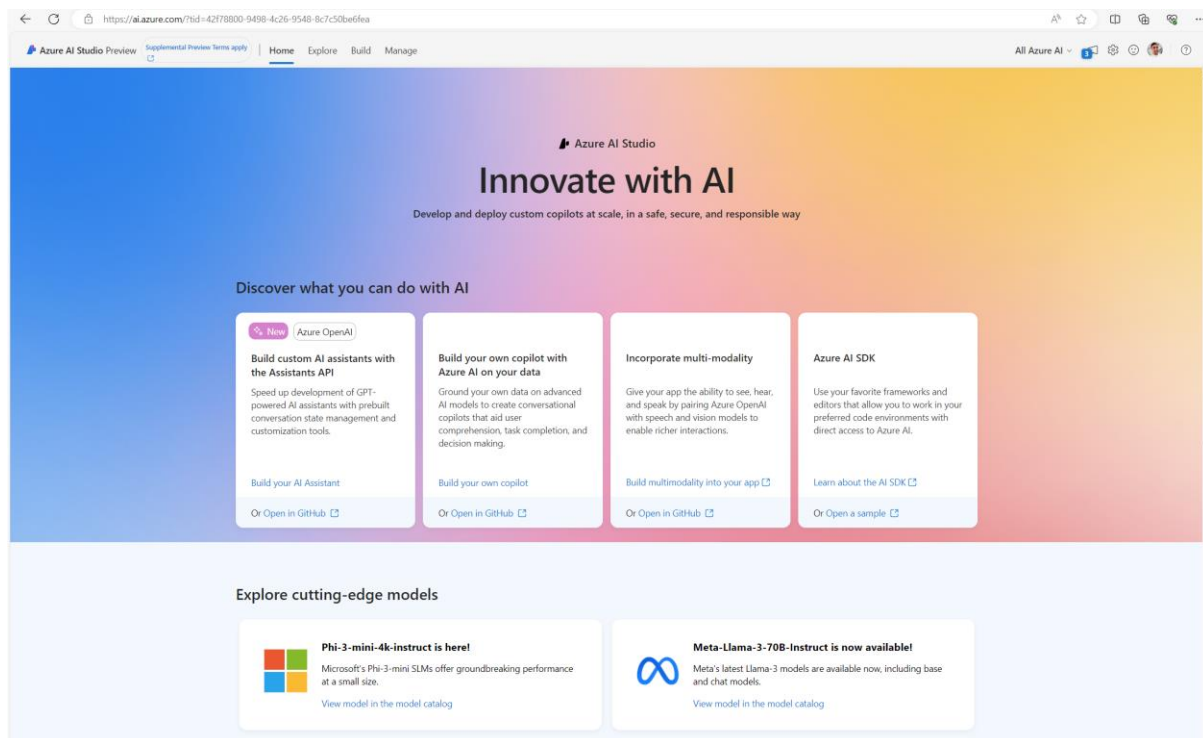


## Explore Azure AI Studio

### Open Azure AI Studio

Let's start by viewing Azure AI Studio.

1. In a web browser, open <https://ai.azure.com> and sign in using your Azure credentials. The home page of Azure AI Studio looks similar to the following image:



2. Review the information on the home page and view each of the tabs, noting the options to explore models and capabilities, create projects, and manage resources.

### Create an Azure AI Hub

You need an Azure AI Hub in your Azure subscription to host projects. You can either create this resource while creating a project, or provision it ahead of time (which is what we'll do in this exercise).

1. On the **Manage** page, select **+ New Azure AI Hub**. Then, in the **Create a new Azure AI Hub** wizard, create a new resource with the following settings:
  - **Azure AI Hub name:** *A unique name*
  - **Subscription:** *Your Azure subscription*
  - **Resource group:** *Create a new resource group with a unique name, or select an existing one*

- **Location:** *Make a **random** choice from any of the following regions\**
  - Australia East
  - Canada East
  - East US
  - East US 2
  - France Central
  - Japan East
  - North Central US
  - Sweden Central
  - Switzerland North
  - UK South
- **Azure OpenAI:** (New) *ai-hub\_name*
- **AI Search:** (None)

\* Azure OpenAI resources are constrained at the tenant level by regional quotas. The listed regions include default quota for the model type(s) used in this exercise. Randomly choosing a region reduces the risk of a single region reaching its quota limit in scenarios where you are sharing a tenant with other users. In the event of a quota limit being reached later in the exercise, there's a possibility you may need to create another resource in a different region.

After the Azure AI Hub has been created, it should look similar to the following image:

← ↻ 🔒 https://ai.azure.com/manage/overview?tid=42f78800-9498-4c26-9548-8c7c50be6fea&wsid=/subscriptions/d3ff33b2-c334-4129-8799-c8eeffb... A ☆ 📄 🗂️ 🌐

Azure AI Studio Preview Supplemental Preview Terms apply | Home Explore Build **Manage** All Azure AI 3 ⚙️ 😊 👤 ?

Hubs / Aistudiohub / Overview

### Overview

#### Resource configuration

[View in the Azure Portal](#)

Subscription	Location
21042024	eastus
Resource Group	Public network access
myrg	Enabled
Storage account	
aistudiohub8704731109	

[Get API endpoints](#)  
[View subscription quota](#)

---

#### Permissions 1

[View all](#)

G Groups and application permissions  
+ 6

[Manage in Azure Portal](#)

+ New member

---

#### Description

[Edit](#)

Add a hub description here

---

#### Projects 0

[View all](#)

Project	Created on
+ New project	

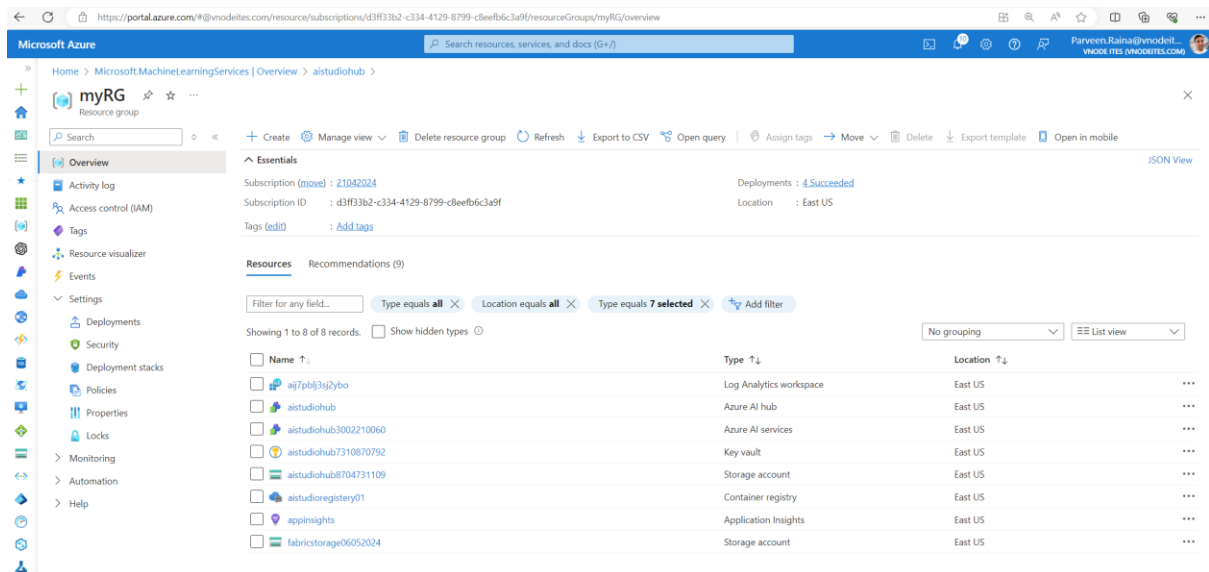
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#### Connected resources 2

[View all](#)

Name	Type
<a href="#">aistudiohub3002210060</a>	AI Services
<a href="#">aistudiohub3002210060_aoui</a>	Azure OpenAI
+ New connection	

2. Open a new browser tab (leaving the Azure AI Studio tab open) and browse to the Azure portal at <https://portal.azure.com>, signing in with your Azure credentials if prompted.
3. Browse to the resource group where you created your Azure AI Hub, and view the Azure resources that have been created.

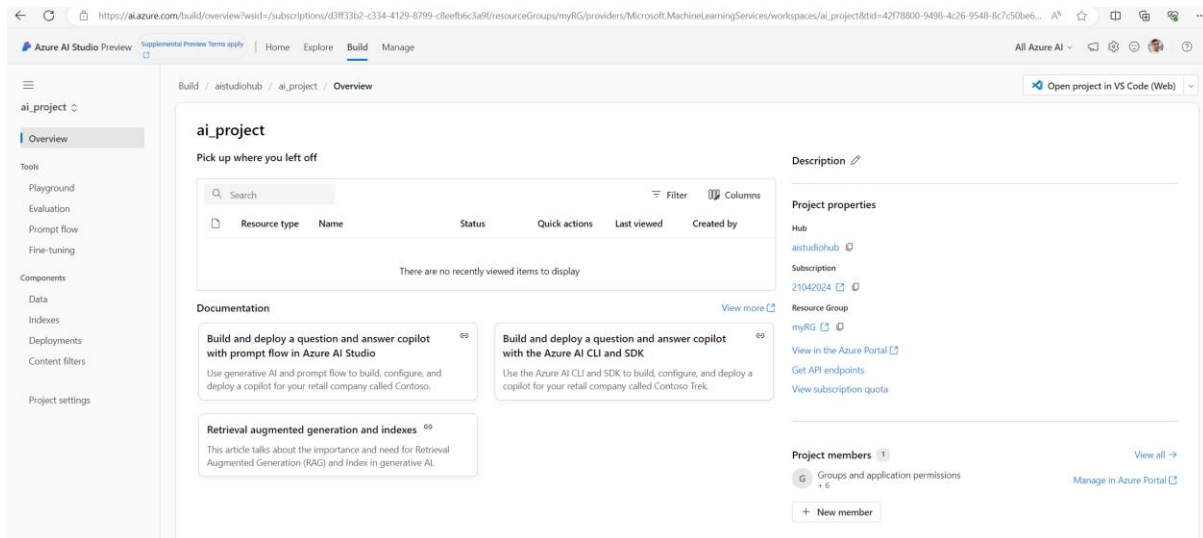


4. Return to the Azure AI Studio browser tab.
5. View each of the pages in the pane on the left side of the page for your Azure AI Hub, and note the artifacts you can create and manage. On the **Connections** page, observe that a connection to the Azure OpenAI resource you created with your Azure AI Hub named **Default\_AzureOpenAI** has already been created.

## Create a project

An Azure AI Hub provides a collaborative workspace within which you can define one or more *projects*. Let's create a project in your Azure AI Hub.

1. In Azure AI Studio, on the **Build** page, select **+ New project**. Then, in the **Create a new project** wizard, create a project with the following settings:
  - **Project name:** *A unique name for your project*
  - **AI Hub:** *Your AI Hub*
2. Wait for your project to be created. When it's ready, it should look similar to the following image:



3. View the pages in the pane on the left side, expanding each section, and note the tasks you can perform and the resources you can manage in a project.

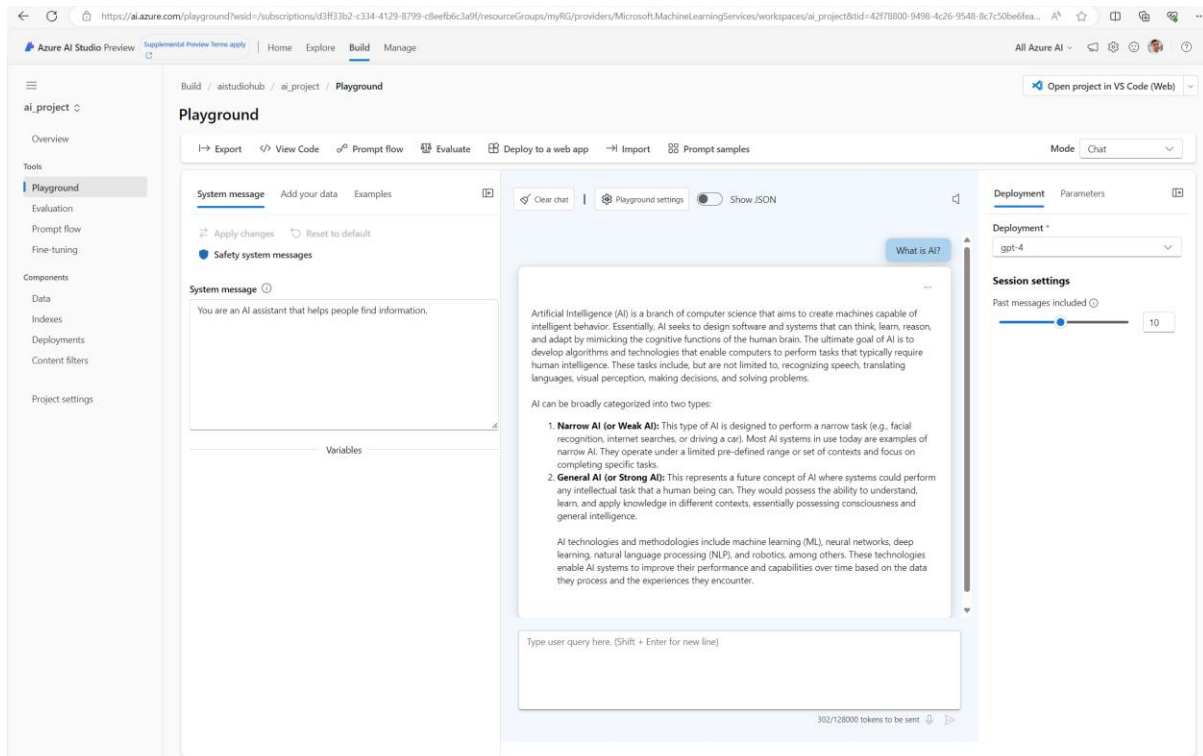
## Deploy and test a model

You can use a project to create complex AI solutions based on generative AI models. A full exploration of all of the development options available in Azure AI Studio is beyond the scope of this exercise, but we'll explore some basic ways in which you can work with models in a project.

1. In the pane on the left for your project, in the **Components** section, select the **Deployments** page.
2. On the **Deployments** page, select **+ Create** and create a real-time endpoint deployment.
3. In the **Select a model** list, select the **gpt-35-turbo** model and confirm your selection. Then deploy the model with the following settings:
  - **Deployment name:** *A unique name for your model deployment*
  - **Model:** gpt-35-turbo
  - **Model version:** *Select the default version*
  - **Advanced options:**
    - **Content filter:** Default
    - **Deployment type:** Standard
    - **Tokens per Minute Rate Limit (thousands):** 5K

**Note:** Reducing the TPM helps avoid over-using the quota available in the subscription you are using. 5,000 TPM is sufficient for the data used in this exercise.

4. After the model has been deployed, in the pane on the left, in the **Tools** section, select the **Playground** page.
5. In the **Playground** page, ensure that your model deployment is selected in the **Configuration** section. Then, in the **Chat session** section, enter a query such as *What is AI?* and view the response:



## Clean up

If you've finished exploring Azure AI Studio, you should delete the resources you have created in this exercise to avoid incurring unnecessary Azure costs.

1. Return to the browser tab containing the Azure portal (or re-open the [Azure portal](#) in a new browser tab) and view the contents of the resource group where you deployed the resources used in this exercise.
2. On the toolbar, select **Delete resource group**.
3. Enter the resource group name and confirm that you want to delete it.