



Lowcademy

An OutSystems & Low-Code Learning Platform

— HANDS-ON SETUP GUIDE

Set up **Azure AI Search** for a RAG pipeline

A step-by-step walkthrough to build the retrieval backbone of an agentic project, from a fresh Azure account through to a deployed embedding model.

Azure AI Search

Vector Index

Azure OpenAI

text-embedding-3-small

CREATED BY

Ankit Gangrade

Lowcademy

www.lowcademy.com

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What's inside

- 01 Sign up for a free Azure account
- 02 Create a new resource group
- 03 Create the Azure AI Search service and index
- 04 Create the Azure OpenAI resource for embeddings

By the end you will have a verified Azure subscription, a vector-ready search index, and a deployed embedding model: the full retrieval backbone for an agentic RAG project.

ABOUT THIS GUIDE

From an empty portal to a working RAG backbone

Most RAG tutorials skip the part that actually trips people up: the cloud setup. This guide walks through every screen in the Azure portal so you can stand up the retrieval layer for an agentic project without guessing.

Who it's for

Developers and students building their first retrieval-augmented or agentic application on Azure, especially those working in OutSystems and ODC.

What you'll set up

A free Azure account, a resource group, an AI Search service with a vector index, and a deployed `text-embedding-3-small` model.

What you'll walk away with

Six credentials: two endpoints, two keys, an index name, and a deployment name. Drop them into your app and your pipeline can retrieve.

How to use it

Follow the parts in order. Each step maps to one screen, with the exact buttons to click and a screenshot to match against.

**Ankit Gangrade**

Enterprise Software Architect · OutSystems Champion · Founder, Lowcademy

I build enterprise low-code systems and teach how real projects actually get shipped. Lowcademy is where I turn that hands-on work into guides like this one.

01

FOUNDATION

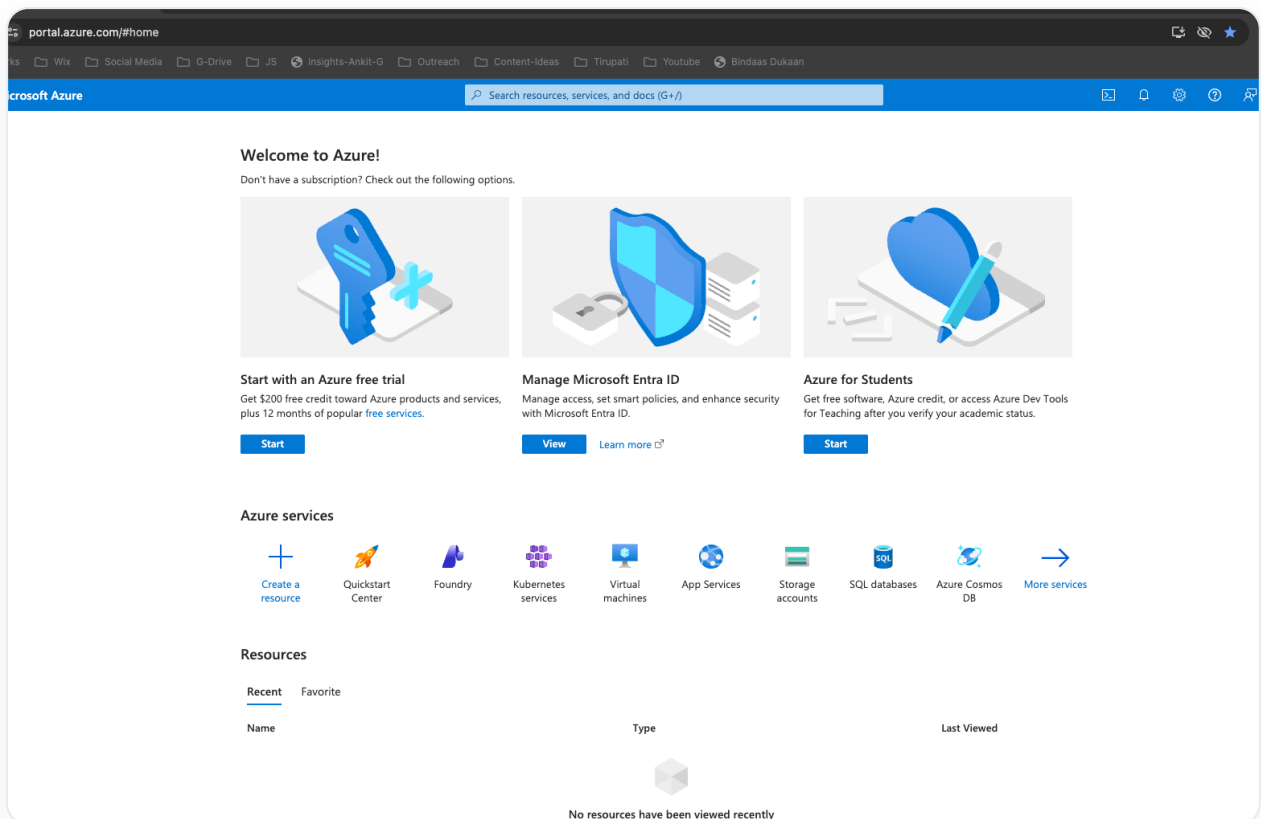
Sign up for a free Azure account

Before you can build anything, you need a verified Azure subscription. This part gets you from zero to a working portal.

1

Sign up or log in at portal.azure.com

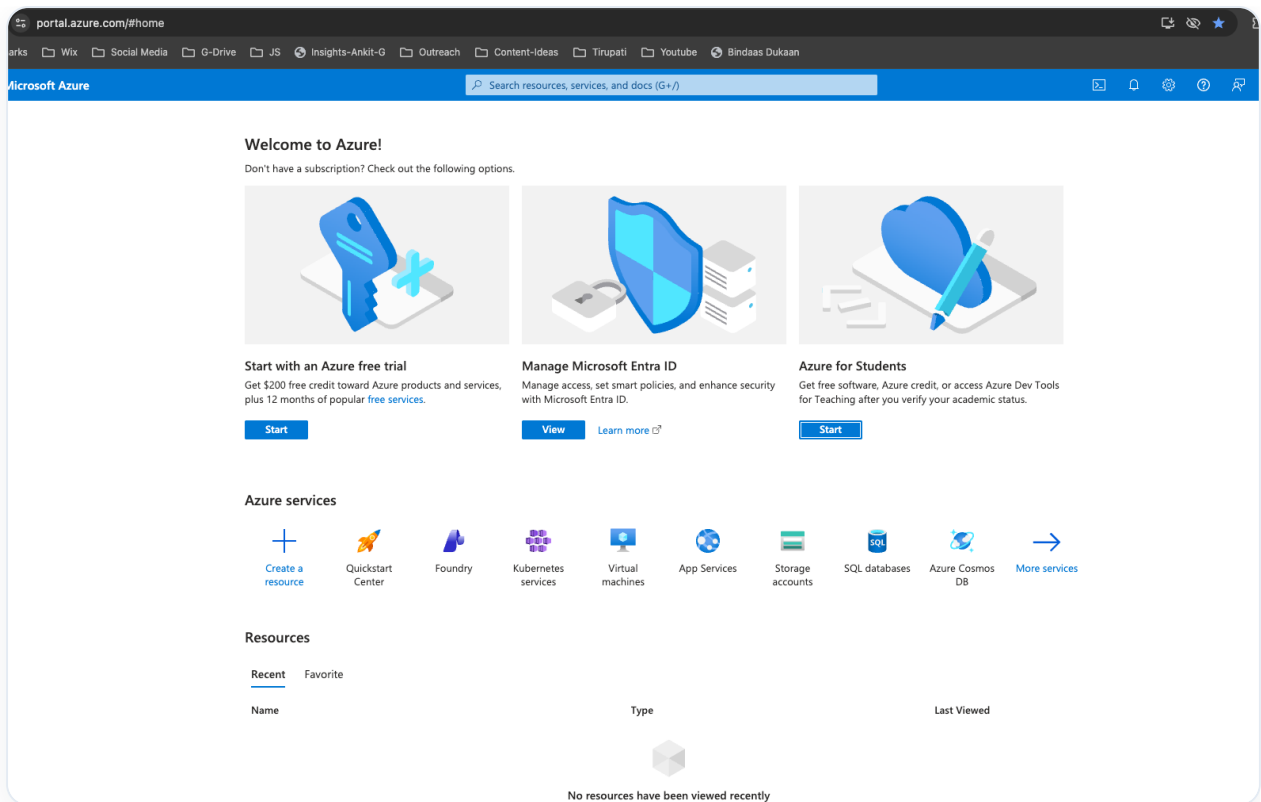
Open portal.azure.com in your browser. If you already have a Microsoft account, log in. If not, start the sign-up flow.



2

Click “Start with an Azure free trial”

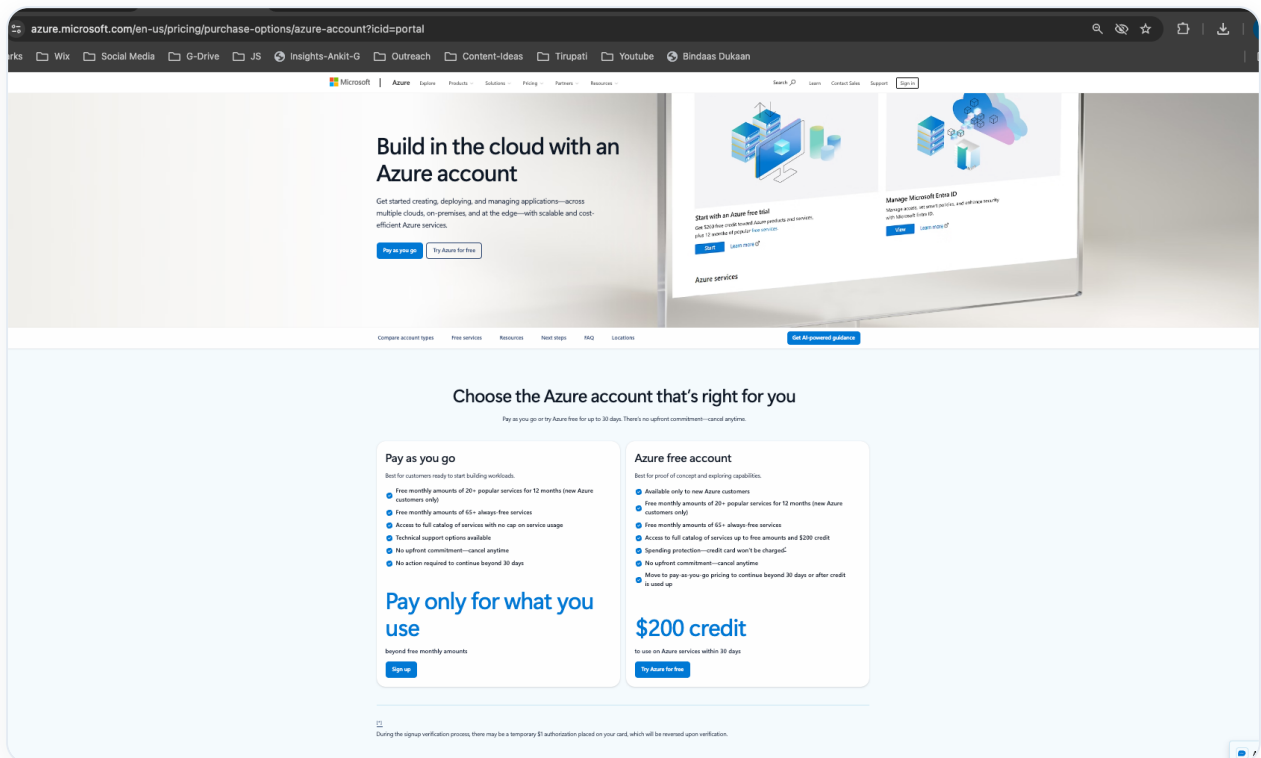
On the landing screen, select the first card to begin the free trial path.



3

Create your Azure free account

Click the second card to create a brand-new free account.



4

Enter your details

Provide your name, email, and phone number, then click **Next**.

Microsoft Azure

Create your Azure free account

An Azure free account gives you access to explore capabilities and develop proofs of concept. Your account also includes:

- USD200 credit to use in your first 30 days
- Free monthly amounts of 20+ popular services for 12 months
- Free monthly amounts of 65+ always-free services
- Spending protection—your credit card won't be automatically charged until you move to pay-as-you-go pricing

lowcademy@outlook.com Sign out

Step 1 of 3

Profile information

How do you plan to use your Azure account? ⓘ

☒ For personal use

☐ For use in connection with an organization, university, research group, NGO

Country/Region ⓘ

India

Choose the location that matches your billing address. You cannot change this selection later. If your country is not listed, the offer is not available in your region. [Learn more](#)

First name

Ankit

Last name

Gangrade

Email address for important notifications ⓘ

lowcademy@outlook.com

Phone ⓘ

99872-49391

Company name

Ankit Gangrade

✓

Verification complete!

80818b1f543108b7719c7417734

Next

Microsoft Azure

Create your Azure free account

An Azure free account gives you access to explore capabilities and develop proofs of concept. Your account also includes:

- USD200 credit to use in your first 30 days
- Free monthly amounts of 20+ popular services for 12 months
- Free monthly amounts of 65+ always-free services
- Spending protection—your credit card won't be automatically charged until you move to pay-as-you-go pricing

lowcademy@outlook.com Sign out

Step 2 of 3

Address information ⓘ

Address line 1

Indore

Address line 2 (Optional)

Indore

Address line 3 (Optional)

Indore

City

Indore

State

Madhya Pradesh

Postal Code

452010

☒ I understand that Microsoft may contact me about my free account.

☒ I represent that I am the individual identified on this account. I agree to the terms and conditions of the [Microsoft Customer Agreement](#) including the Supplemental Individual User Terms.

☐ I will receive information, tips, and offers about Azure and other Microsoft products and services.

☐ I would like Microsoft to share my information with select partners so I can receive relevant information about their products and services.

Read our [privacy statement](#) for information on how your data is handled.

Back Next

lowcademy@outlook.com Sign out

Step 2 of 3

Address information ⓘ

Address

Indore
Indore
Indore
Indore
MADHYA PRADESH 452010
IN

I understand that Microsoft may contact me about my free account.

☐ I represent that I am the individual identified on this account. I agree to the terms and conditions of the [Microsoft Customer Agreement](#) including the Supplemental Individual User Terms.

I will receive information, tips, and offers about Azure and other Microsoft products and services.

☐ I would like Microsoft to share my information with select partners so I can receive relevant information about their products and services.

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Back Next

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5

Add a payment method and sign up

Enter your credit card information, click **Next**, and complete sign-up.

! Azure requires a payment method only for verification. You are not charged unless you create billable resources or upgrade to Pay-As-You-Go. As a precaution, use a spare card and set low domestic and international transaction limits to avoid accidental charges.

Microsoft Azure

Create your Azure free account

An Azure free account gives you access to explore capabilities and develop proofs of concept. Your account also includes:

- USD200 credit to use in your first 30 days
- Free monthly amounts of 20+ popular services for 12 months
- Free monthly amounts of 65+ always-free services
- Spending protection—your credit card won't be automatically charged until you move to pay-as-you-go pricing

Step 3 of 3

Payment information

You won't be charged unless you move to pay-as-you-go pricing.

We accept the following cards:

VISA

Cardholder Name
Ankit Gangrade

Card number

Expires
MM YY

CVV
What is a CVV?

Address line 1
Indore

Address line 2 (Optional)
Indore

Address line 3 (Optional)
Indore

City
Indore

State
Madhya Pradesh

Postal Code
452010

Country/Region
India

By clicking the button below to continue, you consent to tokenize and save this card. You'll be redirected to your bank's website for verification.
[Learn more about tokenization](#)

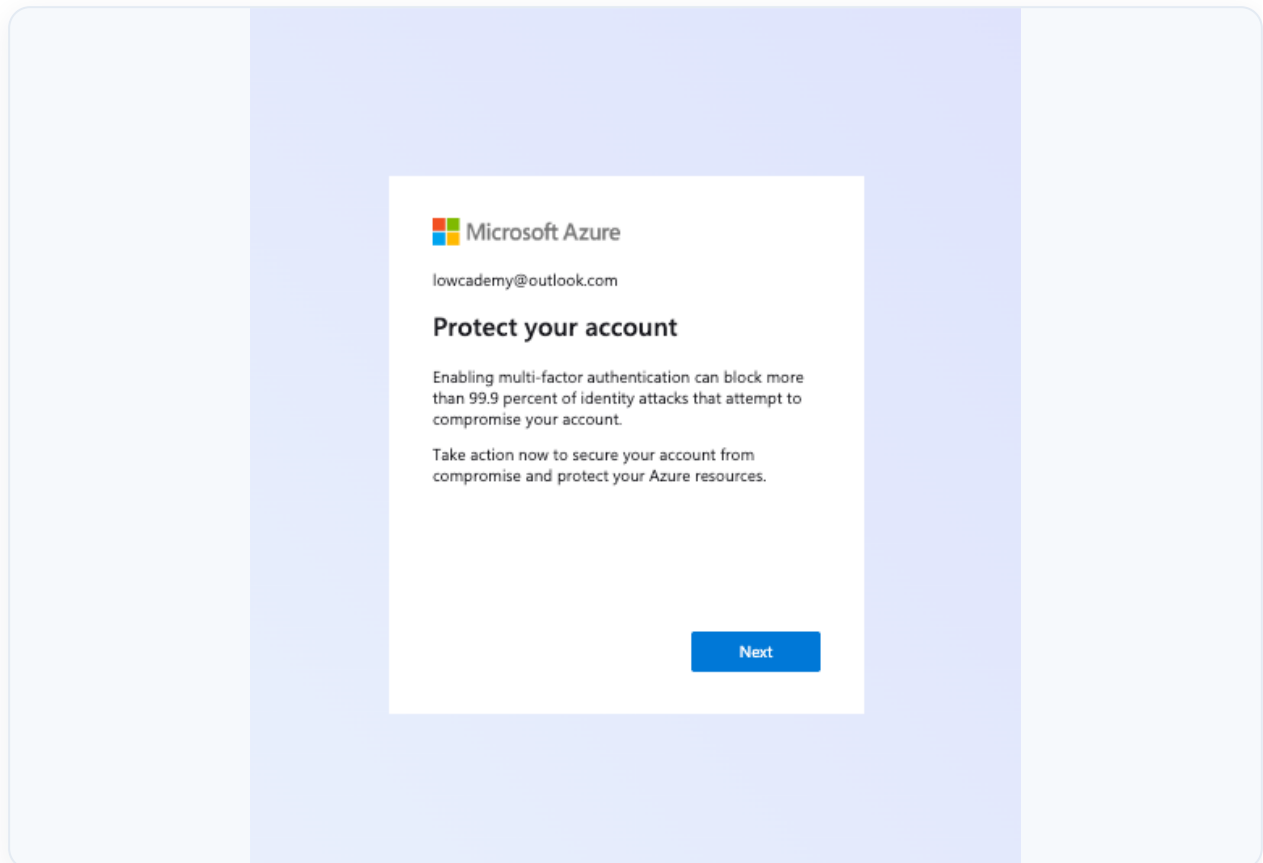
Back Sign up

English Privacy & Cookies Trademarks Legal Support Give us feedback © 2026 Microsoft

6

Enable multi-factor authentication

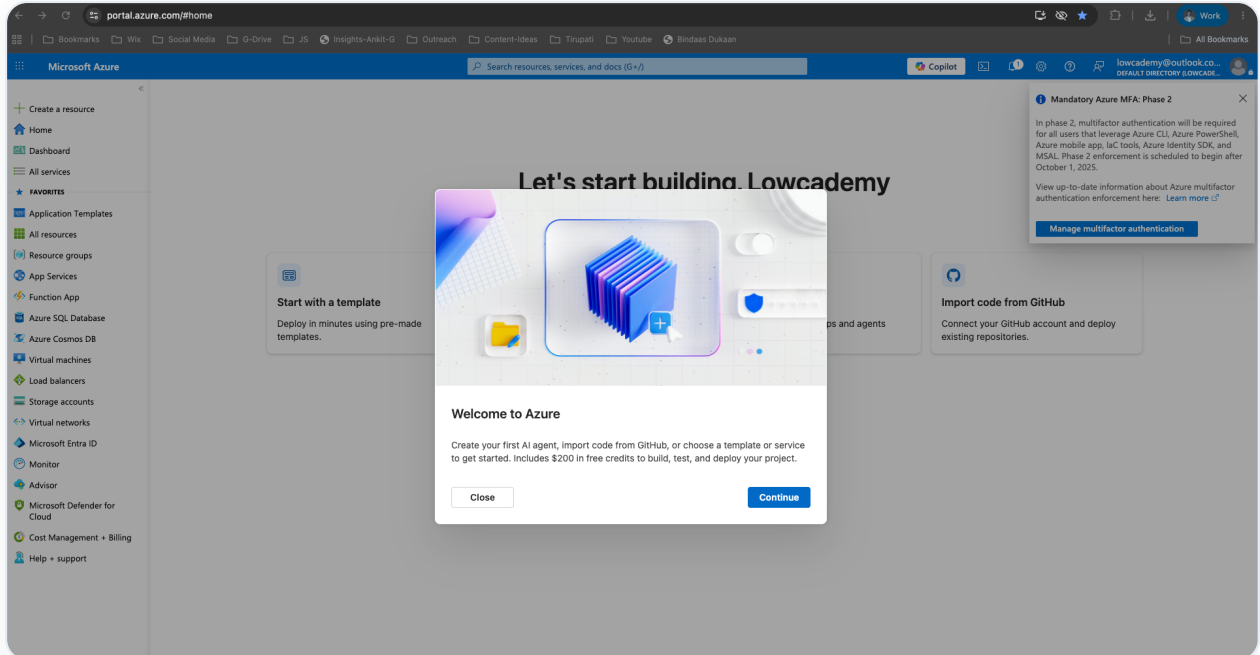
If prompted to enable MFA, go ahead and set it up. It keeps the account secure.



7

Land on the Azure home page

You should be redirected to `portal.azure.com/home` and see the welcome message. Your subscription is live.



02

ORGANISE

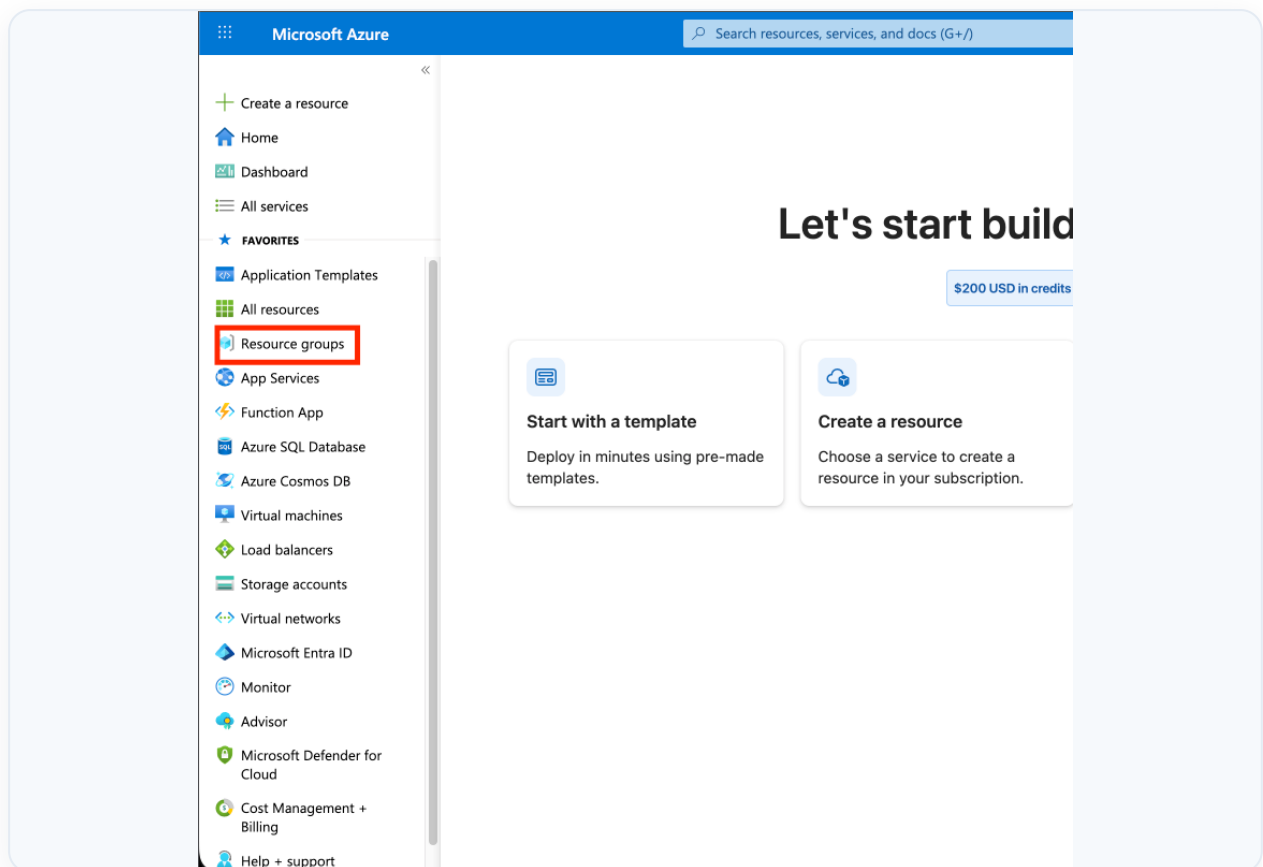
Create a new resource group

A resource group is a container that holds everything for this project, so billing, access, and clean-up stay in one place.

1

Open Resource groups

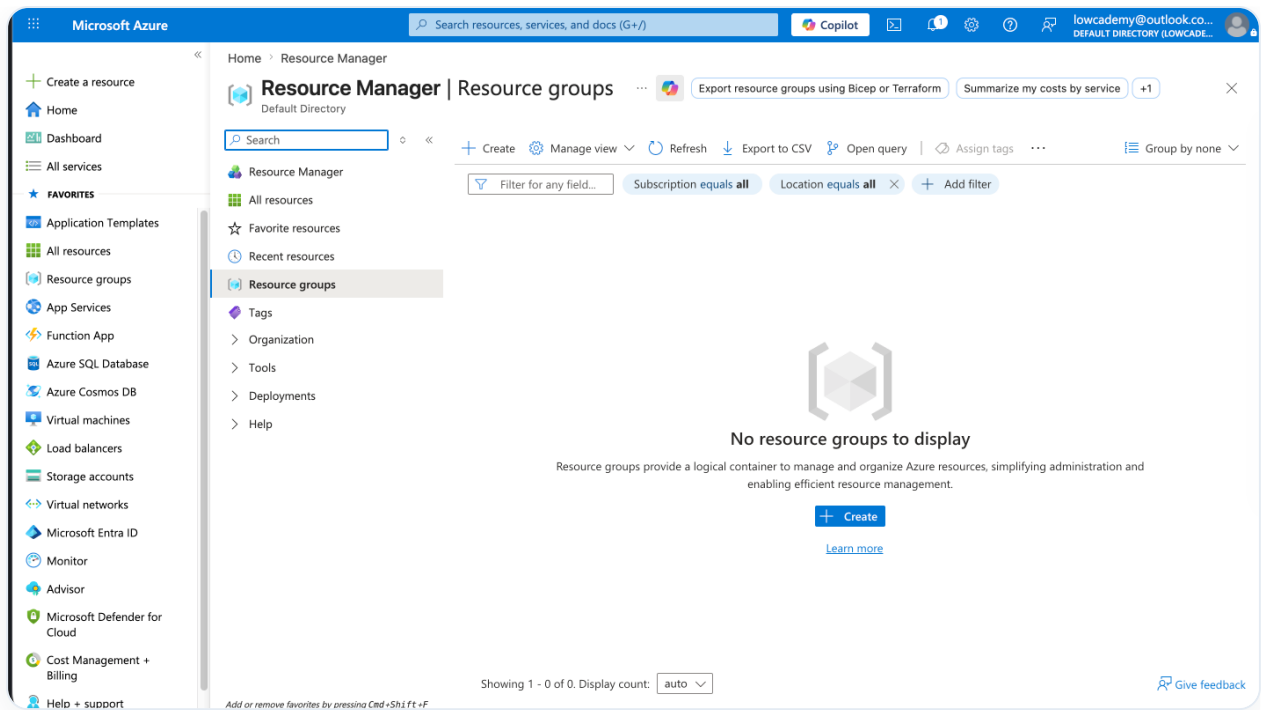
From the left-side panel, click **Resource groups**.



2

Create a new resource group

Click **Create** to start a fresh group.



3

Name it and create

Fill out the form, give it a clear, proper name, then click **Review + Create**.

Home > Resource Manager | Resource groups

Create a resource group

Basics

Tags

Review + create

Resource group - A container that holds related resources for an Azure solution. The resource group can include all the resources for the solution, or only those resources that you want to manage as a group. You decide how you want to allocate resources to resource groups based on what makes the most sense for your organization. [Learn more](#)

Subscription * ⓘ

Azure subscription 1

Resource group name * ⓘ

azure-ai-resource-group

Region * ⓘ

(US) East US

Previous

Next

Review + create

03

RETRIEVAL

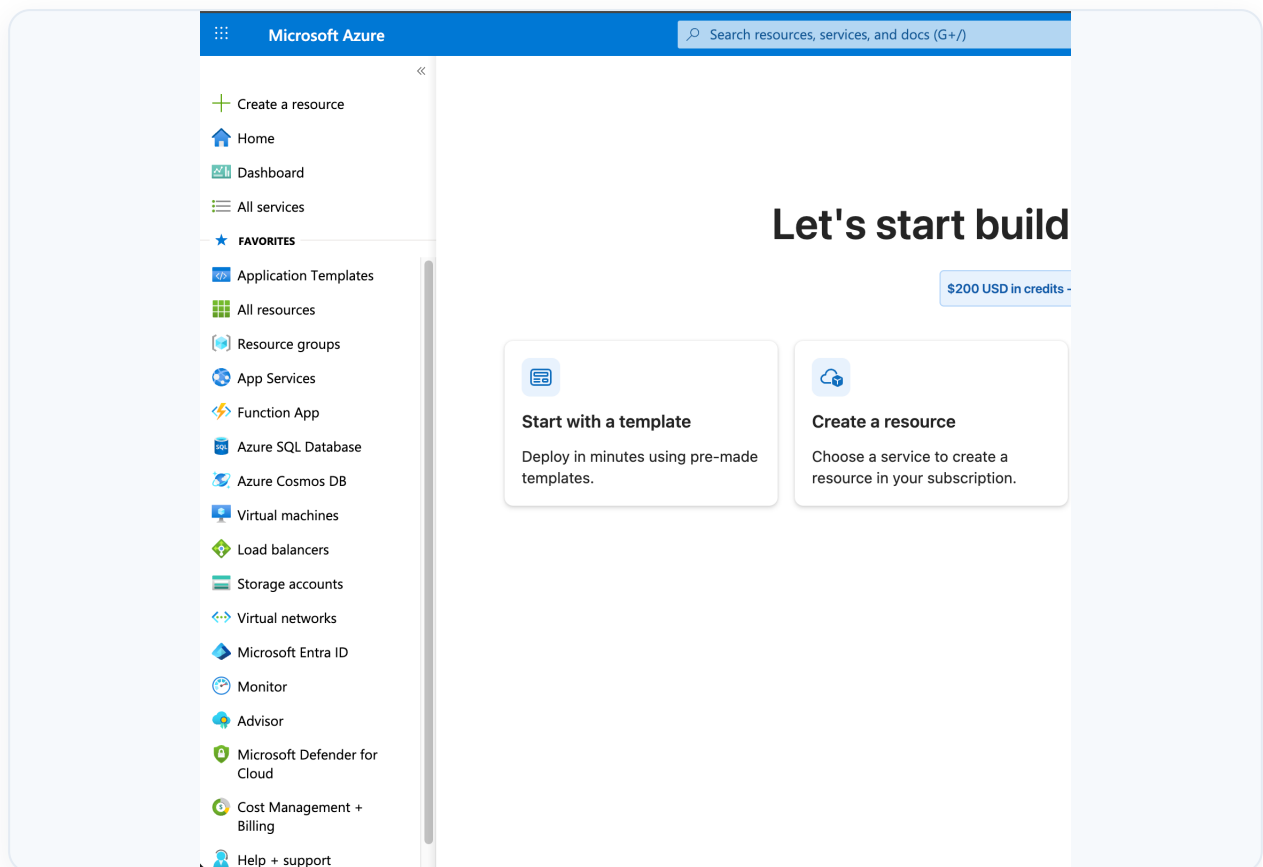
Create the Azure AI Search service and index

This is the retrieval backbone of your RAG pipeline. You will provision the search service and define an index that stores both text and vector embeddings.

1

Create a resource

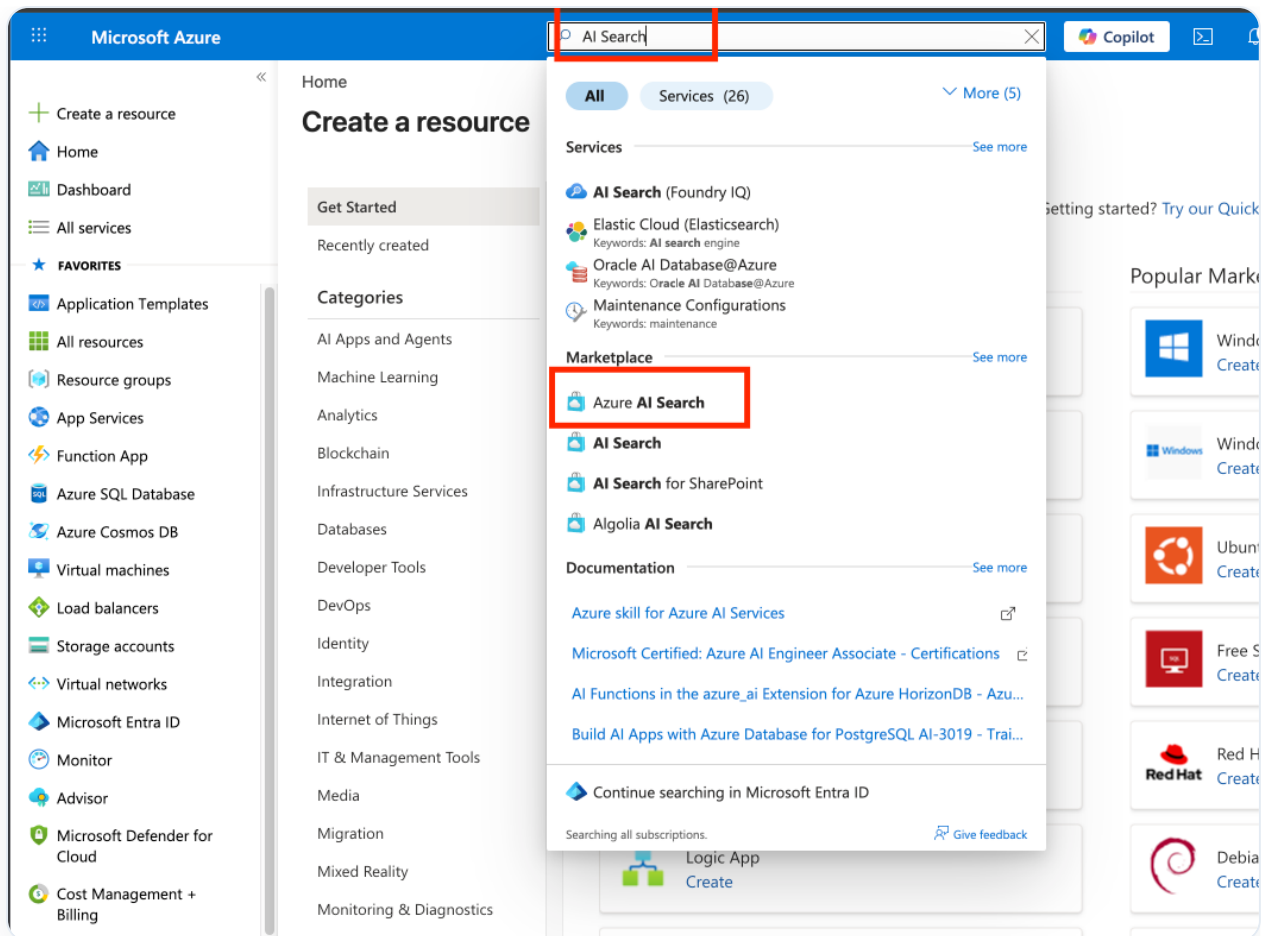
From the home page, click **Create a resource** in the left-side panel.



2

Find Azure AI Search

Search for **AI Search** and select **Azure AI Search** from the Marketplace.



3

Fill out the service form

- Select your **subscription**
- Select the **resource group** you just created
- Give a **unique service name**
- Set **Location** to (US) East US
- Set **Pricing tier** to FREE
- Click **Review + Create**
- Wait 2–3 minutes for deployment to complete

Microsoft Azure

Search resources, services, and docs (G+)

Copilot

Home

Create a search service

Basics Scale Tags Review + create

Project details

Subscription * Azure subscription 1

Resource group * azure-ai-resource-group [Create new](#)

Instance Details

Service name * ① lowcademy-search-service ✓

Location * (US) East US

Pricing tier * ① Free
50 MB, max 1 replicas, max 1 partitions, max 1 search units
[Change Pricing Tier](#)

Previous Next: Scale Review + create

Microsoft Azure

Search resources, services, and docs (G+)

Copilot

lowcademy@outlook.co...
DEFAULT DIRECTORY (LOWCADE...)

Home

searchservice-1782569179275 | Overview

Deployment

Search

Delete Cancel Redeploy Download Refresh

Overview

Inputs

Outputs

Template

Your deployment is complete

Deployment name : searchservice-17825691... Start time : 27/06/2026, 19:36:58
Subscription : Azure subscription 1 Correlation ID : 72a82cb9-49a1-4dec-b0...
Resource group : azure-ai-resource-group

Deployment details

Next steps

[Go to resource](#)

Cost management
Get notified to stay within your budget and prevent unexpected charges on your bill.
[Set up cost alerts >](#)

Microsoft Defender for Cloud
Secure your apps and infrastructure
[Go to Microsoft Defender for Cloud >](#)

Free Microsoft tutorials
[Start learning today >](#)

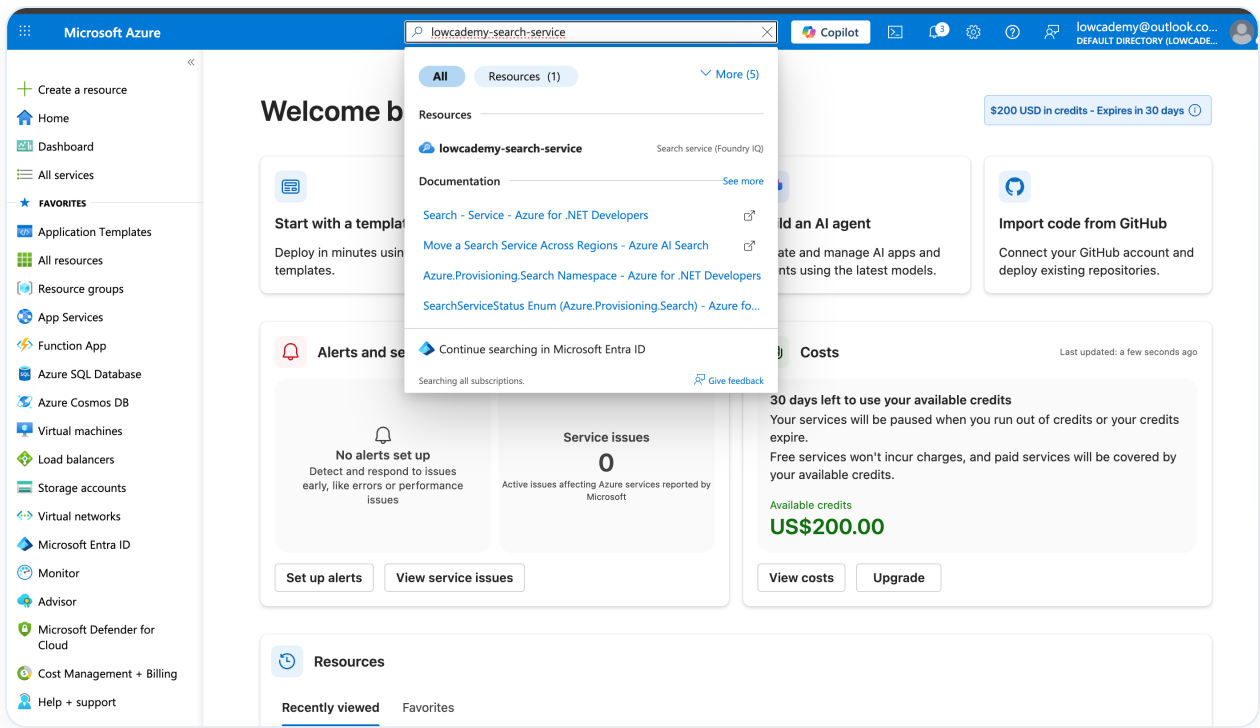
Work with an expert
Azure experts are service provider partners who can help manage your assets on Azure and be your first line of support.
[Find an Azure expert >](#)

Add or remove favorites by pressing Cmd+Shift+F

4

Open the new search service

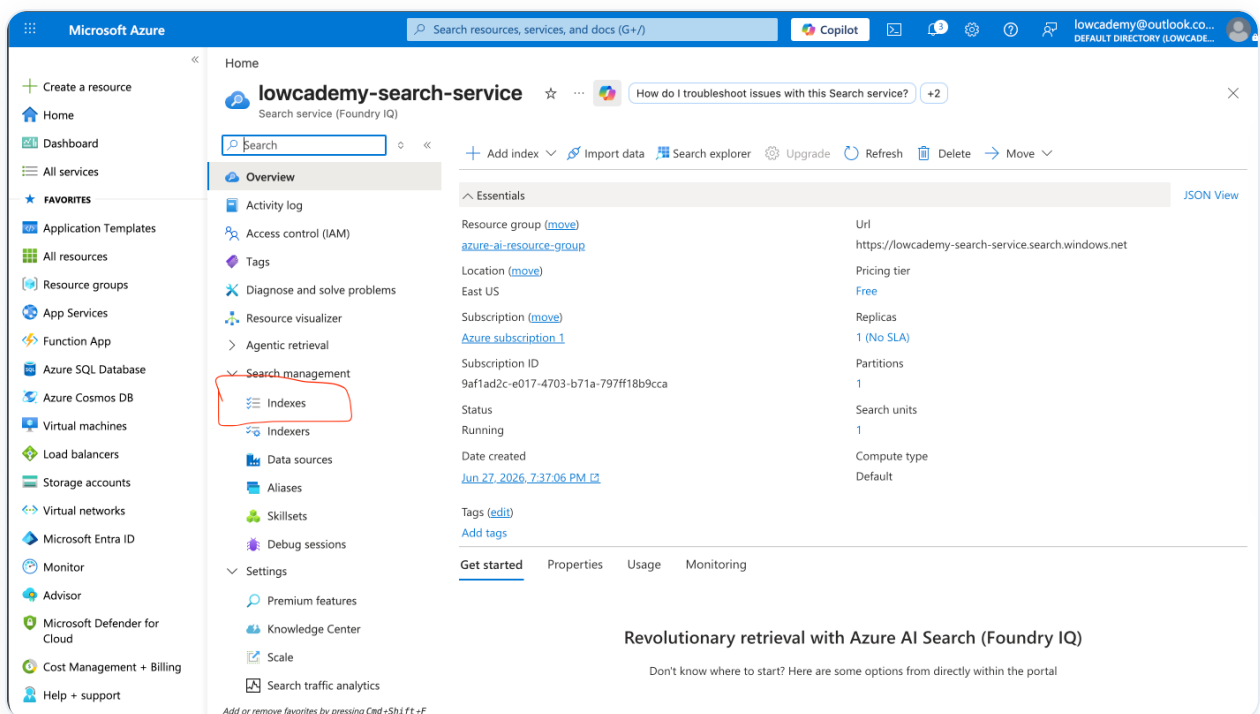
Go back to the home page, search for the search service you just created, and open it.



5

Go to Indexes

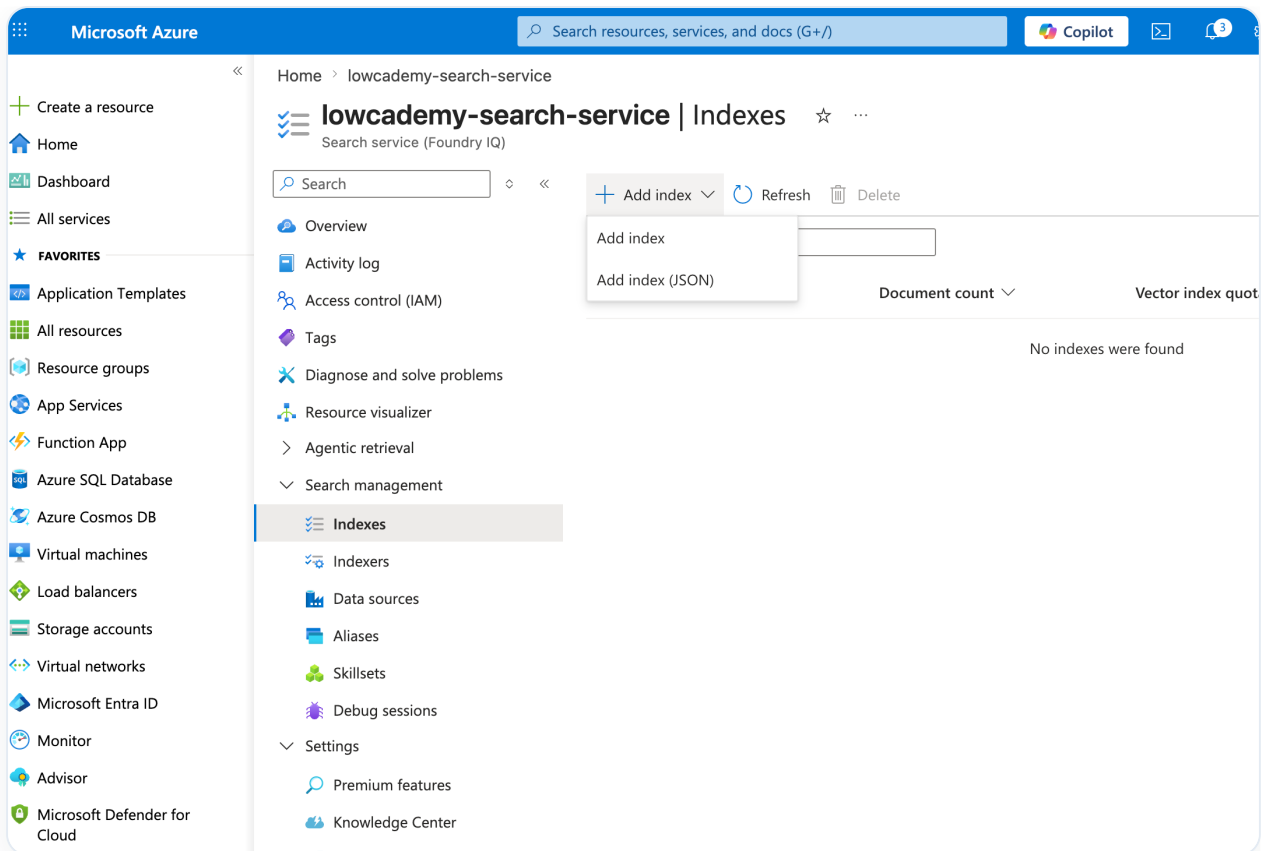
Click **Indexes** to create a new index.



6

Add an index via JSON

Click **New Index** > **Add index (JSON)**.



7

Paste the index definition and save

Paste the JSON below into the JSON box and click **Save**. This defines your fields, the 1536-dimension vector field for embeddings, semantic configuration, and the HNSW vector search profile.

 index-definition.json

```
{
  "name": "ai-search-index",
  "fields": [
    { "name": "id", "type": "Edm.String", "key": true, "searchable": false,
      "filterable": false, "retrievable": true, "stored": true, "sortable": false,
      "facettable": false },
    { "name": "tenant_id", "type": "Edm.Int64", "searchable": false, "filterable":
      true, "retrievable": true, "stored": true, "sortable": true, "facettable": false },
    { "name": "document_id", "type": "Edm.Int64", "searchable": false, "filterable":
      true, "retrievable": true, "stored": true, "sortable": true, "facettable": false },
    { "name": "sourceName", "type": "Edm.String", "searchable": false, "filterable":
      true, "retrievable": true, "stored": true, "sortable": true, "facettable": false },
    { "name": "section", "type": "Edm.String", "searchable": false, "filterable":
      true, "retrievable": true, "stored": true, "sortable": true, "facettable": false },
    { "name": "content", "type": "Edm.String", "searchable": true, "filterable":
      false, "retrievable": true, "stored": true, "sortable": false, "facettable": false },
    { "name": "embedding", "type": "Collection(Edm.Single)", "searchable": true,
      "retrievable": true, "stored": true, "dimensions": 1536, "vectorSearchProfile":
      "default-vector-profile" }
  ],
  "scoringProfiles": [],
  "suggesters": [],
  "analyzers": [],
  "normalizers": [],
  "tokenizers": [],
  "tokenFilters": [],
  "charFilters": [],
  "similarity": { "@odata.type": "#Microsoft.Azure.Search.BM25Similarity" },
  "semantic": {
    "configurations": [
      {
        "name": "default",
        "rankingOrder": "BoostedRerankerScore",
        "prioritizedFields": {
          "titleField": { "fieldName": "section" },
          "prioritizedContentFields": [ { "fieldName": "content" } ],
          "prioritizedKeywordsFields": [ { "fieldName": "sourceName" } ]
        }
      }
    ]
  },
  "vectorSearch": {
    "profiles": [ { "name": "default-vector-profile", "algorithm": "default-hnsw" } ]
  },
  "algorithms": [ { "name": "default-hnsw", "kind": "hnsw" } ]
}
```

The screenshot shows the 'lowcademy-search-service | Indexes' interface. On the left, a sidebar lists various management options. The main area displays a table of indexes. A modal window titled 'Add index (JSON)' is open, showing a JSON configuration for an index named 'ai-search-index'. The JSON defines fields: 'id' (Edm.String, searchable, filterable, retrievable, stored, sortable, not facettable), 'tenant_id' (Edm.Int64, not searchable, filterable, retrievable, stored, sortable, not facettable), 'document_id' (Edm.Int64, not searchable, filterable, retrievable, stored, sortable, not facettable), and 'sourceName' (Edm.String, not searchable, filterable, retrievable, stored, sortable, not facettable).

lowcademy-search-service | Indexes

Search service (Foundry IQ)

Search + Add index Refresh Delete

Filter by name...

Name Document count

No indexes were found

Add index (JSON)

```
1 {
2   "name": "ai-search-index",
3   "fields": [
4     {
5       "name": "id",
6       "type": "Edm.String",
7       "key": true,
8       "searchable": false,
9       "filterable": false,
10      "retrievable": true,
11      "stored": true,
12      "sortable": true,
13      "facettable": false
14    },
15    {
16      "name": "tenant_id",
17      "type": "Edm.Int64",
18      "searchable": false,
19      "filterable": true,
20      "retrievable": true,
21      "stored": true,
22      "sortable": true,
23      "facettable": false
24    },
25    {
26      "name": "document_id",
27      "type": "Edm.Int64",
28      "searchable": false,
29      "filterable": true,
30      "retrievable": true,
31      "stored": true,
32      "sortable": true,
33      "facettable": false
34    },
35    {
36      "name": "sourceName",
37      "type": "Edm.String",
38      "searchable": false,
39      "filterable": true,
40      "retrievable": true,
41      "stored": true,
42      "sortable": true,
43      "facettable": false
44    }
45  ]
46 }
```

Save Cancel

lowcademy-search-service | Indexes

Search service (Foundry IQ)

Search + Add index Refresh Delete

Filter by name...

Name	Document count	Vector index quota	Total storage size
ai-search-index	0	0 Bytes	0 Bytes

8

Verify the index fields

Confirm the fields match the JSON you pasted.

- Open the index
- Go to **Fields** and verify

Your AI Search index is ready.

Home > Microsoft Foundry | AI Search > lowcademy-search-service | Indexes

ai-search-index

Save Discard Refresh Create demo app Edit JSON Delete Encryption

Documents 0 Total storage 0 Bytes Vector index quota usage 0 Bytes Max storage 50 MB

Search explorer Fields CORS Scoring profiles Semantic configurations Vector profiles

+ Add field + Add subfield Delete Autocomplete settings

Search field names

Field name	Type	Retrievable	Filterable	Sortable	Facetable	Searchable	Analyzer	Dimension
id	String	☒	☐	☐	☐	☐		
tenant_id	Int64	☒	☒	☒	☐			
document_id	Int64	☒	☒	☒	☐			
sourceName	String	☒	☒	☒	☐	☐		
section	String	☒	☒	☒	☐	☐		
content	String	☒	☐	☐	☐	☒	Standa...	
embedding	SingleCollection	☒				☒		1536

9

Grab the URL and admin key

- **URL:** open the search service; the URL is shown on the page. Copy and save it.
- To get the **admin key**, go to **Security + Networking > Keys**
- Copy the **Primary admin key**

Home

lowcademy-search-service

Search service (Foundry IQ)

How do I troubleshoot issues with this Search service? Show me search metrics for this Search service.

Search

+ Add index Import data Search explorer Upgrade Refresh Delete Move

Overview

- Activity log
- Access control (IAM)
- Tags
- Diagnose and solve problems
- Resource visualizer
- Agentic retrieval
- Search management
 - Indexes
 - Indexers
 - Data sources
 - Aliases
 - Skillsets
 - Debug sessions
- Settings
 - Premium features
 - Knowledge Center
 - Scale
 - Search traffic analytics

Essentials

Resource group ([move](#))
[azure-ai-resource-group](#)

Location ([move](#))
East US

Subscription ([move](#))
[Azure subscription 1](#)

Subscription ID
9af1ad2c-e017-4703-b71a-797ff18b9cca

Status
Running

Date created
[Jun 27, 2026, 7:37:06 PM](#)

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

Url
<https://lowcademy-search-service.search.windows.net>

Pricing tier
[Free](#)

Replicas
[1 \(No SLA\)](#)

Partitions
[1](#)

Search units
[1](#)

Compute type
Default

Get started Properties Usage Monitoring

Revolutionary retrieval with Azure AI Search (Foundry IQ)

Don't know where to start? Here are some options from directly within the portal

Add or remove favorites by pressing Cmd+Shift+F

Home > lowcademy-search-service

 **lowcademy-search-service | Keys** ☆ ...

Search service (Foundry IQ)

Indexers

Data sources

Aliases

Skillsets

Debug sessions

Settings

Premium features

Knowledge Center

Scale

Search traffic analytics

Properties

Locks

Security + networking

Keys

Encryption

Identity

Monitoring

Automation

Help

API Access control

☐ API keys

☐ Role-based access control ⓘ

☒ Both

Manage admin keys

Primary admin key

.....

👁️ 📄

🔄 Regenerate

Secondary admin key

.....

👁️ 📄

🔄 Regenerate

Manage query keys

+ Add

🗑️ Delete

Name	Key
	 📄

Add or remove favorites by pressing Cmd+Shift+F

AI Search service and index setup completes here.

04

EMBEDDINGS

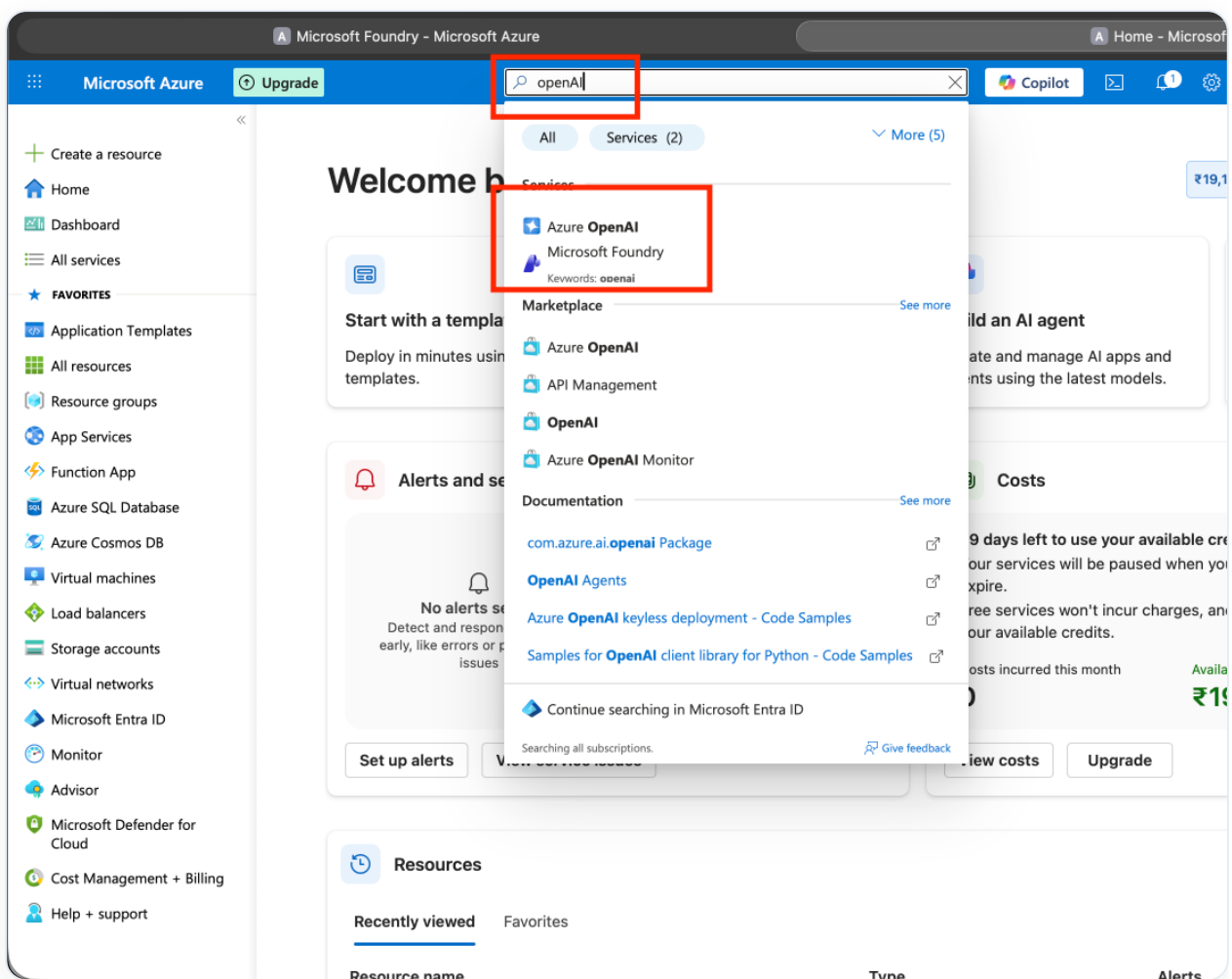
Create the Azure OpenAI resource for embeddings

Retrieval needs vectors. Here you provision Azure OpenAI and deploy the embedding model that turns your text into the 1536-dimension vectors your index expects.

1

Find Azure OpenAI

- Search for **OpenAI**
- Click **Azure OpenAI**



2

Create the resource

- Click **Create**
- Choose **Azure OpenAI**
- Fill the form and click **Next**
- Wait 3–4 minutes

The screenshot shows the Microsoft Foundry interface for Azure OpenAI. The left sidebar contains navigation links: Overview, All resources, Use with Foundry (Foundry, AI Hubs, **Azure OpenAI**, AI Search), More services, Classic AI services, and Help. The main content area displays a message: "No Azure OpenAI to display. Perform a wide variety of natural language tasks." Below this is a "Create" button and a list of two options: "Foundry (Recommended)" and "Azure OpenAI". The "Azure OpenAI" option is highlighted with a red box. At the bottom, it says "Showing 1 - 0 of 0. Display count: auto".

Home > Microsoft Foundry

Microsoft Foundry | Azure OpenAI

Search resources, services, and docs (G+)

Upgrade

Search

Filter for any field...

Subscription equals all Type equals all Resource Group equals all Location equals all Add filter

Overview

All resources

Use with Foundry

Foundry

AI Hubs

Azure OpenAI

AI Search

More services

Classic AI services

Help

No Azure OpenAI to display

Perform a wide variety of natural language tasks.

Create

Foundry (Recommended)
Design, customize, and manage AI agents and models including OpenAI.

Azure OpenAI
Use Azure OpenAI models to create, test, deploy your AI solutions end-to-end.

Showing 1 - 0 of 0. Display count: auto

Add or remove favorites by pressing Cmd+Sh1ft+F

Give feedback

The screenshot shows the "Create Azure OpenAI" form. It has a progress bar with four steps: Basics (selected), Network, Tags, and Review + submit. The Basics section contains a warning about changes and a description of the Azure OpenAI Service. Below this are sections for Project Details, Instance Details, and Content review policy. The Project Details section has fields for Subscription (Azure subscription 1) and Resource group (azure-ai-resource-group). The Instance Details section has fields for Region ((US) Central US), Name (lowcademy-open-ai-resource), and Pricing tier (Standard S0). The Content review policy section contains information about content review and links for more details. At the bottom are "Previous" and "Next" buttons.

Home > Microsoft Foundry | Azure OpenAI

Create Azure OpenAI

Changes on this step may reset later selections you have made. Review all options prior to deployment.

Basics Network Tags Review + submit

Azure OpenAI Service provides access to OpenAI's powerful language models, including all the latest OpenAI models. These models can be easily adapted to your specific tasks, including but not limited to content generation, summarization, image understanding, semantic search, and natural language to code translation. Top use cases include Call Centers, Virtual Assistants, Accessibility, Content Generation, and Code Development. The service also features the Assistants API, Fine Tuning capabilities and many ways to connect your data to the service for conversational experiences. The service can be scaled through Standard (tokens) and Provisioned (PTUs) deployment types.

Learn more

Project Details

Subscription * Azure subscription 1

Resource group * azure-ai-resource-group

Create new

Instance Details

Region (US) Central US

Name * lowcademy-open-ai-resource

Pricing tier * Standard S0

View full pricing details

Content review policy

To detect and mitigate harmful use of the Azure OpenAI Service, Microsoft logs the content you send to the Completions and image generations APIs as well as the content it sends back. If content is flagged by the service's filters, it may be reviewed by a Microsoft full-time employee.

Learn more about how Microsoft processes, uses, and stores your data

Apply for modified content filters and abuse monitoring

Previous Next

Home > Microsoft Foundry | Azure OpenAI

Create Azure OpenAI ...

✓ Basics **2 Network** 3 Tags 4 Review + submit

i 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.

Home > Microsoft Foundry | Azure OpenAI

Create Azure OpenAI ...

✓ Basics ✓ Network **3 Tags** 4 Review + submit

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

: Foundry

The screenshot shows the 'Create Azure OpenAI' wizard in the Microsoft Foundry portal. The breadcrumb trail is 'Home > Microsoft Foundry | Azure OpenAI'. The title is 'Create Azure OpenAI' with a three-dot menu icon. The progress bar shows four steps: 'Basics' (checked), 'Network' (checked), 'Tags' (checked), and 'Review + submit' (active, indicated by a blue circle with the number 4). Below the progress bar is a link 'View automation template'. The 'Basics' section contains a table with the following details:

Subscription	Azure subscription 1
Resource group	azure-ai-resource-group
Region	Central US
Name	lowcademy-open-ai-resource
Pricing tier	Standard S0

The 'Network' section contains a table with the following detail:

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

At the bottom of the wizard are three buttons: 'Previous' (disabled), 'Next' (disabled), and 'Create' (active, highlighted in blue).

3

Open Foundry portal

- Open the newly created Azure OpenAI resource
- Click **Go to Foundry portal**

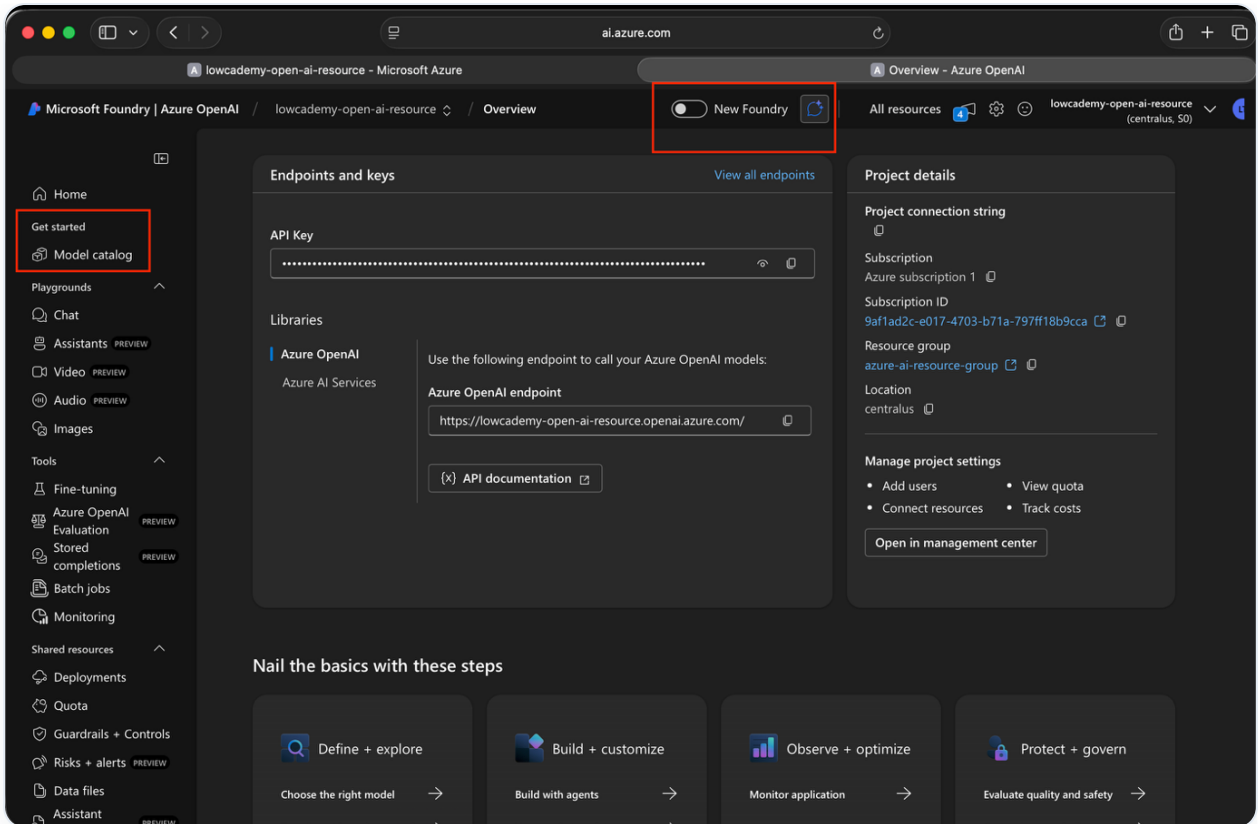
The screenshot shows the Azure portal interface for the resource 'lowcademy-open-ai-resource'. The breadcrumb trail is 'Home > OpenAICreate-20260628070406 | Overview'. The resource name 'lowcademy-open-ai-resource' is displayed with an 'Azure OpenAI' label. A search bar and a 'Go to Foundry portal' button (highlighted with a red box) are visible. The left sidebar contains navigation links: Overview, Activity log, Access control (IAM), Tags, Diagnose and solve problems, Resource visualizer, Resource Management, Security, Monitoring, Automation, and Help. The main content area features a 'Want to try the latest industry models and Agents?' message, an 'Essentials' section with details like Resource group, Status, Location, Subscription, and Subscription ID, and a 'Build your own secure copilot and generative AI applications with Azure OpenAI Service' section with an 'Explore Foundry portal' button.

4

Open the model catalog

- In the Foundry portal, under the new resource, open the **Model catalog**

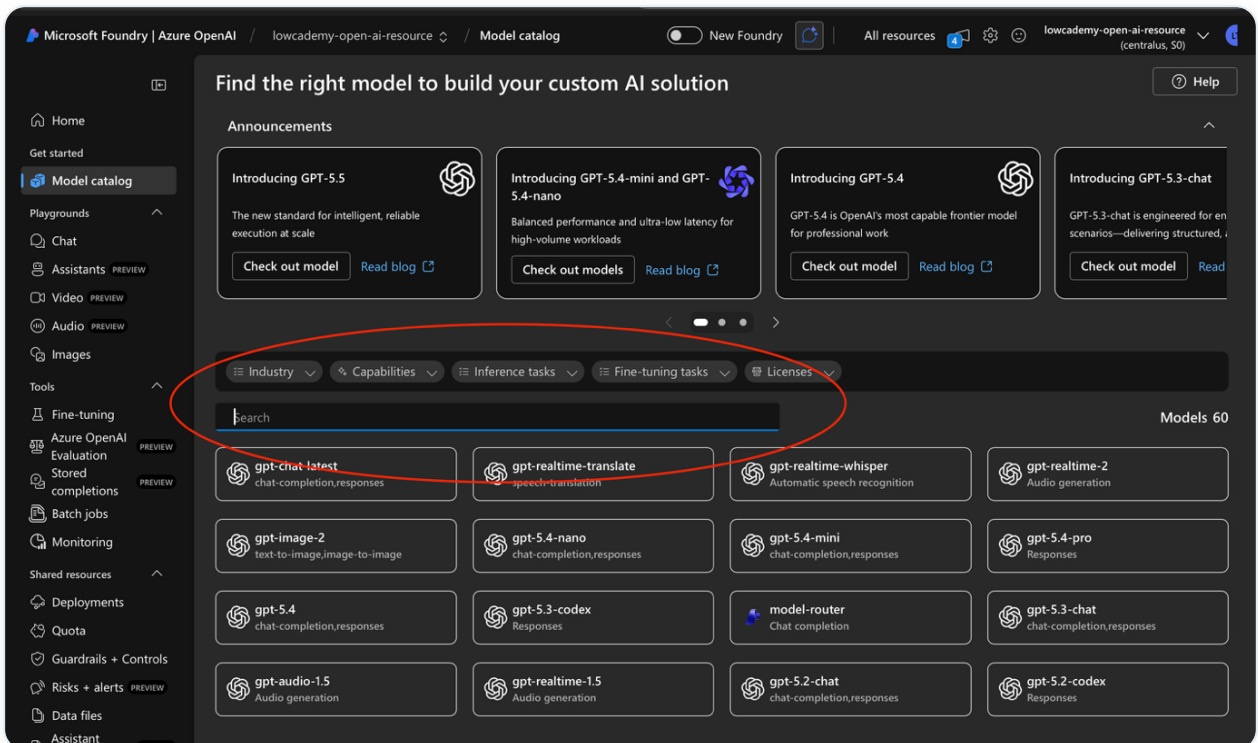
! If the Foundry portal sends you to the new experience, move back to the old one for these steps.

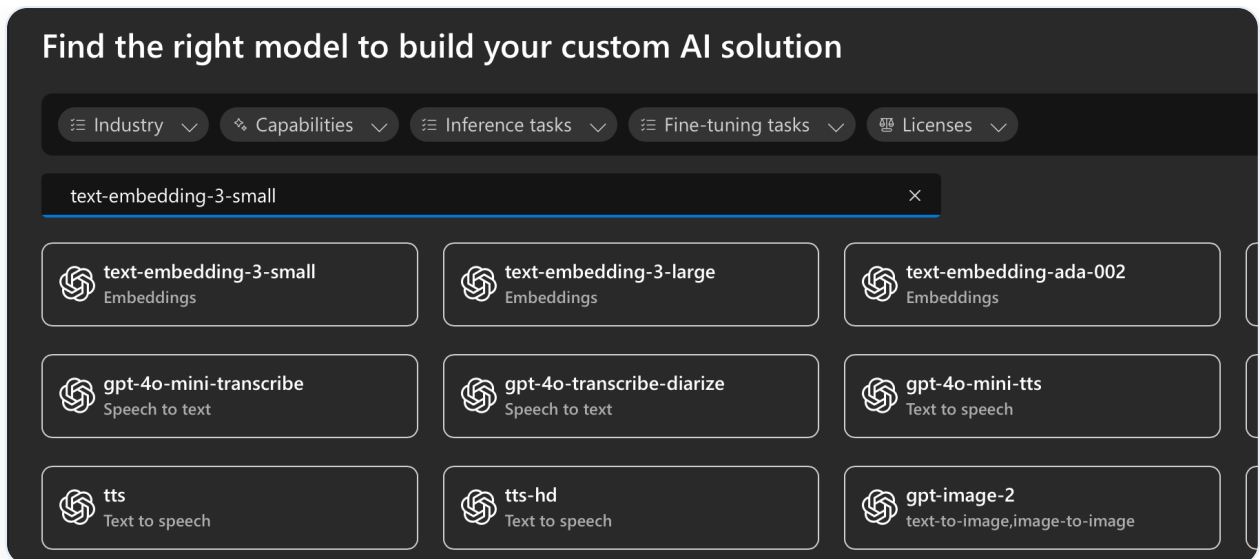


5

Search the embedding model

- From the model catalog
- Search **text-embedding-3-small** and select it

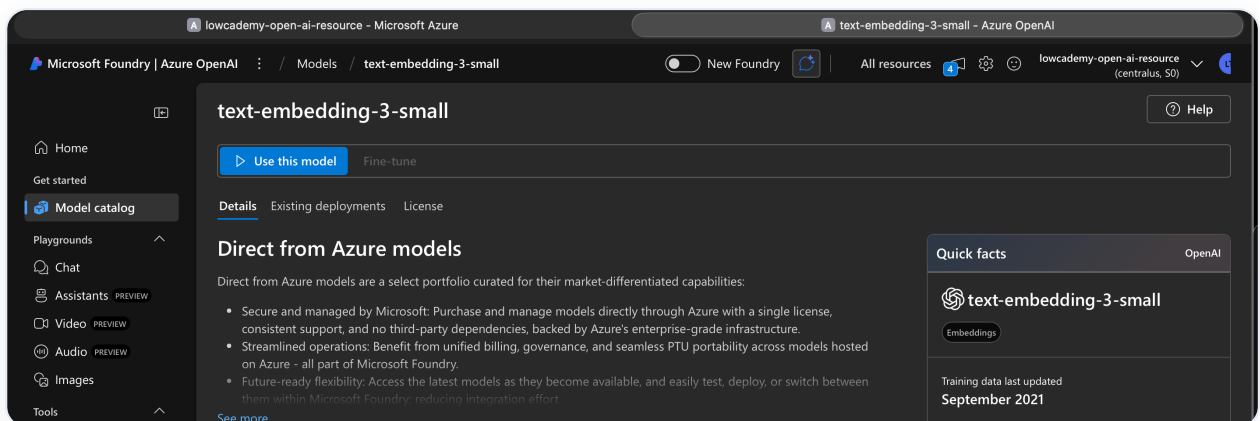




6

Select the model

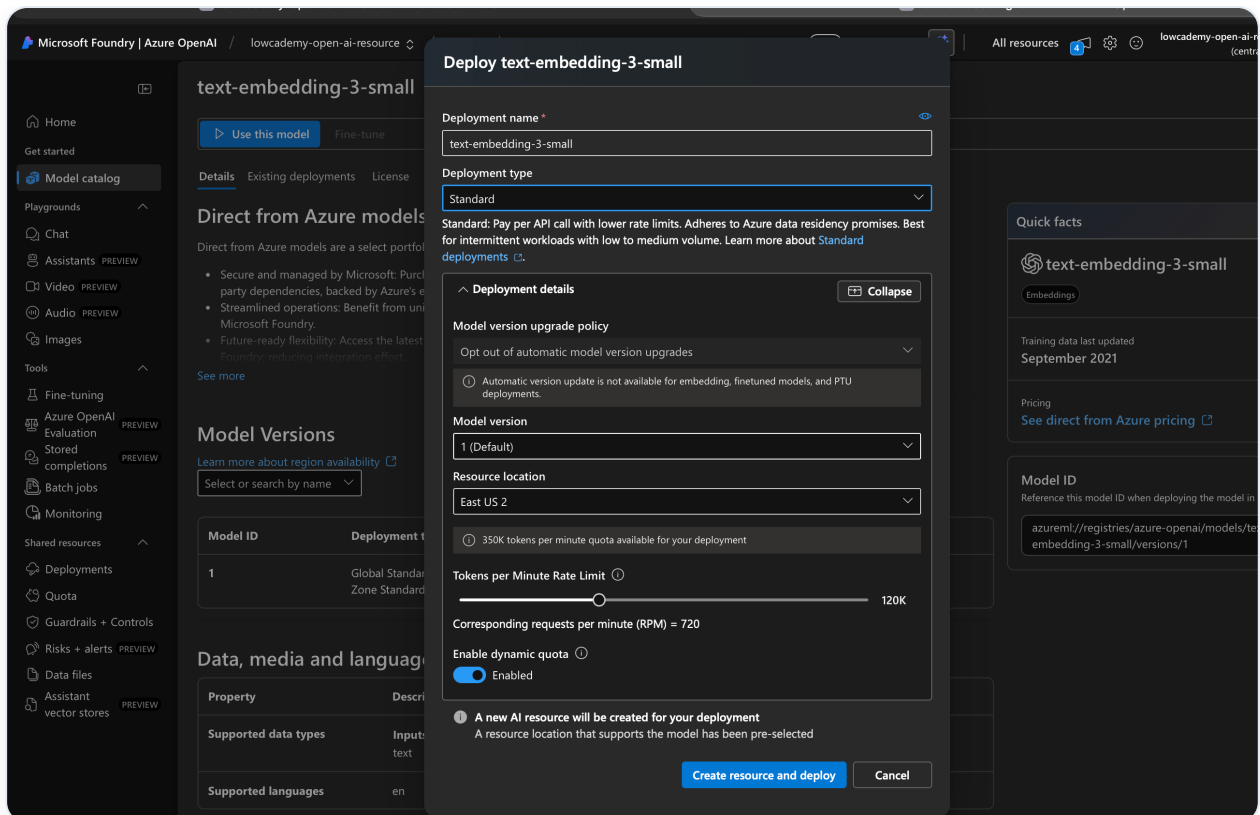
- Select **text-embedding-3-small**
- Click **Use this model**



7

Deploy it

- Name the deployment **text-embedding-3-small**
- Set deployment type to **Standard**
- Click **Create resource and deploy**



8

Understand what just happened

Go to **Overview** and check the resources. You will likely see two.

In my case, I already had an Azure OpenAI resource named `lowcademy-open-ai-resource`. When I created my first model deployment, Microsoft AI Foundry automatically created a second resource named `lowca-mqx4tbd1-eastus2`. This is expected behaviour.

lowcademy-open-ai-resource

USED FOR

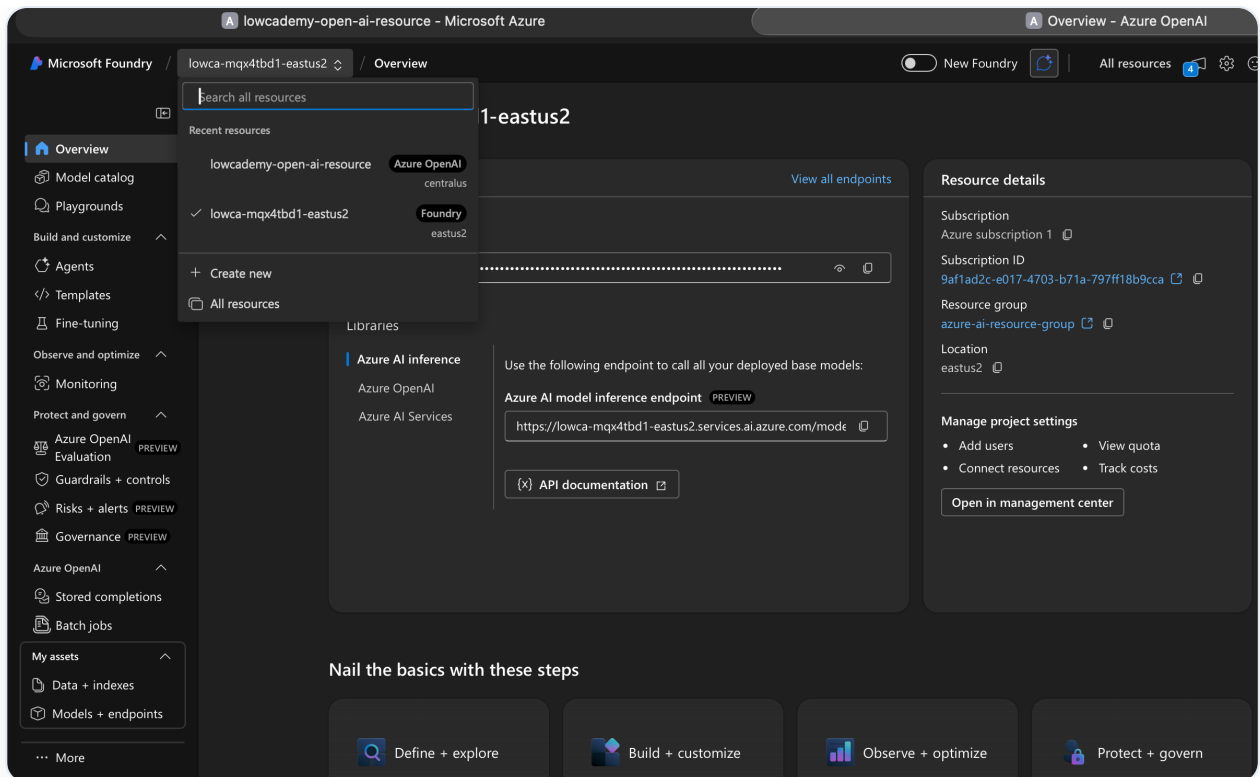
- Billing
- Access control (IAM)
- Monitoring
- Azure portal management

lowca-mqx4tbd1-eastus2

USED FOR

- Model deployments
- Endpoint URL
- API keys

Go to the second resource, navigate to **Models & Endpoints**, and copy the **Endpoint URL** and **API key**. Use these in your application for embedding requests.



9 Get your endpoint and key

- Get your Azure OpenAI **endpoint** and **key**

```
azure-openai.env

Endpoint      https://lowca-mqx4tbd1-eastus2.cognitiveservices.azure.com/
Deployment name text-embedding-3-small
Key           <your key>
```

You have deployed the embedding model.

lowcademy-open-ai-resource - Microsoft Azure

text-embedding-3-small

Overview

Model catalog

Playgrounds

Build and customize

Agents

Templates

Fine-tuning

Observe and optimize

Monitoring

Protect and govern

Azure OpenAI

Evaluation

Guardrails + controls

Risks + alerts

Governance

Azure OpenAI

Stored completions

Batch jobs

My assets

Data + indexes

Models + endpoints

More

Management center

Details

Request quota

Edit

Delete

Endpoint

Target URI

https://lowca-mqx4tbd1-eastus2.cognitiveservices.azure.com/

Key

Deployment info

Name

text-embedding-3-small

Provisioning state

Succeeded

Deployment type

Standard

Created on

2026-06-28T01:53:01.3118741Z

Created by

lowcademy@outlook.com

Modified on

Jun 28, 2026 7:23 AM

Modified by

lowcademy@outlook.com

Version upgrade policy

Model version will not be automatically upgraded

Rate limit (Tokens per minute)

1,20,000

Rate limit (Requests per minute)

720

Model name

text-embedding-3-small

Model version

1

Life cycle status

Generally Available

Date created

Jan 25, 2024 5:30 AM

Date updated

Jan 25, 2024 5:30 AM

Model retirement date

Apr 15, 2027 5:30 AM

Language

Python

SDK

Azure OpenAI SDK

Authentication

Key Authentication

Get Started

Below are example code snippets for a few use cases. For additional information about Azure OpenAI SDK, see full samples.

1. Authentication using API Key

For OpenAI API Endpoints, deploy the Model to generate the endpoint URL and an API key to authenticate against endpoint and key are strings holding the endpoint URL and the API Key.

The API endpoint URL and API key can be found on the Deployments + Endpoint page once the model is deployed.

To create a client with the OpenAI SDK using an API key, initialize the client by passing your API key to the SDK's constructor to authenticate and interact with OpenAI's services seamlessly.

```
endpoint = "https://lowca-mqx4tbd1-eastus2.cognitiveservices.azure.com/"
model_name = "text-embedding-3-small"
deployment = "text-embedding-3-small"

api_version = "2024-02-01"

client = AzureOpenAI(
    api_version="2024-12-01-preview",
    endpoint=endpoint,
    credential=AzureKeyCredential("<API_KEY>")
)
```

2. Install dependencies

Install the Azure OpenAI SDK using pip (Requires: Python >=3.8):

```
pip install openai
```

Cross-check: you should have all six values handy

AZURE AI SEARCH ENDPOINT

https://<name>.search.windows.net

AZURE AI SEARCH ADMIN KEY

<your key>

AZURE AI SEARCH INDEX NAME

ai-search-index

AZURE OPENAI ENDPOINT

https://<name>.openai.azure.com/

AZURE OPENAI KEY

<your key>

EMBEDDING DEPLOYMENT NAME

text-embedding-3-small