

Building with Azure OpenAI Codex-5: Deployment to VS Code Integration

This slide is created for the Feb 13, 2026 UTokyo Azure Usage Briefing #2.
Azure services and UI change frequently. If the following does not work, please refer to [the Azure OpenAI Service documentation](#).

About the Previous Session:

UTokyo Azure Usage Briefing #1

- If you are interested in learning the basics of how to use key Azure services, please refer to the slides and recorded talk from **UTokyo Azure Usage Briefing #1**.
<https://utelecon.adm.u-tokyo.ac.jp/en/events/2025-04-18/>
- Topics covered in the previous session
 - a. Assign the Owner Role**
By assigning the “Owner” role to a user, they can receive alert emails when the usage fee for the “[Guaranteed Free Tier](#)” exceeds a certain threshold.
 - b. Using Azure OpenAI Service**
How to use OpenAI models through a conversational interface like ChatGPT.
 - c. Create a GPU-Enabled Virtual Machine**
How to create a GPU-equipped Linux (Ubuntu) virtual machine on Azure and run deep learning models on it.
 - d. Using Notebooks**
How to use a Jupyter Notebook on Azure.

Today's Overview

1. What is OpenAI Codex-5?

How Codex works and what advantages it brings to your development workflow.

2. Deploying Codex in Azure

Screenshots and important notes at each configuration step.

3. Preparing VS Code for Codex

Benefits of using VS Code with Codex and how to install necessary tools.

4. Connecting VS Code to Your Azure Codex Deployment

Connect the Codex model to the VS Code using the Endpoint URI and API Key.

5. Using Codex in VS Code

Example: fetch data, generate code, refine via chat.

6. Usage & Cost Monitoring

Check pricing and usage amount.

1. What is OpenAI Codex-5?

How Codex works and what advantages it brings to your development workflow.

What is Codex?

- **AI model that generates and explains code from natural language.**

- **Helps beginners and experts: faster coding, fewer repetitive tasks**

88% of U.S. developers say their companies support Code AI use*.

- Commercial code-generation AIs include Codex, GitHub Copilot, Claude Code (Anthropic), Gemini Code Assist (Google), Cursor, DeepSeek Coder, and others.
- However, their free tiers come with strict usage limits, and the paid tiers are expensive (e.g., Claude Code costs \$10-\$200 per month)

→ **Thanks to the MS support, let's use Azure Codex.**



*ref. Kyle Daigle & GitHub Staff, "[Survey: The AI wave continues to grow on software development teams](#)," accessed 26th Jan. 2026.

Choose the right region for your resource

Version

Microsoft Foundry (classic)

Find by title

What is Microsoft Foundry (classic)?

Get started

Quickstart

Microsoft Foundry SDKs

Ask AI

Models

Explore Foundry Models

Foundry Models sold directly by Azure

Foundry Models from partners and community

Model versions

Model lifecycle and retirement

Data, privacy, and security for Model Catalog

Foundry Models quotas and limits

Choose a model for your use case

Model router

Deploy Foundry Models

Develop with AI models

Deployment in AI hub

Azure OpenAI in Foundry Models

Foundry Models FAQ

Foundry Tools

Download PDF

Model summary table and region availability

In this article

Models by deployment type

Azure OpenAI provides customers with choices on usage patterns. The service offers two main types of deployment options:

- Standard:** Has a global deployment option, resulting in lower cost and higher throughput.
- Provisioned:** Also has a global deployment option, but with higher cost and lower throughput. Provisioned throughput units across Azure global infrastructure.

All deployments can perform the exact same inference operations, but the billing, scale, and performance are substantially different. To learn more about Azure OpenAI deployment types, see our [Deployment types guide](#).

Global Standard	Global Provisioned managed	Global Batch	Data Zone Standard	Data Zone Provisioned managed	Data Zone Batch	Standard	Provisioned managed
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Global Standard model availability

Expand table

Region	gpt-5.2, 2025-12-11	gpt-5.2-chat, 2025-12-11	gpt-5.1, 2025-11-13	gpt-5.1-chat, 2025-11-13	gpt-5.1-codex, 2025-11-13	gpt-5.1-codex-mini, 2025-11-13	gpt-5-pro, 2025-10-06	gpt-5, 2025-08-07	gpt-5-mini, 2025-08-07	gpt-5-nano, 2025-08-07
australiaeast	-	-	-	-	-	-	-	✓	✓	✓

Not all models are available in every region!

Link: [Foundry Models sold directly by Azure - Microsoft Foundry | Microsoft Learn](#)

GPT-4o and GPT-4 Turbo

Show 11 more

Was this page helpful?

Yes No

Region	gpt-5.2-codex, 2026-01-14	gpt-5.2, 2025-12-11	gpt-5.2-chat, 2025-12-11	gpt-5.1-codex-max, 2025-12-04	gpt-5.1, 2025-11-13	gpt-5.1-chat, 2025-11-13	gpt-5.1-codex, 2025-11-13	gpt-5.1-codex-mini, 2025-11-13	gpt-5-pro, 2025-10-06	gpt-5-codex, 2025-09-15	gpt-5, 2025-08-07	gpt-5-mini, 2025-08-07	gpt-5-turbo, 2025-07-21
australiaeast	-	-	-	-	✓	✓	✓	✓	-	-	✓	✓	-
brazilsouth	-	-	-	-	-	-	-	-	-	-	✓	✓	-
canadacentral	-	-	-	-	-	-	-	-	-	-	-	-	-
canadaeast	-	-	-	-	✓	✓	✓	✓	-	-	✓	✓	-
centralus	-	-	-	-	-	-	-	-	✓	✓	✓	✓	-
eastus	-	-	-	-	-	-	-	-	-	-	✓	✓	-
eastus2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-
francecentral	-	-	-	-	-	-	-	-	-	-	✓	✓	-
germanywestcentral	-	-	-	-	-	-	-	-	-	-	✓	✓	-
italynorth	-	-	-	-	-	-	-	-	-	-	✓	✓	-
japaneast	-	-	-	-	✓	✓	✓	✓	-	-	✓	✓	-
koreacentral	-	-	-	-	✓	✓	✓	✓	-	-	✓	✓	-
northcentralus	-	-	-	-	-	-	-	-	-	-	✓	✓	-
norwayeast	-	-	-	-	-	-	-	-	-	-	✓	✓	-
polandcentral	-	-	-	-	-	-	-	-	-	-	✓	✓	-
southafricanorth	-	-	-	-	-	-	-	-	-	-	✓	✓	-
southcentralus	-	✓	-	-	-	-	-	-	-	-	✓	✓	-
southeastasia	-	-	-	-	-	-	-	-	-	-	✓	✓	-
southindia	-	-	-	-	-	-	-	-	-	-	✓	✓	-
swedencentral	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-
switzerlandwest	-	-	-	-	-	-	-	-	-	-	-	-	-
uaenorth	-	-	-	-	-	-	-	-	-	-	✓	✓	-
uksouth	-	-	-	-	✓	✓	✓	✓	-	-	✓	✓	-
westeurope	-	-	-	-	-	-	-	-	-	-	✓	✓	-

As of January 25, 2026, gpt-5.2-codex and gpt-5.1 max are only available in the **US East 2** and **Sweden Central** regions. Model availability depends on region and may change over time. Check the official region availability table.

For many day-to-day tasks, GPT-5.1-Codex is often sufficient.

Official Documentation (Azure Codex)

The screenshot shows the Microsoft Learn documentation page for 'Codex with Azure OpenAI in Foundry Models'. A red rounded rectangle highlights the URL <https://learn.microsoft.com/en-us/azure/ai-foundry/openai/how-to/codex>, with a red arrow pointing to the 'Link:' text. The page includes a left sidebar with a search bar and a list of topics under 'Codex'. The main content area contains an introduction to the Codex CLI, a list of prerequisites, and a table of requirements.

Version
Microsoft Foundry (classic)

Find by title

- Codex
- Computer Use
- Deep research
- Web search
- Function calling
- Predicted outputs
- Prompt caching
- Structured outputs
- Vision-enabled chats
- > Additional features
- > Embeddings
- Evaluation
- > Image & video generation
- Stored completions
- Webhooks
- > Concepts
- > How-to

Download PDF

Codex with Azure OpenAI in Foundry Models

OpenAI's [Codex CLI](#) is the same coding agent that powers ChatGPT's [Code Interpreter](#), but it's designed to run entirely on Azure infrastructure, while keeping your data inside your organization's security boundary with the added advantages of enterprise-grade security, private network access control, and predictable cost management. Codex is more than a simple code agent – it's an asynchronous coding agent that can be triggered from your terminal, VS Code, or from a GitHub Actions runner. Codex allows you to automatically open pull requests, refactor files, and write tests with the credentials of your Foundry project and Azure OpenAI deployments.

Prerequisites

- An Azure subscription - [Create one for free](#)
- Contributor permissions in [Microsoft Foundry](#).
- [homebrew](#) or [npm](#) for installing the Codex CLI or VS Code with the Codex extension.

Requirements	Details
Operating systems	macOS 12+, Ubuntu 20.04+/Debian 10+, or Windows 11 via WSL2
Git (optional, recommended)	2.23+ for built-in pull request helpers

Expand table

Was this page helpful?

Yes No

2. Deploying Codex in Azure

Screenshots and important notes at each configuration step.

Home - Microsoft Azure | Azure OpenAI Service - 価格 | Micr... | azure pricing gpt-5 codex - 検索 | Azure OpenAI Service - Pricing | M... | +

https://portal.azure.com/#home

Microsoft Azure

Foundry

Copilot

Azure services

Create a resource

Subscriptions

Network Watcher

More services

Resources

Recent Favorite

Name	Last Viewed
1923306880-YamakataTrainin	a few seconds ago
UTCodexGP2026	14 minutes ago
yamakata-gpt5	5 days ago

Services (3)

Services

- Microsoft Foundry
- Language
Keywords: Foundry
- Network foundation

Microsoft Entra ID [See more](#)

- ai-foundry-shared-playground-ai-foundry-shar... Application
- lscf-ai-foundry-swc1-resource-lscf-ai-foundry-... Application
- ai-foundry-CyberAgent-ttani-ai-foundry-Cyber... Application
- monkeyplayground-foundry Service Principal

Marketplace [See more](#)

Continue searching in Microsoft Entra ID

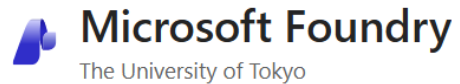
Searching all subscriptions. [Change](#) [Give feedback](#)

Open "Azure Portal" with your UT Account.
<https://portal.azure.com/>

Search and click "Microsoft Foundry"

Azure OpenAI

Home > Microsoft Foundry

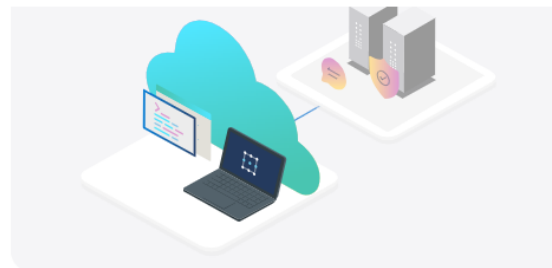


Search

Overview Dashboard

Overview

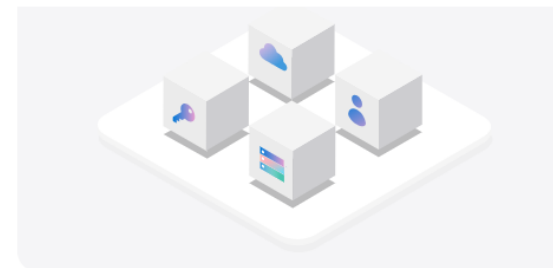
- All resources
- > Use with Foundry
- > More services
- > Classic AI services
- > Help



Create a Foundry Resource

Start building a Foundry resource to start building, customizing and evaluating AI solutions using Foundry.

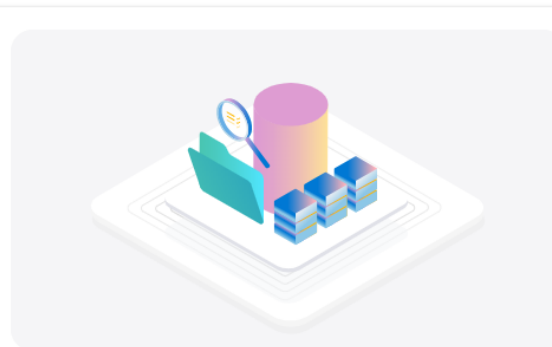
Create a resource



Manage AI Resources

View and manage all your AI services.

View all resources



Home > Microsoft Foundry | Foundry >

Create a Foundry resource

Basics Storage Network Identity Encryption Tags Review + create

Design, customize, and manage AI apps and agents at scale. [Learn More](#)

Instance Details

Select the subscription to manage deployed resources and costs. Use resources group to manage all your resources.

Subscription * ⓘ

1923306880-YamakataTraining

Resource group * ⓘ

[Create new](#)

Name * ⓘ

Region ⓘ

East US

Previous

Next

Review + create

[Give feedback](#)

If you own multiple subscriptions, select the one you want to associate this time from the list.

Home > Microsoft Foundry | Foundry >

Create a Foundry resource

Basics Storage Network Identity Encryption Tags Review

Design, customize, and manage AI apps and

Instance Details

Select the subscription to manage deployed resources and manage all your resources.

Subscription * ⓘ

Resource group * ⓘ

Name * ⓘ

Region ⓘ

A resource group is a container for related resources for an Azure solution.

Name *

UTokyoAzureGP2026 ✓

OK

Cancel

[Create new](#)

Creating a separate resource group for each research project makes it easy to delete all related resources simply by deleting that resource group once the project is complete.

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Create a Foundry resource

Basics Storage Network Identity Encryption Tags Review + create

Design, customize, and manage AI apps and agents at scale. [Learn More](#)

Instance Details

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

Subscription * ⓘ 1923306880-YamakataTraining

Resource group * ⓘ (New) UTokyoAzureGP2026

[Create new](#)

Name * ⓘ UTokyoAzureGP2026CodeAI

Region ⓘ East US 2

This "Name" will be used for endpoint URI so it has to be globally unique.

If you want to use gpt-5.2-codex or gpt-5.1 max, choose East US 2 or Sweden Central.

Previous Next **Review + create**

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Create a Foundry resource

⋮

✕

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

🔗 [View automation template](#)

Basics

Subscription	1923306880-YamakataTraining
Resource group	UTokyoAzureGP2026
Name	UTokyoAzureGP2026CodeAI
Region	East US 2
Default project name	proj-default

Storage

[Home](#) > [Microsoft Foundry | Foundry](#) >

Create a Foundry resource

■ ■ ■ Initializing deployment... ✕

Initializing template deployment to resource group 'UTokyoAzureGP2026'.

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

🔗 [View automation template](#)

Basics

Subscription	1923306880-YamakataTraining
Resource group	UTokyoAzureGP2026
Name	UTokyoAzureGP2026CodeAI
Region	East US 2
Default project name	proj-default

Storage

Home >

AIFoundryCreate-20251228180537 | Overview

Deployment

Search

Delete

Cancel

Redeploy

Download

Refresh

Overview

Inputs

Outputs

Template

Deployment is in progress

Deployment name : AIFoundryCreate-20251228180537

Subscription : 1923306880-YamakataTraining

Resource group : UTokyoAzureGP2026

Start time : 12/28/2025, 6:25:15 PM

Correlation ID : 3c706cb5-9b0c-4623-aa23-653ae74ec4f9

Deployment details

Resource	Type	Status	Operation deta

There are no resources to display.

Home >



AIFoundryCreate-20251228180537 | Overview

Deployment

Search

Delete Cancel Redeploy Download

Overview

Inputs

Outputs

Template



Your deployment is complete



Deployment name : AIFoundryCreate-20251228180537
Subscription : 1923306880-YamakataTraining
Resource group : UTokyoAzureGP2026
Start time : 12/28/2025, 6:25:18 PM
Correlation ID : 3c706cb5-9b0c-4623-aa23-653ae74ec4f9

> Deployment details

✓ Next steps

Go to resource




Deployment succeeded

Deployment 'AIFoundryCreate-20251228180537' to resource group 'UTokyoAzureGP2026' was successful.

Go to resource





Go to resource group

Home > AIFoundryCreate-20251228180537 | Overview >



UTokyoAzureGP2026CodeAI

Foundry




Show platform metrics for this AI resource +2

X

Search



 Go to Foundry portal  Delete

Overview

- Activity log
- Access control (IAM)
- Tags
- Diagnose and solve problems
- Resource visualizer
 - > Resource Management
 - > Security
 - > Monitoring
 - > Automation
 - > Help

Essentials

Resource group ([move](#))
[UTokyoAzureGP2026](#)

Subscription ([move](#))
[1923306880-YamakataTraining](#)

Subscription ID
a600356d-63a3-483e-b4bb-59629c01a212

Endpoints
[Click here to view endpoints](#)

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

API Kind
AIService

Location
eastus2

Status
Succeeded

JSON View



Scroll down



Home > AIFoundryCreate-20251228180537 | Overview >

UTokyoAzureGP2026CodeAI

Foundry



Show platform metrics for this AI resource

+2



Search



Go to Foundry portal



Delete

Overview



Activity log



Access control (IAM)



Tags



Diagnose and solve problems



Resource visualizer



Resource Management



Security



Monitoring



Automation



Help

Subscription ID

a600356d-63a3-483e-b4bb-59629c01a212

Status

Succeeded

Endpoints

[Click here to view endpoints](#)

Tags [\(edit\)](#)

[Add tags](#)



Build apps and agents in Foundry

Unlock advanced AI capabilities, seamlessly integrate with your systems, and accelerate AI application development with Foundry.

Go to Foundry portal

UTokyoAzureGP2026CodeAI - Micr X Overview - Microsoft Foundry

https://ai.azure.com/foundryProject/overview?wsid=/subscriptions/a600356d-63a3-483e-b4bb-59629c01a212/resourceGroups/UTokyoAzureGP2026/providers/M...

Microsoft Foundry / proj-default / Overview

New Foundry Docs All resources 4 UTokyoAzureGP2026CodeAI (eastus2, S0)

Overview

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Tracing PREVIEW

Monitoring

Protect and govern

Evaluation PREVIEW

Guardrails + controls

Risks + alerts PREVIEW

Governance PREVIEW

Azure OpenAI

Stored completions

Batch jobs

My assets

proj-default

Default project created with the resource

Endpoints and keys

[View all endpoints](#)

.....

Libraries

- Microsoft Foundry
- Azure OpenAI
- Azure AI Services

Use the following endpoint to call all your deployed base models:

Microsoft Foundry project endpoint

<https://utokyoazuregp2026codeai.services.ai.azure.com/api/>

{x} API documentation

Project details

Project resource ID
</subscriptions/a600356d-63a3-483e-b4bb-59629c01a212/resourceGroups/UTokyoAzureGP2026/providers/Microsoft.CognitiveServices/projects/UTokyoAzureGP2026>

Subscription
1923306880-YamakataTraining

Subscription ID
[a600356d-63a3-483e-b4bb-59629c01a212](#)

Resource group
[UTokyoAzureGP2026](#)

Location
eastus2

Manage project settings

- Add users
- View quota
- Connect resources
- Track costs

[Open in management center](#)

Nail the basics with these steps

新しいタブ x Model catalog - Microsoft Foundry x +

https://ai.azure.com/resource/models?wsid=/subscriptions/a600356d-63a3-483e-b4bb-59629c01a212/resourceGroups/codeAI/providers/Microsoft.CognitiveServices/accounts/code... A ⓘ ☆ ☆ ⋮

Microsoft Foundry / firstProject / Model catalog New Foundry Docs All resources 4 codeAI-test (eastus2, S0) ⓘ

Find the right model to build your custom AI solution

Models shown are available for deployment in this project. [See all models](#)

Model leaderboards

See what models are performing best in different criteria. [Learn more](#) about our scoring methodology. [Browse leaderboards](#)

Quality ⓘ

- gpt-5.2-codex
- gpt-5.2
- claude-opus-4-5

Safety ⓘ

-
-
-

Cost ⓘ


-
-
-


Throughput ⓘ


- gpt-oss-120b
- gpt-5-nano
- grok-code-fast-1


[Compare models](#)


codex

 **codex-mini**
Responses

 **gpt-5.1-codex-max**
Responses

 **gpt-5.1-codex**
Responses

 **gpt-5.1-codex-mini**
Responses

 **gpt-5.2-codex**
Responses

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Models 6

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Guardrails + controls
Risks + alerts PREVIEW
Governance PREVIEW
Azure OpenAI
Stored completions
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Data + indexes
Models + endpoints

Search with “codex” and you can find the list of available models.

When you chose “gpt 5.2-codex”

UTokyoAzureGP2026CodeAI2 - M x gpt-5.2-codex - Microsoft Foundr x +

https://ai.azure.com/resource/models/gpt-5.2-codex/version/2026-01-14/registry/azure-openai?wsid=/subscriptions/f3157573-4d29-4d57-b6ce-cf8688e68855/resourceGroups/UTokyoAzureG... A ☆ ☆ ☆

Microsoft Foundry / proj-default / Models / gpt-5.2-codex New Foundry Docs All resources 4 UTokyoAzureGP2026CodeAI2 (eastus2, S0)

gpt-5.2-codex ? Help

Overview Model catalog Playgrounds Build and customize Agents Templates Fine-tuning Content Understanding Observe and optimize Tracing PREVIEW Monitoring Protect and govern Evaluation PREVIEW Guardrails + controls Risks + alerts PREVIEW Governance PREVIEW Azure OpenAI Stored completions Batch jobs My assets Data + indexes Models + endpoints

Use this model Fine-tune

Registration is required to use this model: Access will be granted according to Microsoft's eligibility criteria; you may not be eligible for access at this time. If you have already requested access, thank you for your patience while your submission is reviewed. Request access

Details Existing deployments License

Direct from Azure model

Direct from Azure models are a select portfolio of models that are:

- Secure and managed by Microsoft: Pure Microsoft, no third-party dependencies, support, and no third-party dependencies.
- Streamlined operations: Benefit from unified billing, governance, and seamless PTU portability across models hosted on Azure - all part of Microsoft Foundry.
- Future-ready flexibility: Access the latest models as they become available, and easily test, deploy, or switch between them within Microsoft Foundry, reducing integration effort.

See more

Model Versions

Access to the model is required to be able to see the model versions:

Access will be granted according to Microsoft's eligibility criteria; you may not be eligible for access at this time. If you have already requested access, thank you for your patience while your submission is reviewed.

Request access

Data, media and languages

Property	Description

Direct from Azure

Training data last updated
September 2024

Pricing
See pricing

Model ID
Reference this model ID when deploying the model in code

```
azureml://registries/azure-openai/models/gpt-5.2-codex/versions/2026-01-14
```

If this button is available, go to the slide #28.

If you see "Registration is required to use this model," click "Request access."

Azure OpenAI Services Limited Access Application

Fill out the form to register.
Note "Subscription ID" is not
the name of "Subscription".

* 必須

Please read all instructions carefully and complete form as instructed

The Azure OpenAI Service gpt-5.2, gpt-5.1, gpt-5, gpt-5-pro, gpt-5.2-codex, gpt-5.1-codex-max, gpt-5.1-codex, gpt-5-codex, o3, o3-pro, deep research, reasoning summary, Sora 2, gpt-image-1.5, gpt-image-1, and gpt-image-1-mini require registration. Due to high demand, customers may remain on the waitlist until space is available.

Other models (listed [here](#)) do not require registration. [Learn more about limited access to Azure OpenAI Service here.](#)

Please visit the [Overview of Responsible AI Practices](#) and [Azure OpenAI's transparency note](#), which provides information and guidelines for responsible use of the service as well as system limitations that may be applicable to your scenario.

Possible causes for a denied application:

- 1) You submitted an invalid subscription
- 2) You submitted with a personal email (Example: [@gmail.com](#), [@yahoo.com](#), [@hotmail.com](#), etc.)

Updates about your request: Please add maccount@microsoft.com and csdate@microsoft.com to your Safe Senders

UTokyoAzureGP2026CodeAI2 - M x Overview - Microsoft Foundry x Azure OpenAI Services Limited Ac x Azure portal でサブスクリプション ID x +

https://ai.azure.com/foundryProject/overview?wsid=/subscriptions/f3157573-4d29-4d57-b6ce-cf8688e68855/resourceGroups/UTokyoAzureGP2026/providers/Microsoft.CognitiveServices/acco... A ☆ ☆ ☆

Microsoft Foundry / proj-default / Overview

New Foundry Docs All resources 4 UTokyoAzureGP2026CodeAI2 (eastus2, S0)

proj-default

Default project created with the resource

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Monitoring

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Evaluation PREVIEW

Guardrails + controls

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Endpoints and keys

[View all endpoints](#)

API Key

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Libraries

Microsoft Foundry

Azure

Azure

Project details

Project resource ID

/subscriptions/f3157573-4d29-4d57-b6ce-c...

Subscription

1558042292-PhysAI

Subscription ID

f3157573-4d29-4d57-b6ce-cf8688e68855

Resource group

UTokyoAzureGP2026

Location

eastus2

Manage project settings

- Add users
- View quota
- Connect resources
- Track costs

[Open in management center](#)

You can find the subscription ID in the "Overview" page of the Microsoft Foundry.

Nail the basics with these steps

Define + explore

Build + customize

Observe + optimize

Protect + govern

Choose the right model → Build with agents → Debug with tracing → Evaluate quality and safety →

Approved within 2 hours,
but it depends on the timing.

[Application 3320500] Thank you for your request for the Azure OpenAI Service models! External 受信トレイ x



Cognitive Services Gating Support <csgate@microsoft.com>

2025/11/21 17:56



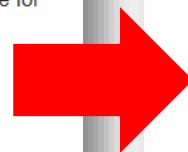
To

Thank you for your interest

Thank you for your application for the Azure OpenAI Service gpt-5.1, gpt-5, gpt-5-pro, gpt-5.1-codex, gpt-5-codex, o3, o3-pro, deep research, Sora 2, gpt-image-1, and gpt-image-1-mini. Due to high demand, we do not have an estimated time for onboarding eligible customers. We will notify you when your application has been approved or denied.

Sincerely,
Azure OpenAI Service Gating Team
[Azure OpenAI Service](#)

Microsoft respects your privacy. Review our online [Privacy Statement](#)
Microsoft Corporation
One Microsoft Way
Redmond, WA, USA 98052



Welcome to the Azure OpenAI Service models! [ApplicationID 3320500] External



Cognitive Services Gating Support <csgate@microsoft.com>

2025/11/21 19:03



To

Onboarding to the Azure OpenAI Service gpt-5.1, gpt-5, gpt-5-pro, gpt-5-codex, o3, o3-pro, deep research, Sora 2, gpt-image-1, and gpt-image-1-mini

Congratulations! After reviewing your application, we are pleased to inform you that you have been onboarded to the Azure OpenAI Service gpt-5, gpt-5-pro, gpt-5-codex, o3, o3-pro, deep research, Sora 2, gpt-image-1, and gpt-image-1-mini models.

To get started, please see our [documentation](#).

Questions? Need help? Visit Support and Troubleshooting within the Azure Portal

Subscription ID: [REDACTED]

Thank you,

Azure OpenAI Service Gating Team
[Azure OpenAI Service](#)

Microsoft respects your privacy. Review our online [Privacy Statement](#)
Microsoft Corporation
One Microsoft Way
Redmond, WA, USA 98052

新しいタブ

gpt-5.2-codex - Microsoft Foundr

+

https://ai.azure.com/resource/models/gpt-5.2-codex/version/2026-01-14/registry/azure-openai?wsid=/subscriptions/a600356d-63a3-483e-b4bb-59629c01a212/resourceGroups/codeAI/p...

Microsoft Foundry / firstProject / Models / gpt-5.2-codex

New Foundry

Docs

All resources

codeAI-test (eastus2, S0)

?

Help

Overview

Model catalog

Playgrounds

Build and customize

Agents

Templates

Fine-tuning

Content Understanding

Observe and optimize

Tracing

Monitoring

Protect and govern

Evaluation

Guardrails + controls

Risks + alerts

Governance

Azure OpenAI

Stored completions

Batch jobs

My assets

Data + indexes

Models + endpoints

gpt-5.2-codex

Use this model

Now you can click "Use this model."

Details

Existing deployments

Licenses

Direct from Azure models

Direct from Azure models are a select portfolio curated for their market-differentiated capabilities:

- Secure and managed by Microsoft: Purchase and manage models directly through Azure with a single license, consistent support, and no third-party dependencies, backed by Azure's enterprise-grade infrastructure.
- Streamlined operations: Benefit from unified billing, governance, and seamless PTU portability across models hosted on Azure - all part of Microsoft Foundry.
- Future-ready flexibility: Access the latest models as they become available, and easily test, deploy, or switch between them within Microsoft Foundry, reducing integration effort.

[See more](#)

Model Versions

[Learn more about region availability](#)

East US 2

Model ID	Deployment type	Lifecycle	Max request	Retirement Date
2026-01-14	Global Standard	Generally available	Input: N/A Output: N/A	2027年1月14日(木)

Data, media and languages

Property	Description
Supported data types	Inputs text, image Outputs text

Quick facts

OpenAI

gpt-5.2-codex

Responses

Direct from Azure

Training data last updated
September 2024

Pricing
[See pricing](#)

Model ID

Reference this model ID when deploying the model in code

azureml://registries/azure-openai/models/gpt-5.2-codex/versions/2026-01-14

1923306880-YamakataTraining - 1 x

gpt-5.2-codex - Microsoft Foundr x

+

←↻🔒https://ai.azure.com/resource/models/gpt-5.2-codex/version/2026-01-14/registry/azure-openai?wsid=/subscriptions/a600356d-63a3-483e-b4bb-59629c01a212/resourceGroups/codeAI/provid...A🌟🔖👤⋮🌈

Microsoft Foundry / firstProject ▾ / Models / gpt-5.2-codex

🔌 New Foundry

🔄 Docs

All resources 4

⚙️😊codeAI-test (eastus2, S0) ▾👤

🏠 Overview

📖 Model catalog

💬 Playgrounds

Build and customize ▾

🔧 Agents

📄 Templates

🔧 Fine-tuning

📄 Content Understanding

Observe and optimize ▾

🔍 Tracing PREVIEW

📊 Monitoring

Protect and govern ▾

📊 Evaluation PREVIEW

🛡️ Guardrails + controls

🗨️ Risks + alerts PREVIEW

🏛️ Governance PREVIEW

Azure OpenAI ▾

📄 Stored completions

📄 Batch jobs

My assets ▾

📄 Data + indexes

📦 Models + endpoints

gpt-5.2-codex

▶️ Use this model

Fine-tune

Details

Existing deployments

Direct from Azure

Direct from Azure models are a s

- Secure and managed by Mic
- Streamlined operations: Ben
- Future-ready flexibility: Acc

See more

Model Versions

Learn more about region availabi

East US 2 ▾

Model ID

2026-01-14

Data, media and languages

Property	Description
Supported data types	Inputs text, image Outputs text

Quick facts

OpenAI

gpt-5.2-codex

Responses

Direct from Azure ⓘ

Training data last updated
September 2024

Pricing
See pricing 📄

Model ID

Reference this model ID when deploying the model in code

azureml://registries/azure-openai/models/gpt-5.2-codex/versions/2026-01-14 📄

Deploy gpt-5.2-codex

Deployment name *

gpt-5.2-codex

Deployment type

Global Standard ▾

Global Standard: Pay per API call with the highest rate limits. Learn more about [Global deployment types](#) 📄.

Data might be processed globally, outside of the resource's Azure geography, but data storage remains in the AI resource's Azure geography. Learn more about [data residency](#) 📄.

Deployment details

Customize

Model version	2026-01-14	Authentication type	Key
Capacity	250K tokens per minute (TPM)	Resource location	East US 2
Content safety	DefaultV2	Version upgrade policy	Once a new default version is available

Deploy

Cancel

1923306880-YamakataTraining - 1 x gpt-5.2-codex - Microsoft Foundry

https://ai.azure.com/resource/deployments/%2Fsubscriptions%2Fa600356d-63a3-483e-b4bb-59629c01a212%2FresourceGroups%2FcodeAI%2Fproviders%2FMicrosoft.CognitiveServices%2Facc...

Microsoft Foundry / firstProject / Deployments / gpt-5.2-codex

New Foundry Docs All resources 4 codeAI-test (eastus2, S0)

gpt-5.2-codex

Details Metrics

Request quota Edit Delete

Endpoint

Target URI

https://codeai-test.cognitiveservices.azure.com/openai/r...

Key

.....

Language REST SDK curl Authentication type Key Authentication

Get Started

1. Authentication using API Key

For Serverless API Endpoints, deploy the Model to generate the endpoint URL and an API key to authenticate against the service. In this sample 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 deployment is ready.

If you're using bash:

```
export AZURE_API_KEY="<your-api-key>"
```

If you're in powershell:

```
$Env:AZURE_API_KEY = "<your-api-key>"
```

If you're using Windows command prompt:

```
set AZURE_API_KEY = <your-api-key>
```

2. Run a basic code sample

Paste the following into a shell

```
curl -X POST "https://codeai-test.cognitiveservices.azure.com/openai/responses?api-version=2025-04" -H "Content-Type: application/json" \ -H "Authorization: Bearer AZURE_API_KEY" \
```

Deployment info

Name	gpt-5.2-codex	Provisioning state	Succeeded
Deployment type	Global Standard	Created on	2026-01-25T08:51:09.9659016Z
Created by	1923306880@utac.u-tokyo.ac.jp	Modified on	Jan 25, 2026 5:51 PM
Modified by	1923306880@utac.u-tokyo.ac.jp	Version upgrade policy	Once a new default version is available
Rate limit (Tokens per minute)	250,000	Rate limit (Requests per minute)	2,500
Model name	gpt-5.2-codex	Model version	2026-01-14
Life cycle status	GenerallyAvailable	Date created	Jan 13, 2026 9:00 AM
Date updated		Model retirement date	

My assets

- Data + indexes
- Models + endpoints

Information required for remote access.

This explains how use this model remotely.

3. Preparing VS Code for Codex

Benefits of using VS Code with Codex and how to install necessary tools.

Why VS Code?

- **Widely used** and has **strong support for AI coding extensions**, Git, and an integrated terminal.
- **Lightweight and fast**, yet powerful enough for large projects.
- **Rich extension ecosystem**, supporting AI coding tools, linters, debuggers, and language servers.
- **Integrated terminal**, making it easy to run commands without leaving the editor.
- **Excellent Git integration**, including stage, commit, diff, and history views.
- **Cross-platform support** (Windows, macOS, Linux) with a consistent experience.
- **Customizable UI and keybindings**, allowing developers to tune the environment to their workflow.
- The **Codex extension** makes it easy to integrate with **Azure Codex**

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gpt-5.2-codex - Microsoft Foundr x

Download Visual Studio Code - M x

+

https://code.visualstudio.com/download

Visual Studio Code Docs Updates Blog API Extension

Version 1.108 is now available! Read about the new features and fixes from December.

Download Visual Studio Code

Free and built on open source. Integrated Git, debugging and extensions.

Windows

Windows 10, 11

User Installerx64Arm64

System Installerx64Arm64

.zipx64Arm64

CLIx64Arm64

.deb

Debian, Ubuntu

.rpm

Red Hat, Fedora, SUSE

x64Arm32Arm64

x64Arm32Arm64

x64Arm32Arm64

Snap Store

x64Arm32Arm64

Mac

macOS 11.0+

.zipIntel chipApple siliconUniversal

CLIIntel chipApple silicon

By downloading and using Visual Studio Code, you agree to the [license terms](#) and [privacy statement](#).

Want new features sooner?

Get the [Insiders build](#) instead.

Use [vscode.dev](#) for quick edits online!

GitHub, Azure, Pages, and local

- If you want to use Codex with an existing project, open that folder.
- Here is an example to open an empty folder to create a new program.

Visual Studio

Editing evolved

Start

- New File...
- Open File...
- Open Folder...**
- Clone Git Repository...
- Connect to...

Recent

BERT ~/research/l_wang [SSH: iroha]
yamakata /home [SSH: iroha]
BERT ~/research/l_wang [SSH: winry]
Multitask-Learning-for-Food-Ingredient-Recognition ~/research/l_wang [SSH: ...]
MapView /var/www/html [SSH: mdx]
More...

GitHub Copilot

Supercharge your coding experience for as little as \$10/month with cutting edge AI code generation.

Walkthroughs

- Get Started with VS Code**
Discover the best customizations to make VS Code yours.
- Learn the Fundamentals**
- Boost your Productivity**
- Get Started with Python Development** Updated
- Get Started with Jupyter Notebooks** Updated

EXPLORED

▼ SAMPLECODE

Start

- New File...
- Open File...
- Open Folder
- Connect to...

Recent

- BERT ~/research
- yamakata /home
- BERT ~/research
- Multitask-Learning
- MapView /var/
- More...

OUTLINE

TIMELINE

Visual Studio Code

Editing evolved

Do you trust the authors of the files in this folder?

Code provides features that may automatically execute files in this folder.

If you don't trust the authors of these files, we recommend to continue in restricted mode as the files may be malicious. See [our docs](#) to learn more.

C:\Users\yamak\Dropbox\情報基盤センター\Azure\20260213説明会\SampleCode

☐ Trust the authors of all files in the parent folder '20260213説明会'

Yes, I trust the authors

No, I don't trust the authors

[Trust this folder and its subfolders](#) [Browse folder in restricted mode](#)

Recommended

Upgrade your coding experience for as little as \$10/month with GitHub Copilot, an AI code generation tool.

Tutorials

Get Started with VS Code

Discover the best customizations to make VS Code yours.

Learn the Fundamentals

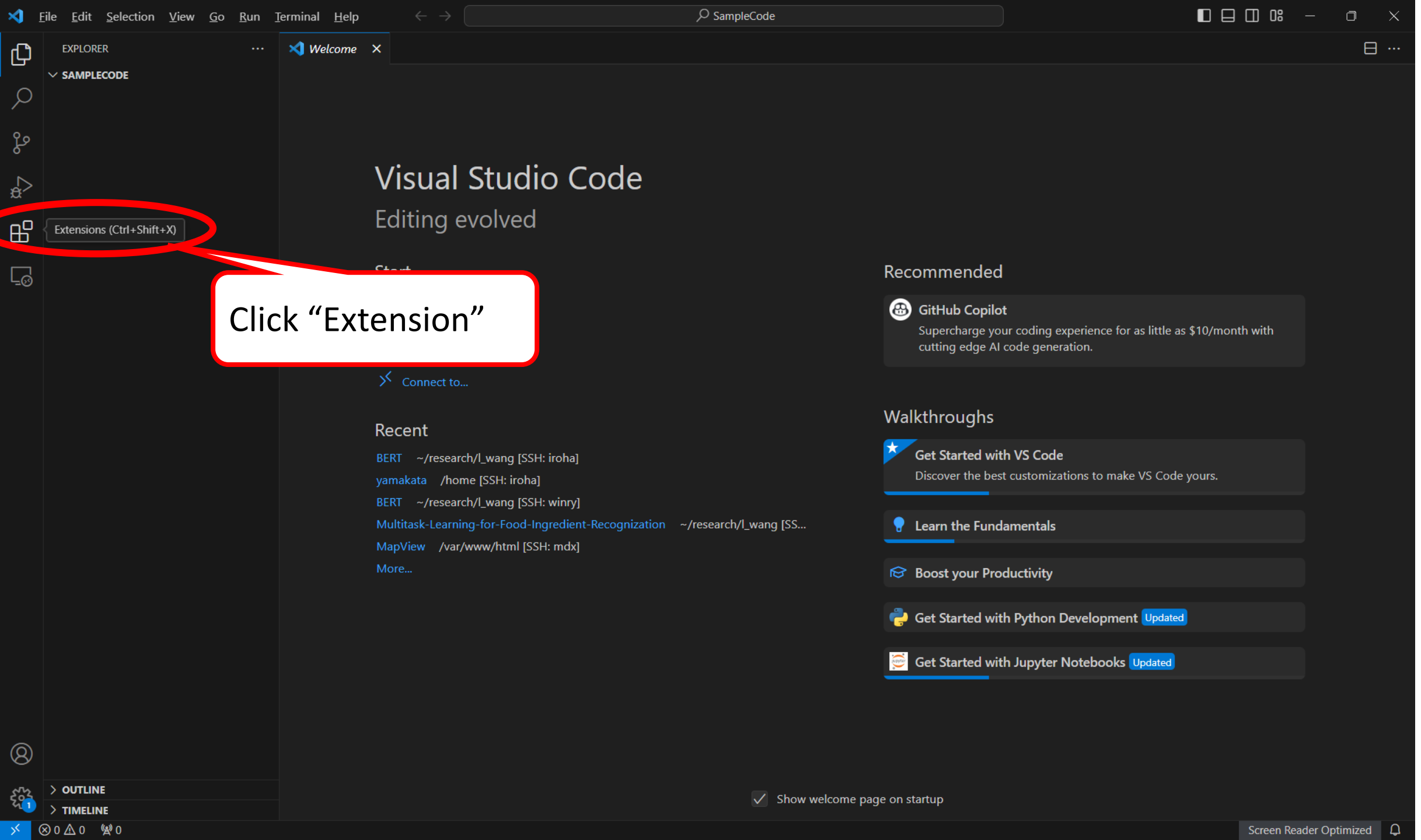
Boost your Productivity

Get Started with Python Development Updated

Get Started with Jupyter Notebooks Updated

☒ Show welcome page on startup

Screen Reader Optimized



Click "Extension"

Search with “codex”

Click “Codex - OpenAI’s coding agent”

The screenshot shows the Visual Studio Code interface with the Extensions Marketplace open. The search bar at the top of the marketplace contains the text "codex". The search results list several extensions, with "Codex - OpenAI's coding agent" by OpenAI being the first result. This extension is highlighted with a red circle. A red arrow points from the search bar to the extension name. The main editor area shows the "Start" and "Walkthroughs" sections. The "Start" section includes links for "New File...", "Open File...", "Open Folder...", "Clone Git Repository...", "Connect to...", and "Generate New Workspace...". The "Walkthroughs" section includes links for "Get started with VS Code", "Learn the Fundamentals", "Get Started with Jupyter Not...", "Browse & Edit Remote Reposi...", and "Getting Started with Contain...". The right sidebar shows the "CHAT" panel with "RECENT SESSIONS" and a "Build with Agent" section.

File Edit Selection View Go Run Terminal Help

EXTENSIONS MARKETPLACE

Search: codex

Codex - OpenAI's coding agent 258ms
Codex is a coding agent that works ...
OpenAI

Codex 3K
Codex is a collection of Visual Studi...
Laczik Dávid

CodeX 1K
A simple minimalistic dark theme fo...
WorriedArrow

Claude Opus 4.5, G... 219K 3.5
Claude 4, GPT-5, DeepSeek R1, AI C...
Sixth

Codex Effect 5K 5
A dark sci-fi color theme inspire...
steamforge

Codex-AI 2K 5
An AI code completion assistant po...
Mohammed Abdul Raffay

codaz codex 184
Codaz

Codex UI 144
Use Codex CLI (app-server) inside V...
harukary7518

Fabarta CodeX 511
AI Autocomplete for OSS code-gen ...
Ruanqi

andromeda codex 675 5
OpenAI's Codex CLI for VScode
ThomasYiu0447

codex-vscode 2K
OpenAI Codex (and more) powered...

Start

- New File...
- Open File...
- Open Folder...
- Clone Git Repository...
- Connect to...
- Generate New Workspace...

Recent

- food-prod [SSH: yamakata-lab2-y-vscode] /var/w...
- SampleCode3 C:\Users\yamak\Dropbox\情報基盤...
- ai-tutor-hey C:\Users\yamak\Documents\projects
- yamakata \\wsl.localhost\Ubuntu\home
- 2025 C:\Users\yamak\Dropbox\講義\MIセンター\...

Walkthroughs

- Get started with VS Code
Customize your editor, learn the basics, and start coding
- Learn the Fundamentals
- Get Started with Jupyter Not... Updated
- Browse & Edit Remote Reposi... Updated
- Getting Started with Contain... Updated

More...

CHAT

RECENT SESSIONS

- コードのリファクタリングをしてくださ... Completed Codex • 1 mo
- Are you Azure? Completed Codex • 1 mo
- Are you Azure? Completed Codex • 1 mo

Show More

Build with Agent

AI responses may be inaccurate.
Generate Agent Instructions to onboard AI onto your codebase.

Add Context...

Describe what to build next

Agent Auto

Show welcome page on startup


Continue (NE)

FileEditSelectionViewGoRunTerminalHelp

SampleCode4

EXTENSIONS: MARKETPLACE

codex




Codex – OpenAI’s coding agent

Codex is a coding agent that works ...

OpenAI

258ms




Codex

Codex gives new meaning to your c...

Codex

52K 5




Codex

Codex is a collection of Visual Studi...

Laczik Dávid

3K




CodeX

A simple minimalistic dark theme fo...

WorriedArrow


1K



Claude Opus 4.5, G

Claude 4, GPT-5, De


Sixth



Codex Effect

A dark sci-fi col


steamforge



Codex-AI

An AI code complet


Mohammed Abdul Ra



codaz codex

Codaz

184




Codex UI

Use Codex CLI (app-server) inside V...

harukary7518

144




Fabarta CodeX

AI Autocomplete for OSS code-gen ...

Ruanqi

511



andromeda codex

OpenAI’s Codex CLI for VScode


ThomasYiu0447

675 5


codex-vscode

OpenAI Codex (and more) powered...

2K



Codex – OpenAI’s coding agent

OpenAI  openai.com | 3,340,268 | ★★★★★ (229)

Codex is a coding agent that works with you everywhere you code — included in ChatGPT Plus, Pro...

Disable

Uninstall

Switch to Pre-Release Version

Auto Update

DETAILS


FEATURES

Codex is OpenAI’s coding agent that helps you write, re

by-side in your IDE or delegate larger tasks to the cloud

Pair with Codex

Visual Studio Code



Can't install 'openai.chatgpt' extension because it is not compatible with the current version of Visual Studio Code (version 1.83.1).

OK

Sign in with your ChatGPT account

Codex works with Plus, Pro, Business, Edu, and Enterprise in your plan at the Help Center.

Learn more about Codex

See the docs at <https://developers.openai.com/codex/ide>.

(MacOS only) Work with the ChatGPT macOS app

The OpenAI Codex extension also supports connecting the ChatGPT macOS app to VS Code so

CHAT

RECENT SESSIONS

• コードのリファクタリングをしてくださ...

Completed

Codex • 1 mo

• Are you Azure?

Completed

Codex • 1 mo

• Are you Azure?

Completed

Codex • 1 mo

Show More

Build with Agent

AI responses may be inaccurate.

Generate Agent Instructions to onboard AI onto your codebase.

Add Context...

Describe what to build next

Agent Auto


Continue (NE)

FileEditSelectionViewGoRunTerminalHelp

SampleCode

EXTENSIONS: MARKETPLACE


openai

**Codex – OpenAI's ...**

95ms

Codex is a coding agent tha...

OpenAI


**vscode-ope...**

109K 4.5

vscode-openai seamlessly in...

Andrew Butson

Install


**OpenAI Deve...**

44K 4.5

Integration with OpenAI mo...

Manas Sahu

Install


**OpenAI Helper**

30K 3

This extension helps you to ...

Akkaya

Install



Codex – OpenAI's coding agent

OpenAI [openai.com](#) | 2,824,000 | ★★★★★ (212)

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Auto Update

DETAILS

FEATURES

Codex is OpenAI's coding agent that helps you write, review, and ship code faster. Use it side-by-side in your IDE or delegate larger tasks to the cloud.

Pair with Codex

Codex as a panel in VS Code to chat, edit, and preview changes seamlessly. With context from opened files and selected code, you get shorter prompts and get faster, more relevant results. (Tip: many users like moving the Codex panel to the right side of the

Delegate to Codex in the cloud

Offload bigger jobs to Codex in the cloud, then track progress and review results without leaving your IDE. For finishing touches, open cloud tasks locally. Codex keeps the context consistent.

Sign in with your ChatGPT account

Codex works with Plus, Pro, Business, Edu, and Enterprise ChatGPT plans. Learn what's included in your plan at the Help Center.

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(MacOS only) Work with the ChatGPT macOS app

The OpenAI Codex extension also supports connecting the ChatGPT macOS app to VS Code so ChatGPT can answer questions or make

Marketplace

Identifier	openai.chatgpt
Version	0.4.56
Published	9 months ago
Last Released	1 week ago

Categories

AI Chat

Resources

License

OpenAI

Marketplace

Codex tab appears so click to open it.

CODEX

11

Sign in with ChatGPT

Use API Key

Cloud tasks disabled with API key



Codex – OpenAI's coding agent

OpenAI [openai.com](#) | 2,824,000 | ★★★★★ (212)

Codex is a coding agent that works with you everywhere you code — included in ChatGPT Plus, Pro, Business, Edu, and Enterprise plans.

Disable Uninstall Switch to Pre-Release Version Auto Update

DETAILS FEATURES

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Marketplace

Identifier	openai.chatgpt
Version	0.4.56
Published	9 months ago
Last Released	1 week ago

Categories

AI Chat

Resources

- License
- OpenAI
- Marketplace





4. Connecting VS Code to Your Azure Codex Deployment

Connect the Codex model to the VS Code using the Endpoint URI and API Key.



Codex – OpenAI's coding agent

OpenAI openai.com 2,824,000 (212)

Disable  Uninstall  Switch to Pre-Release Version  Auto Update 

DETAILS FEATURES

Codex is OpenAI's coding agent that helps you write, review, and ship code faster. Use it side-by-side in your IDE or delegate larger tasks to the cloud.

Pair with Codex

Add Codex as a panel in VS Code to chat, edit, and preview changes seamlessly. With context from opened files and selected code, you can write shorter prompts and get faster, more relevant results. (Tip: many users like moving the Codex panel to the right side of the editor.)

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Marketplace

Identifier	openai.chatgpt
Version	0.4.56
Published	9 months ago
Last Released	1 week ago

Categories

AI Chat

Resources

- License
- OpenAI
- Marketplace

Do not use this function.
These buttons are for the original OpenAI service,
not Azure.

Sign in with ChatGPT

Use API Key

Cloud tasks disabled with API key

(MacOS only) Work with the ChatGPT macOS app

The OpenAI Codex extension also supports connecting the ChatGPT macOS app to VS Code so ChatGPT can answer questions or make

Prepare the configuration file for Codex

To use Azure Codex, you need to create a folder named **".codex"** inside your home directory and place the file **"config.toml"** inside that folder.

On macOS and Linux:

1. Your home directory is usually: **/Users/<your username>**
2. Open Terminal and run: **"mkdir ~/.codex"** to create a folder named **".codex"** in your home directory.
3. Save **"config.toml"** inside that folder: **"~/.codex/config.toml"**

On Windows

1. Open File Explorer
2. Go to **"C:¥Users¥<your username>"**
3. Create a new folder named **".codex"**
4. Put **"config.toml"** inside it:

The config file path: **C:¥Users¥<your username>¥.codex¥config.toml**

Write the following content to the “config.toml” file

Please replace **A** and **B** according to your environment.

A

```
model = "gpt-5.2-codex" # Replace with your Azure deployment name
model_provider = "azure"
model_reasoning_effort = "medium"
```

```
[model_providers.azure]
name = "Azure OpenAI"
base_url = "https://utokyoazuregp2026codeai.cognitiveservices.azure.com/openai/v1"
env_key = "AZURE_OPENAI_API_KEY_GPT52CODEX"
wire_api = "responses"
```

B

It must be “v1”

Writing API keys directly into configuration files poses a **risk of leakage**, so we'll set them as environment variables instead. This is the environment variable name I use.

1923306880-YamakataTraining - 1 x gpt-5.2-codex - Microsoft Foundr x +

https://ai.azure.com/resource/deployments/%2Fsubscriptions%2Fa600356d-63a3-483e-b4bb-59629c01a212%2FresourceGroups%2FcodeAI%2Fproviders%2FMicrosoft.CognitiveServices%2Facc...

Microsoft Foundry / firstProject / Deployments / gpt-5.2-codex

New Foundry Docs All resources codeAI-test

Overview Model catalog Playgrounds Build and customize Agents Templates Fine-tuning Content Understanding Observe and optimize Tracing PREVIEW Monitoring Protect and govern Evaluation PREVIEW Guardrails + controls Risks + alerts PREVIEW Governance PREVIEW Azure OpenAI Stored completions Batch jobs My assets Data + indexes Models + endpoints

← gpt-5.2-codex

Details Metrics

Request quota Edit Delete

Endpoint

Target URI

https://codeai-test.cognitiveservices.azure.com/openai/

Key

.....

Deployment info

Name	gpt-5.2-codex	Provisioning state	Succeeded
Deployment type	Global Standard	Created on	2026-01-25T08:51:09.9659016Z
Created by	1923306880@utac.u-tokyo.ac.jp	Modified on	Jan 25, 2026 5:51 PM
Modified by	1923306880@utac.u-tokyo.ac.jp	Version upgrade policy	Once a new default version is available
Rate limit (Tokens per minute)	250,000	Rate limit (Requests per minute)	2,500
Model name	gpt-5.2-codex	Model version	2026-01-14
Life cycle status	GenerallyAvailable	Date created	Jan 13, 2026 9:00 AM
Date updated		Model retirement date	

Authentication using API Key

Click to copy the API Key

URL and an API key to authenticate against the URL and the API Key. The API endpoint URL and key is deployed.

If you're using bash:

```
export AZURE_API_KEY="<your-api-key>"
```

If you're in powershell:

```
$Env:AZURE_API_KEY = "<your-api-key>"
```

If you're using Windows command prompt:

```
set AZURE_API_KEY = <your-api-key>
```

2. Run a basic code sample

Paste the following into a shell

```
curl -X POST "https://codeai-test.cognitiveservices.azure.com/openai/responses?api-version=2025-04-01-preview" -H "Content-Type: application/json" \ -H "Authorization: Bearer $AZURE_API_KEY"
```

A

B. Use the endpoint target uri up to "/openai/" (do not include responses?api-version=...).
https://utokyoazuregp2026codeai.cognitiveservices.azure.com/openai/
Replace with "v1"

Setting Environment Variables

On macOS and Linux:

1. Open Terminal
2. Add the variable to your shell profile file:

```
echo 'export AZURE_OPENAI_API_KEY_GPT52CODEX="[your-api-key]"' >> ~/.zshrc
```

3. Apply the changes:

```
source ~/.zshrc
```


Replace with your API Key

On Windows:

1. Open Start Menu → type "Environment Variables"
→ select "Edit the system environment variables"
2. Click "Environment Variables ..."
3. Under User variables, click "New..."
4. Set:
 - Variable name: `AZURE_OPENAI_API_KEY_GPT52CODEX`
 - Variable value: `[your-api-key]`
5. Click "OK" to save.

Replace with your API Key

最も一致する検索結果

 システム環境変数の編集
コントロール パネル

🔍 環境変数
検索結果をさらに表示する >

設定

 環境変数を編集 >

Web の検索

🔍 環境変数 設定 - 検索結果をさらに表示する >

🔍 環境変数とは >

🔍 環境変数 path >

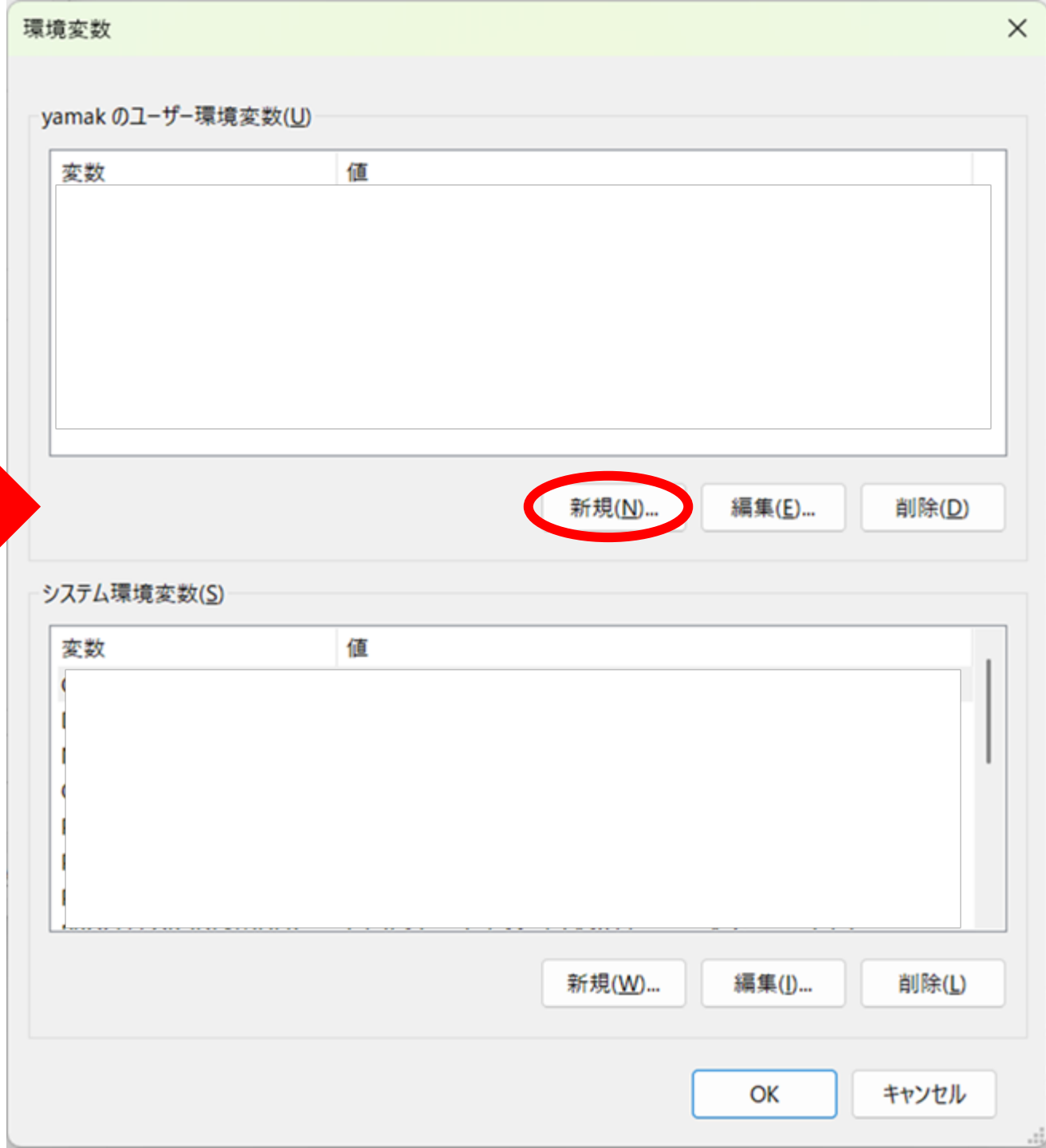
🔍 環境変数 確認 >

🔍 環境変数 windows11 >



システム環境変数の編集
コントロール パネル

🔗 開く



新しいユーザー変数

変数名(N): AZURE_OPENAI_API_KEY_GPT52CODEX

変数値(V):

ディレクトリの参照(D)... ファイルの参照(F)... OK キャンセル

Paste the API Key

Note: Never disclose your API Key to third parties!

Even if your API Key is used fraudulently, you will be held responsible for the associated charges.



Restart VS Code to apply the environment variables,
then it will be ready for use.

If you want to write the api key in the “config.toml” file

Please replace **A** and **B** according to your environment.

A

```
model = "gpt-5.2-codex" # Replace with your Azure deployment name
model_provider = "azure"
model_reasoning_effort = "medium"
```

```
[model_providers.azure]
name = "Azure OpenAI"
base_url = "https://utokyoazuregp2026codeai.cognitiveservices.azure.com/openai/v1"
api_key = "XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX"
wire_api = "responses"
```

B

It must be “v1”

If you store the API key directly in “**config.toml**”, restrict the “**.codex**” directory so that only your user account can read and write it.

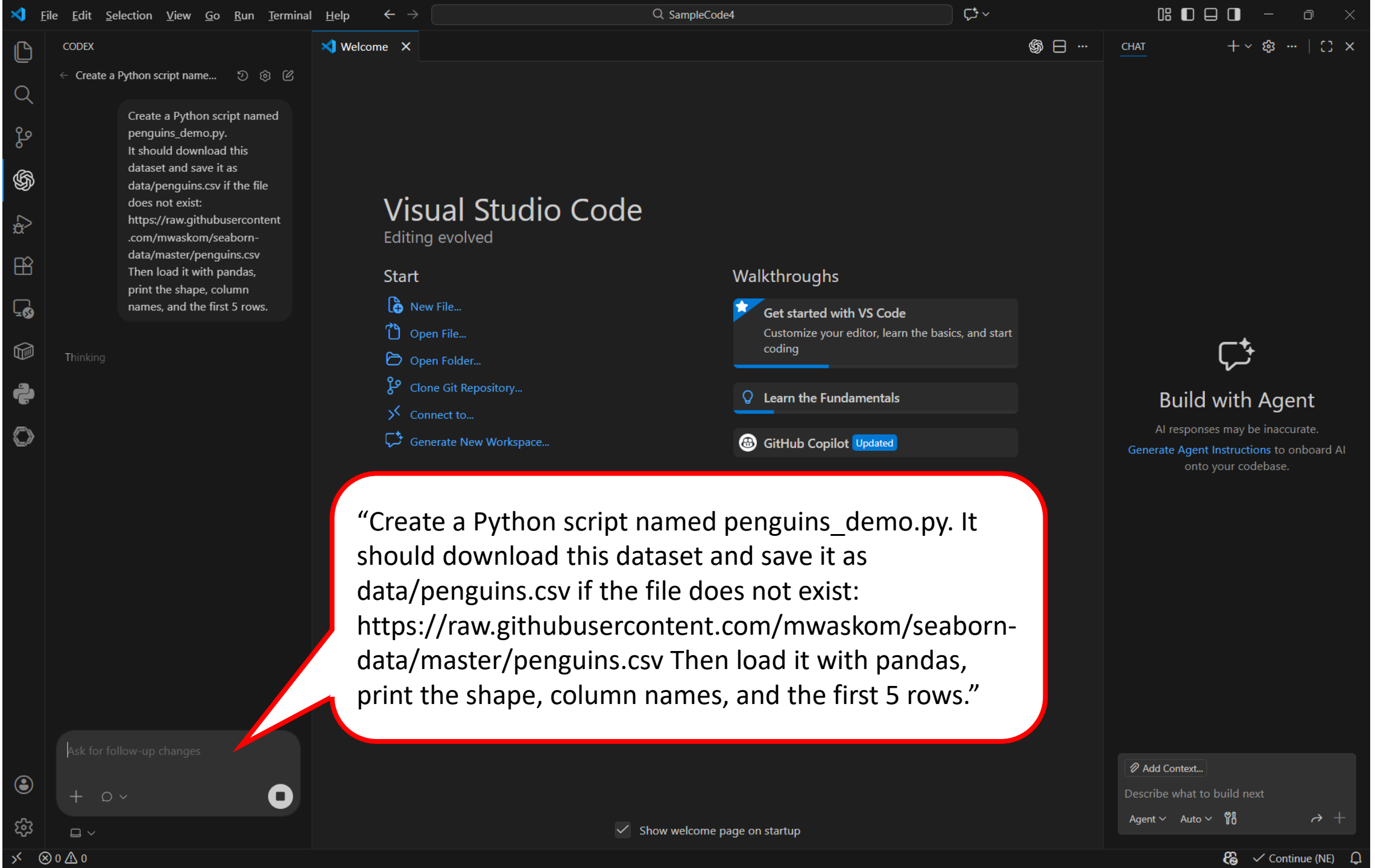
5. Using Codex in VS Code

Example: fetch data, generate code, refine via chat.

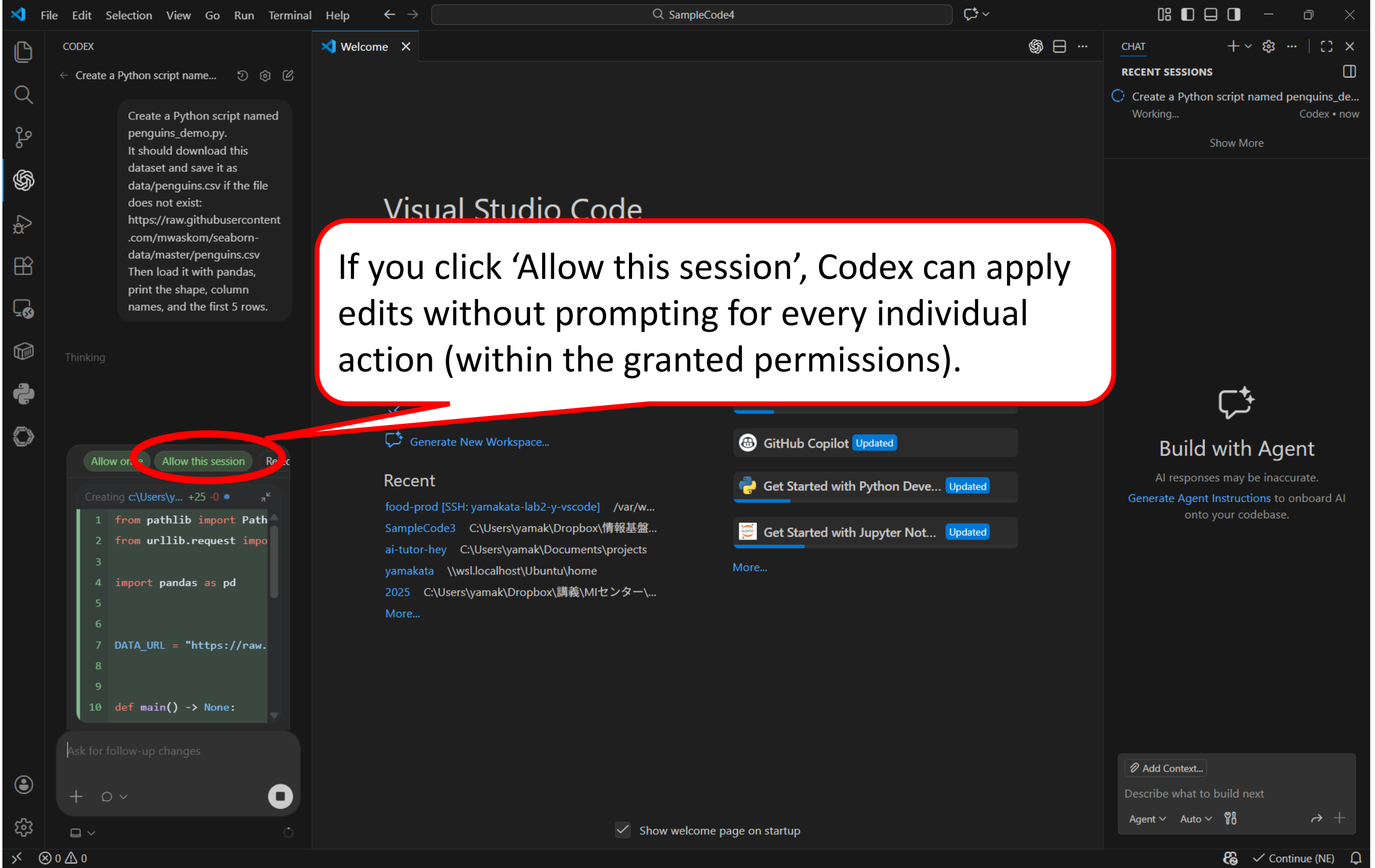
Sample Scenario

The following pages show examples of using Codex for the purposes outlined below.

1. Download body measurement data for three penguin species (CSV file) from the web and extract the sample data at the beginning.
2. Plot the sample size for each species as a bar chart, and plot the distribution of flipper length and body mass for each species as scatter plots.
3. Create a README document explaining how to use the created code.



"Create a Python script named penguins_demo.py. It should download this dataset and save it as data/penguins.csv if the file does not exist: https://raw.githubusercontent.com/mwaskom/seaborn-data/master/penguins.csv Then load it with pandas, print the shape, column names, and the first 5 rows."



FileEditSelectionViewGoRunTerminalHelp

CODEX

← Create a Python script name...

https://raw.githubusercontent.com/mwaskom/seaborn-data/master/penguins.csv
Then load it with pandas,
print the shape, column
names, and the first 5 rows.

Created c:\Users\ya... +25 -0

1 from pathlib import Path

2 from urllib.request import

3

4 import pandas as pd

5

6

7 DATA_URL = "https://raw.g

8

9

10 def main() -> None:

Created the script to download the dataset if missing and then load and print the requested info in `penguins_demo.py`.

Next steps:

1. Run `python penguins_demo.py`

2. (Optional) Add a virtualenv and install `pandas` if needed

1 file changed

Undo

penguins_demo.py +25 -0

Ask for follow-up changes

+

○

↓

↑

Welcome

Visual Studio Code

Editing evolved

Start

New File...

Open File...

Open Folder...

Clone Git Repository...

Connect to...

Generate New Workspace...

Recent

food-prod [SSH: yamakata-lab2-y-vscode] /var/w...

SampleCode3 C:\Users\yamak\Dropbox\情報基盤...

ai-tutor-hey C:\Users\yamak\Documents\projects

yamakata \\wsl.localhost\Ubuntu\home

2025 C:\Users\yamak\Dropbox\講義\MIセンター\...

More...

Walkthroughs

Get started with VS Code

Customize your editor, learn the basics, and start coding

Learn the Fundamentals

GitHub Copilot Updated

Get Started with Python Deve... Updated

Get Started with Jupyter Not... Updated

More...

CHAT

RECENT SESSIONS

Create a Python script named penguins_de...

Completed in 43s.

Codex • 1 min

Show More

Build with Agent

AI responses may be inaccurate.

Generate Agent Instructions to onboard AI onto your codebase.

Add Context...

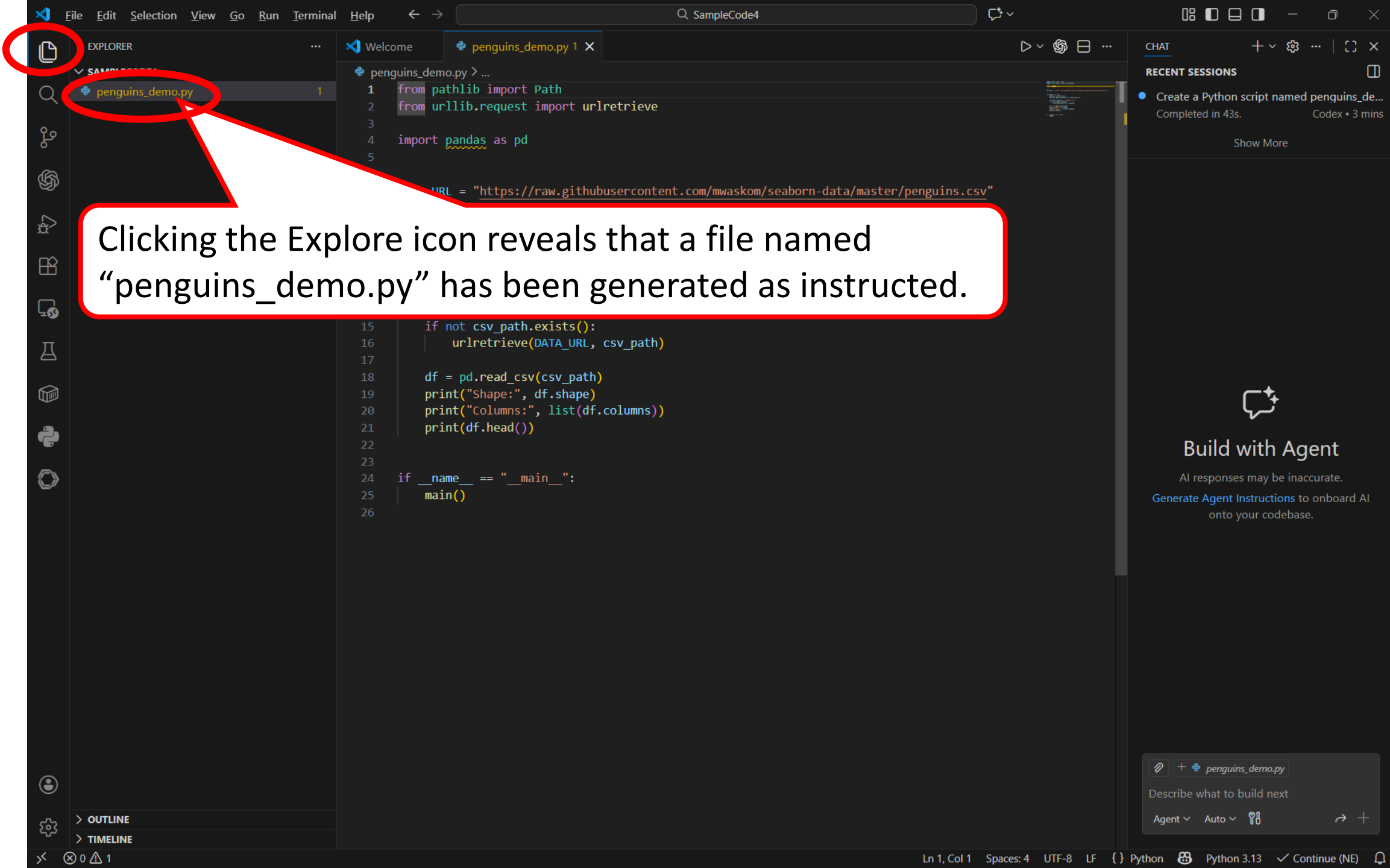
Describe what to build next

Agent Auto

→ +

0 0 0

✓ Continue (NE)



Clicking the Explore icon reveals that a file named "penguins_demo.py" has been generated as instructed.


```
penguins_demo.py > ...
1 from pathlib import Path
2 from urllib.request import urlretrieve
3
4 import pandas as pd
5
6 DATA_URL = "https://raw.githubusercontent.com/mwaskom/seaborn-data/master/penguins.csv"
7
8 def retrieve_data(url, path):
9     urlretrieve(url, path)
10
11 if __name__ == "__main__":
12     csv_path = Path("penguins.csv")
13     retrieve_data(DATA_URL, csv_path)
14
15     if not csv_path.exists():
16         urlretrieve(DATA_URL, csv_path)
17
18     df = pd.read_csv(csv_path)
19     print("Shape:", df.shape)
20     print("Columns:", list(df.columns))
21     print(df.head())
22
23
24 if __name__ == "__main__":
25     main()
26
```

CHAT

RECENT SESSIONS

- Create a Python script named penguins_de...
Completed in 43s. Codex • 3 mins



Show More





Build with Agent

AI responses may be inaccurate.

[Generate Agent Instructions](#) to onboard AI onto your codebase.

 +  penguins_demo.py

Describe what to build next

Agent ▾ Auto ▾   ↶ +

FileEditSelectionViewGoRunTerminalHelp

SampleCode4

081125

EXPLORER

SAMPLECODE4

penguins_demo.py1

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from pathlib import Path

from urllib.request import urretrieve

import pandas as pd

DATA_URL = "https://raw.githubusercontent.com/mwaskom/seaborn-data/master/penguins.csv"

def main() -> None:

data_dir = Path("data")

data_dir.mkdir(parents=True, exist_ok=True)

csv_path = data_dir / "penguins.csv"

if not csv_path.exists():

urretrieve(DATA_URL, csv_path)

df = pd.read_csv(csv_path)

print("Shape:", df.shape)

print("Columns:", list(df.columns))

print(df.head())

if __name__ == "__main__":

main()

CHAT

RECENT SESSIONS

Create a Python script named penguins_de...

Completed in 43s.

Codex • 3 mins

Show More

Build with Agent

AI responses may be inaccurate.

Generate Agent Instructions to onboard AI onto your codebase.

penguins_demo.py

Describe what to build next

AgentAuto

Ln 1, Col 1

Spaces: 4

UTF-8

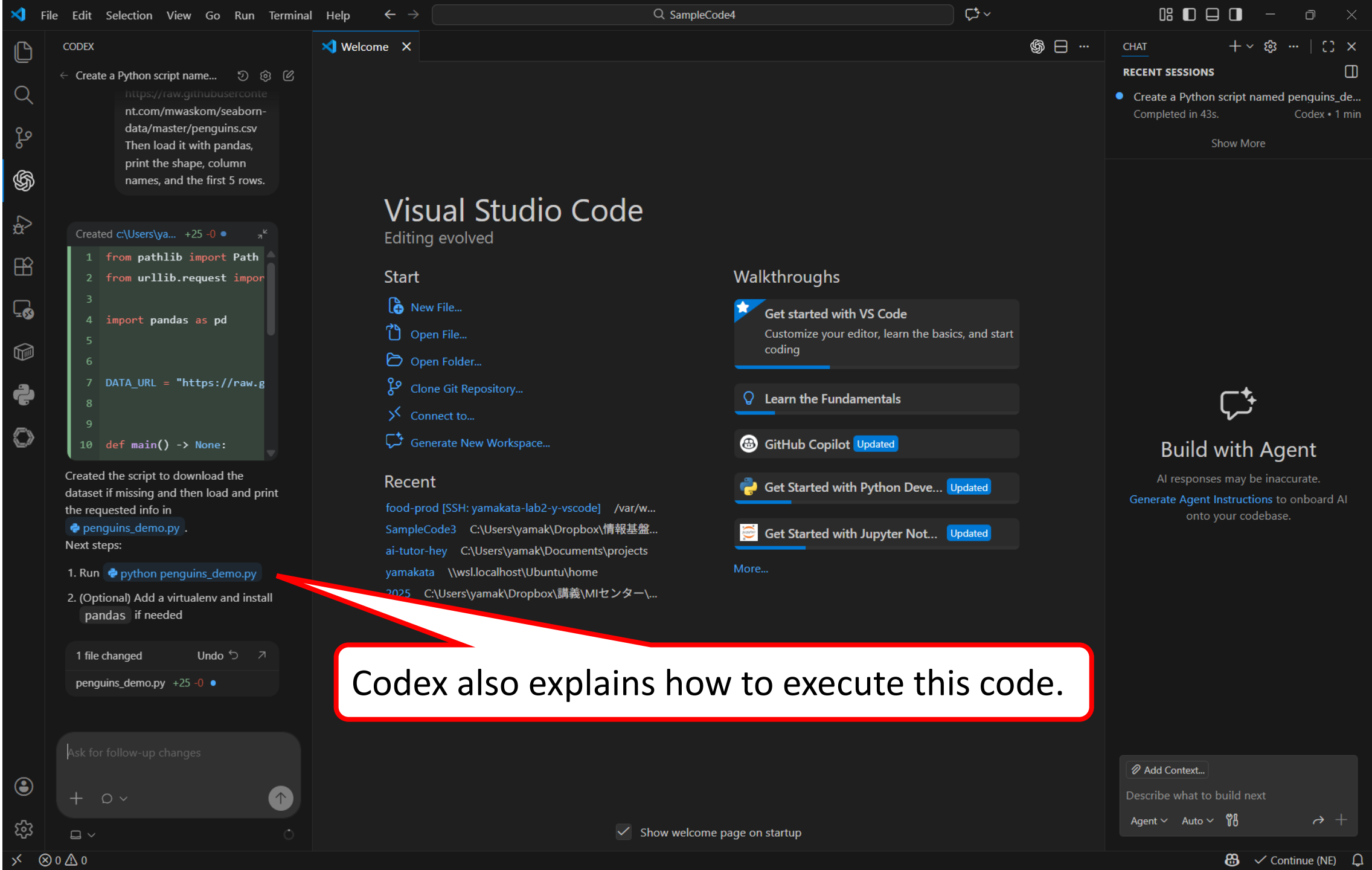
LF

Python

Python 3.13

Continue (NE)

This code is fully written by Codex.



Codex also explains how to execute this code.

New Terminal

Ctrl+Shift+@

Split Terminal

Ctrl+Shift+5

New Terminal Window

Ctrl+Shift+Alt+@

Run Task...

Run Build Task...

Run Active File Task...

Run Selected Text Task...

Show Running Tasks...

Restart Running Task...

Terminate Task...

Configure Tasks...

Configure Default Build Task...

Open new terminal.

```
16 |         uriretrieve(DATA_URL, csv_path)
17 |
18 |     df = pd.read_csv(csv_path)
19 |     print("Shape:", df.shape)
20 |     print("Columns:", list(df.columns))
21 |     print(df.head())
22 |
23 |
24 | if __name__ == "__main__":
25 |     main()
26 |
```

PROBLEMS 1 OUTPUT DEBUG CONSOLE TERMINAL PORTS

PS C:\Users\yamak\Dropbox\情報基盤センター\Azure\20260213説明会\SampleCode4>

Terminal appears.

CHAT

RECENT SESSIONS

Create a Python script named penguins_de...
Completed in 43s. Codex • 5 mins

Show More



Build with Agent

AI responses may be inaccurate.

[Generate Agent Instructions](#) to onboard AI
onto your codebase.

+ penguins_demo.py

Describe what to build next

Agent Auto



Input the command
the codex specified.

```
PS C:\Users\[redacted]\SampleCode4> python penguins_demo.py
Shape: (344, 7)
Columns: ['species', 'island', 'bill_length_mm', 'bill_depth_mm', 'flipper_length_mm', 'body_mass_g',
'sex']
  species    island  bill_length_mm  bill_depth_mm  flipper_length_mm  body_mass_g  sex
0  Adelie  Torgersen         39.1          18.7           181.0       3750.0  MALE
1  Adelie  Torgersen         39.5          17.4           186.0       3800.0  FEMALE
2  Adelie  Torgersen         40.3          18.0           195.0       3250.0  FEMALE
3  Adelie  Torgersen          NaN           NaN           NaN          NaN    NaN
4  Adelie  Torgersen         36.7          19.3           193.0       3450.0  FEMALE
PS C:\Users\[redacted]\SampleCode4>
```

Then, you can get
the results.

FileEditSelectionViewGoRunTerminalHelp

Q SampleCode4

08

CODEX

Create a Python script name...
https://raw.githubusercontent.com/mwaskom/seaborn-data/master/penguins.csv
Then load it with pandas, print the shape, column names, and the first 5 rows.

Created c:\Users\ya... +25 -0

```
1 from pathlib import Path
2 from urllib.request import urlopen
3
4 import pandas as pd
5
6
7 DATA_URL = "https://raw.g
8
9
10 def main() -> None:
```

Created the script to download the dataset if missing and then load and print the requested info in `penguins_demo.py`.

Next steps:

1. Run `python penguins_demo.py`

2. (Optional) Add a virtualenv and install

Extend the script to generate and save these plots into outputs/:

1. A bar chart of the number of penguins per species

2. A scatter plot of flipper_length_mm vs body_mass_g colored by species

Save as species_count.png and flipper_vs_mass.png.

↑

Welcome

penguins_demo.py 1 X

```
penguins_demo.py > ...
1 from pathlib import Path
2 from urllib.request import urlopen
3
4 import pandas as pd
5
6
7 DATA_URL = "https://raw.githubusercontent.com/mwaskom/seaborn-data/master/penguins.csv"
8
9
10 def main() -> None:
11     data_dir = Path("data")
12     data_dir.mkdir(parents=True, exist_ok=True)
13
14     csv_path = data_dir / "penguins.csv"
15     if not csv_path.exists():
16         urlopen(DATA_URL).read()
17         csv_path.write_text(urlopen(DATA_URL).read().decode("utf-8"))
18
19
20
21
22
23
24 if __name__ == "__main__":
25     main()
26
```

PROBLEM

PS C:\Users\yamak\Dropbox\情報基盤センター\Azure\20260213説明会\SampleCode4>

CHAT

RECENT SESSIONS

Create a Python script named penguins_de...
Completed in 43s. Codex • 26 mins

Show More

Build with Agent

AI responses may be inaccurate.

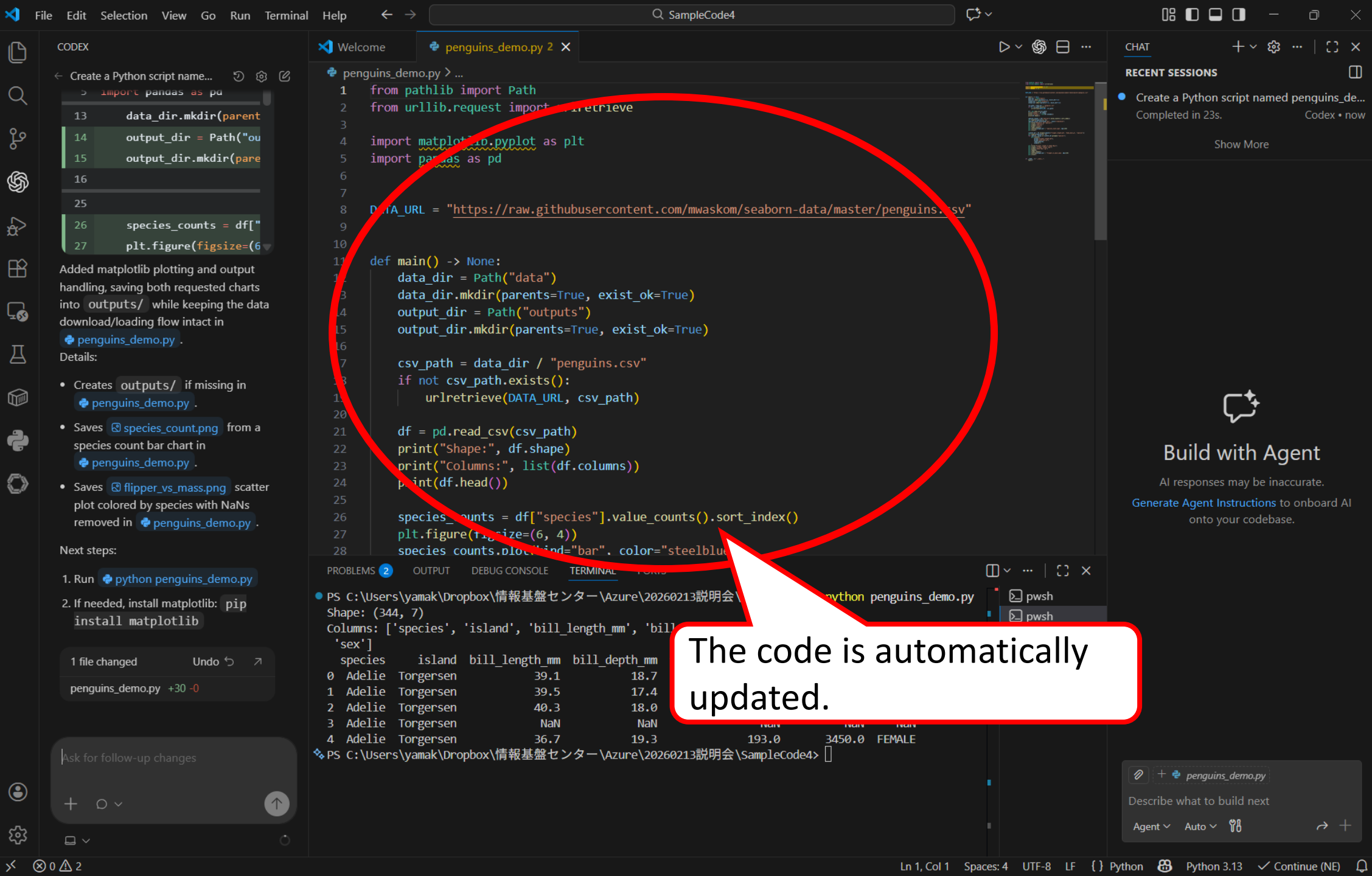
Generate Agent Instructions to onboard AI onto your codebase.

+ penguins_demo.py

Describe what to build next

Agent Auto

Ln 1, Col 1 Spaces: 4 UTF-8 LF Python Python 3.13 Continue (NE)



CODEX

Create a Python script name...

```
import pandas as pd

13 data_dir.mkdir(parent
14 output_dir = Path("ou
15 output_dir.mkdir(pare
16
25
26 species_counts = df["
27 plt.figure(figsize=(6
```

Added matplotlib plotting and output handling, saving both requested charts into `outputs/` while keeping the data download/loading flow intact in `penguins_demo.py`.

Details:

- Creates `outputs/` if missing in `penguins_demo.py`.
- Saves `species_count.png` from a species count bar chart in `penguins_demo.py`.
- Saves `flipper_vs_mass.png` scatter plot colored by species with NaNs removed in `penguins_demo.py`.

Next steps:

- Run `python penguins_demo.py`
- If needed, install matplotlib: `pip install matplotlib`

1 file changed

Undo ↶ ↷

penguins_demo.py +30 -0

Ask for follow-up changes

+ ○ ▾

Welcome

penguins_demo.py 2 X

penguins_demo.py > ...

```
1 from pathlib import Path
2 from urllib.request import urlopen, urlopen
3
4 import matplotlib.pyplot as plt
5 import pandas as pd
6
7
8 DATA_URL = "https://raw.githubusercontent.com/mwaskom/seaborn-data/master/penguins.csv"
9
10
11 def main() -> None:
12     data_dir = Path("data")
13     data_dir.mkdir(parents=True, exist_ok=True)
14     output_dir = Path("outputs")
15     output_dir.mkdir(parents=True, exist_ok=True)
16
17     csv_path = data_dir / "penguins.csv"
18     if not csv_path.exists():
19         urlopen(DATA_URL, csv_path)
20
21     df = pd.read_csv(csv_path)
22     print("Shape:", df.shape)
23     print("Columns:", list(df.columns))
24     print(df.head())
25
26     species_counts = df["species"].value_counts().sort_index()
27     plt.figure(figsize=(6, 4))
28     species_counts.plot(kind="bar", color="steelblue")
```

PROBLEMS 2

OUTPUT

DEBUG CONSOLE

TERMINAL

```
PS C:\Users\yamak\Dropbox\情報基盤センター\Azure\20260213説明会\python penguins_demo.py
Shape: (344, 7)
Columns: ['species', 'island', 'bill_length_mm', 'bill_depth_mm', 'flipper_length_mm', 'sex']
species island bill_length_mm bill_depth_mm
0 Adelie Torgersen 39.1 18.7
1 Adelie Torgersen 39.5 17.4
2 Adelie Torgersen 40.3 18.0
3 Adelie Torgersen NaN NaN
4 Adelie Torgersen 36.7 19.3
5 Adelie Torgersen 193.0 3450.0 FEMALE
```

CHAT

RECENT SESSIONS

- Create a Python script named penguins_demo.py. Completed in 23s. Codex • now

Show More



Build with Agent

AI responses may be inaccurate.

Generate Agent Instructions to onboard AI onto your codebase.

+ penguins_demo.py

Describe what to build next

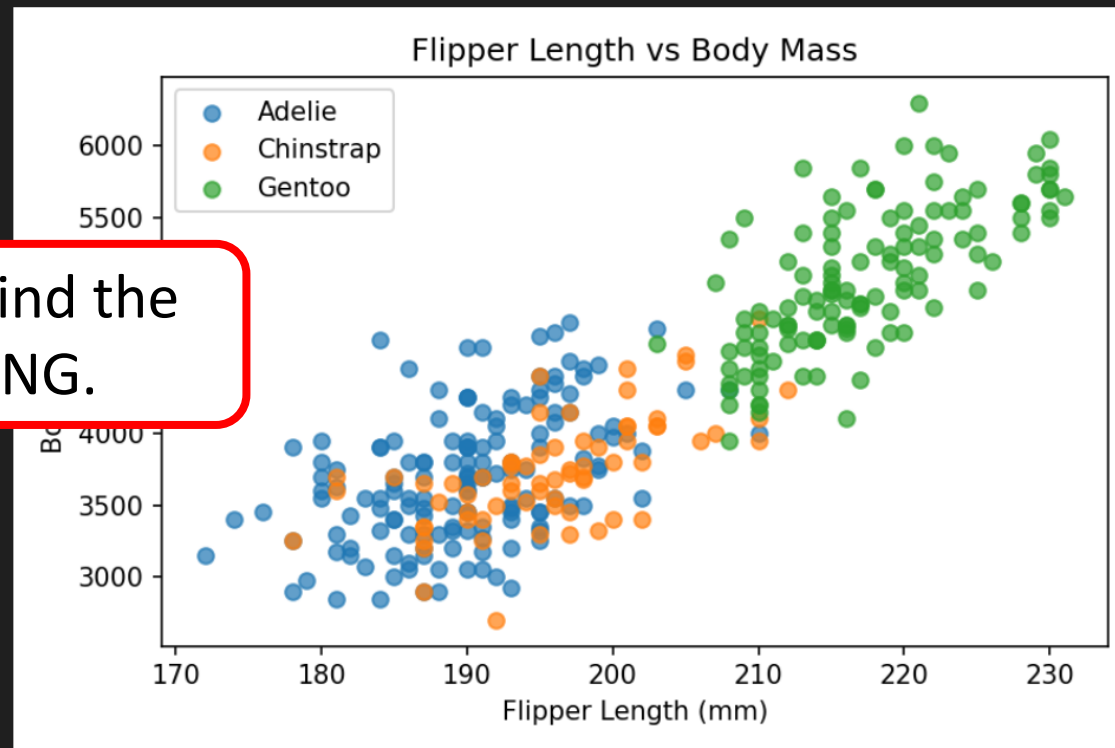
Agent ▾

Auto ▾



↶ +

Then you can find the plot saved as PNG.



Run the code again...

```
PS C:\Users\yamak\Dropbox\情報基盤センター\Azure\20260213説明会\SampleCode4> python penguins_demo.py
Shape: (344, 7)
Columns: ['species', 'island', 'bill_length_mm', 'bill_depth_mm', 'flipper_length_mm', 'body_mass_g', 'sex']
  species  island  bill_length_mm  bill_depth_mm  flipper_length_mm  body_mass_g  sex
0  Adelie  Torgersen         39.1          18.7           181.0         3750.0  MALE
1  Adelie  Torgersen         39.5          17.4           186.0         3800.0  FEMALE
2  Adelie  Torgersen         40.3          18.0           195.0         3250.0  FEMALE
3  Adelie  Torgersen          NaN           NaN           NaN           NaN    NaN
4  Adelie  Torgersen         36.7          19.3           193.0         3450.0  FEMALE
```

Do you want to install the recommended 'Rainbow CSV' extension from mechatroner for penguins.csv?

Install

Show Recommendations

CODEX

Create a Python script name...

```
13 data_dir.mkdir(parent
14 output_dir = Path("ou
15 output_dir.mkdir(pare
16
25
26 species_counts = df["
27 plt.figure(figsize=(6
```

Added matplotlib plotting and output handling, saving both requested charts into `outputs/` while keeping the data download/loading flow intact in `penguins_demo.py`.
Details:

- Creates `outputs/` if missing in `penguins_demo.py`.
- Saves `species_count.png` from a species count bar chart in `penguins_demo.py`.
- Saves `flipper_vs_mass.png` scatter plot colored by species with NaNs removed in `penguins_demo.py`.

Next steps:

- Run `python penguins_demo.py`
- If needed, install matplotlib: `pip install matplotlib`

1 file changed Undo ↶ ↷

Create a README.md that explains:

- what the script does
- how to install dependencies
- how to run the script

Keep it short (about 8–10 lines).

↑

Welcome penguins_demo.py 2 flipper_vs_mass.png ×

outputs > flipper_vs_mass.png

Flipper Length vs Body Mass

Species	Flipper Length (mm)	Body Mass (g)
Adelie	39.5	3800.0
Adelie	40.3	3250.0
Adelie	36.7	3450.0
Adelie	17.4	186.0
Adelie	18.0	195.0
Adelie	19.3	193.0
Chinstrap	39.5	3800.0
Chinstrap	40.3	3250.0
Chinstrap	36.7	3450.0
Chinstrap	17.4	186.0
Chinstrap	18.0	195.0
Chinstrap	19.3	193.0
Gentoo	39.5	3800.0
Gentoo	40.3	3250.0
Gentoo	36.7	3450.0
Gentoo	17.4	186.0
Gentoo	18.0	195.0
Gentoo	19.3	193.0

PROBLEMS

PS C:\Users\yamak\Dropbox\情報基盤センター\Azure\20260213説明会\SampleCode4>

CHAT + - ⚙️ ... | ⌂ ×

RECENT SESSIONS ⌂

- Create a Python script named penguins_de...
Completed in 23s. Codex • 8 mins

Show More

Build with Agent

AI responses may be inaccurate.
[Generate Agent Instructions](#) to onboard AI onto your codebase.

Do you want to install the recommended 'Rainbow CSV' extension from mechatroner for penguins.csv?

Install Show Recommendations

Whole Image 900x600 86.75KB ✓ Continue (NE)

“Create a README.md that explains:
- what the script does
- how to install dependencies
- how to run the script
Keep it short (about 8–10 lines).”

CODEX

Create a Python script name...

Create a README.md that explains:

- what the script does
- how to install dependencies
- how to run the script

Keep it short (about 8–10 lines).

Creating a README.md

Created `c:\Users\ya... +11 -0`

```
1 penguins_demo.py download
2 prints basic info, and sa
3 Dependencies: Python 3.8+
4 Install with:
5 pip install pandas matplo
6 Run the script from this
7 python penguins_demo.py
8 Outputs:
9 - data/penguins.csv (cach
10 - outputs/species_count.p
```

Created a short README with purpose, dependencies, and run instructions in `README.md`.

Next step: run `python penguins_demo.py` if you want to verify the outputs.

1 file changed Undo ↶

README.md +11 -0

Ask for follow-up changes

+ ○ ▾

↑

Welcome penguins_demo.py 2 flipper_vs_mass.png ×

outputs > flipper_vs_mass.png



PROBLEMS 2 OUTPUT DEBUG CONSOLE **TERMINAL** PORTS

```
PS C:\Users\yamak\Dropbox\情報基盤センター\Azure\20260213説明会\SampleCode4> python penguins_demo.py
Shape: (344, 7)
Columns: ['species', 'island', 'bill_length_mm', 'bill_depth_mm', 'flipper_length_mm', 'body_mass_g', 'sex']
species island bill_length_mm bill_depth_mm flipper_length_mm body_mass_g sex
0 Adelie Torgersen 39.1 18.7 181.0 3750.0 MALE
1 Adelie Torgersen 39.5 17.4 186.0 3800.0 FEMALE
2 Adelie Torgersen 40.3 18.0 195.0 3250.0 FEMALE
3 Adelie Torgersen NaN NaN NaN NaN NaN
4 Adelie Torgersen 36.7 19.3 193.0 3450.0 FEMALE
PS C:\Users\yamak\Dropbox\情報基盤センター\Azure\20260213説明会\SampleCode4>
```

pwsh


pwsh

CHAT

RECENT SESSIONS

- Create a Python script named penguins_de...
Completed in 18s. Codex • now

Show More



Build with Agent

AI responses may be inaccurate.

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Do you want to install the recommended 'Rainbow CSV' extension from mechatroner for penguins.csv?

Install

Show Recommendations

Whole Image 900x600 86.75KB ✓ Continue (NE)

Now you can find the
“README.md” file.

Explain about
this project.

```
1 penguins_demo.py downloads the Palmer Penguins dataset (if missing), loads it with pandas,  
2 prints basic info, and saves two plots to outputs/.  
3 Dependencies: Python 3.8+.  
4 Install with:  
5 pip install pandas matplotlib  
6 Run the script from this folder:  
7 python penguins_demo.py  
8 Outputs:  
9 - data/penguins.csv (cached dataset)  
10 - outputs/species_count.png  
11 - outputs/flipper_vs_mass.png  
12
```

```
PS C:\Users\yamak\Dropbox\情報基盤センター\Azure\20260213説明会\SampleCode4> python penguins_demo.py  
Shape: (344, 7)  
Columns: ['species', 'island', 'bill_length_mm', 'bill_depth_mm', 'flipper_length_mm', 'body_mass_g',  
'sex']  
   species  island  bill_length_mm  bill_depth_mm  flipper_length_mm  body_mass_g  sex  
0  Adelie  Torgersen           39.1           18.7             181.0        3750.0  MALE  
1  Adelie  Torgersen           39.5           17.4             186.0        3800.0  FEMALE  
2  Adelie  Torgersen           40.3           18.0             195.0        3250.0  FEMALE  
3  Adelie  Torgersen           NaN            NaN              NaN           NaN    NaN  
4  Adelie  Torgersen           36.7           19.3             193.0        3450.0  FEMALE  
PS C:\Users\yamak\Dropbox\情報基盤センター\Azure\20260213説明会\SampleCode4>
```

Do you want to install the recommended 'Rainbow CSV' extension from mechatroner for penguins.csv?

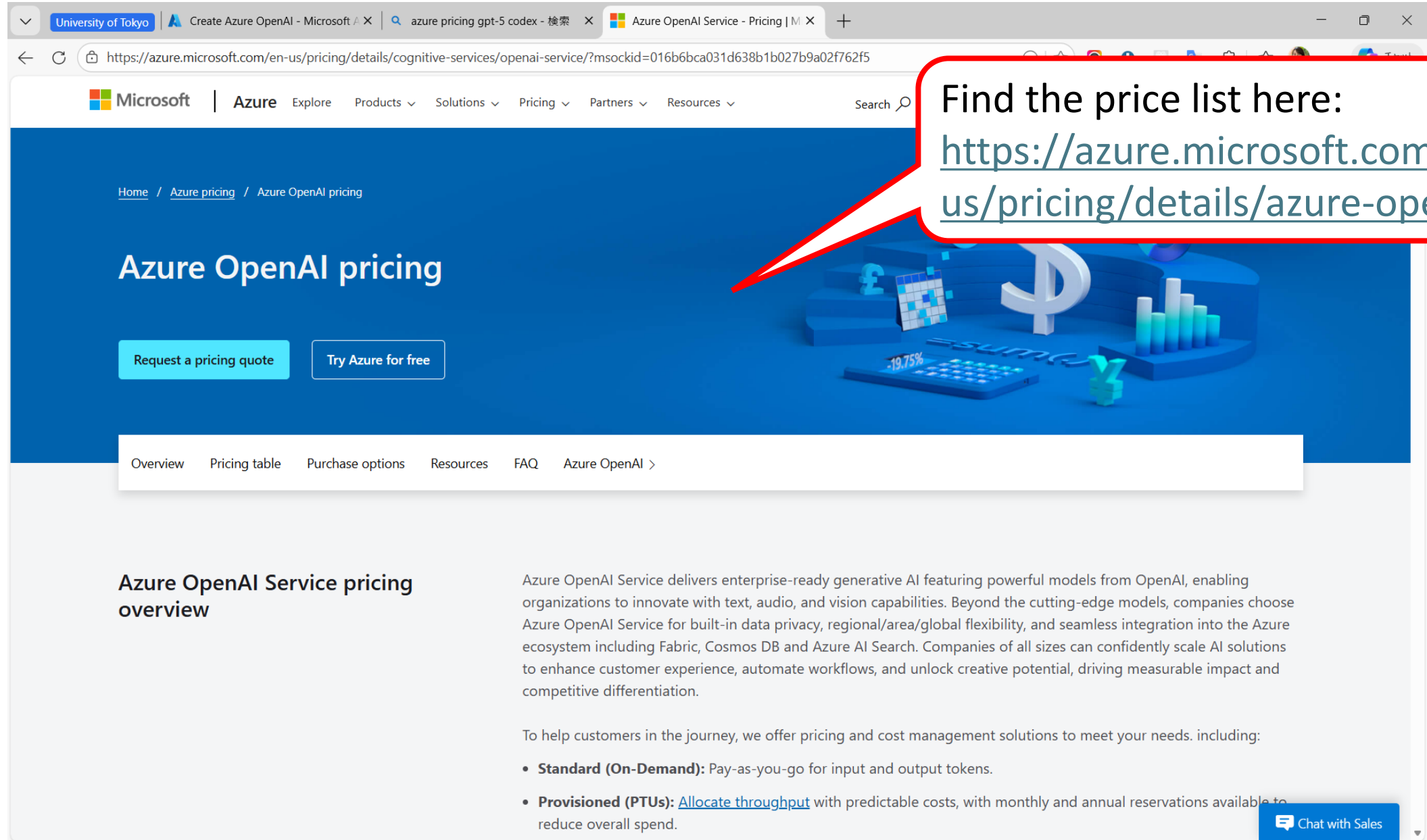
Install

Show Recommendations

6. Usage & Cost Monitoring

Check pricing and usage amount.

Price of Codex on Azure



The screenshot shows the Azure OpenAI pricing page. A red callout box with a white border and a red pointer highlights the URL in the browser's address bar: <https://azure.microsoft.com/en-us/pricing/details/cognitive-services/openai-service/?msocid=016b6bca031d638b1b027b9a02f762f5>. The page header includes the Microsoft logo and navigation links. The main heading is 'Azure OpenAI pricing', followed by two buttons: 'Request a pricing quote' and 'Try Azure for free'. Below this is a navigation bar with links: Overview, Pricing table, Purchase options, Resources, FAQ, and Azure OpenAI >. The main content area is titled 'Azure OpenAI Service pricing overview' and contains a paragraph about the service's capabilities and a list of pricing options.

University of Tokyo | Create Azure OpenAI - Microsoft | azure pricing gpt-5 codex - 検索 | Azure OpenAI Service - Pricing | M X

https://azure.microsoft.com/en-us/pricing/details/cognitive-services/openai-service/?msocid=016b6bca031d638b1b027b9a02f762f5

Microsoft | Azure Explore Products Solutions Pricing Partners Resources Search

Home / Azure pricing / Azure OpenAI pricing

Azure OpenAI pricing

Request a pricing quote Try Azure for free

Overview Pricing table Purchase options Resources FAQ Azure OpenAI >

Azure OpenAI Service pricing overview

Azure OpenAI Service delivers enterprise-ready generative AI featuring powerful models from OpenAI, enabling organizations to innovate with text, audio, and vision capabilities. Beyond the cutting-edge models, companies choose Azure OpenAI Service for built-in data privacy, regional/area/global flexibility, and seamless integration into the Azure ecosystem including Fabric, Cosmos DB and Azure AI Search. Companies of all sizes can confidently scale AI solutions to enhance customer experience, automate workflows, and unlock creative potential, driving measurable impact and competitive differentiation.

To help customers in the journey, we offer pricing and cost management solutions to meet your needs. including:

- **Standard (On-Demand):** Pay-as-you-go for input and output tokens.
- **Provisioned (PTUs):** [Allocate throughput](#) with predictable costs, with monthly and annual reservations available to reduce overall spend.

Chat with Sales

Region:

East US

Currency:

Japan

1 USD =

Pricing (1M Tokens): corresponds to roughly 3–4 million characters, i.e., on the order of tens of thousands of lines of code (depending on prompt size and coding style).

If you chose “East US”...

Output: ¥1,559.51

GPT-5.1-codex Global

Input: ¥194.94

Cached Input: ¥19.50

Output: ¥1,559.51

GPT-5.1-codex-max Global

Input: ¥194.94

Cached Input: ¥19.50

Output: ¥1,559.51

GPT-5.1-codex-mini Global

Input: ¥38.99

Cached Input: ¥3.90

Output: ¥311.91

Region:

Japan East

Currency:

Japan

If you chose "Japan East."
Prices may vary by region, but currently
the price for Codex is the same.

GPT-5.1-codex Global

Input: **¥194.94**

Cached Input: **¥19.50**

Output: **¥1,559.51**

GPT-5.1-codex-max Global

Input: **¥194.94**

Cached Input: **¥19.50**

Output: **¥1,559.51**

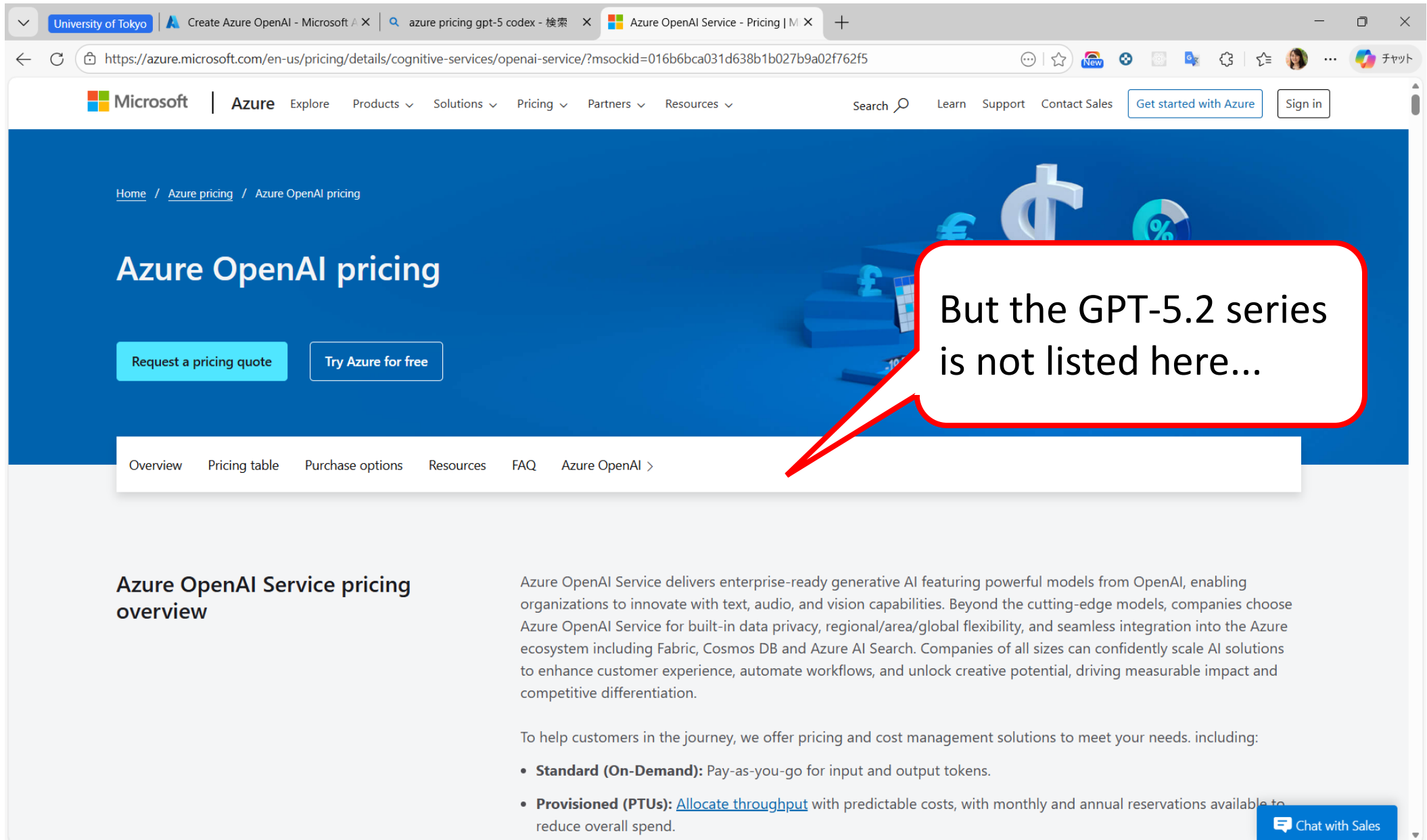
GPT-5.1-codex-mini Global

Input: **¥38.99**

Cached Input: **¥3.90**

Output: **¥311.91**

Price of Codex on Azure



The screenshot shows the Azure OpenAI pricing page. The browser tabs include 'University of Tokyo', 'Create Azure OpenAI - Microsoft', 'azure pricing gpt-5 codex - 検索', and 'Azure OpenAI Service - Pricing | M'. The URL is 'https://azure.microsoft.com/en-us/pricing/details/cognitive-services/openai-service/?msocid=016b6bca031d638b1b027b9a02f762f5'. The page header features the Microsoft logo, 'Azure' branding, and navigation links for Explore, Products, Solutions, Pricing, Partners, and Resources. A search bar and links for 'Learn', 'Support', 'Contact Sales', 'Get started with Azure', and 'Sign in' are also present. The main heading is 'Azure OpenAI pricing', with sub-links for 'Home', 'Azure pricing', and 'Azure OpenAI pricing'. Below the heading are two buttons: 'Request a pricing quote' and 'Try Azure for free'. A red callout bubble with a white background and a red border points to the pricing table area, containing the text 'But the GPT-5.2 series is not listed here...'. The pricing table area is partially visible, showing a table with columns for 'Model', 'Pricing', and 'Availability'. The table content is mostly obscured by the callout bubble. Below the pricing table, there is a section titled 'Azure OpenAI Service pricing overview' with a paragraph describing the service and a list of pricing options: 'Standard (On-Demand)' and 'Provisioned (PTUs)'. A 'Chat with Sales' button is located in the bottom right corner.

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https://azure.microsoft.com/en-us/pricing/details/cognitive-services/openai-service/?msocid=016b6bca031d638b1b027b9a02f762f5

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- **Provisioned (PTUs):** [Allocate throughput](#) with predictable costs, with monthly and annual reservations available to reduce overall spend.

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←↻🔒https://ai.azure.com/resource/models?wsid=/subscriptions/a600356d-63a3-483e-b4bb-59629c01a212/resourceGroups/UTokyoAzureGP2026/providers/Microsoft.CognitiveServices/accounts/U...A🌟🔖👤⋮🌈

Microsoft Foundry / proj-default / Model catalog

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🏛️ Governance PREVIEW

Azure OpenAI

📄 Stored completions

📄 Batch jobs

My assets

📄 Data + indexes

📦 Models + endpoints

Find the right model to build your custom AI solution

Models shown are available for deployment in this project. [See all models](#)

Model leaderboards

See what models are performing best in different criteria. [Learn more](#) about our scoring methodology.

Quality ⓘ

Safety ⓘ

Cost ⓘ

Throughput ⓘ

Collections ▾

Capabilities ▾

Inference tasks ▾


Fine-tuning tasks ▾


Licenses ▾


Compare models


🔍 Search


Models 149


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Chat completion


 **DeepSeek-V3.2-Speciale**
Chat completion


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Chat completion, Responses


 **gpt-5.2**
Chat completion, Responses


 **Cohere-rerank-v4.0-pro**
Text classification


 **Cohere-rerank-v4.0-fast**
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 **Kimi-K2-Thinking**
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Chat completion, Responses

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Messages

 **model-router**
Chat completion

 **claude-opus-4-1** 📄
Messages

 **grok-4** 📄
Chat completion

Microsoft Foundry

proj-default

Models

gpt-5.2-codex

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License

Direct from Azure models

Direct from Azure models are a select portfolio curated for their market-differentiated capabilities:

- Secure and managed by Microsoft: Purchase and manage models directly through Azure with a single license, consistent support, and no third-party dependencies, backed by Azure's enterprise-grade infrastructure.
- Streamlined operations: Benefit from unified billing, governance, and seamless PTU portability across models hosted on Azure - all part of Microsoft Foundry.
- Future-ready flexibility: Access the latest models as they become available, and easily test, deploy, or switch between them

See more

Model Versions

Learn more about region availability

East US 2

Model ID	Deployment type	Lifecycle	Max request	Retirement Date
2026-01-14	Global Standard	Generally available	Input: N/A Output: N/A	2027年1月14日(木)

Data, media and languages

Property	Description
Supported data types	Inputs text, image Outputs text

Quick facts

OpenAI

gpt-5.2-codex

Responses

Direct from Azure

Training data last updated
September 2024

Pricing
See pricing

Model ID
Reference this model ID when deploying the model in code
azureml://registries/azure-openai/models/gpt-5.2-codex/versions/2026-01-14

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Learn more about [Direct from Azure models](#).

Key capabilities

About this model

This model is provided through the Azure OpenAI Service.

Key model capabilities

- a. Multimodal reasoning: Accepts both text and image inputs—ideal for reasoning across code, UI states, architecture diagrams, and design comps in single workflow.
- b. Context-aware code reviews: Surfaces critical flows and quality issues with AI-powered insights into your development surfaces.
- c. Asynchronous execution: Supports long-running tasks with model-guided loops that retain state and context across interactions.
- d. Repo-aware intelligence: Understands full repositories, enabling cohesive refactors, test automation, and visual verification via screenshots.

With these capabilities, developers can leverage gpt-5.2-codex for a wide range of intelligent, multimodal development tasks. For developers seeking smarter, safer, and more integrated AI assistance, this model offers a powerful new tool in your AI toolkit.

Quick facts OpenAI

gpt-5.2-codex

Responses

Direct from Azure 1

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September 2024

Pricing

See pricing

Model ID

Reference this model ID when deploying the model in code

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Quick facts OpenAI

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azureml://registries/azure-openai/models/gpt-5.2-codex/versions/2026-01-14

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https://ai.azure.com/resource/models/gpt-5.2-codex/version/2026-01-14/registry/azure-openai?wsid=/subscriptions/a600356d-63a3-483e-b4bb-59629c01a212/resourceGroups/UTokyoAzure...

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With these capabilities, developers can leverage gpt-5.2-codex for a wide range of intelligent, multimodal development tasks. For developers seeking smarter, safer, and more integrated AI assistance, this model offers a powerful new tool in your AI toolkit.

Use cases

See Responsible AI for additional considerations for responsible use.

Key use cases

The provider has not supplied this information.

Out of scope use cases

Prompts and completions are passed through default configuration of Azure AI Content Safety classification to detect and prevent the output of harmful content. Learn more about [Azure AI Content Safety](#). Additional classification configuration options are available when you deploy an Azure OpenAI model in production; [learn more](#).

Pricing

Pricing is based on a number of factors, including deployment type and tokens used. [See pricing details here.](#)

Technical specs

The provider has not supplied this information.

Training cut-off date

The provider has not supplied this information.

Training time

The provider has not supplied this information.

Input formats


Click

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https://techcommunity.microsoft.com/blog/azure-ai-foundry-blog/announcing-gpt-5-2-codex-in-microsoft-foundry-enterprise-grade-ai-for-secure-sof/4485379

Microsoft Foundry Blog4 MIN READ

Announcing GPT-5.2-Codex in Microsoft Foundry: Enterprise-Grade AI for Secure Software Engineering



Naomi Money Penny

MICROSOFT

Jan 14, 2026

Enterprise developers know the grind: wrestling with legacy code, navigating complex dependency challenges, and waiting on security reviews that stall releases. OpenAI's GPT-5.2-Codex flips that equation and helps engineers ship faster without cutting corners. It's not just autocomplete; it's a reasoning engine for real-world software engineering.

Generally available starting today through Azure OpenAI in Microsoft Foundry Models, GPT-5.2-Codex is built for the realities of enterprise codebases, large repos, evolving requirements, and security constraints that can't be overlooked. As OpenAI's most advanced agentic coding model, it brings sustained reasoning, and security-aware assistance directly into the workflows enterprise developers already rely on with Microsoft's secure and reliable infrastructure.

GPT-5.2-Codex at a Glance

GPT-5.2-Codex is designed for how software gets built in enterprise teams. You start with imperfect inputs including legacy code, partial docs, screenshots, diagrams, and work through multi-step changes, reviews, and fixes. The model helps keep context, intent, and standards intact across that entire lifecycle, so teams can move faster without sacrificing quality or security.

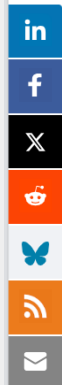
What it enables

- Work across code and artifacts:** Reason over source code alongside screenshots, architecture diagrams, and UI mocks — so implementation stays aligned with design intent.
- Stay productive in long-running tasks:** Maintain context across migrations, refactors, and investigations, even as requirements evolve.
- Build and review with security in mind:** Get practical support for secure coding patterns, remediation, reviews, and vulnerability analysis — where correctness matters as much as speed.

Feature Specs (quick reference)

Pricing

Model	Input Price/1M Tokens	Cached Input Price/1M Tokens	Output Price/1M Tokens
GPT-5.2-Codex	\$1.75	\$0.175	\$14.00



U TokyoAzureGP2026C x Models + endpoints - x Announcing GPT-5.2-C x Announcing GPT-5.2-C x Download Visual Studi x 01.申請書類 - OneDrive x 01.申請書類 - OneDrive x

https://ai.azure.com/resource/deployments?wsid=/subscriptions/a600356d-63a3-483e-b4bb-59629c01a212/resourceGroups/UTokyoAzureGP2026/providers/Microsoft.CognitiveServices/accou...

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Model deployments

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Columns

Name	Model name	Model version	State	Model retirement date	Content filter	D
^ This resource						
gpt-5.1-codex	gpt-5.1-codex	2025-11-13	Succeeded	May 15, 2027 9:00 AM	DefaultV2 ⓘ	G
gpt-5.2-codex	gpt-5.2-codex	2026-01-14	Succeeded	Jan 14, 2027 9:00 AM	DefaultV2 ⓘ	G

To check the current usage,
chose your model on the “Models + endpoints.”

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←↻🌐https://utokyoazuregp2026codeai.cognitiveservices.azure.com/openai/responses?api-version=2025-04-01-preview

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DetailMetrics

Request quotaEditDelete

Endpoint

Target URIhttps://utokyoazuregp2026codeai.cognitiveservices.azure.com/openai/responses?api-version=2025-04-01-preview

Key.....

Started

SDKcurl

Authentication typeKey Authentication

Deployment info

Name	gpt-5.2-codex	Provisioning state	Succeeded
Deployment type	Global Standard	Created on	2026-01-25T11:50:14.097414Z
Created by	1923306880@utac.u-tokyo.ac.jp	Modified on	Jan 25, 2026 8:50 PM
Modified by	1923306880@utac.u-tokyo.ac.jp	Version upgrade policy	Once a new default version is available
Rate limit (Tokens per minute)	250,000	Rate limit (Requests per minute)	2,500
Model name	gpt-5.2-codex	Model version	2026-01-14
Life cycle status	GenerallyAvailable	Date created	Jan 13, 2026 9:00 AM
Date updated		Model retirement date	

1. Authentication using API Key

For Serverless API Endpoints, deploy the Model to generate the endpoint URL and an API key to authenticate against the service. In this sample 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.

If you're using bash:

```
export AZURE_API_KEY="<your-api-key>"
```

If you're in powershell:

```
$Env:AZURE_API_KEY = "<your-api-key>"
```

If you're using Windows command prompt:

```
set AZURE_API_KEY = <your-api-key>
```

2. Run a basic code sample

Paste the following into a shell

```
curl -X POST "https://utokyoazuregp2026codeai.cognitiveservices.azure.com/openai/responses?api-version=2025-04-01-preview" -H "Content-Type: application/json" \ -H "Authorization: Bearer $AZURE_API_KEY" \
```

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gpt-5.2-codex - Microsoft Foundr

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←↻🌐https://utokyoazuregp2026codeai.cognitiveservices.azure.com/openai/responses?api-version=2025-04-01-preview

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UTokyoAzureGP2026CodeAI

(eastus2, S0)

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My assets

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←gpt-5.2-codex

ⓘ Help

DetailsMetrics

📅 01/19/2026 - 01/26/2026Last day7D1M

Summary

Total requests
7

Total token count
33.02K
4717 avg per request

Prompt token count
31.97K
4568 avg per request

Completion token count
1.05K
149 avg per request

View your resource cost details with [Azure Cost Management](#). ⓘ ⓘ

Usage metrics

Input vs Output vs Total

Number of requests

Latency metrics

Time to first byte (in ms)

Time to last byte (in ms)

← gpt-5.2-codex

ⓘ Help

Details Metrics

📅 01/19/2026 - 01/26/2026 Last day 7D 1M

Summary

Total requests

7

Total token count

33.02K

4717 avg per request

Prompt token count

31.97K

4568 avg per request

Completion token count

1.05K

149 avg per request

View your resource cost details with [Azure Cost Management](#). ⓘ ⓘ

Usage metrics

Input vs Output vs Total

This line chart displays token counts over time from January 18th to 26th. The y-axis represents 'Input vs Output vs Total' token counts, ranging from 0 to 24,852. The x-axis represents 'Time (Local)'. Three data series are shown: Total prompt token count (pink line with circles), Total completion token count (teal line with circles), and Total token count (blue line with squares). All three series show a sharp increase on January 26th, with the total token count reaching approximately 33,000.

Time (Local)	Total prompt token count	Total completion token count	Total token count
18. Jan	0	0	0
20. Jan	0	0	0
22. Jan	0	0	0
24. Jan	0	0	0
26. Jan	31,970	1,050	33,020

● Total prompt token count ● Total completion token count ■ Total token count

Number of requests

This line chart displays the number of requests over time from January 18th to 26th. The y-axis represents the 'Number of requests', ranging from 0 to 5. The x-axis represents 'Time (Local)'. A single data series is shown: Number of requests (pink line with circles). The number of requests is 0 for most of the period, with a sharp increase to 7 on January 26th.

Time (Local)	Number of requests
18. Jan	0
20. Jan	0
22. Jan	0
24. Jan	0
26. Jan	7

● Number of requests

Latency metrics

Time to first byte (in ms)

Time to last byte (in ms)

How to calculate the cost from the metrics summary?

- Based on my Azure dashboard, my usage for gpt-5.2-codex is:
 - Total token count: 33.02K tokens
 - **Prompt tokens: 31.97K**
 - **Completion tokens: 1.05K**
 - Total requests: 7

- Pricing for GPT-5.2-Codex (per 1M tokens)

- **Input tokens:** USD \$1.75 / 1M tokens
 - **Output tokens:** USD \$14.00 / 1M tokens

In terms of GPT series, **prompt tokens = input tokens**
and **completion tokens = output tokens**.

- Step-by-Step Cost Calculation

- **Input cost:** 31.97K input tokens = $31,970 / 1,000,000 \times \$1.75 \approx \$0.0559$ USD
 - **Output cost:** 1.05K output tokens = $1,050 / 1,000,000 \times \$14 \approx \$0.0147$ USD
 - **Total cost in USD: \$0.0706 USD \approx ¥11**

Please check the [UTokyo Azure: Subscription Management](#) page

- The safest approach is **to check [UTokyo Azure: Subscription Management](#) daily!**
- Usage status is generally updated every day.

Guaranteed free tier for this subscription on 2026/02: \$

Number of UTokyo Accounts having roles on this subscription: 6

Weight factor for this subscription: 1.0

Weight of this subscription: 3.4

As of 2026/02/10 14:36

Period	2026/02	2026/01	2025/12	2025/11	2025/10	2025/09	2025/08	2025/07	2025/06	2025/05
Guaranteed free tier	\$5631.8	\$6454.2	\$5163.8	\$5501.3	\$5930.1	\$6249.3	\$6412.1	\$6789.7	\$4321.1	\$4121.1
Usage (Carryover)	\$1198.7 (\$0.0)	\$1559.2 (\$0.0)	\$530.3 (\$0.0)	\$520.9 (\$0.0)	\$544.2 (\$0.0)	\$1027.5 (\$0.0)	\$3261.2 (\$0.0)	\$4758.8 (\$0.0)	\$3145.2 (\$0.0)	\$1452.1 (\$0.0)
Free Tier		\$1559.2	\$530.3	\$520.9	\$544.2	\$1027.5	\$3261.2	\$4758.8	\$3145.2	\$1452.1
Charge		(\$0.0)	(\$0.0)	(\$0.0)	(\$0.0)	\$0.0	(\$0.0)	(\$0.0)	(\$0.0)	(\$0.0)