

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

Model summary table and region availability

Not all models are available in every region!

Link: [Foundry Models sold directly by Azure - Microsoft Foundry | Microsoft Learn](https://learn.microsoft.com/en-us/azure/ai-foundry/foundry-models/concepts/models-sold-directly-by-azure?view=foundry-classic&tabs=global-standard-...)

Models by deployment type

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

- **Standard:** Has a global deployment option, resulting in high performance and low latency.
- **Provisioned:** Also has a global deployment option, using 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 Global Batch Data Zone Data Standard Provisioned

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-mini-2025-11-13 gpt-5-pro-2025-10-06 gpt-5-mini-2025-08-07 gpt-5-nano-2025-08-07

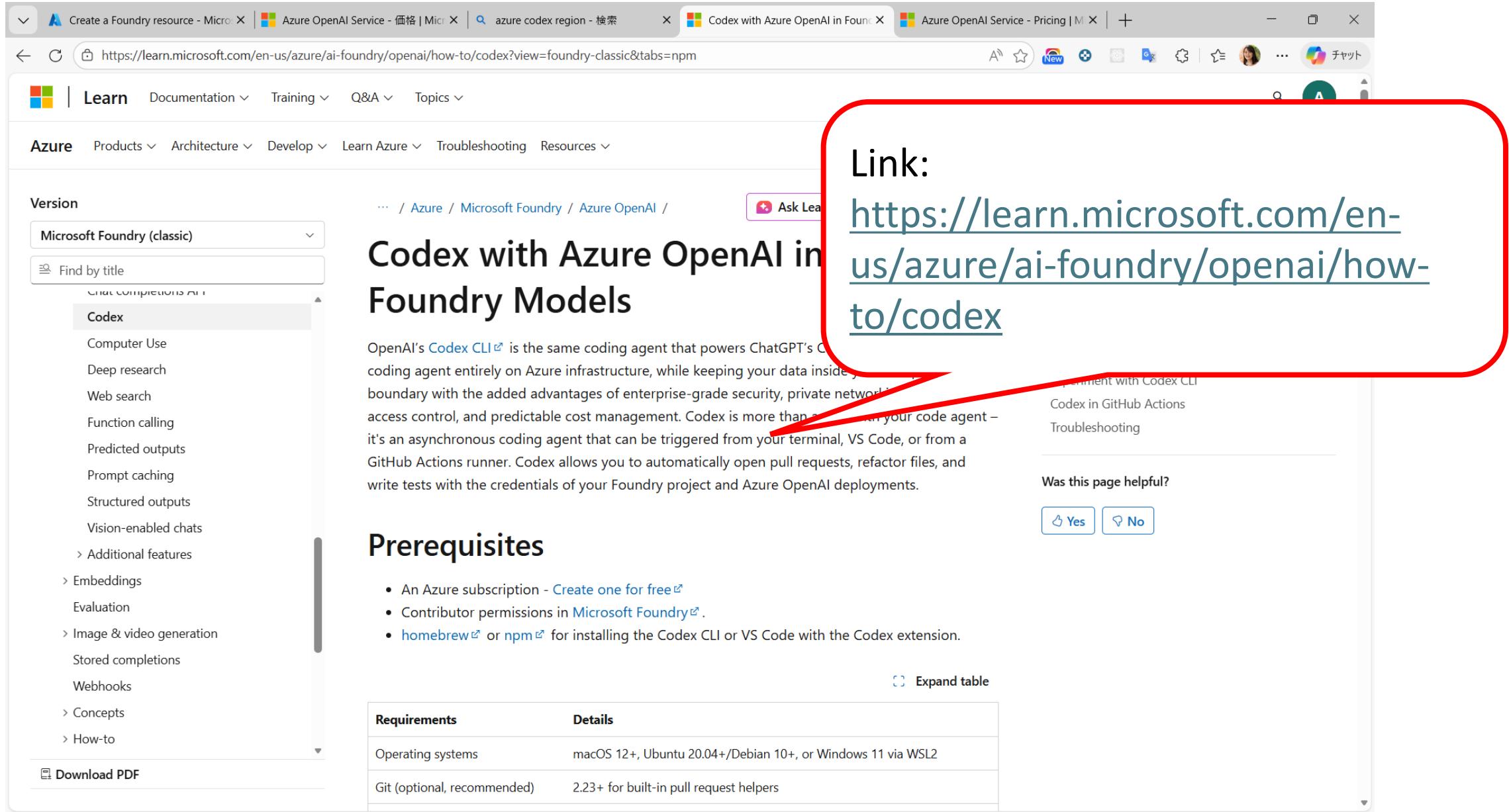
australiaeast - - - - - - ✓ ✓ ✓

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, 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, 2025-11-13	gpt-5.1-codex, 2025-10-06	gpt-5.1-pro, 2025-09-15	gpt-5.1-codex, 2025-08-07	gpt-5.1-mini, 2025-08-07	gpt-5.1-n, 2025-08-07
australiaeast	-	-	-	-	✓	✓	✓	✓	-	-	✓	✓	-
brazilsouth	-	-	-	-	-	-	-	-	-	-	✓	✓	-
canadacentral	-	-	-	-	-	-	-	-	-	-	-	-	-
canadaeast	-	-	-	-	✓	✓	✓	✓	✓	-	✓	✓	-
centralrus	-	-	-	-	-	-	-	-	-	✓	✓	✓	-
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)



Link:
<https://learn.microsoft.com/en-us/azure/ai-foundry/openai/how-to/codex>

https://learn.microsoft.com/en-us/azure/ai-foundry/openai/how-to/codex

Learn Documentation Training Q&A Topics

Azure Products Architecture Develop Learn Azure Troubleshooting Resources

Version

Microsoft Foundry (classic)

Find by title

Chat completions API

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

Ask Lead

Codex with Azure OpenAI in Foundry Models

OpenAI's Codex CLI is the same coding agent that powers ChatGPT's Codex. By running the coding agent entirely on Azure infrastructure, while keeping your data inside your organization's boundary with the added advantages of enterprise-grade security, private network isolation, fine-grained access control, and predictable cost management. Codex is more than just a code editor – 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.

Expand table

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

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 - 價格 | Microsoft Azure OpenAI Service - Pricing | Microsoft Azure

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

Microsoft Azure

Foundry

Copilot

Azure services

All Services (3)

Services

- Microsoft Foundry
- Language Keywords: Foundry
- Network foundation

Microsoft Entra ID

- 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

- Continue searching in Microsoft Entra ID

Recent

Favorite

Name

- 1923306880-YamakataTraining
- UTCodexGP2026
- yamakata-gpt5

Searching all subscriptions. [Change](#)

Give feedback

Azure OpenAI

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

Search and click "Microsoft Foundry"

AI Search

Azure Databricks

Last Viewed

- a few seconds ago
- 14 minutes ago
- 5 days ago

Home > Microsoft Foundry

Microsoft Foundry

The University of Tokyo

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 groups to manage all your resources.

Subscription * 

1923306880-YamakataTraining 

Resource group * 

 [Create new](#)

Name * 

Region 

East US 

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

[Previous](#)

[Next](#)

[Review + create](#)

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Home > Microsoft Foundry | Foundry >

Create a Foundry resource

Basics Storage Network Identity Encryption Tags Review

Design, customize, and manage AI apps and services.

Instance Details

Select the subscription to manage deployed AI apps and services. You can manage all your resources.

Subscription * ⓘ

Resource group * ⓘ

Name * ⓘ

Region ⓘ

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

Name *

UTokyoAzureGP2026

OK

Cancel

[Create new](#)

Previous

Next

Review + create

Give feedback

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.

A Create a Foundry resource - Micro... +

https://portal.azure.com/#view/Microsoft_Azure_ProjectOxford/AIFoundryCreate_Dx/_provisioningContext~/%7B"initialValues"%3A%7B"subscription... New

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

Copilot

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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 resources 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

Give feedback

Create a Foundry resource - Micro + https://portal.azure.com/#view/Microsoft_Azure_ProjectOxford/AIFoundryCreate_Dx/_provisioningContext~/%7B%22initialValues%22%3A%7B%22subscription...   

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

Home > Microsoft Foundry | Foundry >

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

[Previous](#) [Next](#)   [Create](#)  [Give feedback](#)

A Create a Foundry resource - Micro... +

https://portal.azure.com/#view/Microsoft_Azure_ProjectOxford/AIFoundryCreate_Dx/_provisioningContext~/%7B"initialValues"%3A%7B"subscription...

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

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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

Previous Next Create

Give feedback

Initializing deployment...

Initializing template deployment to resource group 'UTokyoAzureGP2026'.

AIFoundryCreate-20251228180537

Microsoft Azure

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AIFoundryCreate-20251228180537 | Overview

X

Deployment

...



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 data
There are no resources to display.			

AIFoundryCreate-20251228180537

https://portal.azure.com/#view/HubsExtension/DeploymentDetailsBlade/~/overview/id/%2Fsubscriptions%2Fa600356d-63a3-483e-b4bb-59629c01a...

Microsoft Azure

Search resources, services, and docs (G+)

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AIFoundryCreate-20251228180537 | Overview

Deployment

Search

Delete Cancel Redeploy Download

Go to resource Go to resource group

Deployment succeeded

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

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

Add or remove favorites by pressing *Ctrl+Shift+F*

Microsoft Azure

Home > AIFoundryCreate-20251228180537 | Overview >

UTokyoAzureGP2026CodeAI

Foundry

Search



Go to Foundry portal



Delete

Show platform metrics for this AI resource

+2

Overview

Activity log

Access control (IAM)

Tags

Diagnose and solve problems

Resource visualizer

Resource Management

Security

Monitoring

Automation

Help

Essentials

JSON View

Resource group ([move](#))

[UTokyoAzureGP2026](#)

API Kind

AI Services

Subscription ([move](#))

[1923306880-YamakataTraining](#)

Location

eastus2

Subscription ID

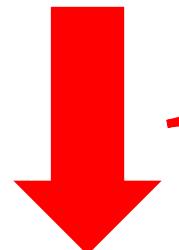
a600356d-63a3-483e-b4bb-59629c01a212

Status

Succeeded

Endpoints

[Click here to view endpoints](#)



Scroll down

Tags ([edit](#))

[Add tags](#)

UTokyoAzureGP2026CodeAI - Microsoft Azure

https://portal.azure.com/#@univtokyo.onmicrosoft.com/resource/subscriptions/a600356d-63a3-483e-b4bb-59629c01a212/resourceGroups/UTokyo...        

Microsoft Azure  Copilot 

Home > AIFoundryCreate-20251228180537 | Overview >

UTokyoAzureGP2026CodeAI

Foundry     Show platform metrics for this AI resource  +2 

Search    Go to Foundry portal  Delete

Subscription ID	 a600356d-63a3-483e-b4bb-59629c01a212	Status
Endpoints	Click here to view endpoints	Succeeded
Tags	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](#)

Add or remove favorites by pressing **Ctrl+Shift+F**

UTokyoAzureGP2026CodeAI - Micr X Overview - Microsoft Foundry +

https://ai.azure.com/foundryProject/overview?wsid=/subscriptions/a600356d-63a3-483e-b4bb-59629c01a212/resourceGroups/UTokyoAzureGP2026/providers/M... Star New Open Copy Share Help Chat

Microsoft Foundry / proj-default / Overview

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

proj-default

Default project created with the resource Edit

Model catalog Endpoints and keys View all endpoints

Click “Model catalog”

.....

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](#)

Subscription
[1923306880-YamakataTraining](#)

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

Resource group
[UTokyoAzureGP2026](#)

Location
[eastus2](#)

Manage project settings

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

[Open in management center](#)

Nail the basics with these steps

Stored completions

Batch jobs

My assets

UTokyoAzureGP2026CodeAI - Micr X Model catalog - Microsoft Foundry +

https://ai.azure.com/resource/models?wsid=/subscriptions/a600356d-63a3-483e-b4bb-59629c01a212/resourceGroups/UTokyoAzureGP2026/providers/Microsoft.CognitiveServices/accounts/UTokyoAzureGP2026CodeAI/projects/proj-default/Model catalog

Microsoft Foundry / proj-default / Model catalog

New Foundry Docs All resources 4 Settings 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 Governance PREVIEW Azure OpenAI Stored completions Batch jobs My assets

Find the right model to build your custom AI solution

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

Announcements

Introducing GPT-image-1.5 

GPT-image-1.5 is OpenAI's most cutting-edge image model. It excels in face preservation and...

[Check out model](#) [Read blog](#)

Introducing gpt-realtime-mini, gpt-4o-mini-transcribe, and gpt-4o-mini-tts 

These improvements deliver significant gains in accuracy, naturalness, and real-time performance

[Check out models](#) [Read blog](#)

Introducing FLUX.2-pro 

FLUX.2-pro delivers high quality and greater prompt adherence while generating faster at...

[Check out models](#) [Read blog](#)

Introducing DeepSeek V3.2 

DeepSeek-V3.2, a model that harmonizes high computational efficiency with superior reasonin...

[Check out models](#) [Read blog](#)

Model leaderboards

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

Quality 

1	gpt-5.2
2	claude-opus-4-5
3	claude-sonnet-4-5

Safety 

1	gpt-5-pro
2	claude-haiku-4-5
3	gpt-5.1-codex-mini

Cost 

1	gpt-5-nano
2	mistral-small-2503
3	gpt-4.1-nano

Throughput 

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

[Collections](#) [Capabilities](#) [Inference tasks](#) [Fine-tuning tasks](#) [Licenses](#) [Compare models](#)

Search

Models

Scroll down

Microsoft Foundry / firstProject / Model catalog

New Foundry

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

[Browse leaderboards](#)

Quality 1 gpt-5.2-codex 2 gpt-5.2 3 claude-opus-4-5

Safety

Cost

Throughput 1 gpt-oss-120b 2 gpt-5-nano 3 grok-code-fast-1

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

codex

Models 6

codex-mini Responses

gpt-5.1-codex-max Responses

gpt-5.1-codex-mini Responses

gpt-5.2-codex Responses

When you chose “gpt 5.2-codex”

UTokyoAzureGP2026CodeAI2 - M gpt-5.2-codex - Microsoft Foundry

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...

Microsoft Foundry / proj-default / Models / gpt-5.2-codex

New Foundry Docs All resources UTokyoAzureGP2026CodeAI2 (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 Governance PREVIEW Azure OpenAI Stored completions Batch jobs My assets Data + indexes Models + endpoints

gpt-5.2-codex

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

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: Purchased, supported, 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

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 you see “Registration is required to use this model,” click “Request access.”

Feedback - Microsoft Azure gpt-5.2-codex - Microsoft Foundr Azure OpenAI Services Limited Access

https://customervoice.microsoft.com/Pages/ResponsePage.aspx?id=v4j5cvGG0Grqy180BHbR7en2Ais5pxKtso_Pz4b1_xUQ1VGQUEzRIBIMVU2UFIHSFpSNkpOR0paRSQlQCN0PWcu

Azure OpenAI Services Limited Access Application

*** 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 [csgate@microsoft.com](#) to your Safe Senders

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

proj-default

Default project created with the resource

Endpoints and keys

API Key

.....

Libraries

Microsoft Foundry

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

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

Nail the basics with these steps

Define + explore

Build + customize

Observe + optimize

Protect + govern

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>

To

2025/11/21 17:56

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

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:

Thank you,

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

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Redmond, WA, USA 98052

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

New Foundry

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

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

gpt-5.2-codex

Use this model

Details Existing deployments 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 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

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

Now you can click “Use this model.”

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

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/providers...

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

New Foundry

Docs All resources 4 gear settings smiley codeAI-test (eastus2, S0) 8

Name: 山脣 洋子
Email: 1923306880@utac.u-tokyo.ac.jp
Directory: The University of Tokyo
(f07baf4f-2b70-47d7-9a02-0875caf94c84)

Overview

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Build and customize

Agents

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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 secure and managed by Microsoft solution, with support, and no third-party dependencies.

- Secure and managed by Microsoft
- Support, and no third-party dependencies
- Streamlined operations: Benefits of Microsoft Foundry, all part of Microsoft Foundry
- Future-ready flexibility: Access to Microsoft Foundry's global infrastructure within Microsoft Foundry, ready for the future

See more

Model Versions

Learn more about region availability

East US 2

Model ID	Deployment ID
2026-01-14	Globally available

Data, media and languages

Property	Description
Supported data types	Inputs: text, image
	Outputs: text

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

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

Customize

Deploy Cancel

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 - [New](#) 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 gear settings smiley face codeAI-test (eastus2, S0) Help

Information required for remote access.

Endpoint

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

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	

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 successful.

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" -H "Content-Type: application/json" -H "Authorization: Bearer $AZURE_API_KEY" \
```

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**

1923306880-YamakataTraining - Microsoft Edge gpt-5.2-codex - Microsoft Foundry Download Visual Studio Code - Microsoft Edge

Install VS Code from the page below:
[Download Visual Studio Code - Mac, Linux, Windows](https://code.visualstudio.com/download)

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 Installer x64 Arm64
System Installer x64 Arm64
.zip x64 Arm64
CLI x64 Arm64

[.deb](#) .deb x64 Arm32 Arm64
Debian, Ubuntu
.rpm x64 Arm32 Arm64
Red Hat, Fedora, SUSE
.tar.gz x64 Arm32 Arm64
Snap Snap Store

[.rpm](#) .rpm x64 Arm32 Arm64
Red Hat, Fedora, SUSE
.tar.gz x64 Arm32 Arm64
Snap Snap Store

[.zip](#) .zip Intel chip Apple silicon Universal
macOS 11.0+
CLI Intel chip Apple 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 Repos and Local



Welcome



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: iroha]
- MapView /var/www/html [SSH: mdx]
- More...

- 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.



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.

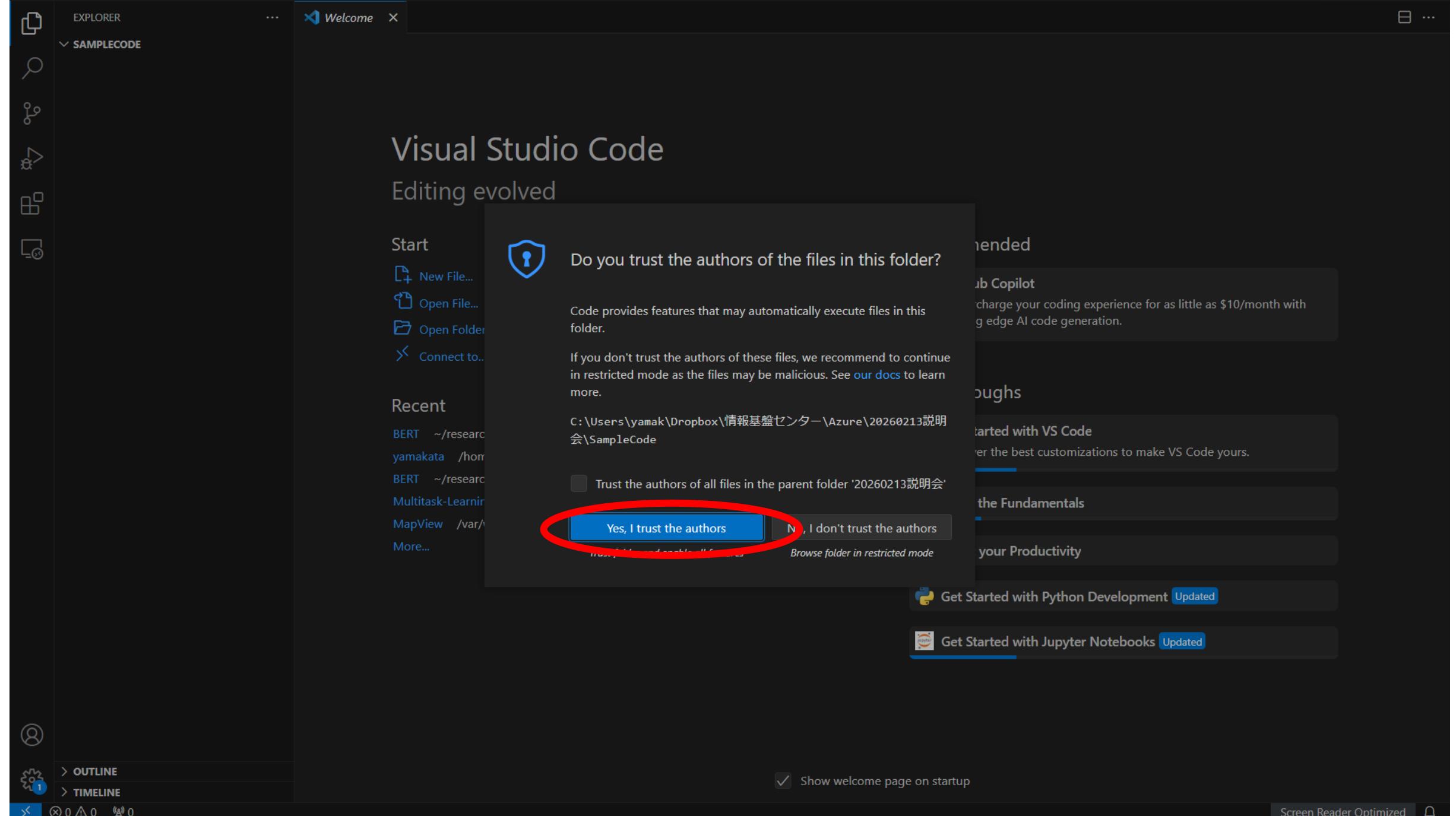


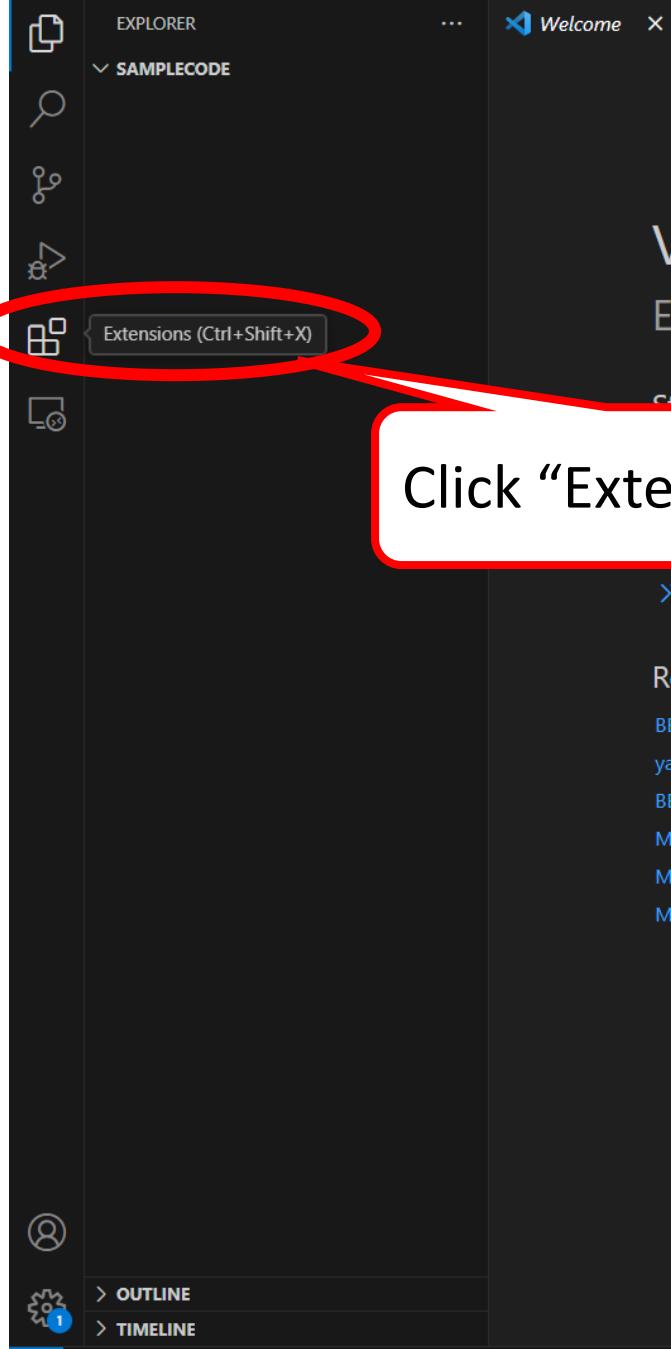
Learn the Fundamentals



Boost your Productivity

Get Started with Python Development UpdatedGet Started with Jupyter Notebooks Updated





Visual Studio Code

Editing evolved

Start

Recommended

**GitHub Copilot**

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

Connect to...

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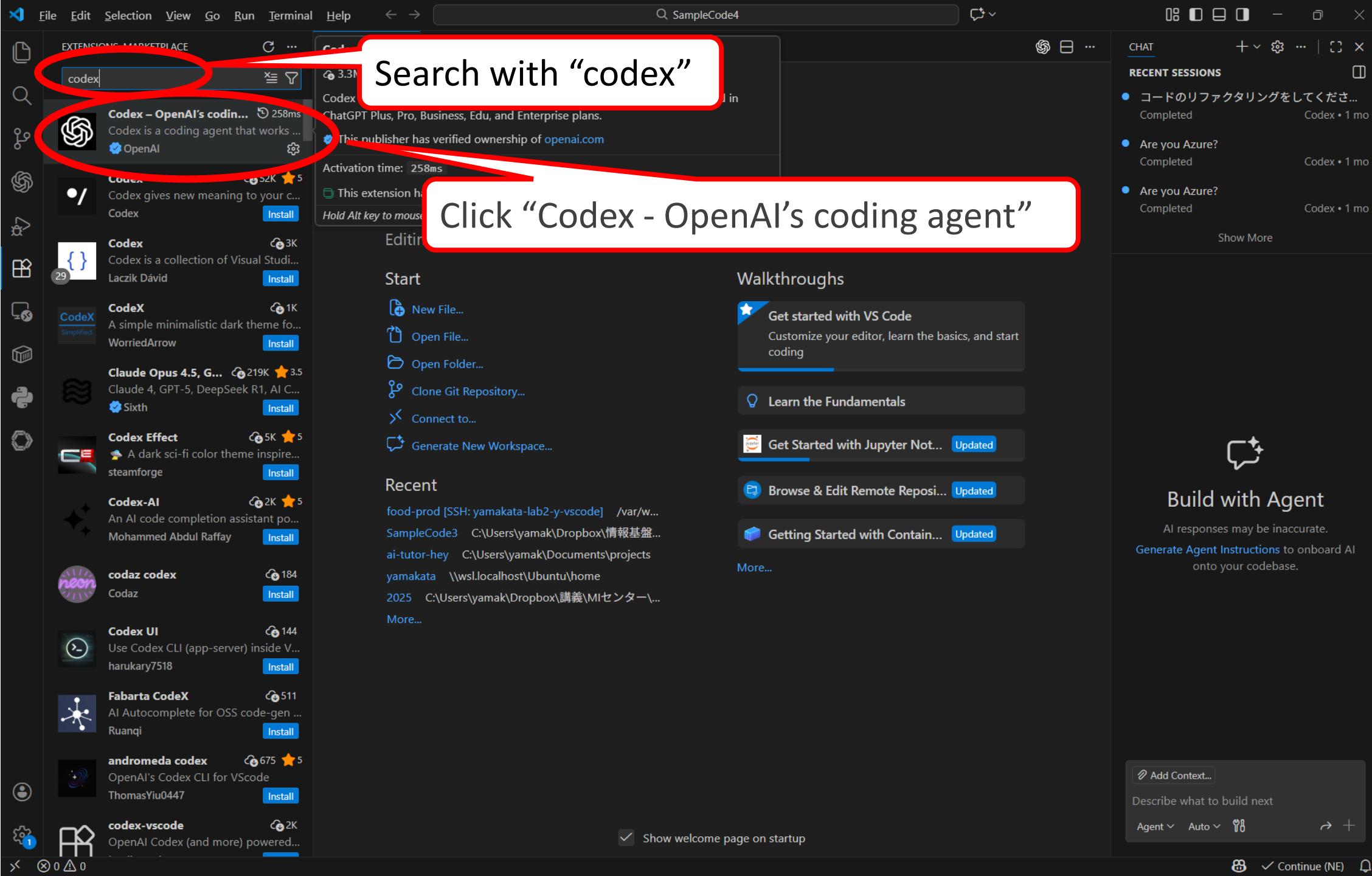
- BERT ~/research/l_wang [SSH: iroha]
 - yamakata /home [SSH: iroha]
 - BERT ~/research/l_wang [SSH: winry]
 - Multitask-Learning-for-Food-Ingredient-Recognition ~/research/l_wang [SS...]
 - MapView /var/www/html [SSH: mdx]
- More...

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 Show welcome page on startup



File Edit Selection View Go Run Terminal Help < > Q. SampleCode4

EXTENSIONS: MARKETPLACE

codex

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, review, and run code side-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 plans. Learn more about 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い... Completed Codex • 1 mo
- Are you Azure? Completed Codex • 1 mo
- Are you Azure? Completed Codex • 1 mo

Show More

Add Context... Describe what to build next

Agent Auto

CHAT

RECENT SESSIONS

- コードのリファクタリングをしてください... 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.

OK Continue (NE)

File Edit Selection View Go Run Terminal Help ← → SampleCode

EXTENSIONS: MARKETPLACE openai

Release Notes: 1.107.1 Extension: Codex – OpenAI's coding agent

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

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

Integrate 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.)

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.

Learn more about Codex

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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.

OpenAI Helper

OpenAI Translate

OpenAI Debugger

OpenAI Forge

OpenAI Assistant

CODEX

Release Notes: 1.107.1

Extension: Codex – OpenAI's coding agent

Disable | Uninstall | Switch to Pre-Release Version | Auto Update

DETAILS FEATURES

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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

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

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.

File Edit Selection View Go Run Terminal Help ← → Q SampleCode

CODEX Release Notes: 1.107.1 Extension: Codex – OpenAI's coding agent

 Codex – OpenAI's coding agent

OpenAI openai.com | 2,824,000 | ★★★★☆ (212)

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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.

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

Marketplace

Identifier `openai.chatgpt`
Version 0.4.56
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Categories

AI Chat

Resources

License
OpenAI

Marketplace

File Edit Selection View Go Run Terminal Help ← → Q SampleCode

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[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

File Edit Selection View Go Run Terminal Help ← → Q SampleCode

File Edit Selection View Go Run Terminal Help ← → Q SampleCode

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.

```
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://utokyozuregp2026codeai.cognitiveservices.azure.com/openai/v1"
```

```
env_key = "AZURE OPENAI API KEY GPT52CODEX"
```

```
wire_api = "responses"
```

A

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.

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

A

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

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 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: [Copy](#)

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: Edit	Model retirement date: Edit

B. Use the endpoint target uri up to "/openai/" (do not include responses?api-version=...).

https://utkyoazuregp2026codeai.cognitiveservices.azure.com/openai/ ~~responses?api-version=2025-04-01-preview~~

Replace with "v1"

Authentication using API Key

Click to copy the API Key

Click to copy the API Key

If you're using bash:

```
export AZURE_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/
```

A

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

← すべて

アプリ

ドキュメント

ウェブ

設定

人

フォルダー

写真

▶

1

...

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

□ 閉く

システムのプロパティ

×

コンピューター名 ハードウェア 詳細設定 システムの保護 リモート

Administrator としてログオンしない場合は、これらのほとんどは変更できません。

パフォーマンス

視覚効果、プロセッサのスケジュール、メモリ使用、および仮想メモリ

設定(S)...

ユーザー プロファイル

サインインに関連したデスクトップ設定

設定(E)...

起動と回復

システム起動、システム障害、およびデバッグ情報

設定(I)...

環境変数(N)...

OK

キャンセル

適用(A)

環境変数

×

yamak のユーザー環境変数(U)

変数	値

新規(N)...

編集(E)...

削除(D)

システム環境変数(S)

変数	値

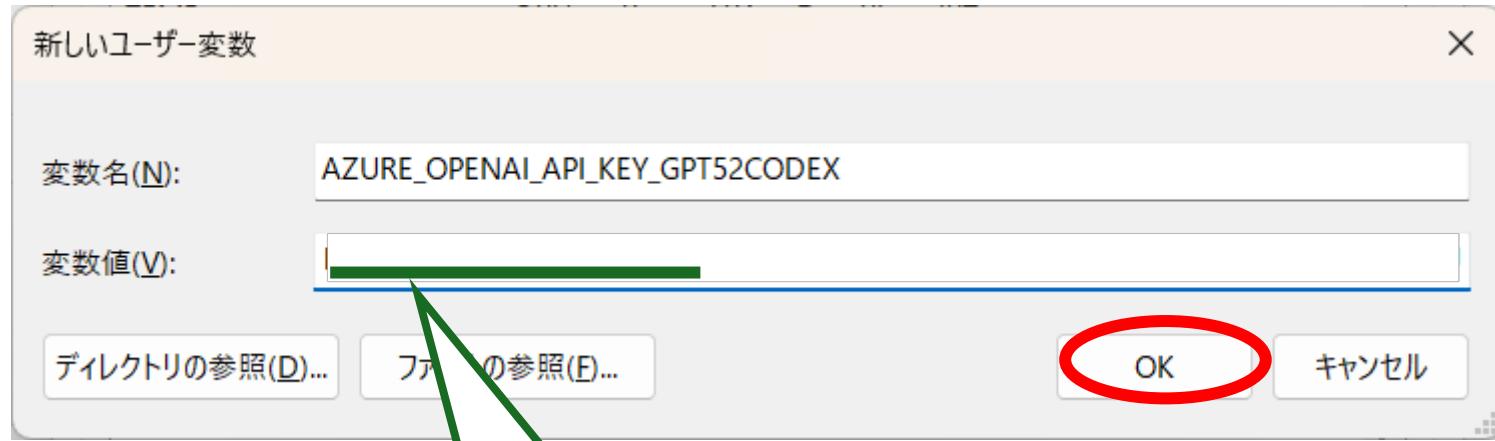
新規(W)...

編集(I)...

削除(L)

OK

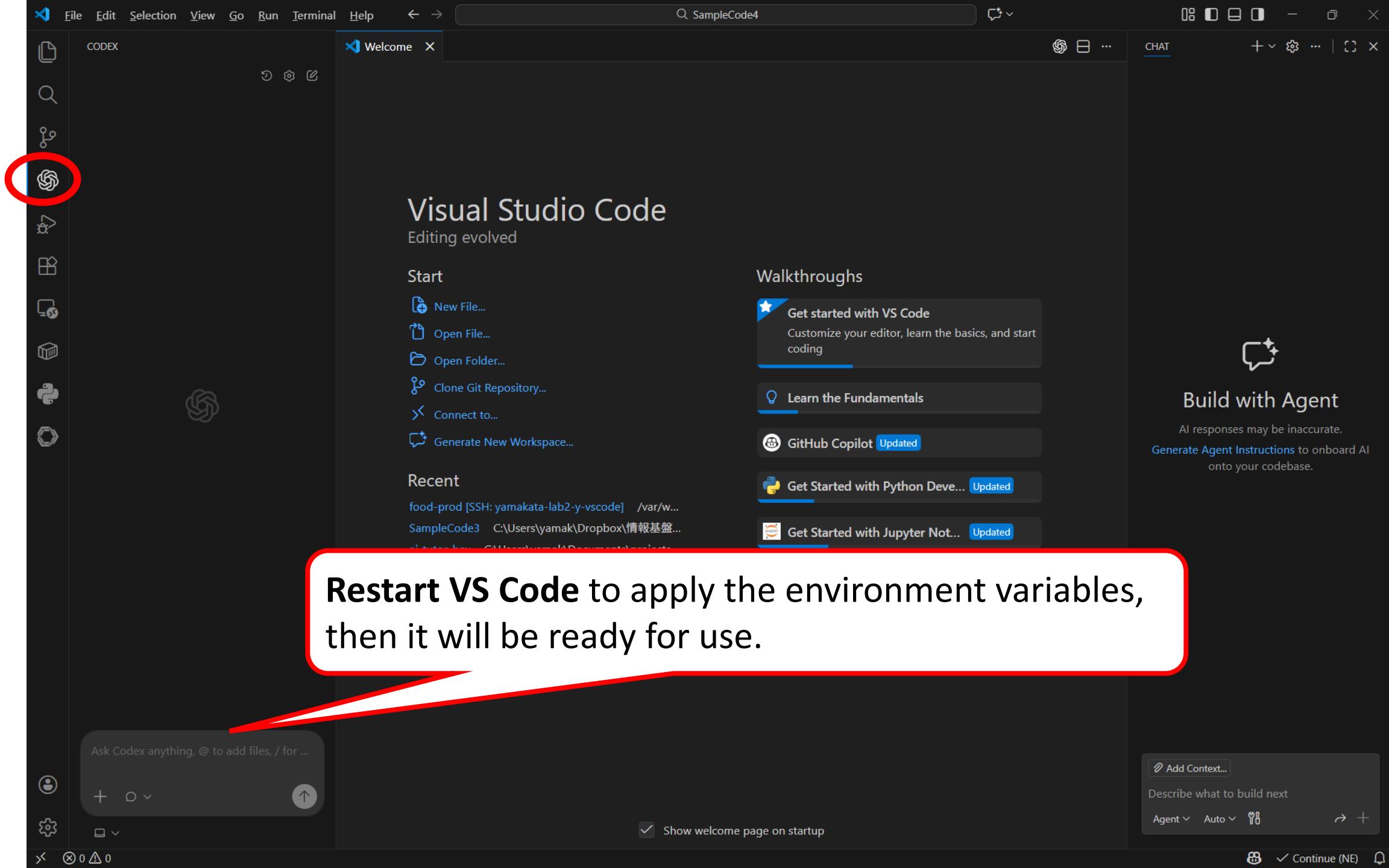
キャンセル



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.



If you want to write the api key in the “config.toml” file
Please replace A and B according to your environment.

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://utokyozuregp2026codeai.cognitiveservices.azure.com/openai/v1"

api_key = "XX"

wire_api = "responses"

A

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.



CODEX



← Create a Python script name...



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.



Thinking



Welcome X

CHAT

+ ✎ ⚡ ...

Visual Studio Code

Editing evolved

Start

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

Walkthroughs

- Get started with VS Code**
Customize your editor, learn the basics, and start coding
- Learn the Fundamentals**
- GitHub Copilot Updated



Build with Agent

AI responses may be inaccurate.

Generate Agent Instructions to onboard AI onto your codebase.

“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.”

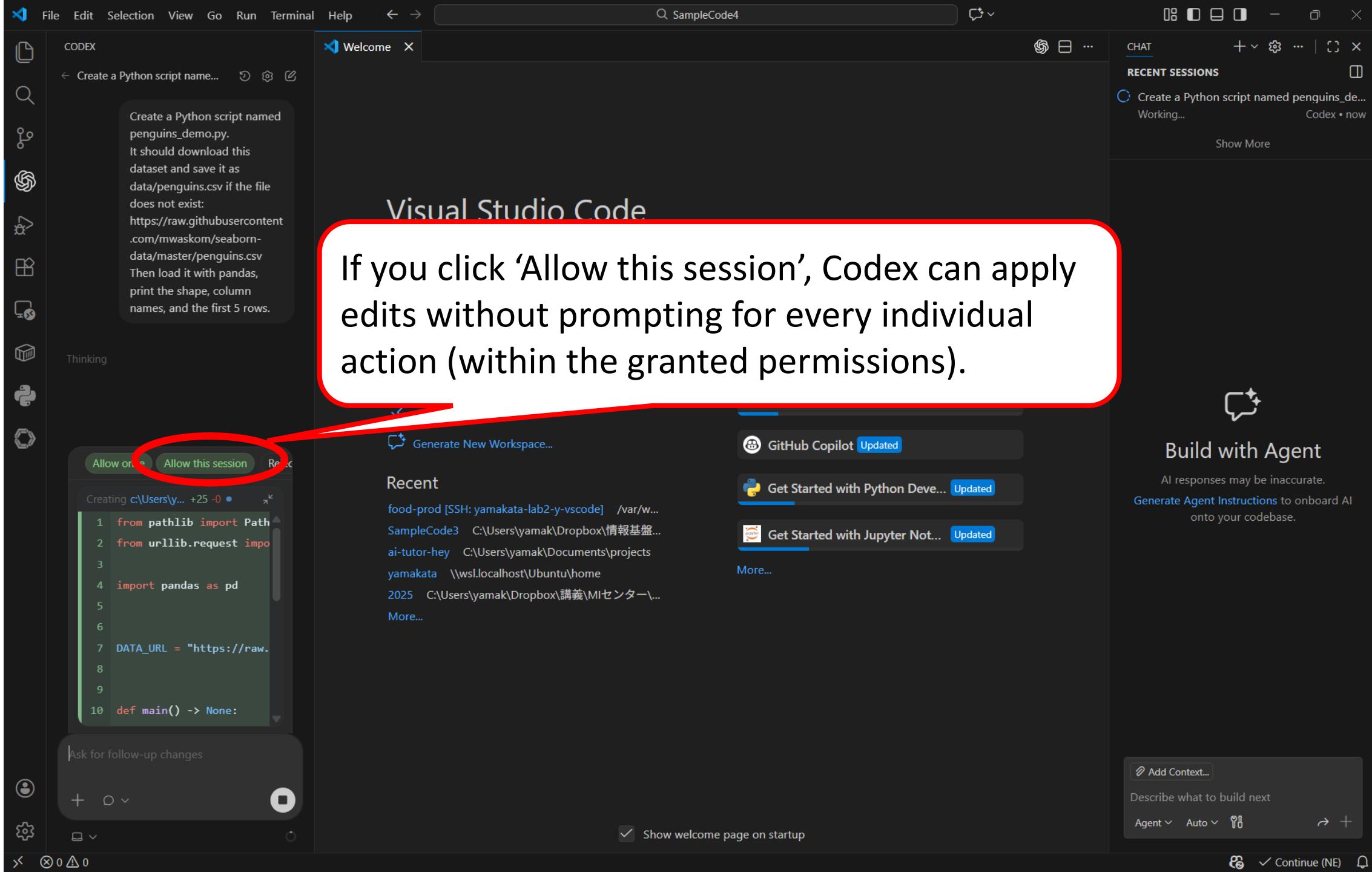
Ask for follow-up changes

 Show welcome page on startup

Add Context...

Describe what to build next

Agent Auto+ ?Continue (NE) ?



CODEX

Create a Python script name... Then load it with pandas, print the shape, column names, and the first 5 rows.

```
Created c:\Users\yamakata\Lab2\y-vscode\penguins_demo.py +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.githubusercontent.com/mwaskom/seaborn-data/master/penguins.csv"
8
9
10 def main() -> None:
11     pass
```

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 `penguins_demo.py +25 -0`

Ask for follow-up changes

Show welcome page on startup

CHAT

RECENT SESSIONS

- Create a Python script named penguins_demo.py... Completed in 43s. Codex • 1 min

Show More

Visual Studio Code

Editing evolved

Start

-
-
-
-
-
-

Recent

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

More...

Walkthroughs

- Customize your editor, learn the basics, and start coding
-
- Updated
- Updated
- Updated

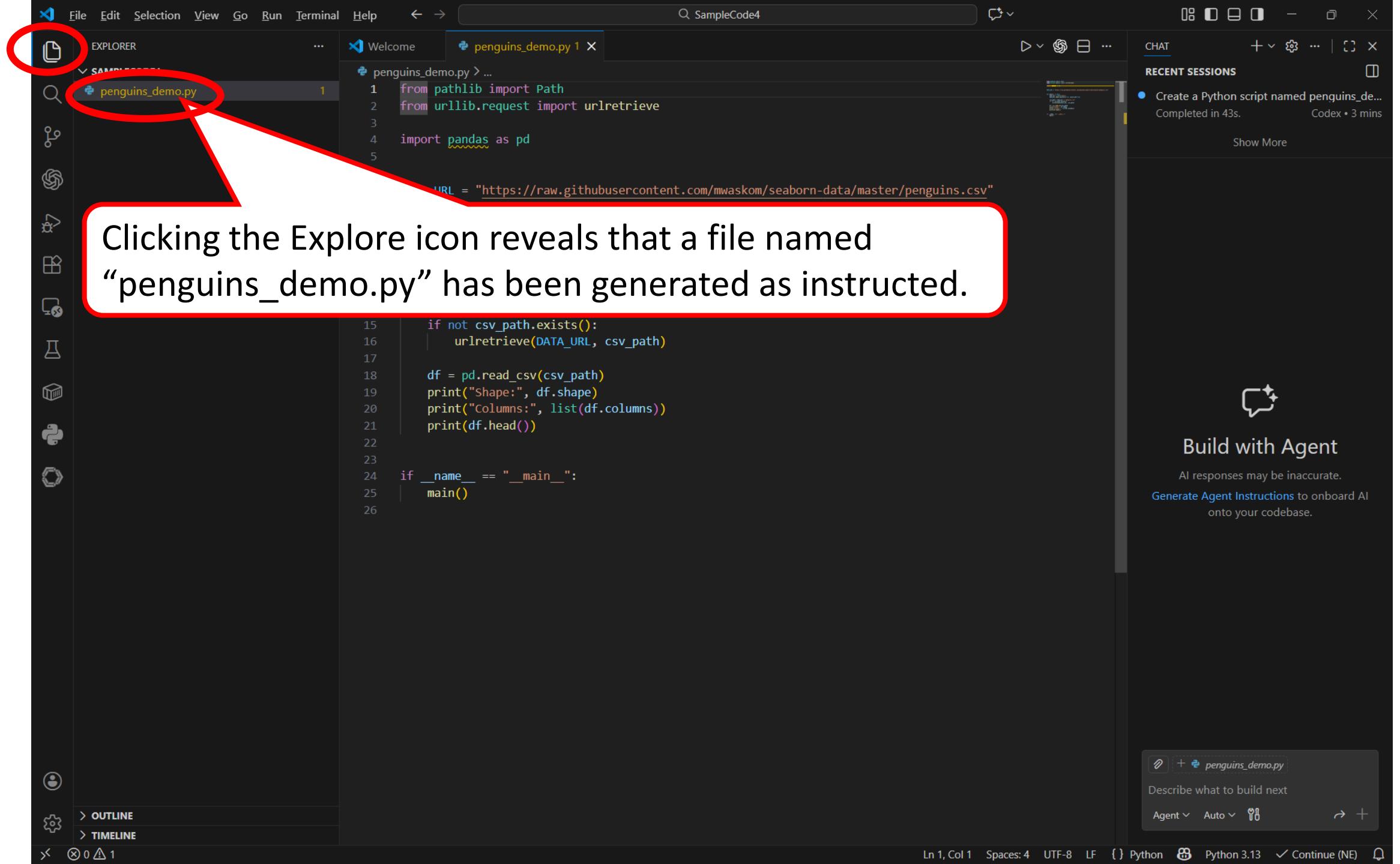
Build with Agent

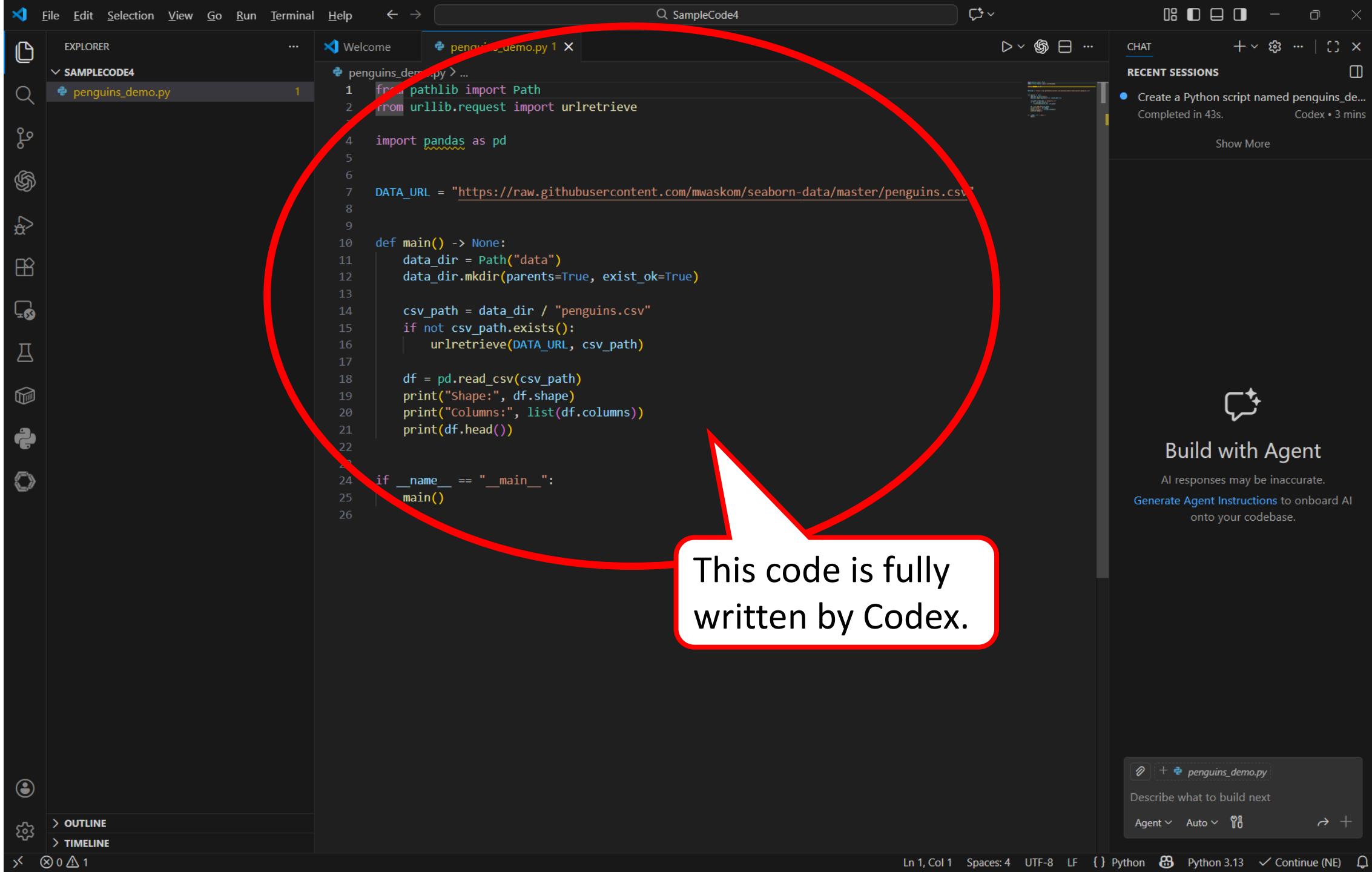
AI responses may be inaccurate. Generate Agent Instructions to onboard AI onto your codebase.

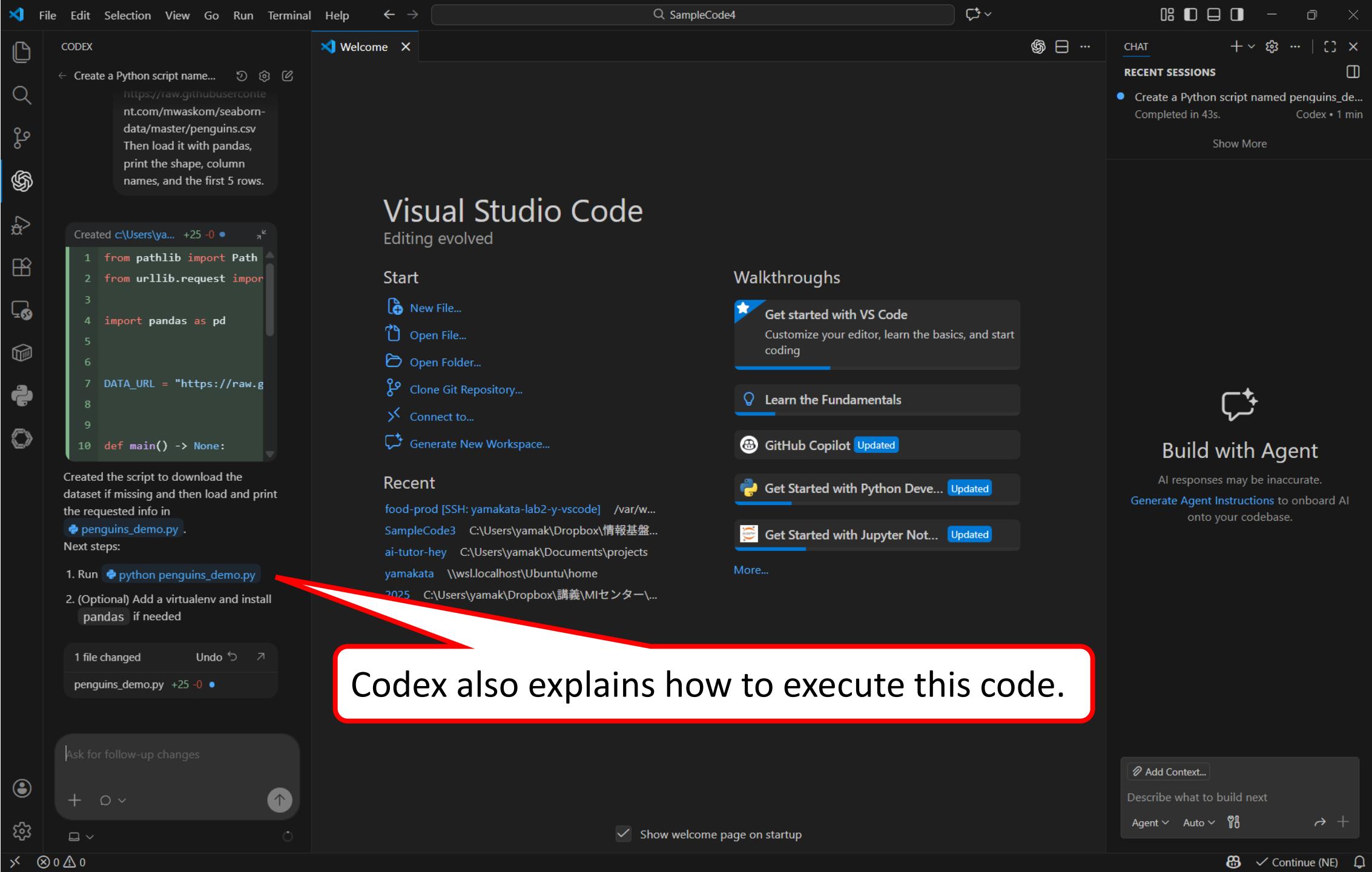
Add Context...

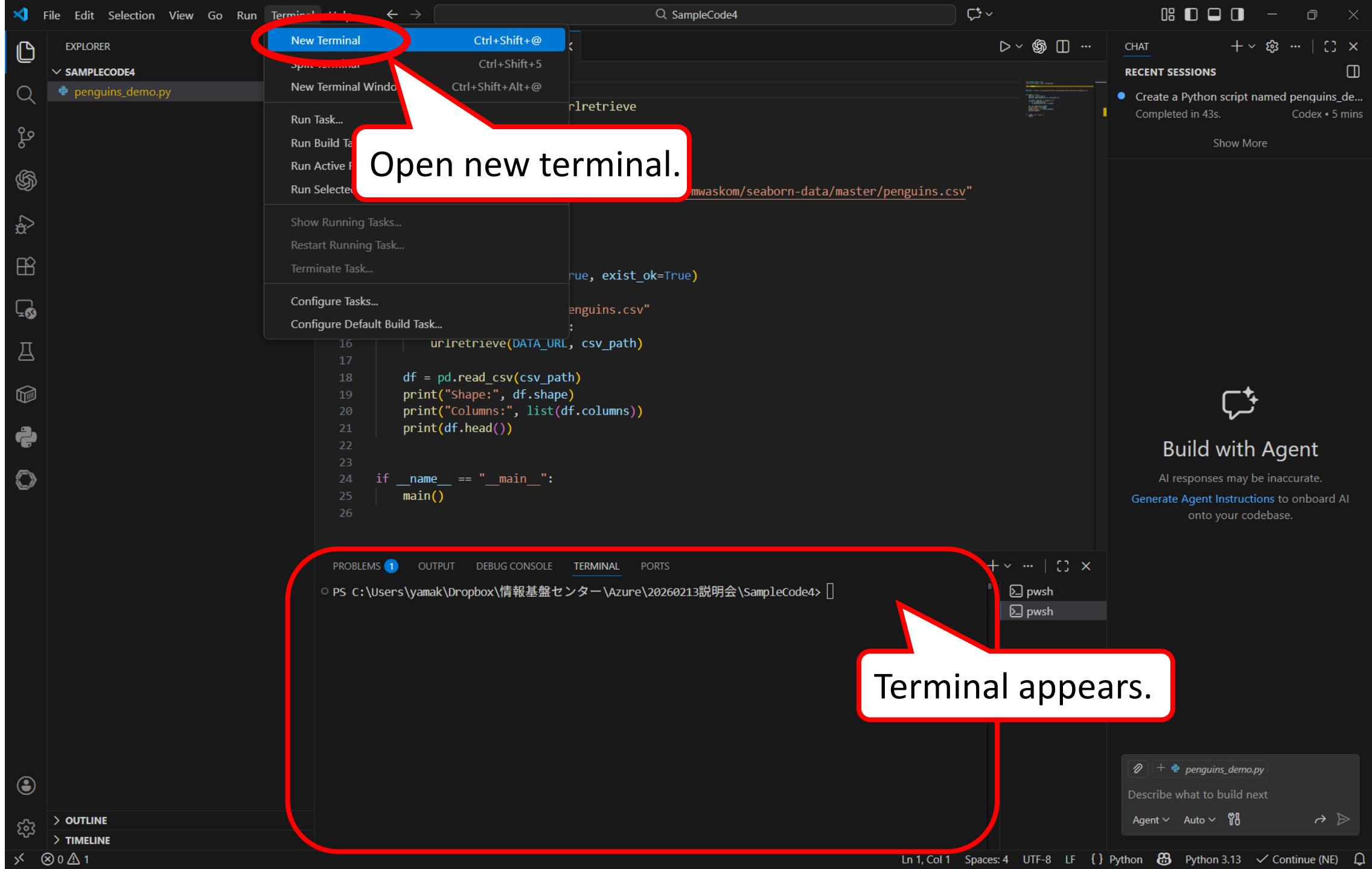
Describe what to build next

Agent









Input the command
the codex specified.

PROBLEMS 1 OUTPUT DEBUG CONSOLE TERMINAL PORTS

PS C:\Users\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\

Then, you can get
the results.

File Edit Selection View Go Run Terminal Help Q. SampleCode4

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 urlretrieve
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         urlretrieve(DATA_URL, csv_path)
```

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

CHAT RECENT SESSIONS

Create a Python script named penguins_demo.py... Completed in 43s. Codex • 26 mins Show More

PROBLEMS

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

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

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

Describe what to build next

Agent Auto

File Edit Selection View Go Run Terminal Help ← → Q SampleCode4

CODEX

Create a Python script name... penguins_demo.py 2

```
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     species_counts = df["species"].value_counts().sort_index()
18     plt.figure(figsize=(6, 4))
19     species_counts.plot(kind="bar", color="steelblue")
20
21     plt.savefig("species_count.png")
22
23     plt.show()
24
25     flipper_vs_mass = df[["flipper_length_mm", "body_mass_g"]].dropna()
26
27     plt.figure(figsize=(6, 4))
28     plt.scatter(flipper_vs_mass["flipper_length_mm"], flipper_vs_mass["body_mass_g"], c=species)
```

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:

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

1 file changed

Undo ↺ ↻

penguins_demo.py +30 -0

Ask for follow-up changes

PROBLEMS 2

OUTPUT DEBUG CONSOLE TERMINAL

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

	species	island	bill_length_mm	bill_depth_mm	flipper_length_mm	body_mass_g	sex
0	Adelie	Torgersen	39.1	18.7	182.0	3250.0	MALE
1	Adelie	Torgersen	39.5	17.4	180.0	3325.0	MALE
2	Adelie	Torgersen	40.3	18.0	188.0	3350.0	MALE
3	Adelie	Torgersen	NaN	NaN	193.0	3450.0	FEMALE
4	Adelie	Torgersen	36.7	19.3	190.0	3355.0	FEMALE

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_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.

The code is automatically updated.

File Edit Selection View Go Run Terminal Help < > Q. SampleCode4

EXPLORER ...

SAMPLECODE4 ...

data ...

outputs ...

outputs > flipper_vs_mass.png

Welcome penguins_demo.py 2

outputs > flipper_vs_mass.png

CHAT ...

RECENT SESSIONS

Create a Python script named penguins_de... Completed in 23s. Codex • 4 mins

Show More

Flipper Length vs Body Mass

Adelie Chinstrap Gentoo

6000 5500

4000 3500 3000

170 180 190 200 210 220 230

Flipper Length (mm)

Then you can find the plot saved as 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>

Run the code again...

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)

File Edit Selection View Go Run Terminal Help ← → Q. SampleCode4

CODEX
Create a Python script name... ① ⚙️

```
13     data_dir.mkdir(parent
14     output_dir = Path("ou
15     output_dir.mkdir(pare
16
17
18
19
20
21
22
23
24
25
26     species_counts = df["Species"]
27     plt.figure(figsize=(6, 4))
```

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:

1. Run `python penguins_demo.py`
2. 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

Body Mass (g)

Species: Adelie, Chinstrap, Gentoo

PROBLEMS

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

Species	Adelie	Chinstrap	Gentoo			
1	Torgersen	39.5	17.4	186.0	3800.0	FEMALE
2	Torgersen	40.3	18.0	195.0	3250.0	FEMALE
3	Torgersen	NaN	NaN	NaN	NaN	NaN
4	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

Whole Image 900x600 86.75KB ✓ Continue (NE)

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 matplotlib
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 ↞ ↞

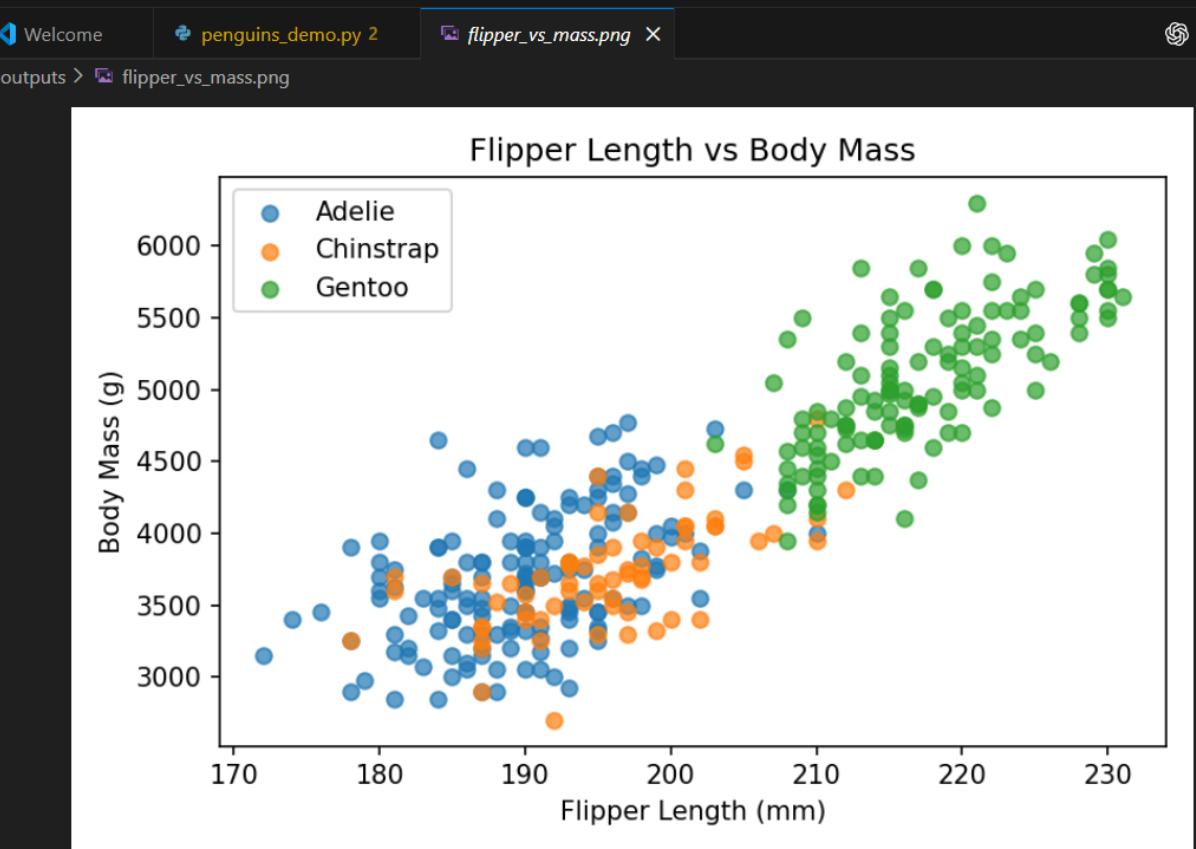
README.md +11 -0

Ask for follow-up changes

+

...

...



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

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>

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

Install Show Recommendations

File Edit Selection View Go Run Terminal Help < > Q. SampleCode4

EXPLORER

SAMPLECODE4

- data
- penguins.csv
- outputs
- flipper_vs_mass.png
- species_count.png
- penguins_demo.py
- README.md

Welcome penguins_demo.py 2 README.md

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

CHAT

RECENT SESSIONS

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

Show More

Now you can find the "README.md" file.

Explain about this project.

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

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

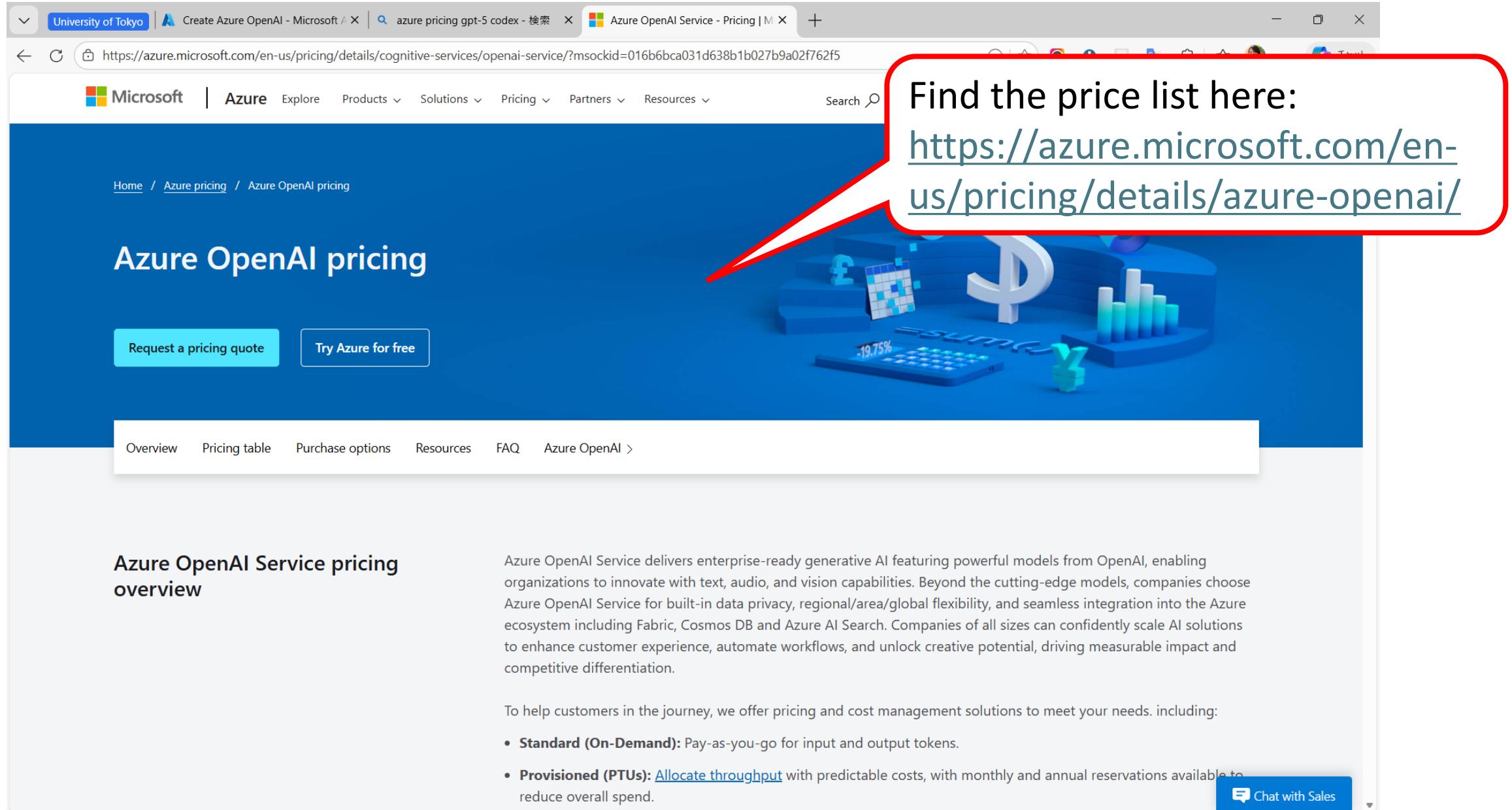
Install Show Recommendations

Ln 1, Col 1 Spaces: 4 UTF-8 LF { } Markdown ✓ Continue (NE)

6. Usage & Cost Monitoring

Check pricing and usage amount.

Price of Codex on Azure



The screenshot shows the Azure OpenAI Service Pricing page. The top navigation bar includes tabs for University of Tokyo, Create Azure OpenAI - Microsoft, and Azure OpenAI Service - Pricing. The main content area is titled "Azure OpenAI pricing" and features a large blue banner with "Azure OpenAI pricing" text, a "Request a pricing quote" button, and a "Try Azure for free" button. Below the banner is a navigation bar with links for Overview, Pricing table, Purchase options, Resources, FAQ, and Azure OpenAI. The main content section is titled "Azure OpenAI Service pricing overview" and contains a detailed description of the service, pricing options, and a "Chat with Sales" button.

Find the price list here:
<https://azure.microsoft.com/en-us/pricing/details/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 =

If you chose “East US”...

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).

Output: ¥1,559.51

Input: ¥194.94

Cached Input: ¥19.50

Output: ¥1,559.51

GPT-5.1-codex Global

GPT-5.1-codex-max Global

GPT-5.1-codex-mini Global

Input: ¥194.94

Cached Input: ¥19.50

Output: ¥1,559.51

Input: ¥38.99

Cached Input: ¥3.90

Output: ¥311.91

Region:

Japan East

Currency:

Japan

JPY

50

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

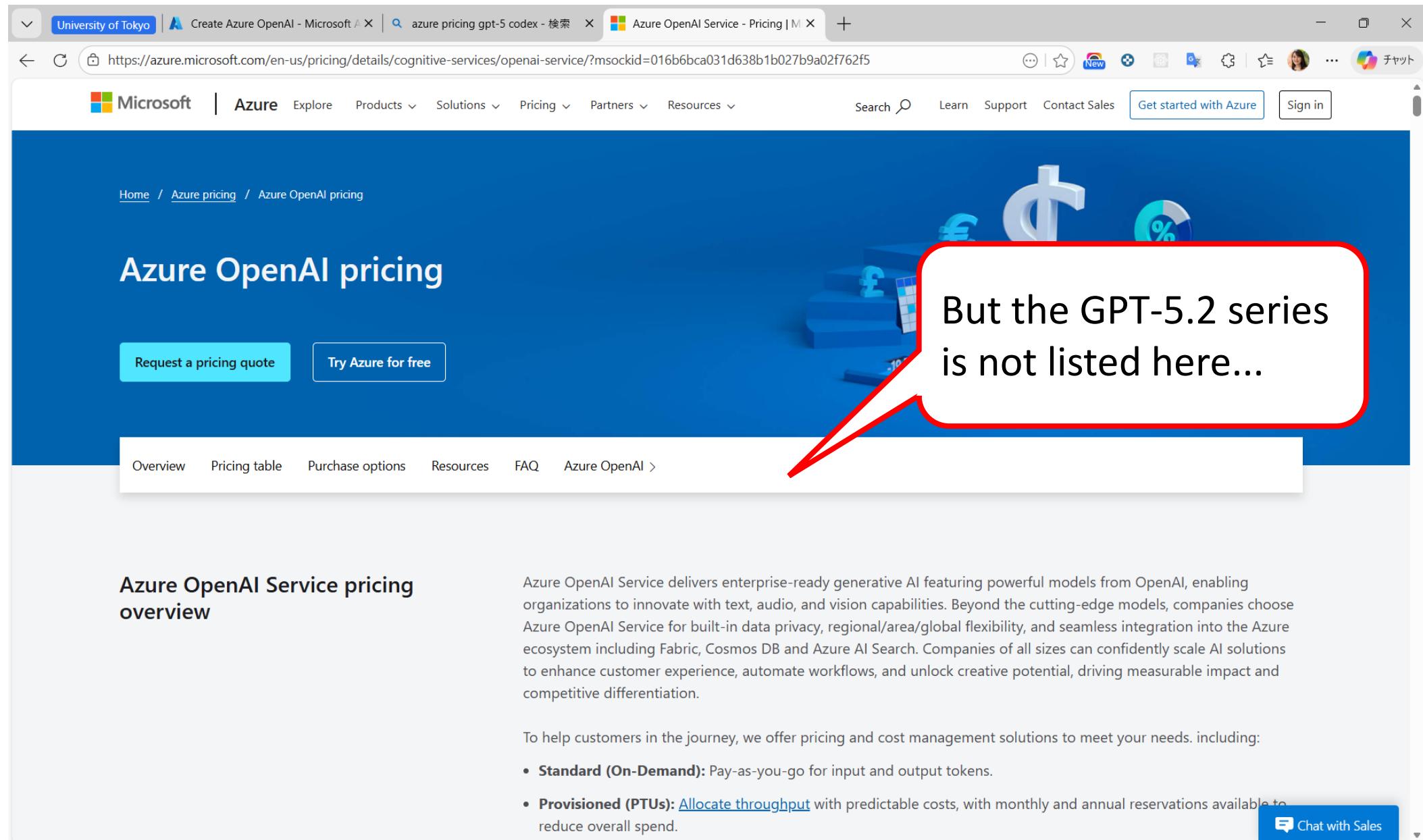
GPT-5.1-codex-mini Global

Input: ¥38.99

Cached Input: ¥3.90

Output: ¥311.91

Price of Codex on Azure



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

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

Microsoft | Azure Explore Products Solutions Pricing Partners Resources Search Learn Support Contact Sales Get started with Azure Sign in

Home / Azure pricing / Azure OpenAI pricing

Request a pricing quote Try Azure for free

But the GPT-5.2 series is not listed here...

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

UTokyoAzureGP2026CodeAI - Microsoft Foundry Model catalog - Microsoft Foundry Announcing GPT-5.2-Codex in Microsoft Azure | Download Visual Studio Code - Microsoft

https://ai.azure.com/resource/models?wsid=/subscriptions/a600356d-63a3-483e-b4bb-59629c01a212/resourceGroups/UTokyoAzureGP2026/providers/Microsoft.CognitiveServices/accounts/UTokyoAzureGP2026CodeAI/eastus2, S0

Microsoft Foundry / proj-default / Model catalog

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

Overview Model catalog (selected) 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 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.

Browse leaderboards

Quality

- 1 gpt-5.2-codex
- 2 gpt-5.2
- 3 claude-opus-4-5

Safety

- 1 gpt-5-pro
- 2 claude-haiku-4-5
- 3 gpt-5.2-codex

Cost

- 1 gpt-5-nano
- 2 mistral-small-2503
- 3 gpt-4.1-nano

Throughput

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

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DeepSeek-V3.2-Speciale Chat completion

gpt-5.2-chat Chat completion, Responses

gpt-5.2 Chat completion, Responses

Cohere-rerank-v4.0-pro Text classification

Cohere-rerank-v4.0-fast Text classification

Kimi-K2-Thinking Chat completion

gpt-5.1-codex-max Responses

claude-opus-4-5 Messages

claude-sonnet-4-5 Messages

gpt-5.1 Messages

gpt-5.1-codex Responses

DeepSeek-V3.1 Chat completion

Mistral-Large-3 Chat completion

gpt-5-chat Chat completion, Responses

claude-haiku-4-5 Messages

model-router Chat completion

claude-opus-4-1 Messages

grok-4 Chat completion

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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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gpt-5.2-codex

Use this model Fine-tune

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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 1

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

Key capabilities

About this model

This model is provided through the Azure OpenAI Service.

Key model capabilities

- Multimodal reasoning: Accepts both text and image inputs—ideal for reasoning across code, UI states, architecture diagrams, and design comps in single workflow.
- Context-aware code reviews: Surfaces critical flows and quality issues with AI-powered insights into your development surfaces.
- Asynchronous execution: Supports long-running tasks with model-guided loops that retain state and context across interactions.
- 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

Training data last updated **September 2024**

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

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gpt-5.2-codex

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See pricing

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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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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.

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 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 about [Deployment configuration](#).

Click

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

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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

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

 Naomi Moneypenny  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.

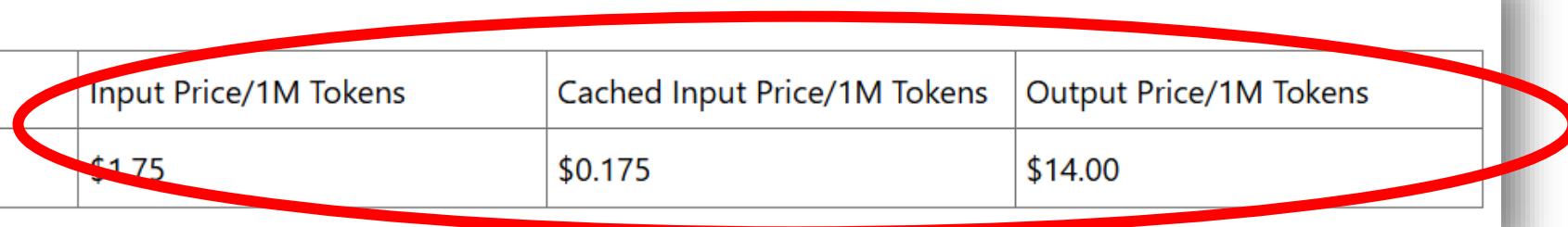
What it enables

- 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



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

UTokyoAzureGP2026CodeAI

Models + endpoints

Announcing GPT-5.2-C

Announcing GPT-5.2-C

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Model deployments Service endpoints

+ Deploy model Refresh Edit Open in playground Reset view

Columns

Name	Model name	Model version	State	Model retirement date	Content filter	D
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

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Name

Model name

Model version

State

Model retirement date

Content filter

D

gpt-5.1-codex

gpt-5.2-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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Detail Metrics

Request quota Edit Delete

Endpoint

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

Key:

Started

SDK: curl

Authentication type: Key Authentication

Move to the “Metrics” page.

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" -H "Content-Type: application/json" \ -H "Authorization: Bearer $AZURE_API_KEY" \
```

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

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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

Input vs Output vs Total

Time (Local)

Total prompt token count Total completion token count Total token count

Number of requests

Number of requests

Time (Local)

Number of requests

Latency metrics

Time to first byte (in ms)

Time to last byte (in ms)

5

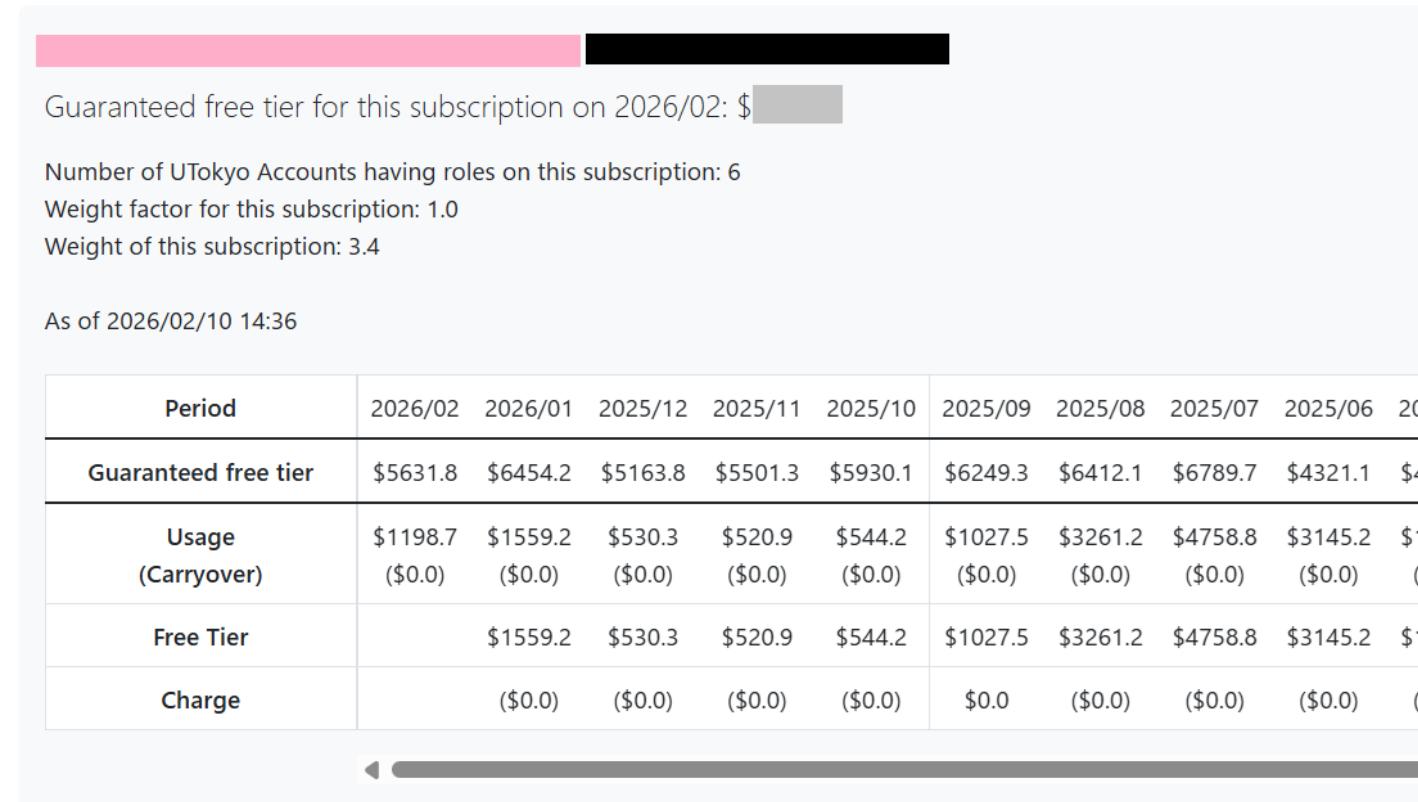
How to calculate the cost from the metrics summary?

- 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:** $31.97K \text{ input tokens} = 31,970 / 1,000,000 \times \$1.75 \approx \$0.0559 \text{ USD}$
 - **Output cost:** $1.05K \text{ output tokens} = 1,050 / 1,000,000 \times \$14 \approx \$0.0147 \text{ USD}$
 - **Total cost in USD: \$0.0706 USD ≈ ¥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: \$ [REDACTED]

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	202
Guaranteed free tier	\$5631.8	\$6454.2	\$5163.8	\$5501.3	\$5930.1	\$6249.3	\$6412.1	\$6789.7	\$4321.1	\$41
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)	\$14 (\$0.0)
Free Tier		\$1559.2	\$530.3	\$520.9	\$544.2	\$1027.5	\$3261.2	\$4758.8	\$3145.2	\$14
Charge		(\$0.0)	(\$0.0)	(\$0.0)	(\$0.0)	\$0.0	(\$0.0)	(\$0.0)	(\$0.0)	(\$0.0)