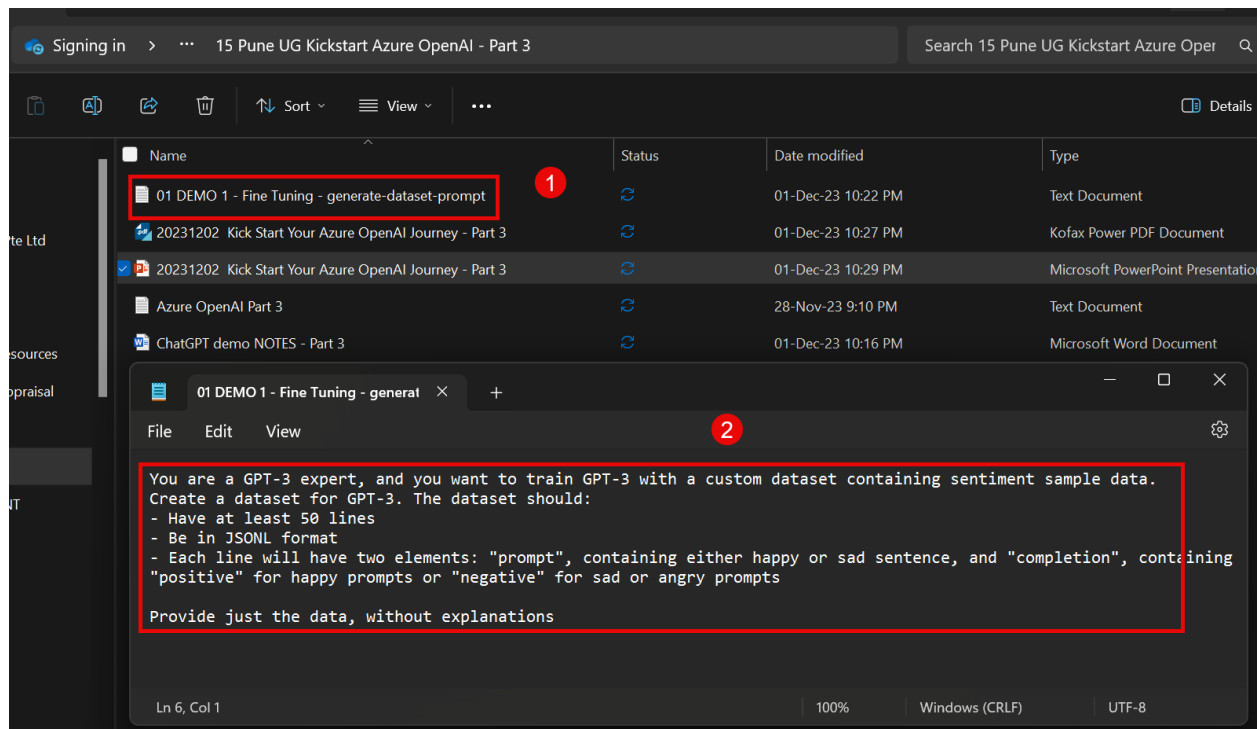


## Contents

Demo 1: Request Azure Open AI form Fine Tuning.....	1
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## Demo 1: Request Azure Open AI form Fine Tuning

### Use ChatGPT to create sample data



**You**

You are a GPT-3 expert, and you want to train GPT-3 with a custom dataset containing sentiment sample data.

Create a dataset for GPT-3. The dataset should:

- Have at least 50 lines
- Be in JSONL format
- Each line will have two elements: "prompt", containing either happy or sad sentence, and "completion", containing "positive" for happy prompts or "negative" for sad or angry prompts

Provide just the data, without explanations

**ChatGPT**

json

Copy code

```
{ "prompt": "I can't stop smiling when I think about it.", "completion": "positive" }
{ "prompt": "My heart is filled with joy right now.", "completion": "positive" }
{ "prompt": "The sun is shining, and I feel so alive.", "completion": "positive" }
{ "prompt": "Today was a great day, full of laughter and love.", "completion": "positive" }
{ "prompt": "I'm so grateful for the amazing people in my life.", "completion": "positive" }
{ "prompt": "Everything seems to be falling apart.", "completion": "negative" }
{ "prompt": "I feel so lonely and misunderstood.", "completion": "negative" }
{ "prompt": "The news is devastating, and it breaks my heart.", "completion": "negative" }
{ "prompt": "I can't shake off this overwhelming sadness.", "completion": "negative" }
{ "prompt": "Betrayal hurts more than I could have imagined.", "completion": "negative" }
{ "prompt": "I'm furious about the way things turned out.", "completion": "negative" }
{ "prompt": "Life feels like an endless struggle.", "completion": "negative" }
{ "prompt": "I'm so disappointed in myself right now.", "completion": "negative" }
{ "prompt": "It's hard to find any hope in this situation.", "completion": "negative" }
{ "prompt": "I can't believe this is happening to me.", "completion": "negative" }
{ "prompt": "I feel so angry, and I don't know what to do.", "completion": "negative" }
{ "prompt": "This is the worst day of my life.", "completion": "negative" }
```

## Creating Custom Model (use powerplatformopenai123sgp)

The screenshot displays the Azure OpenAI Studio interface. The left sidebar contains navigation options: Azure OpenAI, Playground, Chat, Completions, DALL·E (Preview), Management, Deployments, **Models** (highlighted with a red box and labeled 2), Data files, Quotas, and Content filters (Preview). The main content area is titled 'Models' and includes a description of Azure OpenAI models. Below the description, there is a 'Base models' section with a table of available models. A red box highlights the 'Create a custom model' button (labeled 3) in the top left of the models section. A red circle with the number 1 is located near the browser tab.

**Base models**

Model name	Model version	Created at	Status	Deploya...
gpt-35-turbo	0613	6/19/2023 8:00 AM	Succeeded	Yes
gpt-35-turbo-16k	0613	6/19/2023 8:00 AM	Succeeded	Yes
gpt-4	0613	6/19/2023 8:00 AM	Succeeded	Yes
gpt-4	1106-Preview	11/15/2023 8:00 AM	Succeeded	Yes
gpt-4-32k	0613	6/19/2023 8:00 AM	Succeeded	Yes
text-embedding-ada-002	2	4/3/2023 8:00 AM	Succeeded	Yes

## Warning

Create a custom model

×

● Base model

○ Training data

○ Validation data

○ Advanced options

○ Review

Base model

Every fine-tuned model starts from a base model which influences both the performance of the model and the cost of running your custom model.  
[Learn more about each base model](#)

Base model type

▼

Fine tuning is currently unavailable in this region due to capacity constraints. Please use a resource in a region which supports fine-tune of the Azure OpenAI model. [Learn more](#)

Model suffix

Optionally add a suffix to the custom model for easier identification

Next

Cancel

EAST US 2 not support fine tuning

Create new instance in different region (west- Europe)



## Models

Azure OpenAI is powered by models with different capabilities and price points. Deploy a custom model to your specific use case and data for better performance and more accuracy. [Learn more about the different types of base models](#)

### Base models

Deploy

Create a custom model

Column options

Refresh

Model name ▾

Model version ▾

gpt-35-turbo

0301

text-embedding-ada-002

2

whisper

001

Azure OpenAI

### Playground

Chat

Completions

DALL-E (Preview)

### Management

Deployments

Models

Data files

Quotas

Content filters (Preview)

## Create a custom model



☒ Base model

☐ Training data

☐ Validation data

☐ Advanced options

☐ Review

### Base model

Every fine-tuned model starts from a base model which influences both the performance of the model and the cost of running your custom model.

[Learn more about each base model](#)

Base model type

ada

Model suffix

\_sentiment

Next

Cancel

# Create Azure OpenAI ...

- 1 Basics 2 Network 3 Tags 4 Review + submit

Enable new business solutions with OpenAI's language generation capabilities powered by GPT-3 models. These models have been pretrained with trillions of words and can easily adapt to your scenario with a few short examples provided at inference. Apply them to numerous scenarios, from summarization to content and code generation.

[Learn more](#)

## Project Details

Subscription \* ⓘ Visual Studio Enterprise Subscription

Resource group \* ⓘ Aroh-MVP  
[Create new](#)

## Instance Details

Region ⓘ West Europe

Name \* ⓘ aroh-westeuope

Pricing tier \* ⓘ Standard S0

Previous

Next

## Training data

## Create a custom model



- ☒ Base model
- ☒ Training data
- ☐ Validation data
- ☐ Advanced options
- ☐ Review

### Training data

Select a training dataset to use when customizing your model. Training data must be in a .jsonl file and should consist of several hundred prompt/completion pairs.

[Learn more about preparing your data for Azure OpenAI](#)

Choose dataset

**Local file**

Azure blob or other shared web locations



Drag and drop.

[Browse for a file](#)

.jsonl (<100MB, UTF-8 BOM text file)

[Learn more about data requirements](#)

Upload file

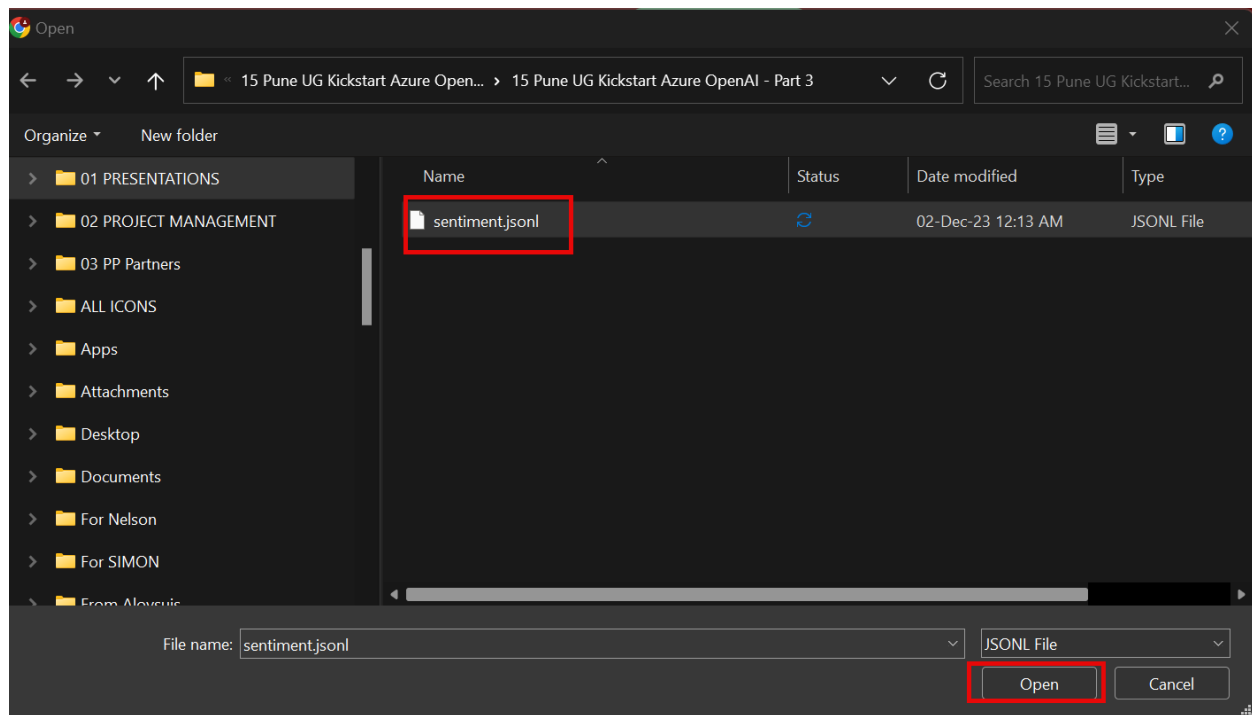
Cancel

Back

Next

Cancel





## Create a custom model



- ☒ Base model
- ☒ Training data
- ☐ Validation data
- ☐ Advanced options
- ☐ Review

### Training data

Select a training dataset to use when customizing your model. Training data must be in a .jsonl file and should consist of several hundred prompt/completion pairs.

[Learn more about preparing your data for Azure OpenAI](#)

Choose dataset   **Local file**   Azure blob or other shared web locations



Drag and drop.

[Browse for a file](#)

.jsonl (<100MB, UTF-8 BOM text file)

✓ Selected file for upload: sentiment.jsonl

[Learn more about data requirements](#)

**Upload file**

Cancel

Back

Next

Cancel

## Create a custom model



☒ Base model

☒ Training data

☐ Validation data

☐ Advanced options

☐ Review

### Training data

Select a training dataset to use when customizing your model. Training data must be in a .jsonl file and should consist of several hundred prompt/completion pairs.

[Learn more about preparing your data for Azure OpenAI](#)

**Selected training file:** sentiment.jsonl

**Choose dataset**

Local file

Azure blob or other shared web locations

Training File

☒ sentiment.jsonl

Back

Next

Cancel

## Create a custom model




- ✓ Base model
- ✓ Training data
- ✓ Validation data
- Advanced options
- Review

### Advanced options

You can set additional parameters by selecting the advanced option below. These parameters will impact both the performance and training time of your job.

[Learn more about each base model](#) 

Number of epochs 

☒ Default ☐ Custom

Batch size 

☒ Default ☒ Custom

Learning rate multiplier: 

☒ Default ☐ Custom

Prompt loss weight 

☒ Default ☐ Custom

Back

Next

Cancel

## Create a custom model



- ✓ Base model
- ✓ Training data
- ✓ Validation data
- ✓ Advanced options
- Review

### Review

**Base model:** ada

**Training file:** sentiment.jsonl

**Validation file:** sentiment.jsonl

Back

Start Training job

Cancel

Azure AI Studio > Models

[Privacy & cookies](#)

## Models

Azure OpenAI is powered by models with different capabilities and price points. Deploy a custom model to your specific use case and data for better performance and more accuracy. [Learn more about the different types of base models](#)

Create a fine tuned model:  
Fine-tuning job: ft-89bc4dbb154042d881a8ea4360dfd95b is in progress.

Custom models Base models

Deploy Create a custom model Delete Column options Refresh

Search

Model name	M...	Cr...	Base model	Status	Deploya...	Training job ID
<a href="#">ft-89bc4dbb154042c</a>	1	12/2/202	ada	pending	⊗ No ⓘ	ft-89bc4dbb154042d881a8ea4360dfd95b

<<

Azure OpenAI

Playground

Chat

Completions

DALL-E (Preview)

Management

Deployments

**Models**

Data files

Azure AI Studio > Models

Models

Azure OpenAI is powered by models with different capabilities and price points. Deploy one of the provided base model custom model to your specific use case and data for better performance and more accurate results.  
[Learn more about the different types of base models](#)

Custom models

Base models

Deploy

Create a custom model

Delete

Column options

Refresh

	Model name	M...	Cr...	Base model	Status	Deploya...	Traini
✓	<b>ft-89bc4dbb154042c</b>	1	12/2/2023	ada	pending	⊗ No ⓘ	ft-89t

Azure AI | Azure OpenAI Studio

Deploy model

Delete

Refresh

<<

Azure OpenAI

Playground

Chat

Completions

DALL-E (Preview)

Management

Deployments

**Models**

Data files

Quotas

Content filters (Preview)

Training pending

Last updated at: 12/2/2023 12:18 AM

Training file: 9A60WTDvAAlqc+T9n7ti5ddZrRgGcJRdkcTo1B33spGk=

Base model: ada

**Download training file**

Training events

Event Date	Status
12/2/2023 12:18 AM	<b>Job enqueued. Waiting for jobs ahead to complete.</b>

Hyperparameters:

Number of epochs: 2

Batch size: 1

Azure AI | Azure OpenAI Studio

Azure OpenAI

Playground

Chat

Completions

DALL-E (Preview)

Management

Deployments

**Models**

Data files

Azure AI Studio > Models

Privacy & cookies

## Models

Azure OpenAI is powered by models with different capabilities and price points. Deploy one of the provided base models to try it out in [Playground](#) or train a custom model to your specific use case and data for better performance and more accurate results.

[Learn more about the different types of base models](#)

Custom models

Base models

Deploy

Create a custom model

Delete

Column options

Refresh

Search

Model name	M...	Cr...	Base model	Status	Deploya...	Training job ID
<a href="#">ada-ft-89bc4dbb154</a>	1	12/2/202	ada	<b>Succeeded</b>	Yes	ft-89bc4dbb154042d881a8ea4360dfd95b

## Use the model

Azure AI | Azure OpenAI Studio

Azure OpenAI

Playground

Chat

Completions

DALL-E (Preview)

Management

**Deployments**

Models

Data files

Quotas

Content filters (Preview)

Azure AI Studio > Deployments

## Deployments

Deployments provide endpoints to the Azure OpenAI base models, or your fine-tuned models, configured with setting moderation model, version handling, and deployment size. From this page, you can view your deployments, edit them,


**+ Create new deployment**

Edit deployment

Delete deployment

Column options

Refresh



# Deploy model



Set up a deployment to make API calls against a provided base model or a custom model. Finished deployments are available for use. Your deployment status will move to succeeded when the deployment is complete and ready for use.

Select a model ⓘ

Select a model



## Base models

gpt-35-turbo

text-embedding-ada-002

whisper

## Fine tuned

ada.ft-89bc4dbb154042d881a8ea4360dfd95b-\_sentiment

Create

Cancel



# Deploy model



Set up a deployment to make API calls against a provided base model or a custom model. Finished deployments are available for use. Your deployment status will move to succeeded when the deployment is complete and ready for use.

Select a model ⓘ

ada.ft-89bc4dbb154042d881a8ea4360dfd95b-\_sentiment



Model version ⓘ

Auto-update to default



\*

Deployment name ⓘ

sentiment

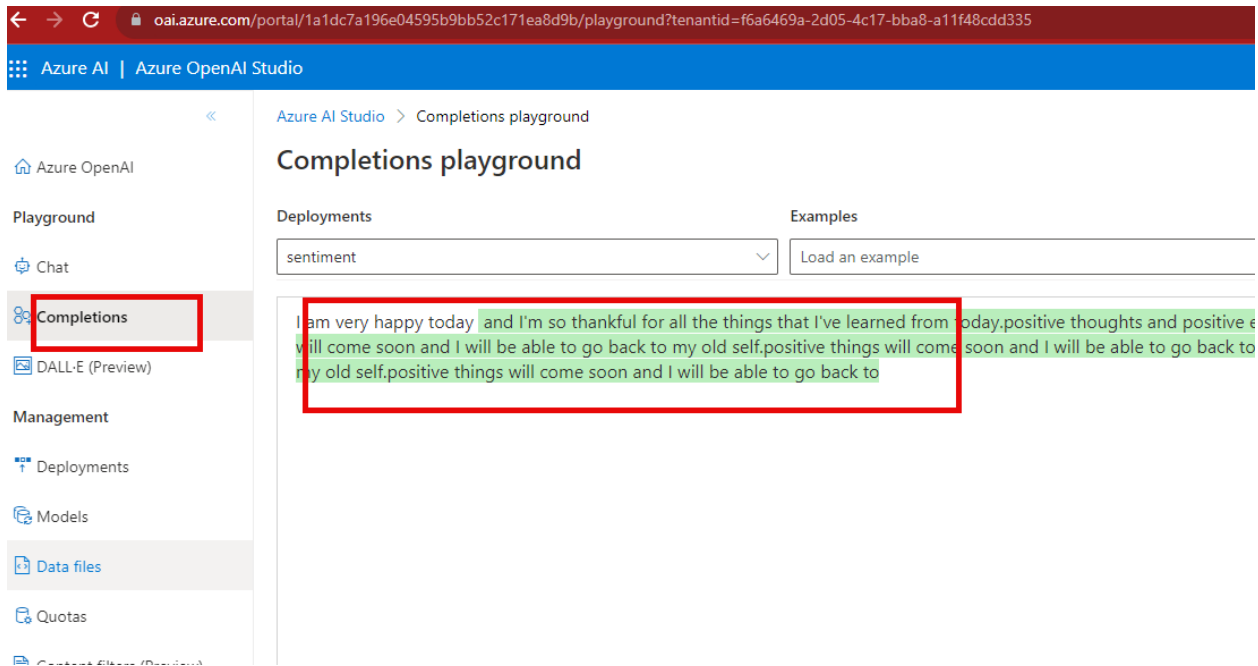
\*

⚙️ Advanced options >

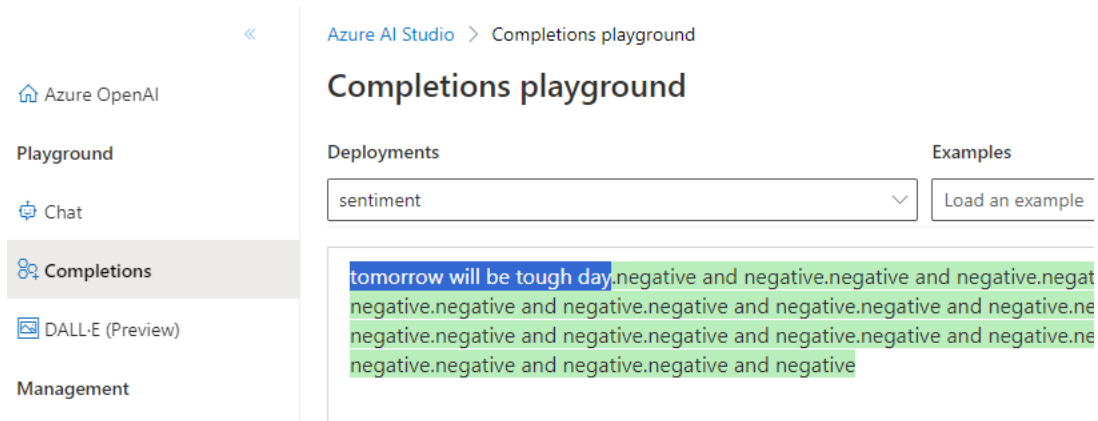
Create

Cancel

Positive – I am very happy today



Negative - tomorrow will be tough day



## DEMO 2: Azure OpenAI Playground How to secure Azure Open AI Service

## Create a new Azure VM

- Resource Group : Aroh-MVP

### Instance details

- Virtual machine name: **arohopenai-vm**
- Region: **(US) East US 2**
- Availability options: **Availability zone**
- Availability Zone: **Zone 1**
  
- Security Type : **Standard**
- Image: **Windows Server 2022 Datacenter: Azure Edition**
- VM Architecture: x64
- Size: **Standard\_B2s 2 VM**
- Admin Account
- Username: arohvmopenai
- Password: Arolakaar786

## Create a virtual machine ...



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](#)

## Project details

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

Subscription \*

Resource group \*  [Create new](#)

## Instance details

Virtual machine name \*

Region \*

Availability options

Availability zone \*

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

Security type

Image \*

[See all images](#) | [Configure VM generation](#)

☒ This image is compatible with additional security features. [Click here to swap to the Trusted launch security type.](#)

VM architecture ☐ Arm64 ☒ x64

☒ Arm64 is not supported with the selected image.

Run with Azure Spot discount ☐

Size \*

[See all sizes](#)

Enable Hibernation (preview) ☐

☒ To enable Hibernation, you must register your subscription. [Learn more](#)

## Administrator account

Username \*

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 \*

☒ All traffic from the internet will be blocked by default. You will be able to change inbound port rules in the VM > Networking page.

## Licensing

Save up to 49% with a license you already own using Azure Hybrid Benefit. [Learn more](#)

Would you like to use an existing Windows Server license? ☐

[Review Azure hybrid benefit compliance](#)

[Review + create](#)

&lt; Previous

Next : Disks &gt;

[Give feedback](#)

[Home](#) > [Virtual machines](#) >

## Create a virtual machine

✓ Validation passed

Basics   Disks   Networking   Management   Monitoring   Advanced   Tags   Review + create

**i** Cost given below is an estimate and not the final price. Please use [Pricing calculator](#) for all your pricing needs.

### Price

1 X Standard B2s  
by Microsoft  
[Terms of use](#) | [Privacy policy](#)

Subscription credits apply ⓘ  
**3.2670 INR/hr**  
[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.

**⚠ 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	Visual Studio Enterprise Subscription
Resource group	Aroh-MVP
Virtual machine name	arohopenai-vm
Region	East US 2
Availability options	Availability zone

Create

< Previous

Next >

[Download a template for automation](#)

## Review VM

Home > CreateVm-MicrosoftWindowsServer:WindowsServer-20231202102400 | Overview >

**arohopenai-vm** Virtual machine

Search << Connect Start Restart Stop Hibernate (preview) Capture Delete Refresh Open in mobile Feedback CLI / PS

Overview

- Activity log
- Access control (IAM)
- Tags
- Diagnose and solve problems
- Settings
  - Networking
  - Connect
  - Windows Admin Center

Essentials

Resource group (move) **Aroh-MVP**

Status Running

Location East US 2 (Zone 1)

Subscription (move) **Visual Studio Enterprise Subscription**

Subscription ID d258eaad-1d7f-4312-a7db-7bcfd0f2b12c

Availability zone 1

Tags (edit) **Add tags**

Operating system : Windows (Windows Server 2022 Datacenter) Azure I

Size : Standard B2s (2 vcpus, 4 GiB memory)

Public IP address : **172.206.16.231**

Virtual network/subnet : **ymarohwin10pro-vnet/default**

DNS name : **Not configured**

Health state : -

Properties Monitoring Capabilities (8) Recommendations Tutorials

We want to restrict only subnet be available for **our internal users**.

## User the same Azure OpenAI Instance

Home > Azure AI services

**Azure AI services | Azure OpenAI**

Search << + Create Manage deleted resources Manage view Refresh Export to CSV Open query Assign tags Delete

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

Showing 1 to 3 of 3 records. No gr

<input type="checkbox"/>	Name ↑↓	Kind ↑↓	Location ↑↓	Custom Domain Na... ↑↓	Pricing tier ↑↓
<input type="checkbox"/>	aroh-westeurope	OpenAI	West Europe	aroh-westeurope	S0
<input type="checkbox"/>	DalIESGPDemo	OpenAI	East US	dallesgpdemo	S0
<input type="checkbox"/>	powerplatformopenai123sgp	OpenAI	East US 2	powerplatformopen...	S0

## Configure Networking

## Networking tab: All networks

Home > Azure AI services | Azure OpenAI > powerplatformopenai123sgp

powerplatformopenai123sgp | Networking ☆ ...

Search

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

Resource Management

Keys and Endpoint  
Model deployments  
Encryption  
Pricing tier  
**Networking**  
Identity

Firewalls and virtual networks Private endpoint connections

Save Discard Refresh

Allow access from

☒ All networks ☐ Selected Networks and Private Endpoints ☐ Disabled

All networks, including the internet, can access this resource. [Learn more.](#)

Home > Azure AI services | Azure OpenAI > powerplatformopenai123sgp

powerplatformopenai123sgp | Networking ☆ ...

Search

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

Resource Management

Keys and Endpoint  
Model deployments  
Encryption  
Pricing tier  
**Networking**  
Identity  
Cost analysis

Firewalls and virtual networks **Private endpoint connections**

Save Discard Refresh

Access control settings allowing access to Azure AI services account will remain in effect for up to three months.

Allow access from

☐ All networks ☒ Selected Networks and Private Endpoints ☐ Disabled

Configure network security for your Azure AI services account. [Learn more.](#)

Virtual networks

Secure your Azure AI services account with virtual networks. [+ Add existing virtual network](#) [+ Add new virtual network](#)

Virtual Network	Subnet	Address range
No network selected.		

Firewall

Add IP ranges to allow access from the internet or your on-premises networks. [Learn more.](#)

Click on + Private Endpoint

Search

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

Resource Management

- Keys and Endpoint
- Model deployments
- Encryption
- Pricing tier
- Networking

Firewalls and virtual networks

Private endpoint connections

+ Private endpoint ✓ Approve ✕ Reject 🗑 Remove ↻ Refresh

Filter by name... All connection states

☐ Connection name Connection state

No results



## Create a private endpoint – Basics

### Create a private endpoint ...

1 Basics

2 Resource

3 Virtual Network

4 DNS

5 Tags

6 Review + create

Use private endpoints to privately connect to a service or resource. Your private endpoint must be in the same region as your virtual network, but can be in a different region from the private link resource that you are connecting to. [Learn more](#)

#### Project details

Subscription \* ⓘ

Visual Studio Enterprise Subscription

Resource group \* ⓘ

Aroh-MVP

[Create new](#)

#### Instance details

Name \*

azureopenai-endpoint

Network Interface Name \*

azureopenai-endpoint-nic

Region \*

East US 2

< Previous

Next : Resource >

## Create a private endpoint – Resource

[Home](#) > [powerplatformopenai123sgp](#) | [Networking](#) >

### Create a private endpoint ...

✓ Basics   **2 Resource**   3 Virtual Network   4 DNS   5 Tags   6 Review + create

Private Link offers options to create private endpoints for different Azure resources, like your private link service, a SQL server, or an Azure storage account. Select which resource you would like to connect to using this private endpoint. [Learn more](#)

Subscription   Visual Studio Enterprise Subscription (d258eaaad-1d7f-4312-a7db-7bcf0df2b12c)

Resource type   Microsoft.CognitiveServices/accounts

Resource   powerplatformopenai123sgp

Target sub-resource \* ⓘ   **account**

## Create a private endpoint – Virtual Network

[Home](#) > [powerplatformopenai123sgp](#) | [Networking](#) >

### Create a private endpoint ...

✓ Basics   ✓ Resource   **3 Virtual Network**   4 DNS   5 Tags   6 Review + create

#### Networking

To deploy the private endpoint, select a virtual network subnet. [Learn more](#)

Virtual network \* ⓘ   **vmrohwin10pro-vnet (Aroh-MVP)**

Subnet \* ⓘ   **default**

Network policy for private endpoints   Disabled ([edit](#))

#### Private IP configuration

- ☒ Dynamically allocate IP address  
☐ Statically allocate IP address

#### Application security group

Configure network security as a natural extension of an application's structure. ASG allows you to group virtual machines and define network security policies based on those groups. You can specify an application security group as the source or destination in an NSG security rule. [Learn more](#)

+ Create

Application security group

## Create a private endpoint – DNS

### Create a private endpoint ...

✓ Basics ✓ Resource ✓ Virtual Network **4 DNS** 5 Tags 6 Review + create

#### Private DNS integration

To connect privately with your private endpoint, you need a DNS record. We recommend that you integrate your private endpoint with a private DNS zone. You can also utilize your own DNS servers or create DNS records using the host files on your virtual machines. [Learn more](#)

Integrate with private DNS zone ☒ Yes ☐ No

Configuration name	Subscription	Resource group	Private DNS zone
privatelink-openai-azure-...	Visual Studio Enterpr...	Aroh-MVP	(new) privatelink.openai.a...

## Create a private endpoint – Tags

✓ Basics ✓ Resource ✓ Virtual Network ✓ DNS **5 Tags** 6 Review + create

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

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

Name ⓘ	Value ⓘ	Resource
Aroh	: Azure OpenAI Demo	All resources
Networking	: Private Endpoint	2 selected
		2 selected

# Create a private endpoint – Review & Create

[Home](#) > [powerplatformopenai123sgp1](#) > [Networking](#) >

Create a private endpoint ...

✓ Validation passed

Subscription

Resource group

Region

Name

Network Interface Name

Visual Studio Enterprise Subscription

Aroh-MVP

East US 2

azureopenai-endpoint

azureopenai-endpoint-nic

Resource

Subscription ID

Link type

Resource group

Resource

Target sub-resource

d258eaad-1d7f-4312-a7db-7bcf0df2b12c (Visual Studio Enterprise Subscriptio

Microsoft.CognitiveServices/accounts

Aroh-MVP

powerplatformopenai123sgp

account

Virtual Network

Virtual network resource group

Virtual network

Subnet

Network Policies

Application security groups

Aroh-MVP

vmaruhwin10pro-vnet

default

Disabled

None

DNS

Integrate with private DNS zone?

Statically allocate Private IP

Private DNS zone resource group

Private DNS zone

Yes

No

Aroh-MVP

privatelink.openai.azure.com

Tags

Create

< Previous

Next >

[Download a template for automation](#)

Home > **powerplatformopenai123sgp1** Networking >

## Create a private endpoint ...

✓ Validation passed

Subscription  
Resource group  
Region  
Name  
Network Interface Name

Visual Studio Enterprise Subscription  
Aroh-MVP  
East US 2  
azureopenai-endpoint  
azureopenai-endpoint-nic

### Resource

Subscription ID d258eaad-1d7f-4312-a7db-7bc0df2b12c (Visual Studio Enterprise Subscriptio  
Link type Microsoft.CognitiveServices/accounts  
Resource group Aroh-MVP  
Resource powerplatformopenai123sgp  
Target sub-resource account

### Virtual Network

Virtual network resource group Aroh-MVP  
Virtual network vmaruhwin10pro-vnet  
Subnet default  
Network Policies Disabled  
Application security groups None

### DNS

Integrate with private DNS zone? Yes  
Statically allocate Private IP No  
Private DNS zone resource group Aroh-MVP  
Private DNS zone privatelink.openai.azure.com

### Tags

Create

< Previous

Next >

[Download a template for automation](#)

## Private endpoint

The screenshot shows the Azure portal interface for a Private Endpoint resource named 'azureopenai-endpoint'. The breadcrumb navigation at the top reads: Home > Microsoft.PrivateEndpoint-20231202105339 | Overview >. The resource name 'azureopenai-endpoint' is highlighted with a red box and a red circle with the number 1. The left sidebar contains a search bar and a list of navigation options: Overview (selected), Activity log, Access control (IAM), Tags, Diagnose and solve problems, Settings, Application security groups, DNS configuration, and Brnpartiac. The main content area is divided into two sections. The 'Essentials' section on the left lists properties: Resource group (move) : Aroh-MVP, Location : East US 2, Subscription (move) : Visual Studio Enterprise Subscription, Subscription ID : d258eaad-1d7f-4312-a7db-7bcfd0f2b12c, Provisioning state : Succeeded (highlighted with a red circle with the number 2), and Tags (edit) : Aroh : Azure OpenAI Demo, Networking : Private Endpoint (highlighted with a red box). The right section displays details for the virtual network and network interface: Virtual network/subnet : ymarohwin10pro-vnet/default, Network interface : azureopenai-endpoint-nic (highlighted with a red circle with the number 3), Private link resource : powerplatformopenai123sgp (highlighted with a red box), Target sub-resource : account, Connection status : Approved, and Request/Response : Approved.

## 3 - Click on Private Resource

The screenshot shows the Azure portal interface for the Networking page of a resource named 'powerplatformopenai123sgp'. The breadcrumb navigation at the top reads: Home > Microsoft.PrivateEndpoint-20231202105339 | Overview > azureopenai-endpoint > powerplatformopenai123sgp. The resource name 'powerplatformopenai123sgp' is highlighted with a red box. The left sidebar contains a search bar and a list of navigation options: Overview, Activity log, Access control (IAM), Tags, Diagnose and solve problems, Resource Management, Keys and Endpoint, Model deployments, Encryption, Pricing tier, Networking (highlighted with a red box), Identity, and Cost analysis. The main content area is divided into two sections. The 'Firewalls and virtual networks' section on the left has a 'Private endpoint connections' link highlighted with a red box. The right section displays a warning message: 'This Azure AI services resource has associated private endpoints. By allowing access from all networks, the security provi'. Below the warning, there are three radio buttons for 'Allow access from': 'All networks' (selected), 'Selected Networks and Private Endpoints', and 'Disabled'. A link 'Learn more.' is provided below the radio buttons.

## Private endpoint connections

Home > Microsoft.PrivateEndpoint-20231202105339 | Overview > azureopenai-endpoint > powerplatformopenai123sgp

powerplatformopenai123sgp | Networking ☆ ...

Search

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

Resource Management  
Keys and Endpoint  
Model deployments  
Encryption  
Pricing tier  
Networking  
Identity

Firewalls and virtual networks Private endpoint connections

+ Private endpoint ✓ Approve ✕ Reject 🗑 Remove ↻ Refresh

⚠ Firewall settings allow access from all networks. The security provided by private endpoints will not be satisfied.

Filter by name... All connection states

Connection name	Connection state	Private endpoint	Description
✓ azureopenai-endpoint.33d62300-7043-4f6b...	Approved	azureopenai-endpoint	Approved

## Disable Firewall and virtual network

Home > Microsoft.PrivateEndpoint-20231202105339 | Overview > azureopenai-endpoint > powerplatformopenai123sgp

powerplatformopenai123sgp | Networking ☆ ...

Search

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

Resource Management  
Keys and Endpoint  
Model deployments  
Encryption  
Pricing tier  
Networking  
Identity  
Cost analysis

Firewalls and virtual networks Private endpoint connections

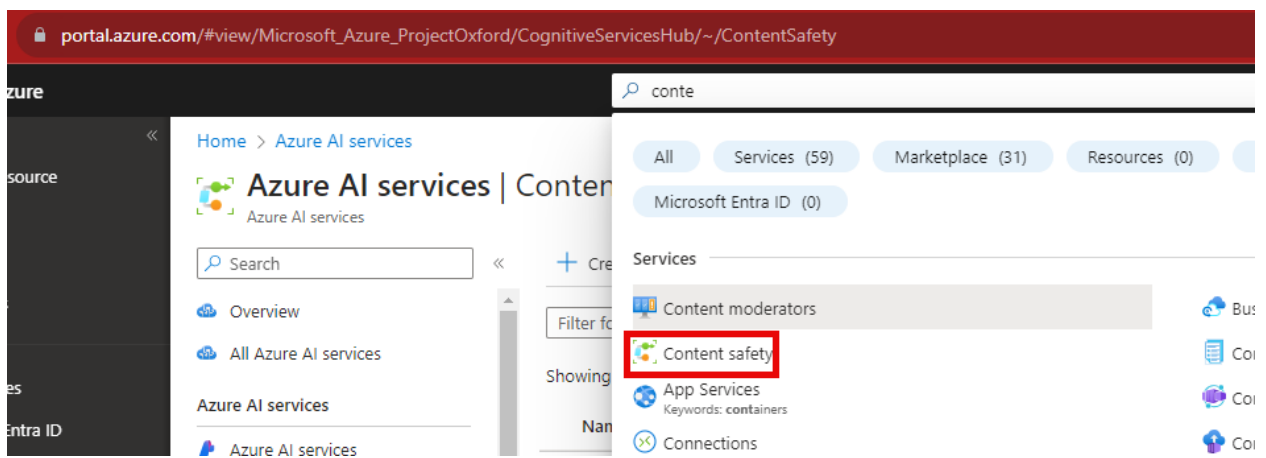
Save ✕ Discard ↻ Refresh

⚠ This Azure AI services resource has associated private endpoints. By allowing access from all networks, the security provided by private endpoints will not be satisfied.

Allow access from  
☒ All networks ☐ Selected Networks and Private Endpoints ☐ Disabled

All networks, including the internet, can access this resource. [Learn more.](#)

Save





## Create a new Content Safety instance

Home > Azure AI services


### Azure AI services | Content safety

Search

**+ Create** Manage deleted resources Manage view Refresh Export to CSV Open query Assign tags

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

Showing 0 to 0 of 0 records.

Name ↑↓	Kind ↑↓	Location ↑↓	Custom Domain Na..
<div><p><b>No content safety to display</b></p><p>Try changing or clearing your filters.</p><p><b>Create content safety</b></p><p><a href="#">Learn more</a></p></div>			

**Azure AI services**

- Overview
- All Azure AI services
- Azure AI services
- Azure OpenAI
- AI Search
- Computer vision
- Face API
- Custom vision
- Speech service
- Language service
- Translator
- Document intelligence
- Bot services

## Create Content Safety – Basics

Home > Azure AI services | Content safety >

### Create Content Safety

**Basics** Network Identity Tags Review + create

Machine learning assisted moderation APIs that detect material that is potentially offensive, risky, or otherwise undesirable, to assure the contents in community is safe.

[Learn more](#)

#### Project Details

Subscription \* ⓘ Visual Studio Enterprise Subscription

Resource group \* ⓘ Aroh-MVP

[Create new](#)

#### Instance Details

Region ⓘ Australia East

Name \* ⓘ contentsaferysgp123



Pricing tier \* ⓘ Free F0

[View full pricing details](#)

## Create Content Safety – Network

### Create Content Safety ...

Basics **Network** Identity Tags Review + create

 Configure network security for your Azure AI services resource. 

Type \*

- ☒ All networks, including the internet, can access this resource.
- ☐ Selected networks, configure network security for your Azure AI services resource.
- ☐ Disabled, no networks can access this resource. You could configure private endpoint connections that will be the exclusive way to access this resource.

## Create Content Safety – Identity

Basics Network **Identity** Tags Review + create

### System assigned managed identity

Enable system assigned identity to grant the resource access to other existing resources.

Status ⓘ ☐ Off ☒ On

### User assigned managed identity

Add user assigned identities to grant the resource access to other existing resources.

 Add  Remove

Name	↑↓	Resource group	↑↓	Subscription	↑↓
------	----	----------------	----	--------------	----

No user assigned managed identities assigned to this resource. Select 'Add' to add more.

# Create Content Safety – Tags

## Create Content Safety ...

Basics   Network   Identity   **Tags**   Review + create

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

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

Name ⓘ	Value ⓘ	Resource
Aroh	Content Safety	Azure AI service
		Azure AI service

## Create Content Safety – Review + Create

# Create Content Safety ...

- Basics
- Network
- Identity
- Tags
- Review + create

 [View automation template](#)

## 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.

## Basics

Subscription	Visual Studio Enterprise Subscription
Resource group	Aroh-MVP
Region	Australia East
Name	contentsaferysgp123
Pricing tier	Free F0

## Network

Type	All networks, including the internet, can access this resource.
------	---

## Identity

Identity type	SystemAssigned
---------------	----------------

## Tags

Aroh	Content Safety (Azure AI service)
------	-----------------------------------

- Previous
- Next
- Create

## Conent Safety - Instance

Home > Microsoft.CognitiveServicesContentSafety-20231202120517 | Overview >

**contentsaferysgp123** Content safety

Search << Delete

Overview

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

Resource Management

- Keys and Endpoint** 3
- Pricing tier
- Networking

Essentials

Resource group (move) : Aroh-MVP

Status : Active

Location : Australia East

Subscription (move) : Visual Studio Enterprise Subscription

Subscription ID : d258eaad-1d7f-4312-a7db-7bcfd0f2b12c

Tags (edit) : Aroh : Content Safety

API Kind : ContentSafety 1

Pricing tier : Free

Endpoint : https://contentsaferysgp123.cognitiveservices.azure.com/ 2

Manage keys : Click here to manage keys

Get Started Monitoring

Congratulations! Your key is ready.

Home > Microsoft.CognitiveServicesContentSafety-20231202120517 | Overview > contentsaferysgp123

**contentsaferysgp123 | Keys and Endpoint** ☆ ...

Content safety

Search << Regenerate Key1 Regenerate Key2

Overview

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

Resource Management

- Keys and Endpoint** 1
- Pricing tier
- Networking
- Identity
- Cost analysis
- Properties
- Locks

Monitoring

These keys are used to access your Azure AI service API. Do not share your keys. Store them securely—for example, using Azure Key Vault. We also recommend regenerating these keys regularly. Only one key is necessary to make an API call. When regenerating the first key, you can use the second key for continued access to the service.

Show Keys

KEY 1

KEY 2

Location/Region ①

australiaeast 2

Endpoint

https://contentsaferysgp123.cognitiveservices.azure.com/ 3

## Analyzing Text

Endpoint

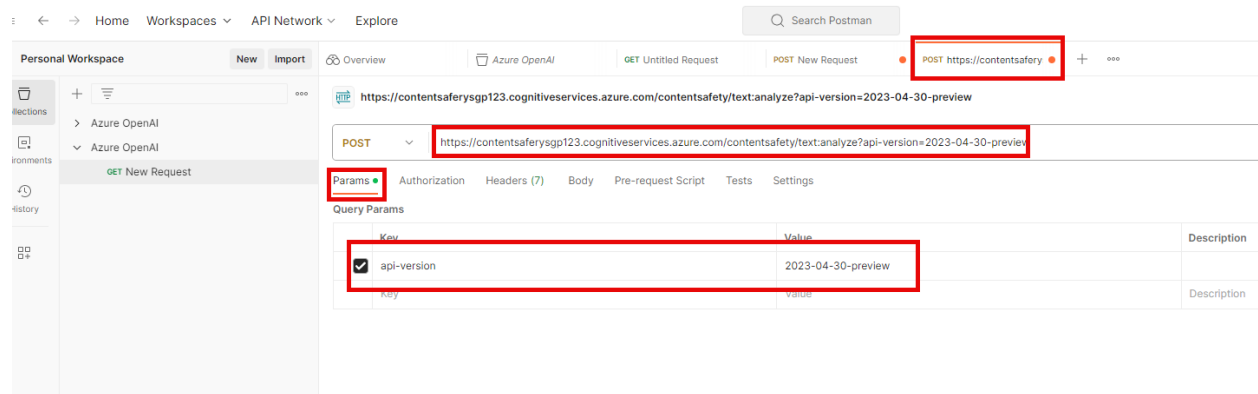
https://contentsaferysgp123.cognitiveservices.azure.com/

Key

7e7df51d4d5f446b8468744a372c5bc1

Postman

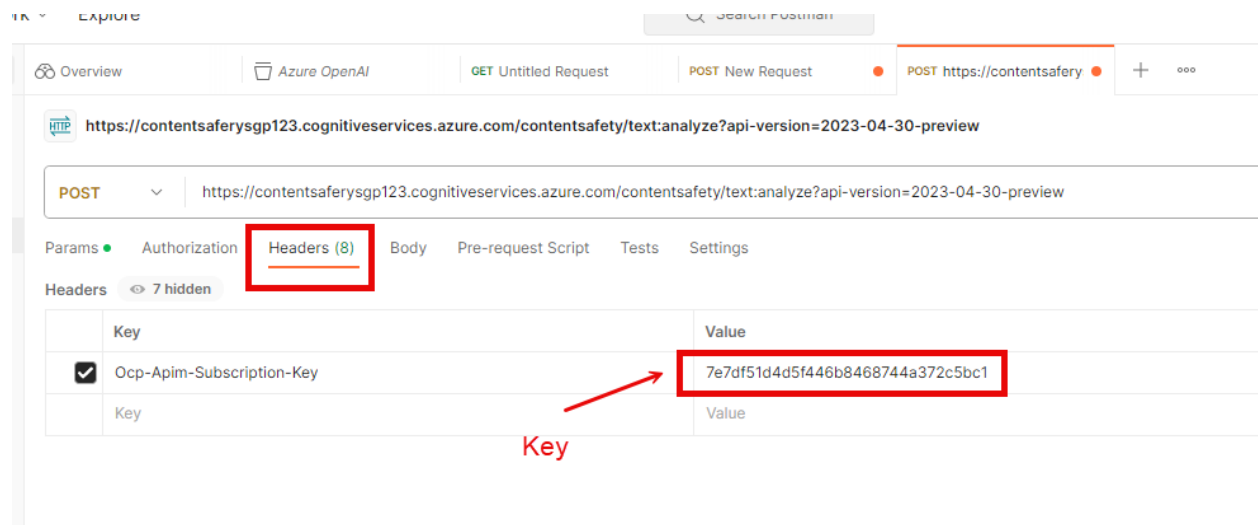
## Params



The screenshot shows the Postman interface with the 'Params' tab selected. The URL bar contains 'https://contentsaferysgp123.cognitiveservices.azure.com/contentsafety/text:analyze?api-version=2023-04-30-preview'. The 'Params' tab is highlighted with a red box. Below it, the 'Query Params' table is shown with a red box around the 'api-version' parameter.

Key	Value	Description
<input checked="" type="checkbox"/> api-version	2023-04-30-preview	
Key	Value	Description

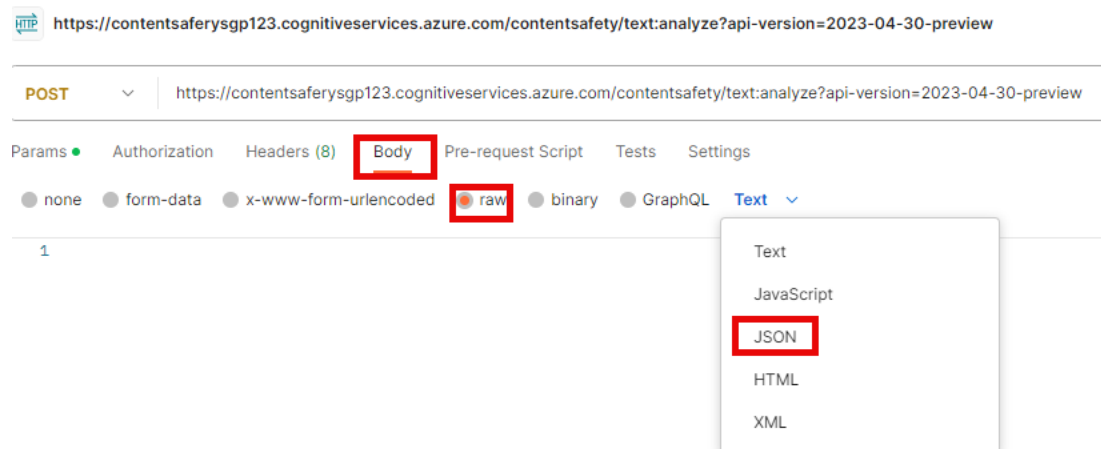
## Header



The screenshot shows the Postman interface with the 'Headers' tab selected. The URL bar contains 'https://contentsaferysgp123.cognitiveservices.azure.com/contentsafety/text:analyze?api-version=2023-04-30-preview'. The 'Headers' tab is highlighted with a red box. Below it, the 'Headers' table is shown with a red box around the 'Ocp-Apim-Subscription-Key' header. A red arrow points to the 'Key' column header.

Key	Value
<input checked="" type="checkbox"/> Ocp-Apim-Subscription-Key	7e7df51d4d5f446b8468744a372c5bc1
Key	Value

## Body

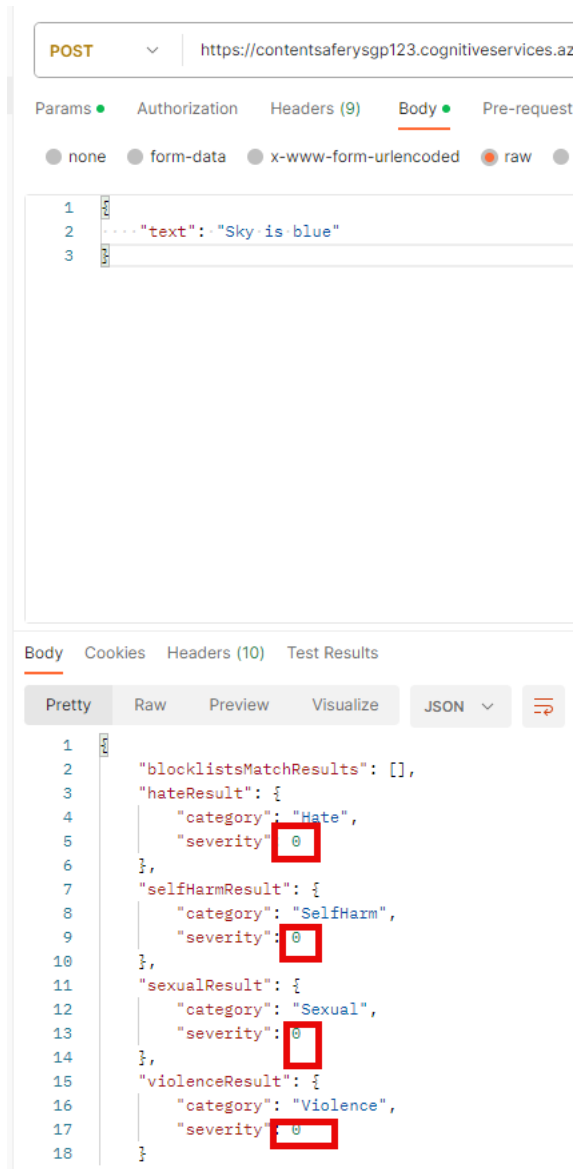
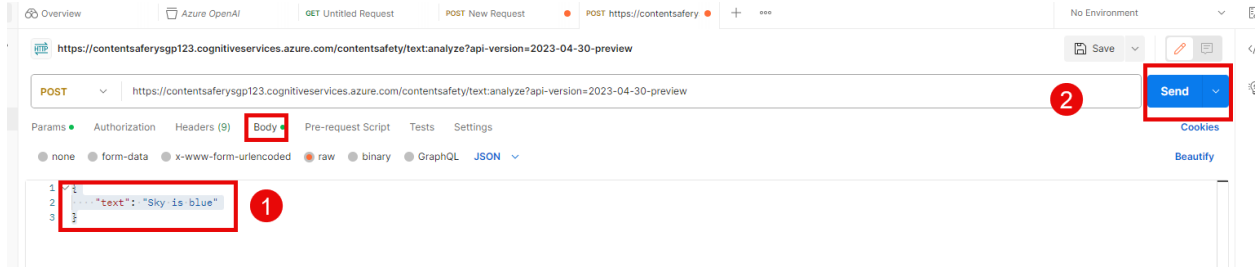


The screenshot shows the Postman interface with the 'Body' tab selected. The URL bar contains 'https://contentsaferysgp123.cognitiveservices.azure.com/contentsafety/text:analyze?api-version=2023-04-30-preview'. The 'Body' tab is highlighted with a red box. Below it, the 'Body' section shows the 'raw' radio button selected. A dropdown menu is open, showing the 'JSON' option highlighted with a red box.

1

- Text
- JavaScript
- JSON**
- HTML
- XML

```
{  
  "text": "Sky is blue"  
}
```



```
{  
  "text": "I want to kill this person"  
}
```

The screenshot displays a REST client interface. The top section shows a POST request to the endpoint `https://contentsaferysgp123.cognitiveservices.azure.com/contentsafety/text:analyze?api-...`. The request body is a JSON object: `{ "text": "I want to kill this person" }`, with the text value highlighted by a red box. The bottom section shows the response body in JSON format, with the `severity` value of `4` for the `violenceResult` highlighted by a red box.

```
{  
  "blocklistsMatchResults": [],  
  "hateResult": {  
    "category": "Hate",  
    "severity": 0  
  },  
  "selfHarmResult": {  
    "category": "SelfHarm",  
    "severity": 0  
  },  
  "sexualResult": {  
    "category": "Sexual",  
    "severity": 0  
  },  
  "violenceResult": {  
    "category": "Violence",  
    "severity": 4  
  }  
}
```

## Analyzing Images

Text moderation API endpoint



=====

<endpoint>/contentsafety/image:analyze?api-version=2023-04-30-preview

```
{  
  "image" {  
    "content": "<base64>"  
  }  
}
```

The screenshot displays the Azure OpenAI REST client interface. At the top, there are tabs for 'Overview', 'Azure OpenAI', 'GET Untitled Request', 'POST Text Content Safety', and 'POST Image Content Safety'. The 'POST Image Content Safety' tab is selected. Below the tabs, the URL bar shows the endpoint: `https://contentsaferysgp123.cognitiveservices.azure.com/contentsafety/image:analyze?api-version=2023-04-30-preview`. The 'Body' tab is selected, and the request body is shown in JSON format: `{ "image": { "content": "<base64>" } }`. The JSON is highlighted with a red box. The interface also shows options for 'Params', 'Authorization', 'Headers (8)', 'Pre-request Script', 'Tests', and 'Settings'. The 'Body' tab has a dropdown menu with options: 'none', 'form-data', 'x-www-form-urlencoded', 'raw', 'binary', 'GraphQL', and 'JSON'.

♥ Add to Fav

## Select Your Image and Convert

Upload Image



Base64 String

Size : 843.14 KB, 863348 chars

9/j/4AAQSkZ/RgABAQAAAQBAAD/2wBDAAMCAgICA  
gMCAgIDAwMDBAYEBAQEBAgGBgUGCQgKCgkICQkKDA  
ABMCGsOCwkJDRENDg8QEBEQCgwSExIQEw8QEBD/2w  
BDAQMDAwQDBAgEBAgQCwwLEBAQEBAQEBAQEBAQE  
BAQOEBAQw8EBAQOEBAAQw8EBAQOEBAAQw8EBAQOE  
BAQOEBAQw8EBAQOEBAAQw8EBAQOEBAAQw8EBAQOE

### HTML <img> code

Size : 843.14 KB, 863384 chars

```
<img  
src='data:image/jpeg;base64,/9j/4AAQSkZJRgABAQAA  
QABAAD/2wBDAAMCAglCAgMCAgIDAwMDBAYEBAQE  
BAGGBgUCGQKCQgkKDA8MCgsOCwkJDRENDg8Q  
EBEOCawSExIFeJ8QEFBD/2wBDAQOMDAwODBAgEBAQo
```

## Copy image and paste in Postman – Nature

The screenshot shows the Azure OpenAI Playground interface. The URL bar indicates a POST request to `https://contentsafetyferysp23.g23.conversations.azure.com/contentsafety/imageanalyze?api-version=2023-04-01-preview`. The 'Body' tab is selected, and the 'raw' and 'JSON' tabs are highlighted with red boxes. The request body is a JSON object with a 'content' field containing a long string of base64-encoded data. The 'raw' tab is selected, and the 'JSON' tab is also highlighted with a red box. The response is not visible in the screenshot.

POST https://contentsaferysgp123.cognitiveservices.azure.com/contentsafety/image:analyze?api-version=2023-0

Params Authorization Headers (9) Body Pre-request Script Tests Settings

none form-data x-www-form-urlencoded raw binary GraphQL JSON

```
1 {
2   ...."image": [
3     ...."content": "/9j/4AAQSkZJRgABAQAAQABAAQ/2wBDAAMCAgICAgMCAgIDAwMDBAYEBAQEBAgGBgUGCQgKCgkIC
      2wBDAQMDAwQDBAgEBAgQCwKLEBAQEBAQEBAQEBAQEBAQEBAQEBAQEBAQEBAQEBAQEBAQEBAQEBAQEBAQEBAQEBAQEBAQ
      xABTEAACAgIBAwMCBAQEBAQMDABsBAgMEBREGABIBxMxIkeIFFFHfSMycRZCgZEkM1KhCwKxFOlywdHwJYKS
      xAA7EQABBAEDAQYFBAIDAAICAQUBAAIDSEEEjFB8RMiUWFxgZGhsfAUMsHRI+EGQvEVM1JiJHIWQ5Ki/9oA
      GgC37A6I63D648pm9QPSyKtz0xTsZfFzU6qE6VAWMKKRKFd0S0bBh3Ix8MoYDrI+Uhxmbws0NFHwV7fbV1Q
      7eetE0uUZD1fH8dj8jDHbgYUUDWpkrxPNAYtRMWb5GkA8kgeCes826WMSqZbUsvvbeP2SD2LIG+o719yQQN/
      J1M1ciPyYw0eRVgtRLGQrkeddsfYQd+SPJPQpNqNWXH1cpJQqK0sHuMqMNHUGUsu/G9qd+2+l/zT1t3IZYw
      +OCNx8K0JsamWykt1o60ME1xh3lRpAye4B4+AB1SX4a9ijN+VRU7oBLNqQEPJ7xXag/GwR4H289FmZghp1Ea
      PX0J/A9n8vZ9F3w8N2rfqR2rlWPFy0EZ1JHeN0f6wwkPz5UgaPXz8sbwD8vLGie3vR8nfj5/b+379bP8A/D9
      +mtY8hyeVxwEuzcepe1M2MqrHCGSxt20RC9spBCkhiCvU1j1w4jx31qyvtvmn08JhuLXMMNYNiTJ4jL1la09T
      Vn034zw7gFvjVD1i46bmN2evefLWkKdiQPLLF3le1lKuEYMPJUeToEPZ0jM2oGpgFV+6ucC/YrzQYdPCdTx
      +yH6yzfv8a8q3hNSvhuZWbfoe0R4TH3u6rYyLSR8faNGMU01a0N17XAMEz57mA2AwPTU9MMhn8Txfi3pzN
      +kdwNR62Xj6ccpw9XiWSXE47MYlqnJo68EdmC33yuszNH9XnbsojULOIrgeQei9o6hKLy6W0qok5zfQdCfMK
      +Qzq2Lk9qSjZVI45Re8hq5Xxry+pD8Npx+m8cw/UKvwdi2F4GL9XkVSl3S4a2ldpP8AhpUUt7c7jMGEp72WRT
      +vGnGxvA0f8A9j5Y6X/FzQ2biqZqdcZxyGvCLDpDYvPCvuzBX1JGZVUsG+1QpJ0da346RbYfj2M5Z1sHyX0z
      TP1XK8NS5Z6YZLM0rGBqHG5yhHmGrJKHXVhUmB/wCW4MXhRpjs6+eltP21ou0Jv1moYGlndSRdA5pvJ8/JVd
```

Body Cookies Headers (10) Test Results

Pretty Raw Preview Visualize JSON

```
1 {
2   "hateResult": {
3     "category": "Hate",
4     "severity": 0
5   },
6   "selfHarmResult": {
7     "category": "SelfHarm",
8     "severity": 0
9   },
10  "sexualResult": {
11    "category": "Sexual",
12    "severity": 0
13  },
14  "violenceResult": {
15    "category": "Violence",
16    "severity": 0
17  }
18 }
```

Copy image and paste in Postman – Bullets

