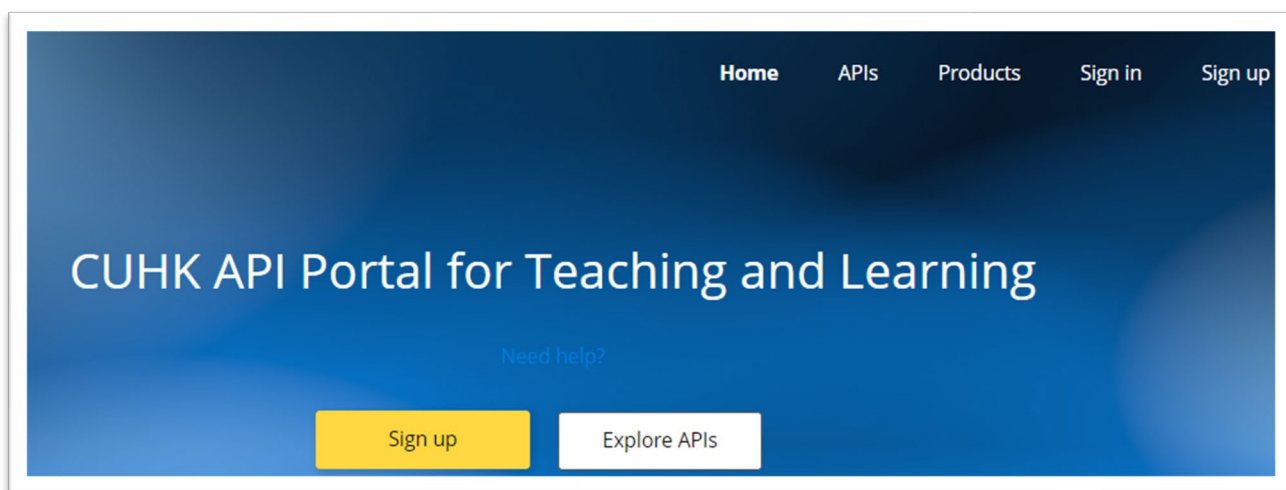


1 API KEY

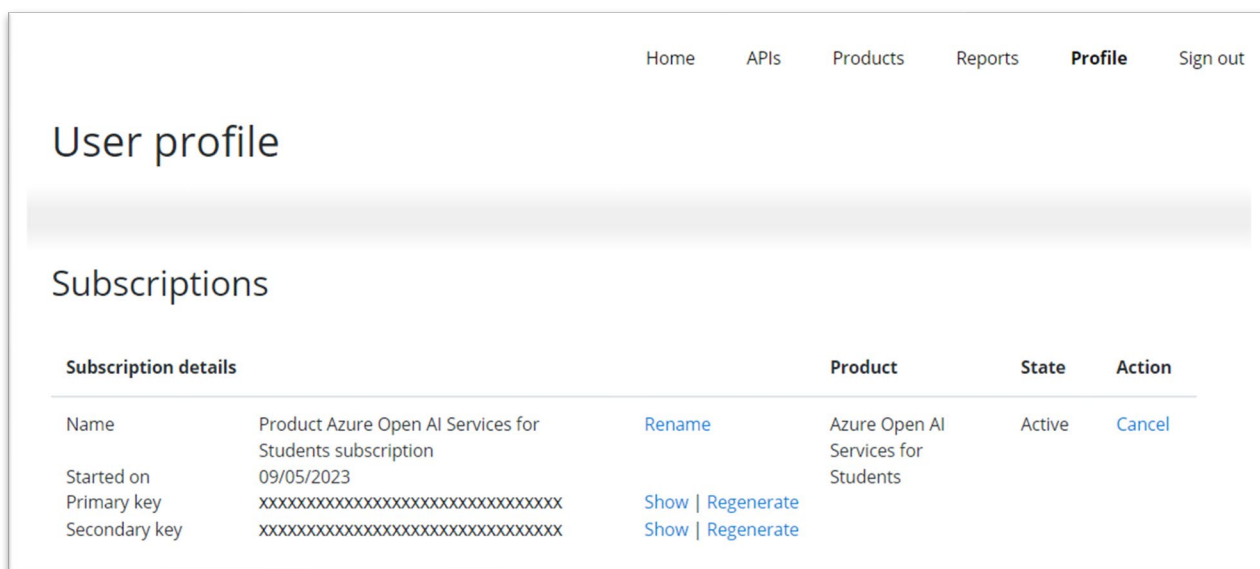
To control access to the Azure OpenAI models, this requires an API key. This key acts as a unique identifier for each user. Follow the instructions below to acquire your own API key. REMEMBER to keep your API key secure and do not share it with others, as it provides access to your account and usage.

1. Navigate to the Portal

Dev Instance URL: [Home - CUHK API Portal for Teaching and Learning \(azure-api.net\)](https://azure-api.net)



2. Sign up with alias@cuhk.edu.hk or StudentID@link.cuhk.edu.hk email address
3. Complete the Sign up process to activate the account
4. After account activation and successful sign in, navigate to the **Profile** page from top menu



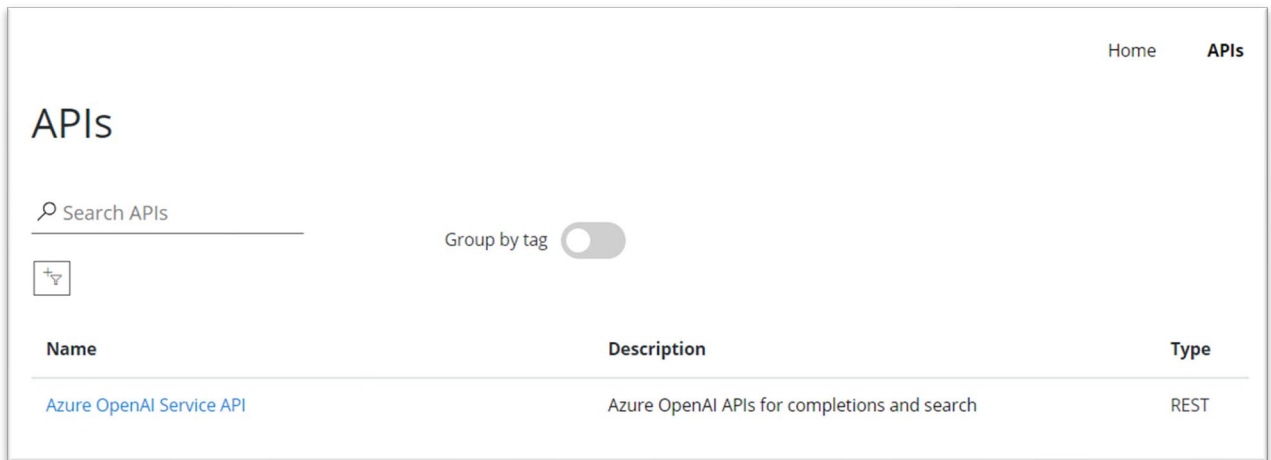
5. Click **Show** to display the hidden API key. Both Primary and Secondary keys will access the OpenAI API

2 API KEY VERIFICATION

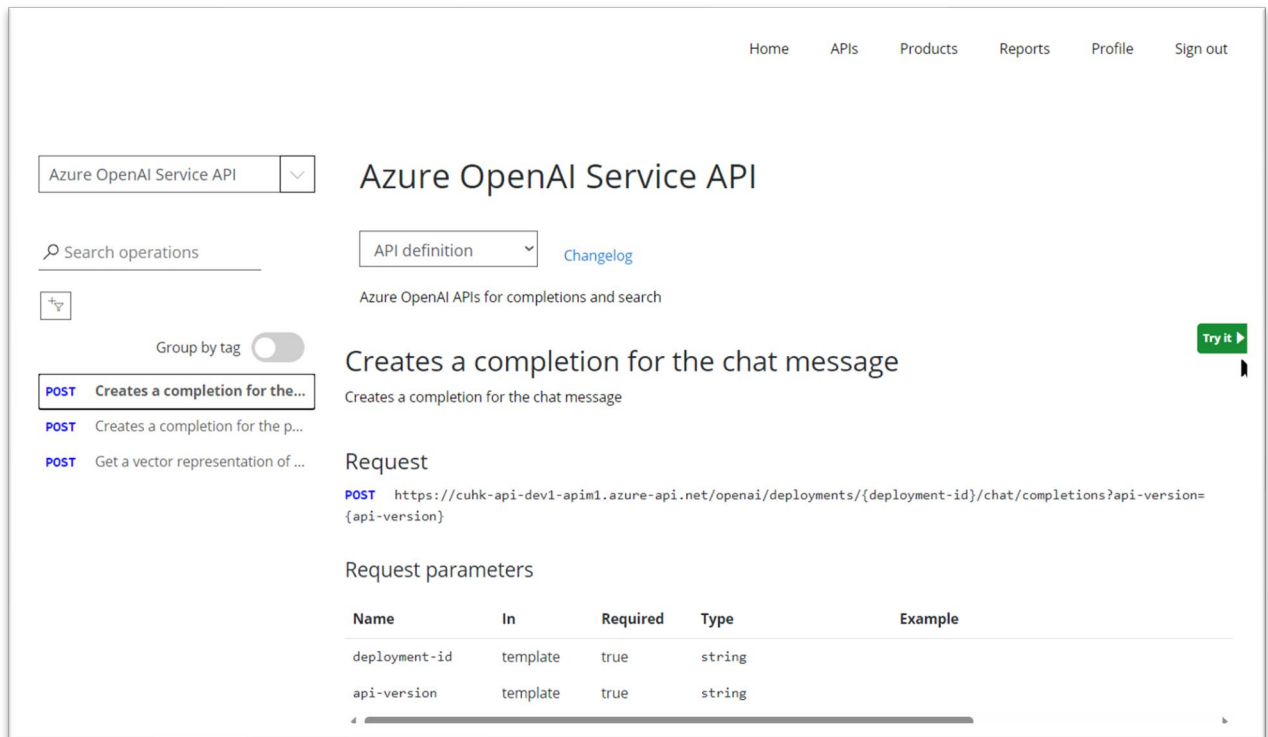
Verify API key access and try the API.

2.1 BROWSER - PORTAL

1. After successful sign in, navigate to the **APIs** page from top menu, click on **Azure OpenAI Service API**



2. **Select the API**, review the API doc, and click **Try it**



3. The **Headers** and the **Body** have been pre-filled. Input the following **Parameters**, scroll to the bottom, and click **Send**

deployment-id: `gpt-35-turbo`

api-version: `2023-05-15`

Azure OpenAI Service API

Azure OpenAI Service

Search operations

API definition [Changelog](#)

Azure OpenAI APIs for completions and search

Group by tag

POST Creates a completion for the...

POST Creates a completion for the p...

POST Get a vector representation of ...

Creates a completion for the chat message

Creates a completion for the chat message

Request

POST `https://cuhk-api-dev1-apim1.azure-apim.com/openai/deployments/{api-version}/chat/completions?api-version={api-version}`

Request parameters

Name	In	Required
deployment-id	template	true
api-version	template	true

Request body

application/json

Azure OpenAI Service API / Creates a completion for the chat message

POST `/deployments/{deployment-id}/chat/completions?api-version={api-version}`

Authorization

Subscription key: Primary: Product Azure Open /

Parameters

deployment-id: gpt-35-turbo

api-version: 2023-05-15

+ Add parameter

Headers

Content-Type: application/json

Cache-Control: no-cache

Ocp-Apim-Subscr:

HTTP request

HTTP

[Reveal secrets](#) [Copy](#)

```
POST https://cuhk-api-dev1-apim1.azure-api.net/openai/deployments/gpt-35-turbo/chat/completions?api-version=2023-05-15 HTTP/1.1
```

```
Content-Type: application/json
Cache-Control: no-cache
Ocp-Apim-Subscription-Key: .....
```

```
{
  "model": "gpt-35-turbo",
  "messages": [{
    "role": "user",
    "content": "Hello!"
  }]
}
```

Send

4. Review the HTTP response

```
HTTP response

HTTP/1.1 200 OK
anim-request-id: 5801e988-dfef-477e-a556-428e0e861da3
azureml-model-group: online
azureml-model-session: turbo-669058-2
cache-control: no-cache, must-revalidate
content-length: 312
content-type: application/json
date: Wed, 06 Sep 2023 06:15:27 GMT
openai-model: gpt-35-turbo
openai-processing-ms: 669.416
strict-transport-security: max-age=31536000; includeSubDomains; preload
vary: Origin

{
  "id": "chatcmpl-7vg6xYS04sIe7SYB1DCGafjjAkSEh",
  "object": "chat.completion",
  "created": 1693980927,
  "model": "gpt-35-turbo",
  "choices": [{
    "index": 0,
    "finish_reason": "stop",
    "message": {
      "role": "assistant",
      "content": "Hello! How can I assist you today?"
    }
  }],
  "usage": {
    "completion_tokens": 9,
    "prompt_tokens": 9,
    "total tokens": 18
  }
}
```

3 SUPPORTED OPENAI API MODELS AND VERSIONS

3.1 API MODELS

Details: <https://learn.microsoft.com/en-us/azure/ai-services/openai/concepts/models>

- gpt-35-turbo
- gpt-35-turbo-16k
- text-embedding-ada-002

3.2 API VERSIONS

Details: <https://learn.microsoft.com/en-us/azure/ai-services/openai/reference>

- 2022-12-01
- 2023-03-15-preview
- 2023-05-15
- 2023-06-01-preview
- 2023-07-01-preview
- 2023-08-01-preview

4 REFERENCE

Azure OpenAI Service REST API reference

<https://learn.microsoft.com/en-us/azure/ai-services/openai/reference>

Azure OpenAI Service – Pricing

<https://azure.microsoft.com/en-us/pricing/details/cognitive-services/openai-service/>

5 LEARN MORE

For further information, please contact elarning@cuhk.edu.hk.