archive.ubuntu.com/ubuntu focal-security/multiverse Translation-en [6120 B]
Get:42 http://azure.archive.ubuntu.com/ubuntu focal-security/multiverse amd64 c-n-f Metadata [620 B]
Fetched 27.7 MB in 6s (4544 kB/s)
Reading package lists... Done
newuser@vm3:~$ 

newuser@vm4:~$ 
ty/universe amd64 Packages [854 kB]
Get:38 http://azure.archive.ubuntu.com/ubuntu focal-security/universe Translation-en [177 kB]
Get:39 http://azure.archive.ubuntu.com/ubuntu focal-security/universe amd64 c-n-f Metadata [18.7 kB]
Get:40 http://azure.archive.ubuntu.com/ubuntu focal-security/multiverse amd64 Packages [29.3 kB]
Get:41 http://azure.archive.ubuntu.com/ubuntu focal-security/multiverse Translation-en [6120 B]
Get:42 http://azure.archive.ubuntu.com/ubuntu focal-security/multiverse amd64 c-n-f Metadata [620 B]
Fetched 27.7 MB in 6s (4688 kB/s)
Reading package lists... Done
newuser@vm4:~$ 
```



28°C Mostly clear 21:44  
11-07-2023 ENG

A screenshot of a Microsoft Edge browser window displaying a GitHub repository page. The repository is named 'azcloudberg/azproject' and is public. It has 1 branch and 0 tags. The 'Code' tab is selected. A context menu is open over the 'Clone' button, showing options for 'Local' and 'Codespaces'. The 'HTTPS' option is highlighted. The URL 'https://github.com/azcloudberg/azproject.git' is visible in the menu. The GitHub interface includes a search bar, navigation links for Product, Solutions, Open Source, Pricing, and a sidebar with various icons.

azcloudberg / azproject Public

forked from yeshu4/azproject

Code Pull requests Actions Projects Security Insights

This branch is 18 commits ahead of yeshu4:master.

azcloudberg Update app.py

.github/workflows	Add or update the Azure App S	
templates	update	
README.md	Merge branch 'master' of https	
app.py	Update app.py	
config.py	update	
error.html	update 2	last month
index.html	update	7 months ago
vm1.sh	Update vm1.sh	last month
vm2.sh	changed vm2 permissions	3 years ago

Go to file Code

Local Codespaces

Clone

HTTPS GitHub CLI

https://github.com/azcloudberg/azproject.git

Use Git or checkout with SVN using the web URL.

Open with GitHub Desktop

Download ZIP

About

No description, website, or topics provided.

Readme

1 star

0 watching

126 forks

Report repository

Releases

No releases published

Packages

No packages published

Languages

Type here to search

28°C Mostly clear 21:44 11-07-2023

```
newuser@vm1:~$ Get:37 http://azure.archive.ubuntu.com/ubuntu focal-security/universe amd64 Packages [854 kB]
Get:38 http://azure.archive.ubuntu.com/ubuntu focal-security/universe Translation-en [177 kB]
Get:39 http://azure.archive.ubuntu.com/ubuntu focal-security/universe amd64 c-n-f Metadata [18.7 kB]
Get:40 http://azure.archive.ubuntu.com/ubuntu focal-security/multiverse amd64 Packages [29.3 kB]
Get:41 http://azure.archive.ubuntu.com/ubuntu focal-security/multiverse Translation-en [6120 B]
Get:42 http://azure.archive.ubuntu.com/ubuntu focal-security/multiverse amd64 c-n-f Metadata [620 B]
Fetched 27.7 MB in 6s (4896 kB/s)
Reading package lists... Done
newuser@vm1:~$ git clone https://github.com/azcloudberg/azproject.git
```

```
newuser@vm2:~$ Get:37 http://azure.archive.ubuntu.com/ubuntu focal-security/universe amd64 Packages [854 kB]
Get:38 http://azure.archive.ubuntu.com/ubuntu focal-security/universe Translation-en [177 kB]
Get:39 http://azure.archive.ubuntu.com/ubuntu focal-security/universe amd64 c-n-f Metadata [18.7 kB]
Get:40 http://azure.archive.ubuntu.com/ubuntu focal-security/multiverse amd64 Packages [29.3 kB]
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```

```
newuser@vm3:~$ Get:38 http://azure.archive.ubuntu.com/ubuntu focal-security/universe Translation-en [177 kB]
Get:39 http://azure.archive.ubuntu.com/ubuntu focal-security/universe amd64 c-n-f Metadata [18.7 kB]
Get:40 http://azure.archive.ubuntu.com/ubuntu focal-security/multiverse amd64 Packages [29.3 kB]
Get:41 http://azure.archive.ubuntu.com/ubuntu focal-security/multiverse Translation-en [6120 B]
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Reading package lists... Done
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```

```
newuser@vm4:~$ Get:38 http://azure.archive.ubuntu.com/ubuntu focal-security/universe Translation-en [177 kB]
Get:39 http://azure.archive.ubuntu.com/ubuntu focal-security/universe amd64 c-n-f Metadata [18.7 kB]
Get:40 http://azure.archive.ubuntu.com/ubuntu focal-security/multiverse amd64 Packages [29.3 kB]
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Get:42 http://azure.archive.ubuntu.com/ubuntu focal-security/multiverse amd64 c-n-f Metadata [620 B]
Fetched 27.7 MB in 6s (4688 kB/s)
Reading package lists... Done
newuser@vm4:~$ git clone https://github.com/azcloudberg/azproject.git
```



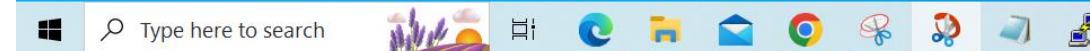
28°C Mostly clear 21:46  
11-07-2023 ENG 1

```
newuser@vm1: ~/azproject
Cloning into 'azproject'...
remote: Enumerating objects: 229, done.
remote: Counting objects: 100% (115/115), done.
remote: Compressing objects: 100% (77/77), done.
remote: Total 229 (delta 53), reused 88 (delta 36), pack-reused 114
Receiving objects: 100% (229/229), 52.37 KiB | 17.46 MiB/s
, done.
Resolving deltas: 100% (101/101), done.
newuser@vm1:~$ ls ✓
azproject
newuser@vm1:~$ cd azproject/
newuser@vm1:~/azproject$ ls
README.md config.py index.html vm1.sh ✓
app.py error.html templates vm2.sh ✓
newuser@vm1:~/azproject$
```

```
newuser@vm2: ~/azproject
Cloning into 'azproject'...
remote: Enumerating objects: 229, done.
remote: Counting objects: 100% (115/115), done.
remote: Compressing objects: 100% (77/77), done.
remote: Total 229 (delta 53), reused 88 (delta 36), pack-reused 114
Receiving objects: 100% (229/229), 52.37 KiB | 17.46 MiB/s
, done.
Resolving deltas: 100% (101/101), done.
newuser@vm2:~$ ls
azproject
newuser@vm2:~$ cd azproject/
newuser@vm2:~/azproject$ ls
README.md config.py index.html vm1.sh ✓
app.py error.html templates vm2.sh ✓
newuser@vm2:~/azproject$
```

```
newuser@vm3: ~/azproject
remote: Counting objects: 100% (115/115), done.
remote: Compressing objects: 100% (77/77), done.
remote: Total 229 (delta 53), reused 88 (delta 36), pack-reused 114
Receiving objects: 100% (229/229), 52.37 KiB | 5.24 MiB/s
, done.
Resolving deltas: 100% (101/101), done.
newuser@vm3:~$ ls
azproject
newuser@vm3:~$ cd azproject/
newuser@vm3:~/azproject$ ls
README.md config.py index.html vm1.sh ✓
app.py error.html templates vm2.sh ✓
newuser@vm3:~/azproject$
```

```
newuser@vm4: ~/azproject
remote: Counting objects: 100% (115/115), done.
remote: Compressing objects: 100% (77/77), done.
remote: Total 229 (delta 53), reused 88 (delta 36), pack-reused 114
Receiving objects: 100% (229/229), 52.37 KiB | 8.73 MiB/s
, done.
Resolving deltas: 100% (101/101), done.
newuser@vm4:~$ ls
azproject
newuser@vm4:~$ cd azproject/
newuser@vm4:~/azproject$ ls
README.md config.py index.html vm1.sh ✓
app.py error.html templates vm2.sh ✓
newuser@vm4:~/azproject$
```



28°C Mostly clear 21:48  
11-07-2023 ENG 1

```
newuser@vm1: ~/azproject
Cloning into 'azproject'...
remote: Enumerating objects: 229, done.
remote: Counting objects: 100% (115/115), done.
remote: Compressing objects: 100% (77/77), done.
remote: Total 229 (delta 53), reused 88 (delta 36), pack-reused 114
Receiving objects: 100% (229/229), 52.37 KiB | 17.46 MiB/s
, done.
Resolving deltas: 100% (101/101), done.
newuser@vm1:~$ ls
azproject
newuser@vm1:~$ cd azproject/
newuser@vm1:~/azproject$ ls
README.md config.py index.html vm1.sh
app.py error.html templates vm2.sh
newuser@vm1:~/azproject$ ./vm1.sh
```

```
newuser@vm2: ~/azproject
Cloning into 'azproject'...
remote: Enumerating objects: 229, done.
remote: Counting objects: 100% (115/115), done.
remote: Compressing objects: 100% (77/77), done.
remote: Total 229 (delta 53), reused 88 (delta 36), pack-reused 114
Receiving objects: 100% (229/229), 52.37 KiB | 17.46 MiB/s
, done.
Resolving deltas: 100% (101/101), done.
newuser@vm2:~$ ls
azproject
newuser@vm2:~$ cd azproject/
newuser@vm2:~/azproject$ ls
README.md config.py index.html vm1.sh
app.py error.html templates vm2.sh
newuser@vm2:~/azproject$ ./vm2.sh
```

```
newuser@vm3: ~/azproject
remote: Counting objects: 100% (115/115), done.
remote: Compressing objects: 100% (77/77), done.
remote: Total 229 (delta 53), reused 88 (delta 36), pack-reused 114
Receiving objects: 100% (229/229), 52.37 KiB | 5.24 MiB/s
, done.
Resolving deltas: 100% (101/101), done.
newuser@vm3:~$ ls
azproject
newuser@vm3:~$ cd azproject/
newuser@vm3:~/azproject$ ls
README.md config.py index.html vm1.sh
app.py error.html templates vm2.sh
newuser@vm3:~/azproject$ ./vm1.sh
```

```
newuser@vm4: ~/azproject
remote: Counting objects: 100% (115/115), done.
remote: Compressing objects: 100% (77/77), done.
remote: Total 229 (delta 53), reused 88 (delta 36), pack-reused 114
Receiving objects: 100% (229/229), 52.37 KiB | 8.73 MiB/s
, done.
Resolving deltas: 100% (101/101), done.
newuser@vm4:~$ ls
azproject
newuser@vm4:~$ cd azproject/
newuser@vm4:~/azproject$ ls
README.md config.py index.html vm1.sh
app.py error.html templates vm2.sh
newuser@vm4:~/azproject$ ./vm2.sh
```



28°C Mostly clear 21:50  
11-07-2023

```
newuser@vm1: ~/azproject
Attempting uninstall: Jinja2
  Found existing installation: Jinja2 2.10.1
  Not uninstalling jinja2 at /usr/lib/python3/dist-packages, outside environment /usr
    Can't uninstall 'Jinja2'. No files were found to uninstall.
Attempting uninstall: blinker
  Found existing installation: blinker 1.4
  Not uninstalling blinker at /usr/lib/python3/dist-packages, outside environment /usr
    Can't uninstall 'blinker'. No files were found to uninstall.
Successfully installed Jinja2-3.1.2 MarkupSafe-2.1.3 Werkzeug-2.3.6 blinker-1.6.2 click-8.1.4 flask-2.3.2 importlib-metadata-6.8.0 itsdangerous-2.1.2
newuser@vm1:~/azproject$ sudo nano config.py ✓
```

```
newuser@vm2: ~/azproject
Enabling conf charset.
Enabling conf localized-error-pages.
Enabling conf other-vhosts-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 → /lib/systemd/system/apache2.service.
Created symlink /etc/systemd/system/multi-user.target.wants/apache-htcacheclean.service → /lib/systemd/system/apache-htcacheclean.service.
Processing triggers for ufw (0.36-6ubuntu1) ...
Processing triggers for systemd (245.4-4ubuntu3.22) ...
Processing triggers for man-db (2.9.1-1) ...
Processing triggers for libc-bin (2.31-0ubuntu9.9) ...
newuser@vm2:~/azproject$
```

```
newuser@vm3: ~/azproject
Not uninstalling jinja2 at /usr/lib/python3/dist-packages, outside environment /usr
  Can't uninstall 'Jinja2'. No files were found to uninstall.
Attempting uninstall: click
  Found existing installation: Click 7.0
  Not uninstalling click at /usr/lib/python3/dist-packages, outside environment /usr
    Can't uninstall 'Click'. No files were found to uninstall.
Successfully installed Jinja2-3.1.2 MarkupSafe-2.1.3 Werkzeug-2.3.6 blinker-1.6.2 click-8.1.4 flask-2.3.2 importlib-metadata-6.8.0 itsdangerous-2.1.2
newuser@vm3:~/azproject$ sudo nano config.py ✓
```

```
newuser@vm4: ~/azproject
Enabling conf other-vhosts-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 → /lib/systemd/system/apache2.service.
Created symlink /etc/systemd/system/multi-user.target.wants/apache-htcacheclean.service → /lib/systemd/system/apache-htcacheclean.service.
Processing triggers for ufw (0.36-6ubuntu1) ...
Processing triggers for systemd (245.4-4ubuntu3.22) ...
Processing triggers for man-db (2.9.1-1) ...
Processing triggers for libc-bin (2.31-0ubuntu9.9) ...
newuser@vm4:~/azproject$
```



28°C Mostly clear 21:54  
11-07-2023 ENG 1

Microsoft Azure | Home > Storage accounts > capstoneaccount

Storage account | Access keys

key

Set rotation reminder Refresh Give feedback

Security + networking

Access keys

Encryption

Storage account name: capstoneaccount

key1 Rotate key

Last rotated: 7/11/2023 (0 days ago)

Key: zUWZqoLM7j4QNtE4I9+KII94FDa2UeGI0RNWWQ1mUckJIQD4MTYMiPOAQsdbz... Hide ✓

Connection string: ... Show

key2 Rotate key

Last rotated: 7/11/2023 (0 days ago)

Key: ..... Show

Connection string: ..... Show

```
newuser@vm1: ~/azproject
GNU nano 4.8          config.py          Modified
[DEFAULT]
# Account name
account =capstoneaccount ✓
# Azure Storage account access key
key =zUWZqoLM7j4QNtE4I9+KI194FDa2UeGI0RNWWQ1mUckJIQD4MTYM>
# Container name
container =upload

^G Get Help   ^O Write Out  ^W Where Is  ^K Cut Text
^X Exit      ^R Read File  ^\ Replace   ^U Paste Text
```

```
newuser@vm2: ~/azproject
Enabling conf charset.
Enabling conf localized-error-pages.
Enabling conf other-vhosts-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 → /lib/systemd/system/apache2.service.
Created symlink /etc/systemd/system/multi-user.target.wants/apache-htcacheclean.service → /lib/systemd/system/apache-htcacheclean.service.
Processing triggers for ufw (0.36-6ubuntu1) ...
Processing triggers for systemd (245.4-4ubuntu3.22) ...
Processing triggers for man-db (2.9.1-1) ...
Processing triggers for libc-bin (2.31-0ubuntu9.9) ...
newuser@vm2:~/azproject$
```

```
newuser@vm3: ~/azproject
GNU nano 4.8          config.py          Modified
[DEFAULT]
# Account name
account =capstoneaccount ✓
# Azure Storage account access key
key =zUWZqoLM7j4QNtE4I9+KI194FDa2UeGI0RNWWQ1mUckJIQD4MTYM>
# Container name
container =upload

^G Get Help   ^O Write Out  ^W Where Is  ^K Cut Text
^X Exit      ^R Read File  ^\ Replace   ^U Paste Text
```

```
newuser@vm4: ~/azproject
Enabling conf other-vhosts-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 → /lib/systemd/system/apache2.service.
Created symlink /etc/systemd/system/multi-user.target.wants/apache-htcacheclean.service → /lib/systemd/system/apache-htcacheclean.service.
Processing triggers for ufw (0.36-6ubuntu1) ...
Processing triggers for systemd (245.4-4ubuntu3.22) ...
Processing triggers for man-db (2.9.1-1) ...
Processing triggers for libc-bin (2.31-0ubuntu9.9) ...
newuser@vm4:~/azproject$
```

```
newuser@vm1: ~/azproject
Found existing installation: Jinja2 2.10.1
Not uninstalling jinja2 at /usr/lib/python3/dist-packages, outside environment /usr
Can't uninstall 'Jinja2'. No files were found to uninstall.
Attempting uninstall: blinker
Found existing installation: blinker 1.4
Not uninstalling blinker at /usr/lib/python3/dist-packages, outside environment /usr
Can't uninstall 'blinker'. No files were found to uninstall.
Successfully installed Jinja2-3.1.2 MarkupSafe-2.1.3 Werkzeug-2.3.6 blinker-1.6.2 click-8.1.4 flask-2.3.2 importlib-metadata-6.8.0 itsdangerous-2.1.2
newuser@vm1:~/azproject$ sudo nano config.py
newuser@vm1:~/azproject$ sudo python3 app.py
```

```
newuser@vm2: ~/azproject
Enabling conf charset.
Enabling conf localized-error-pages.
Enabling conf other-vhosts-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 → /lib/systemd/system/apache2.service.
Created symlink /etc/systemd/system/multi-user.target.wants/apache-htcacheclean.service → /lib/systemd/system/apache-htcacheclean.service.
Processing triggers for ufw (0.36-6ubuntu1) ...
Processing triggers for systemd (245.4-4ubuntu3.22) ...
Processing triggers for man-db (2.9.1-1) ...
Processing triggers for libc-bin (2.31-0ubuntu9.9) ...
newuser@vm2:~/azproject$
```

```
newuser@vm3: ~/azproject
ges, outside environment /usr
Can't uninstall 'Jinja2'. No files were found to uninstall.
Attempting uninstall: click
Found existing installation: Click 7.0
Not uninstalling click at /usr/lib/python3/dist-packages, outside environment /usr
Can't uninstall 'Click'. No files were found to uninstall.
Successfully installed Jinja2-3.1.2 MarkupSafe-2.1.3 Werkzeug-2.3.6 blinker-1.6.2 click-8.1.4 flask-2.3.2 importlib-metadata-6.8.0 itsdangerous-2.1.2
newuser@vm3:~/azproject$ sudo nano config.py
newuser@vm3:~/azproject$ sudo python3 app.py
```

```
newuser@vm4: ~/azproject
Enabling conf other-vhosts-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 → /lib/systemd/system/apache2.service.
Created symlink /etc/systemd/system/multi-user.target.wants/apache-htcacheclean.service → /lib/systemd/system/apache-htcacheclean.service.
Processing triggers for ufw (0.36-6ubuntu1) ...
Processing triggers for systemd (245.4-4ubuntu3.22) ...
Processing triggers for man-db (2.9.1-1) ...
Processing triggers for libc-bin (2.31-0ubuntu9.9) ...
newuser@vm4:~/azproject$
```



28°C Mostly clear 21:59  
11-07-2023 ENG 1

```
newuser@vm1: ~/azproject
eug-2.3.6 blinker-1.6.2 click-8.1.4 flask-2.3.2 importlib-
metadata-6.8.0 itsdangerous-2.1.2
newuser@vm1:~/azproject$ sudo nano config.py
newuser@vm1:~/azproject$ sudo python3 app.py
 * Serving Flask app 'app'
 * Debug mode: off
WARNING: This is a development server. Do not use it in a
production deployment. Use a production WSGI server instead.
 * Running on all addresses (0.0.0.0)
 * Running on http://127.0.0.1:80
 * Running on http://10.0.0.4:80
Press CTRL+C to quit
10.0.1.4 - - [11/Jul/2023 16:30:30] "GET / HTTP/1.1" 200 -
10.0.1.5 - - [11/Jul/2023 16:30:30] "GET / HTTP/1.1" 200 -
```

```
newuser@vm3: ~/azproject
 * Serving Flask app 'app'
 * Debug mode: off
WARNING: This is a development server. Do not use it in a
production deployment. Use a production WSGI server instead.
 * Running on all addresses (0.0.0.0)
 * Running on http://127.0.0.1:80
 * Running on http://10.1.0.4:80
Press CTRL+C to quit
10.1.1.5 - - [11/Jul/2023 16:30:05] "GET / HTTP/1.1" 200 -
10.1.1.7 - - [11/Jul/2023 16:30:05] "GET / HTTP/1.1" 200 -
10.1.1.5 - - [11/Jul/2023 16:30:35] "GET / HTTP/1.1" 200 -
10.1.1.7 - - [11/Jul/2023 16:30:35] "GET / HTTP/1.1" 200 -
```

```
newuser@vm2: ~/azproject
Enabling conf charset.
Enabling conf localized-error-pages.
Enabling conf other-vhosts-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 → /lib/systemd/system/apache2.service.
Created symlink /etc/systemd/system/multi-user.target.wants/apache-htcacheclean.service → /lib/systemd/system/apache-htcacheclean.service.
Processing triggers for ufw (0.36-6ubuntu1) ...
Processing triggers for systemd (245.4-4ubuntu3.22) ...
Processing triggers for man-db (2.9.1-1) ...
Processing triggers for libc-bin (2.31-0ubuntu9.9) ...
newuser@vm2:~/azproject$
```

```
newuser@vm4: ~/azproject
Enabling conf other-vhosts-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 → /lib/systemd/system/apache2.service.
Created symlink /etc/systemd/system/multi-user.target.wants/apache-htcacheclean.service → /lib/systemd/system/apache-htcacheclean.service.
Processing triggers for ufw (0.36-6ubuntu1) ...
Processing triggers for systemd (245.4-4ubuntu3.22) ...
Processing triggers for man-db (2.9.1-1) ...
Processing triggers for libc-bin (2.31-0ubuntu9.9) ...
newuser@vm4:~/azproject$
```



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11-07-2023 ENG 1

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portal.azure.com/#@yaswanthkumard21@gmail.onmicrosoft.com/resource/subscriptions/c316ebcc-8547-48b4-8825-acd2dac7f486/resourceGroups/capstoneproject/providers/Micr...      

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

Home > Load balancing | Application Gateway > ag1 > ag1ip

## ag1ip | Configuration

Public IP address 

Search  Discard 

The assignment type of this public IP address must be Dynamic because it is associated to the IP configuration 'appGwPublicFrontendIpIPv4', in the application gateway 'ag1'.

IP address assignment  
Static

IP address  20.172.241.8

Idle timeout (minutes)  4

DNS name label (optional)  ag1dns   
.eastus.cloudapp.azure.com

You can use the IP address as your 'A' DNS record or DNS label as your 'CNAME' record. [Learn more about adding a custom domain to this IP address](#)

Alias record sets  
Create an alias record in Azure DNS. [Learn more](#)  Create alias record

Give feedback

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portal.azure.com/#@yaswanthkumard21@gmail.onmicrosoft.com/resource/subscriptions/c316ebcc-8547-48b4-8825-acd2dac7f486/resourceGroups/capstoneproject/providers/Micr...      

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

Home > Load balancing | Application Gateway > ag1

**ag1ip** Public IP address 

Search Overview Activity log Access control (IAM) Tags Settings Configuration Properties Locks Monitoring Insights Alerts Metrics Diagnostic settings Automation Tasks (preview) Export template

Associate Dissociate Delete Move Refresh Open in mobile

Essentials

Resource group (move)		:	capstoneproject		
SKU		:	Standard		
Location (move)	:	East US	Tier	:	Regional
Subscription (move)	:	Azure subscription 1	IP address	:	20.172.241.8
Subscription ID	:	c316ebcc-8547-48b4-8825-acd2dac7f486	DNS name	:	ag1dns.eastus.cloudapp.azure.com
			Associated to	:	ag1
			Virtual machine	:	-
			Routing preference	:	Microsoft network

Tags (edit) Click here to 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.](#)

 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.

Type here to search                  28°C Mostly clear ENG 22:04 11-07-2023 

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portal.azure.com/#@yaswanthkumard21@gmail.onmicrosoft.com/resource/subscriptions/c316ebcc-8547-48b4-8825-acd2dac7f486/resourceGroups/capstoneproject/providers/Micr...      

Gmail YouTube Maps Sample Avro File How to create a Da... google cloud stora... Read AVRO messag... Quickstart: stream... Handling Avro files... python - Adding a... Adding timestamp... Adding timestamp...

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

Home > Load balancing | Application Gateway > ag2 > ag2ip

## ag2ip | Configuration

Public IP address

Search Save Discard Refresh

The assignment type of this public IP address must be Dynamic because it is associated to the IP configuration 'appGwPublicFrontendIpIPv4', in the application gateway 'ag2'.

IP address assignment: Static

IP address: 104.40.87.64

Idle timeout (minutes): 4

DNS name label (optional): ag2dns 

.westus.cloudapp.azure.com

You can use the IP address as your 'A' DNS record or DNS label as your 'CNAME' record. [Learn more about adding a custom domain to this IP address](#)

Alias record sets

Create an alias record in Azure DNS. [Learn more](#)  Create alias record

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Microsoft Azure

Search resources, services, and docs (G+)

Home > Load balancing | Application Gateway > ag2 >

ag2ip Public IP address

Search

Associate Dissociate Delete Move Refresh Open in mobile

Overview JSON View

Essentials

Resource group ( <a href="#">move</a> )	: capstoneproject	SKU	: Standard
Location ( <a href="#">move</a> )	: West US	Tier	: Regional
Subscription ( <a href="#">move</a> )	: Azure subscription 1	IP address	: 104.40.87.64
Subscription ID	: c316ebcc-8547-48b4-8825-acd2dac7f486	DNS name	: ag2dns.westus.cloudapp.azure.com ✓
		Associated to	: ag2
		Virtual machine	: -
		Routing preference	: Microsoft network

Tags ([edit](#)) : Click here to 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](#).

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.

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

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

Home > Load balancing | Traffic Manager >

## Create Traffic Manager profile

Name \* capstoneprojecttmp .trafficmanager.net

Routing method Performance

Subscription \* Azure subscription 1

Resource group \* capstoneproject

Create new

Resource group location ⓘ East US

**Create** Automation options

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

Home > capstoneprojecttmp

## capstoneprojecttmp | Endpoints

Traffic Manager profile

Search

+ Add Refresh

Search endpoints

Name ↑↓	Status ↑↓	Monitor status ↑↓
No results.		

Overview Activity log Access control (IAM) Tags Diagnose and solve problems

Settings Configuration Real user measurements Traffic view Endpoints Properties Locks

Monitoring Alerts Metrics Diagnostic settings Logs

Add endpoint

capstoneprojecttmp

Type \* Azure endpoint

Name \* ep1

Enable Endpoint

Target resource type Public IP address

Public IP address \* ag1ip (20.172.241.8)

Custom Header settings Configure in this format, host:contoso.com,customheader:contoso

Do NOT input sensitive customer data in this field (i.e. APIKeys, Secrets, and Auth tokens etc.).

Health Checks Enable Health check will determine if traffic can be served to the endpoint.

Always serve traffic No health check will run. Traffic will be always served to the endpoint.

Add

Type here to search

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portal.azure.com/#@yaswanthkumard21@gmail.onmicrosoft.com/resource/subscriptions/c316ebcc-8547-48b4-8825-acd2dac7f486/resourcegroups/capstoneproject/providers/Microsoft...

Gmail YouTube Maps Sample Avro File How to create a Da... google cloud stora... Read AVRO messag... Quickstart: stream... Handling Avro files... python - Adding a... Adding timestamp...

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

Home > capstoneprojecttmp

## capstoneprojecttmp | Endpoints

Traffic Manager profile

Search

+ Add Refresh

Search endpoints

Name ↑↓	Status ↑↓	Monitor status ↑↓
ep1	Enabled	Checking endpoint

Type \* Azure endpoint

Name \* ep2

Enable Endpoint

Target resource type Public IP address

Public IP address \* ag2ip (104.40.87.64)

Custom Header settings Configure in this format, host:contoso.com,customheader:contoso

Do NOT input sensitive customer data in this field (i.e. APIKeys, Secrets, and Auth tokens etc.).

Health Checks  Enable Health check will determine if traffic can be served to the endpoint.

Always serve traffic No health check will run. Traffic will be always served to the endpoint.

Add

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portal.azure.com/#@yaswanthkumard21@gmail.onmicrosoft.com/resource/subscriptions/c316ebcc-8547-48b4-8825-acd2dac7f486/resourcegroups/capstoneproject/providers/Microsoft...

Gmail YouTube Maps Sample Avro File How to create a Da... google cloud stora... Read AVRO messag... Quickstart: stream... Handling Avro files... python - Adding a... Adding timestamp...

Microsoft Azure Search resources, services, and docs (G+) Home > capstoneprojecttmp Traffic Manager profile

Search Enable profile Disable profile Refresh Move Delete profile

Overview Activity log Access control (IAM) Tags Diagnose and solve problems

Resource group (move) : [capstoneproject](#) DNS name : <http://capstoneprojecttmp.trafficmanager.net> ✓

Status : Enabled Monitor status : Online ✓

Subscription (move) : [Azure subscription 1](#) Routing method : Performance

Subscription ID : c316ebcc-8547-48b4-8825-acd2dac7f486

Tags (edit) : [Click here to add tags](#)

Search endpoints

Name	Status	Monitor status	Type	Location
ep1	Enabled	Online	Azure endpoint	East US
ep2	Enabled	Online	Azure endpoint	West US

Configuration Real user measurements Traffic view Endpoints Properties Locks

Alerts Metrics Diagnostic settings Logs

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Not secure capstoneprojecttmp.trafficmanager.net

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Welcome to the Home Page.

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Gmail YouTube Maps Sample Avro File How to create a Da... google cloud stora... Read AVRO messag... Quickstart: stream... Handling Avro files... python - Adding a... Adding timestamp...

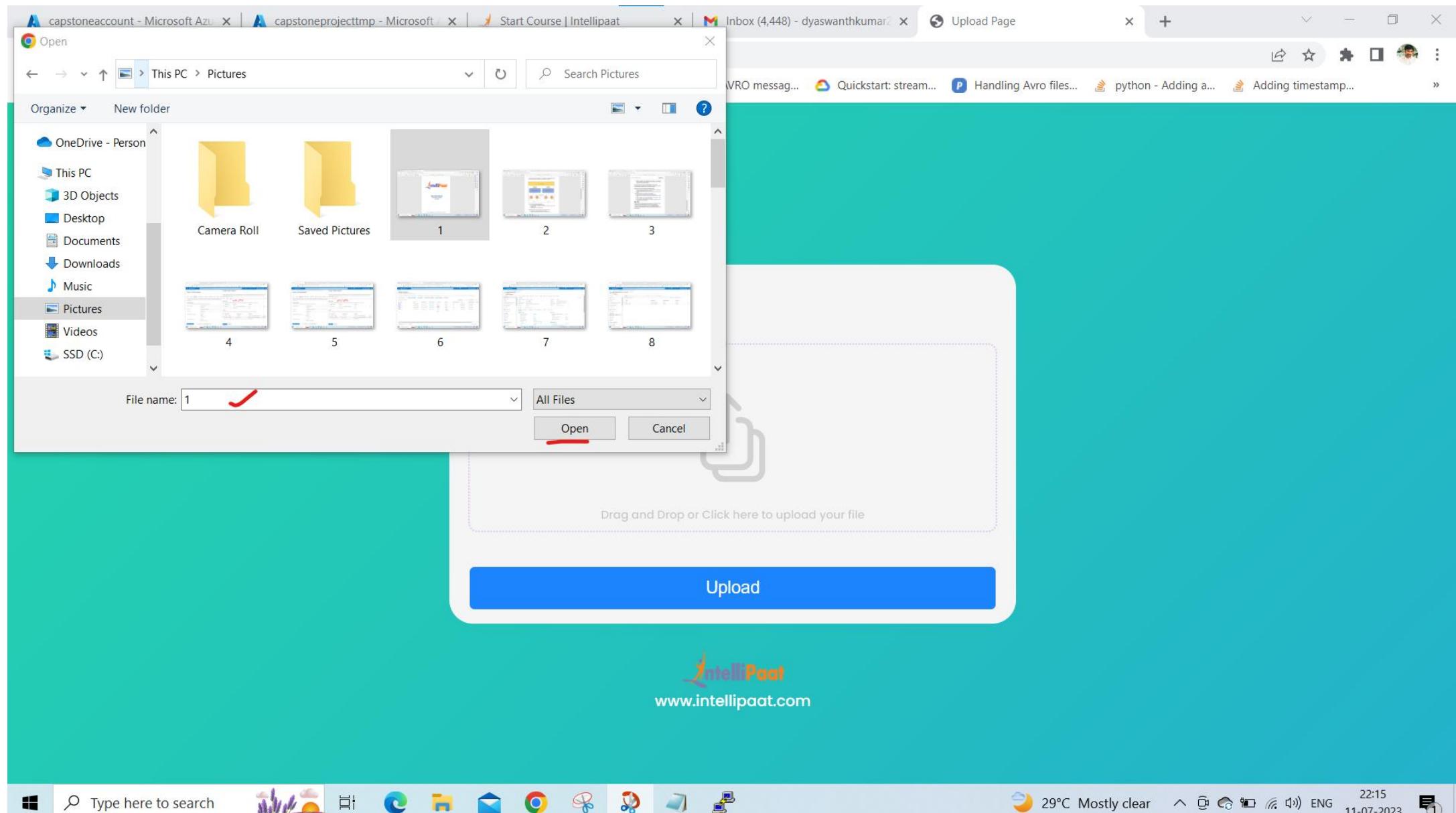
### Upload Your File Here

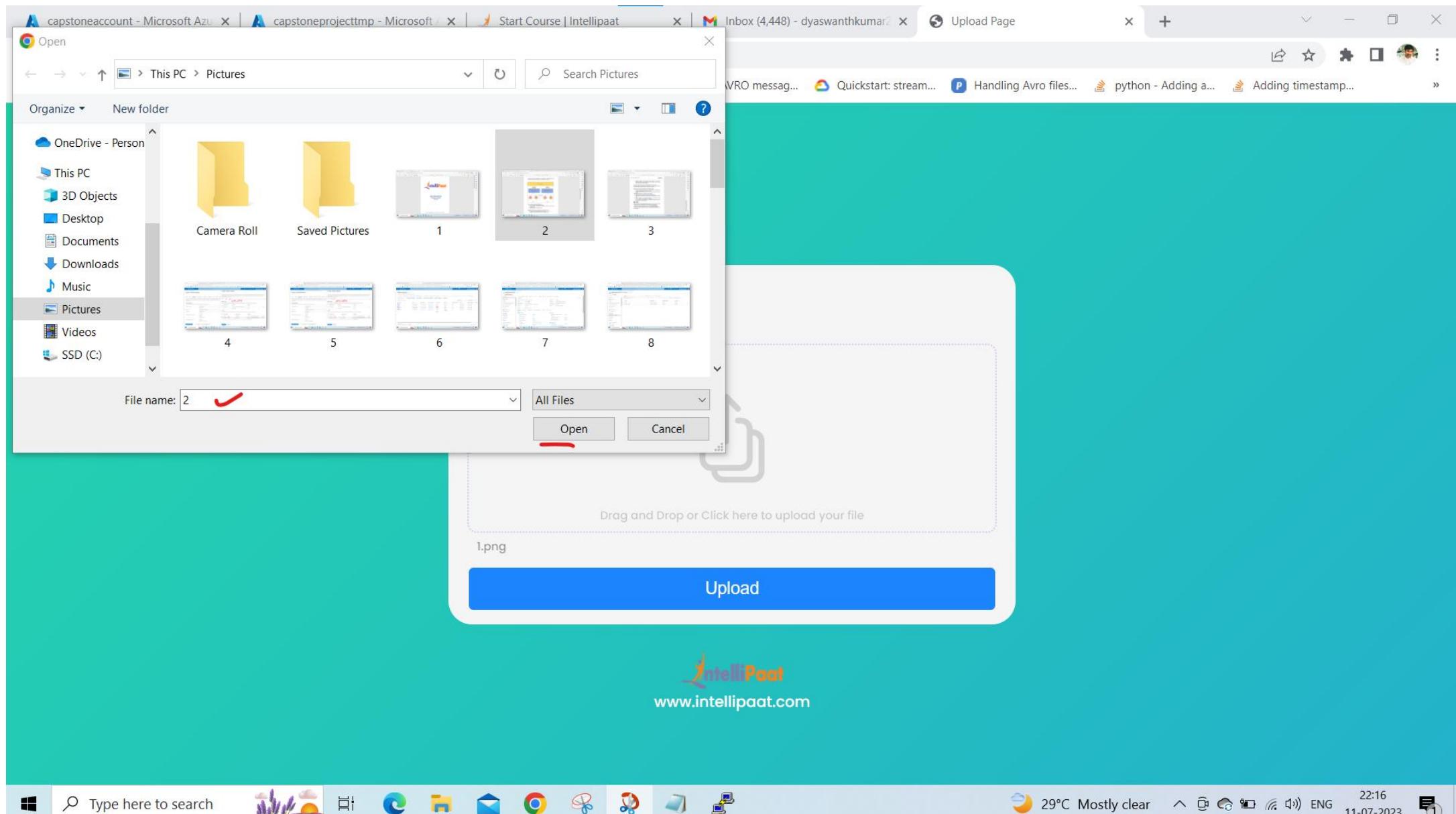
Drag and Drop or Click here to upload your file

Upload

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### Upload Your File Here

Drag and Drop or Click here to upload your file

1.png

Upload

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29°C Mostly clear 22:16 11-07-2023 ENG

The screenshot shows the Microsoft Azure Storage Accounts interface. The top navigation bar includes links for Microsoft Azure, capstoneprojecttmp - Microsoft, Start Course | Intellipaat, Inbox (4,448) - dyaswanthkumar, Upload Page, Gmail, YouTube, Maps, Sample Avro File, How to create a Da..., google cloud stora..., Read AVRO messag..., Quickstart: stream..., Handling Avro files..., python - Adding a..., Adding timestamp..., and a user profile for yaswanthkumard21@g... with the status DEFAULT DIRECTORY (YASWANT...). The main title is "Microsoft Azure". Below it, the breadcrumb navigation shows "Home > Storage accounts > capstoneaccount | Containers >". On the left sidebar, under "upload" (Container), there are links for Overview, Diagnose and solve problems, Access Control (IAM), Shared access tokens, Access policy, Properties, and Metadata. The "Overview" link is currently selected. The main content area displays a table of blobs. The table has columns: Name, Modified, Access tier, Archive status, Blob type, Size, and Lease state. Two files are listed: "1.png" and "2.png". Both files were modified on 7/11/2023 at different times (10:17:00 and 10:16:30). Both are in the "Hot (Inferred)" access tier. Both are "Block blob" types. Their sizes are 178.46 KiB and 269.11 KiB respectively. Both are in an "Available" lease state. Each file row has a red checkmark icon to its left. A "Show deleted blobs" toggle switch is visible below the table. At the bottom of the screen, the Windows taskbar shows the search bar, pinned icons for Edge, File Explorer, Mail, Chrome, File History, Task View, and File Explorer, and system status icons for battery, signal, and volume.