

# Introduction

**Data:** Please refer to the data folder in the GitHub repository shared with you during the event. Please refer to the Readme file in the GitHub repository for the data description and the problem statement

**Overview:** We'll build a chatbot powered by Azure AI services such as Azure AI Search, Azure Open AI, and Azure AI Studio. This chatbot will be capable of ingesting any document, responding to questions based on only the information available in the documents, and handling multi-turn conversations. Assuming this is our first AI chatbot project, we will detail the steps. We'll use Azure AI Studio to develop this solution and deploy a sample interactive web application.

If time permits, we'll also investigate how to change prompts and parameters like top\_k and their impact on responses. We will also try to give you a glimpse at other developer features, such as prompt flow and evaluation flow.

**Note:** In this step-by-step guide, we have used the resource configuration in table-1. You will receive your own temporary values at the venue for this hackathon including a username.

Please follow the naming convention in Table 2 to create the names of the remaining Azure resources.

S No	Configuration	Name used in the documentation	Description
1	User name	Indonesia01	Azure User name provided
2	Azure subscription	Tiger analytics-01	Name of Azure Subscription
3	Location	Australia East	Location to create Azure Resources
4	Azure OpenAI	openai-tigeranalytics-01	Name of Azure OpenAI service

Table - 1

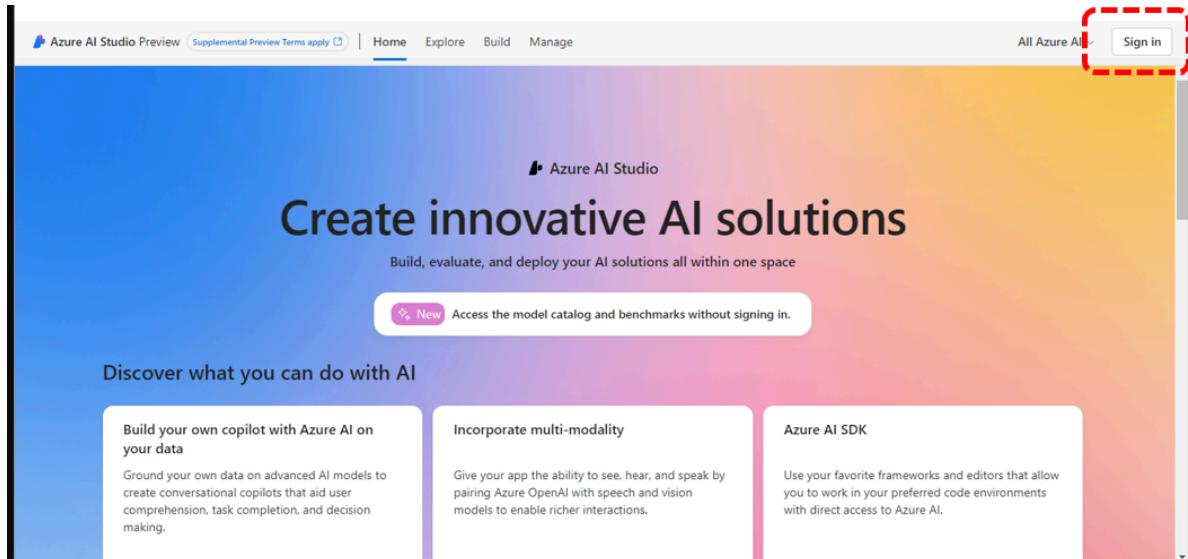
S No	Configuration	Naming Convention	Name used in documentation
1	Resource group name	rg-<User name>ai	rg-Indonesia01ai
2	Azure AI search	<User name>aisearch	Indonesia01aisearch
3	Connection storage name	<User name>docs	Indonesia01docs
4	Index name	ai-build-<User name>-index-<version>	ai-build-indonesia01-index-v8
5	Web app name	<User name>-web app	Indonesia01-web app

Table 2

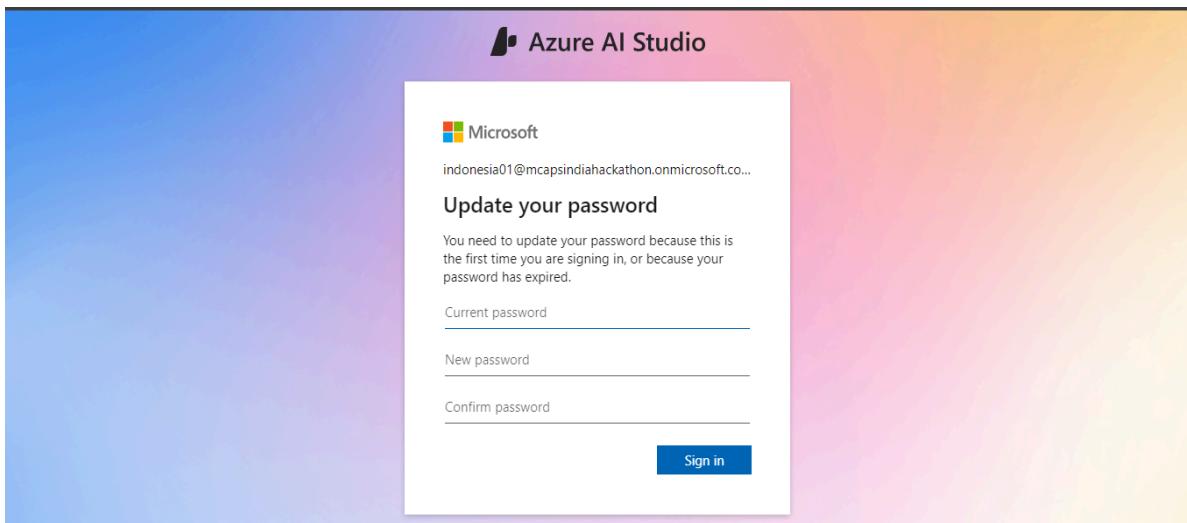
# Creating your project in AI Studio

## 1. Log in to the Azure AI Studio Portal

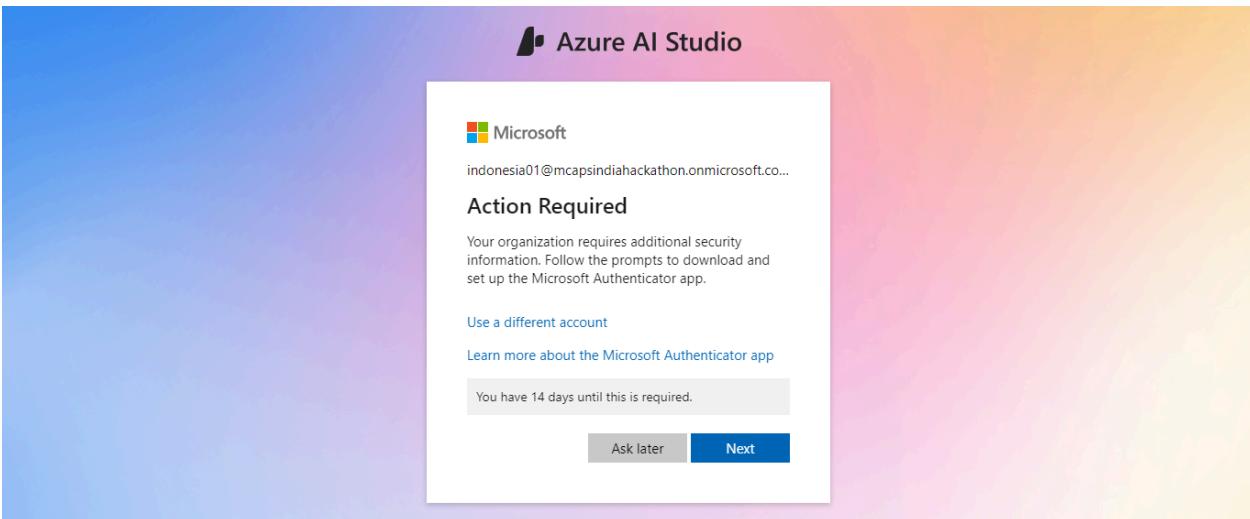
1. Please go to [Azure AI Studio Portal \(ai.azure.com\)](https://ai.azure.com) from your browser (please use Incognito/private mode to avoid clashes with your existing work profile)
2. Click on the Sign-in Button and enter the credentials shared with you at the registration desk.  
(Please keep your slip with you till the end of the event)



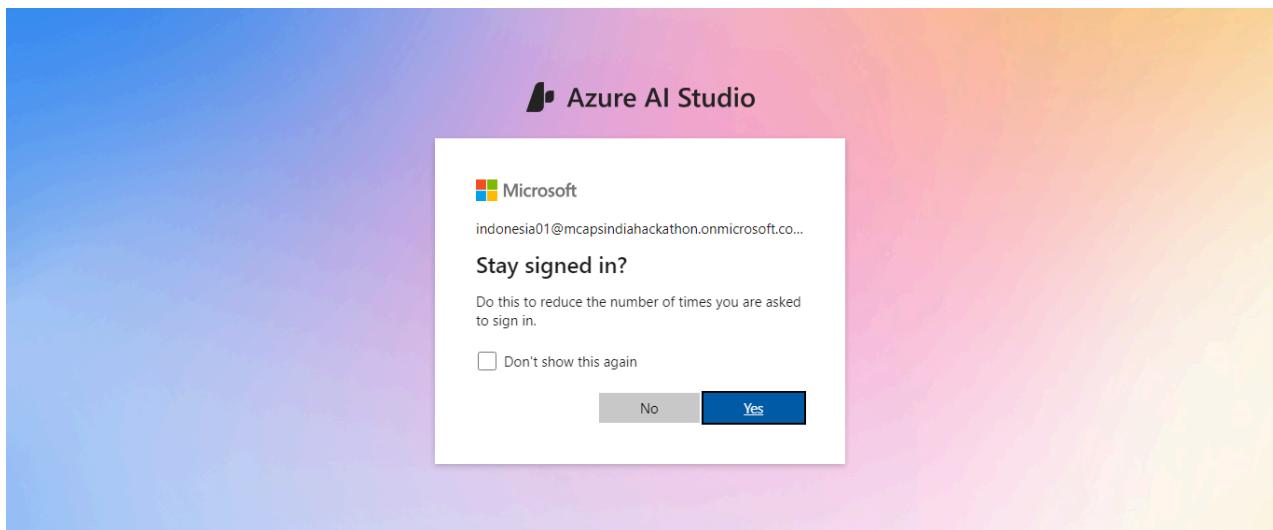
3. Please change the password after successful log in.



4. Setup MFA/authenticator: Skip this step by clicking “Ask Later.”



5. Click on **Yes** in the next step.



## 2. Create a new project.

1. Go to the **Build** tab on the top and click on the **New AI Project** button

The screenshot shows the Azure AI Studio Preview interface with the 'Build' tab selected. The main area displays a table titled 'AI projects' with one entry: 'malaysia-user-test' under 'AI project', 'malaysia-test' under 'Resource', 'eastus2' under 'Region', and 'Mar 13, 2024 4:0' under 'Created on'. At the top left, there is a '+ New AI project' button. The top navigation bar includes links for Home, Explore, Build, Manage, and supplemental preview terms. On the right side, there are filter and column settings, along with user profile icons.

2. In the Create Project window, add a project name with the following naming convention. "ai-build-" + login ID + version number. E.g. "ai-build-indonesia01-v1"
3. Click on the **Create a new hub**. This should open a new window for the hub details.

The screenshot shows the 'Create a project' dialog. On the left, there is a sidebar with a 'Project details' section containing a 'Project name' field with the value 'ai-build-indonesia01-v1' highlighted by a red box. To the right, there is a 'Hub' section with a 'Select or search by name' input field and a 'Create a new hub' button, both also highlighted by red boxes. At the bottom right of the dialog are 'Create a project' and 'Cancel' buttons.

4. In the new window,
  - a) Under the **Hub name**, your user ID will be populated by default. If not, please add an appropriate resource name (userid+"\_ai", Ex: "Indonesia01\_ai"). If your user ID has dots in it, remove it.

- b) Under **Subscription**, select the default option. It will look like **Tiger analytics-<number>**, e.g. Tiger analytics-01
- c) Under the **Resource group**, select “(new) + <the name you added in the **Hub name**>,” which will be displayed by default.
- d) Under the **Location**, select **Australia East**.

**Create a project**

Project details

>Create a hub

Review and finish

Create a hub for your projects  
A hub is the collaboration environment for your team to share your project work, model endpoints, compute, (data) connections, and security settings. [Learn more](#)

Do you need to customize security or the [dependent resources](#) of your hub? [Go to Azure Portal](#)

**Hub name \***  
Indonesia01\_ai

**Subscription \* ⓘ** [Create new subscription](#)  
Tiger analytics-01

**Resource group \*** [Create new resource group](#)  
(new) rg-Indonesia01\_ai

**Location \***  
Australia East

[Help me choose](#)

**Connect Azure AI Services or Azure OpenAI \* ⓘ** [Create new AI Services](#)  
openai-tigeranalytics-101

**Connect Azure AI Search** [Create new AI Search](#)  
aihubsearch2401

[Back](#) [Next](#) [Create a project](#) [Cancel](#)

- e) Under **Azure OpenAI**, select the dropdown menu and select **the available Azure Open AI resource**. It will be in the format **openai-tigeranalytics-<number>**. e.g. **openai-tigeranalytics-01**
- f) Under **Connect Azure AI search**, select the option from the drop-down which looks like “**aihubsearch24<number>**” and click “**Next**”
- g) Review the details and Click on “**Create a project**” only if the resources are in the format as in the above screenshot. Otherwise, recheck the services, and if the service names do not match those shown below, please contact one of the event coordinators.
- h) Please wait while the Azure services are created for you. It might take a couple of minutes.

## Create a project

Project details  
Create a hub  
Review and finish

**Review and finish**

The following resources will be created for you, along with required dependencies. The creation of the first hub and project may take a few minutes to complete. [Learn more about hubs and dependencies](#).

**Hub**

Name: Indonesia01\_ai  
Subscription: Tiger analytics-01  
Resource group: rg-Indonesia01\_ai  
Location: australiaeast

**Project**

Name: ai-build-Indonesia01-v1  
Subscription: Tiger analytics-01  
Resource group: rg-Indonesia01\_ai

**Linked Azure OpenAI**

Name: openai-tigeranalytics-101

**AI Services**

Name: ai-Indonesia01\_ai

**Linked Azure AI Search**

Name: aihubsearch2401

[Back](#) [Create a project](#) [Cancel](#)

## Create a project

Project details  
Create a hub  
Review and finish

**Review and finish**

The following resources will be created for you, along with required dependencies. The creation of the first hub and project may take a few minutes to complete. [Learn more about hubs and dependencies](#).

Resource	Type
ai-build-Indonesia01-v1	AI project
Indonesia01_ai	AI hub
ai-Indonesia01_ai	AI Services
stindonesia0	Storage account
kv-indonesi	Key vault

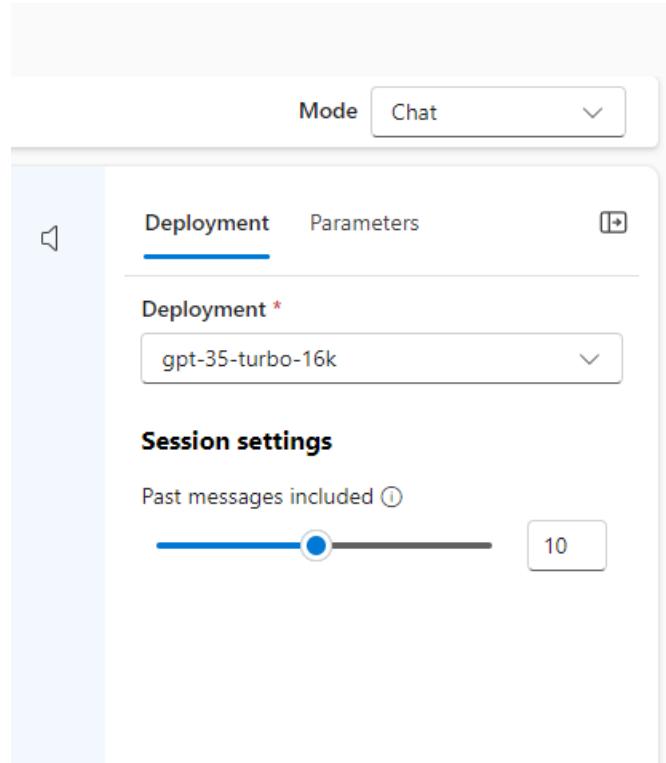
 [Validating resources...](#) [Create a project](#) [Cancel](#)

- i) It will automatically redirect you to the Project **Overview** page. Click on the **Playground** to start with the next step.

### 3. Building your project

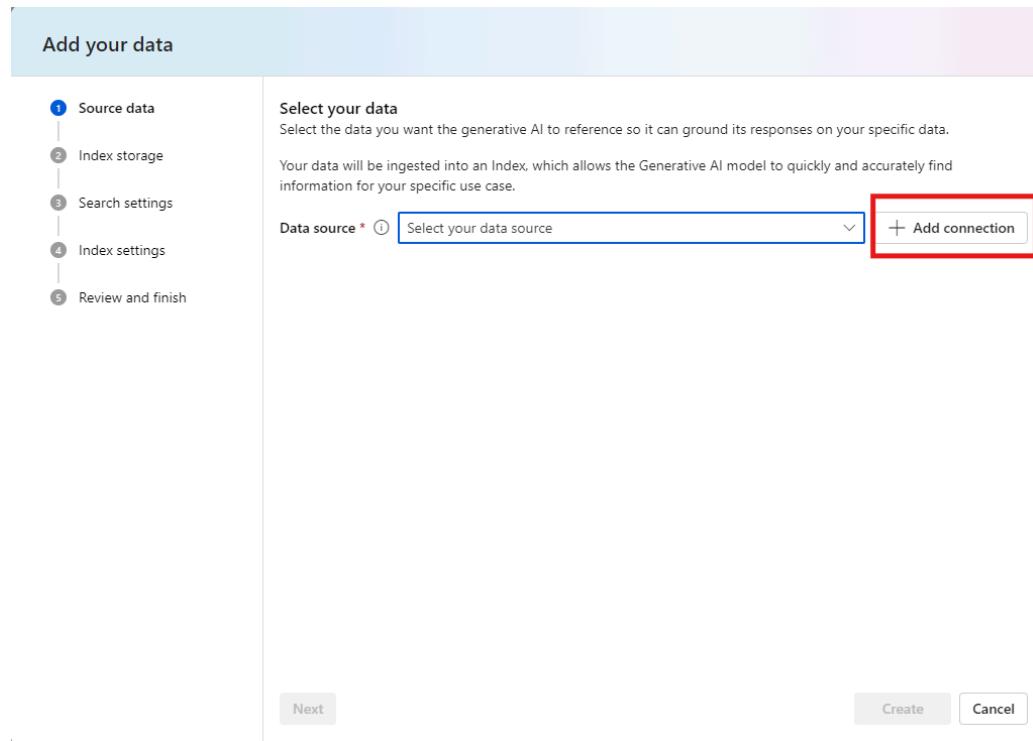
1. On the project page, notice the left-hand side navigation sidebar. Click on the **Playground** if you haven't yet. You will see the Playground in the screenshot below.

2. Let's confirm we are connected to the Azure OpenAI Service. On the right-hand side panel of the project playground, make sure the **mode** is set to **chat**, click on deployment, select the model from the dropdown **gpt-35-turbo16k**, and change the **past messages to include 10**.



3. Now, let's add our data. On the left-hand side of the playground, go to **Add your Data** and click on **Add your Data**.

#### 4. Click on Add Connection



- i) The **subscription ID** will be populated by default. Select the **storage account**, which will be in the format `aihubsampledocs<numericid>` and **blob container** as **docs**, and select the **Authentication method** as **Microsoft Entra-Based Id**. Enter the **connection name** appropriately, “**user-id + document**”. Ex: **“Indonesia01docs”**
- ii) Select the **data source** from the connections, select the **data** folder, and click **next**. You can also click on the “**data**” forlder to go inside it and view individual pdf files. You can select a subset the file or select the whole folder for the next step.

Add a connection to external assets

Service \*

Azure Blob Storage

Account selection method \*

Manually enter account information

Subscription ID \*

Tiger analytics-01 (57a36344-3906-4293-9991-5010c5255d5e)

Storage account \*

aihubsampledocs2401 (shared-resources)

Blob container \*

docs

Authentication method \*

Microsoft Entra ID based

Connection name \*

Indonesia01docs

Access

Project

Create connection Cancel

Add your data

① Source data  
② Index storage  
③ Search settings  
④ Index settings  
⑤ Review and finish

Select your data  
Select the data you want the generative AI to reference so it can ground its responses on your specific data.  
Your data will be ingested into an Index, which allows the Generative AI model to quickly and accurately find information for your specific use case.

Data source \* ① indonesia01docs  Selected path: Click for info

Name Created on

○	📁	data/	--
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Next Create Cancel

iii) Select the AzureAIsearch and click next.

Add your data

① Source data  
② Index storage   
③ Search settings  
④ Index settings  
⑤ Review and finish

Index storage  
Select where to store your new index

Index storage \*

Select Azure AI Search service \*

Back Next Create Cancel

10

- iv) Select the checkboxes to **Add Vector Search** and **acknowledgment** and select an embedding

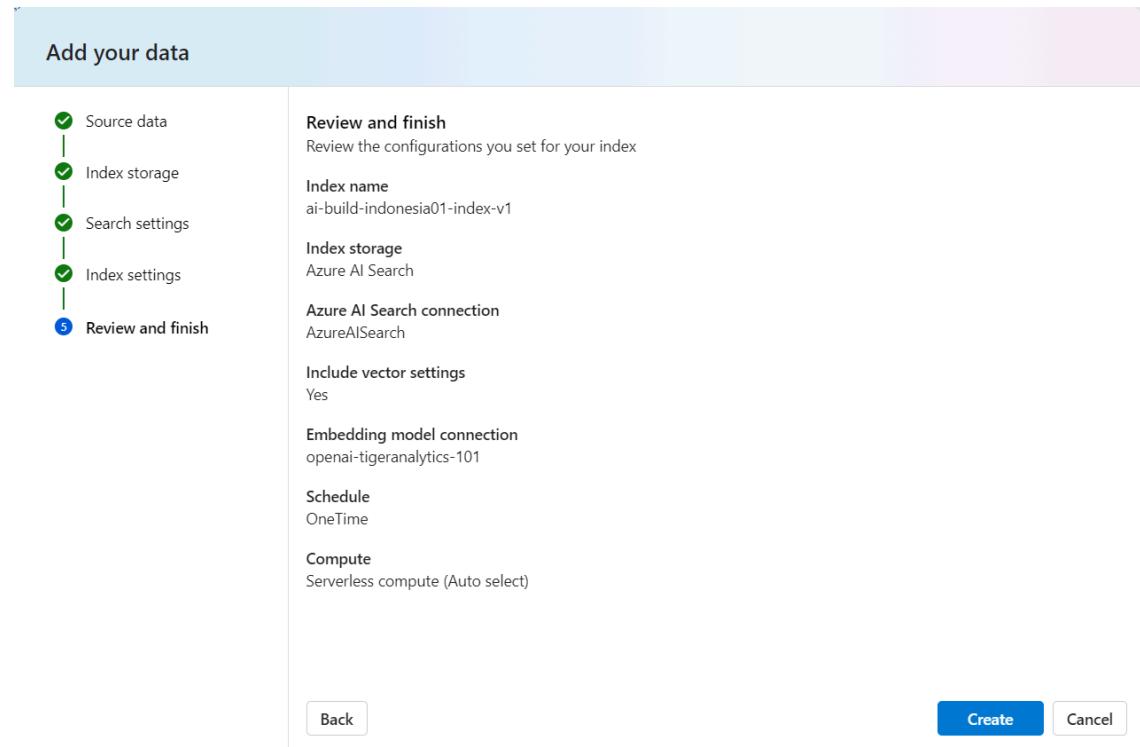
model from the dropdown, it should look like “**openai-tigeranalytics-<number>**”. Click **next**.

- v) In the **Index Settings**, use the index name as follows: “**ai-build-<userid>-index-<version>**. Example **ai-build-indonesia01-index-v8**.

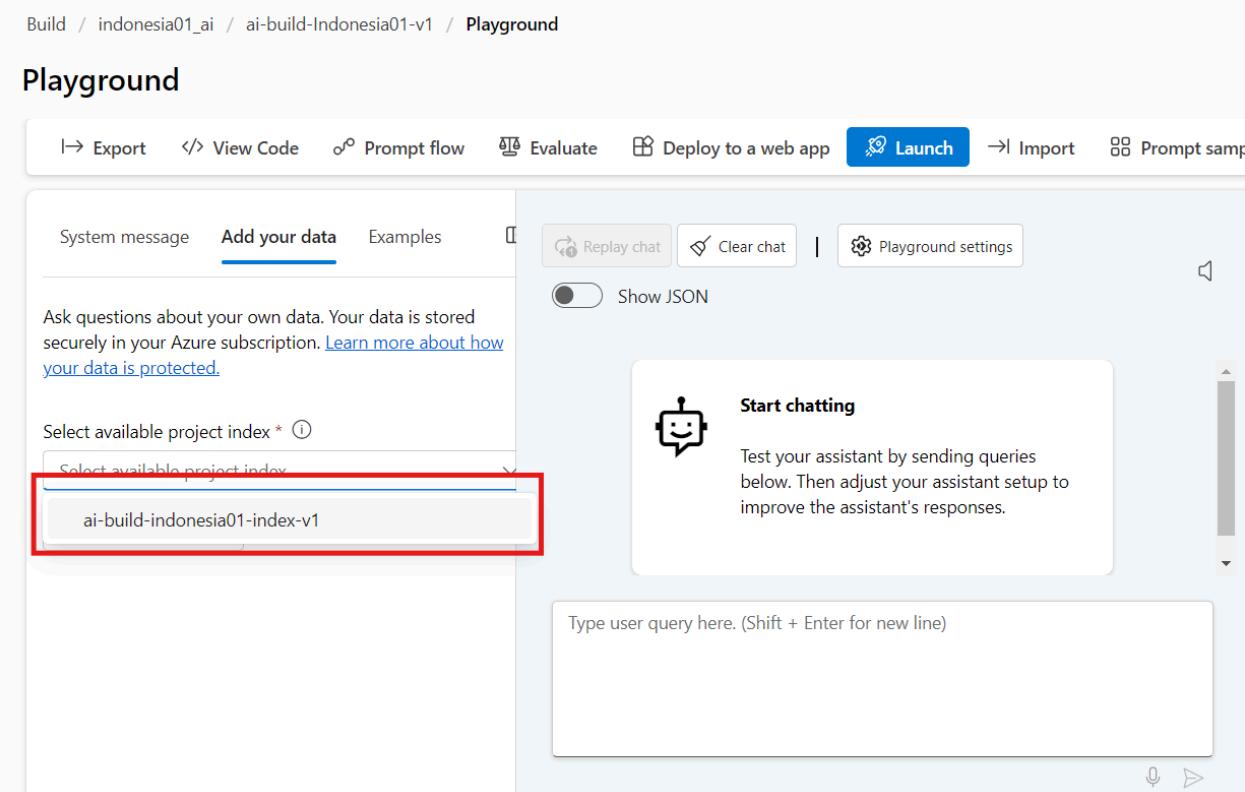
- vi) Review the steps, click **Create**, and wait a few minutes to finish.

**Note:** After returning to the playground, you can see the index creation progress in the “Add your data” tab. It can take **5-7 mins** to finish. You can explore other features on the playground during that time or take a small break. If it takes too long to load the indexed data, please try the following steps:

You can refresh the browser, Clear cookies, Close the browser, log in again, and navigate back to the project you created. If that does not work, contact one of our coordinators.

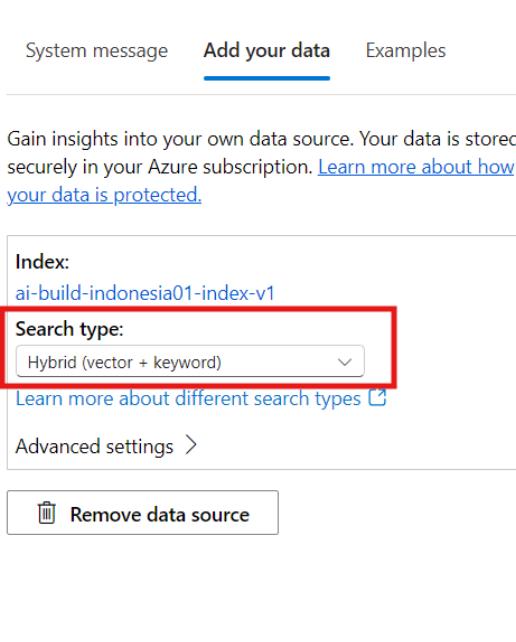


- vii) In the playground, select the **index** you have created, for example, **a-build-indonesia01-index-v8**,



The screenshot shows the Azure AI Playground interface. At the top, there are several navigation links: Build / indonesia01\_ai / ai-build-Indonesia01-v1 / Playground. Below the navigation is a toolbar with icons for Export, View Code, Prompt flow, Evaluate, Deploy to a web app, Launch (which is highlighted in blue), Import, and Prompt sample. The main area has tabs for System message, Add your data (which is selected and highlighted in blue), and Examples. Under the Add your data tab, there is a note about securely stored data and a link to learn more about data protection. Below this is a dropdown menu labeled "Select available project index \*". The dropdown list contains "Select available project index" and "ai-build-indonesia01-index-v1", with the latter being the selected item and highlighted with a red box. To the right of the dropdown is a "Start chatting" section with a bot icon and a text input field for user queries. There is also a "Playground settings" button and a "Show JSON" toggle.

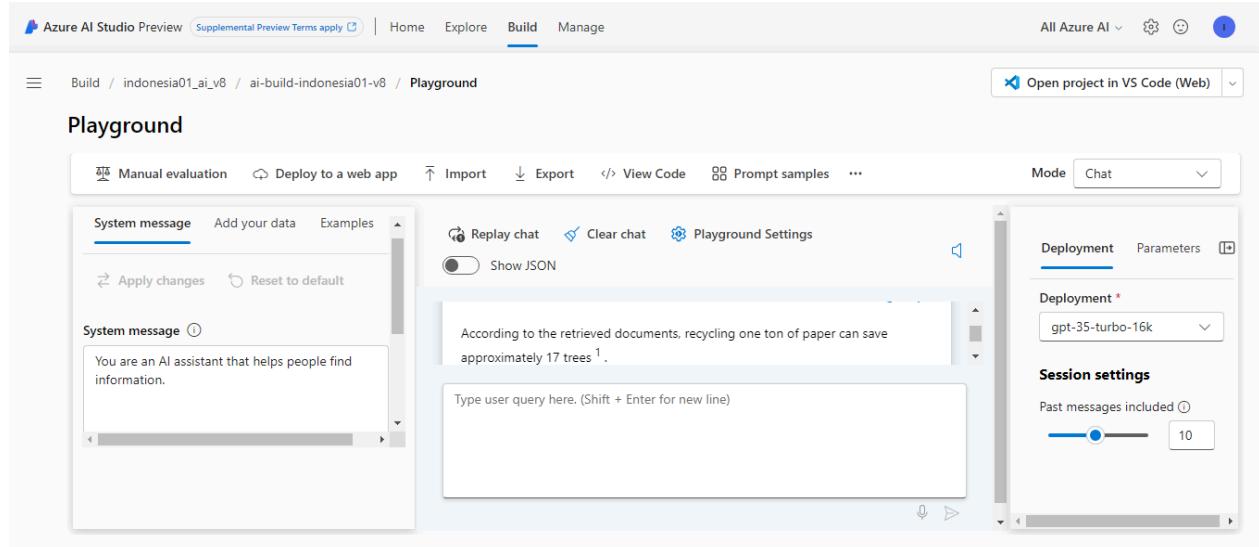
- viii) Under the **Search type** dropdown, select **Hybrid (vector + keyword)**



The screenshot shows the "Add your data" configuration page. At the top, there are tabs for System message, Add your data (selected and highlighted in blue), and Examples. Below the tabs is a note about insights from your data source and a link to learn more about data protection. The main configuration area starts with "Index:" followed by "ai-build-indonesia01-index-v1". Underneath is a "Search type:" dropdown menu, which is highlighted with a red box and set to "Hybrid (vector + keyword)". There is also a link to "Learn more about different search types" and a "Advanced settings" link. At the bottom is a "Remove data source" button.

## 4. Test the connection

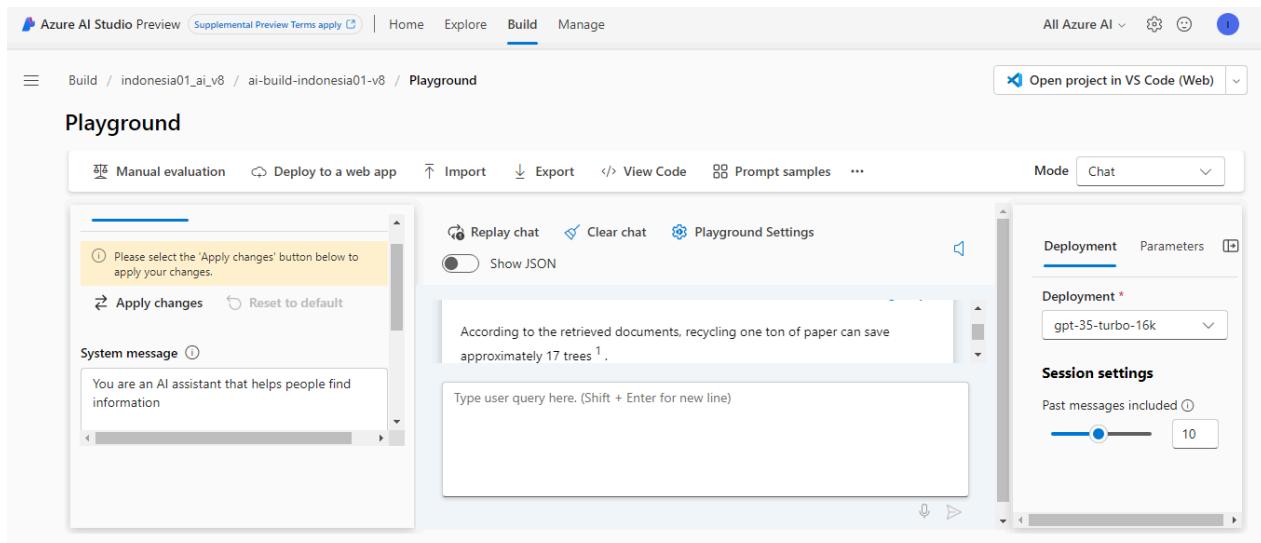
1. Ask a question in the playground chat box (Ex: "How many trees can be saved by recycling one ton of paper?")
2. If you get a system response, the connection is set, and we're good to go to the next step.



3. The system is now set up to respond to general user questions. We can add our data in the backend to unlock the power of Azure AI studio, which is the ability to generate responses from the sources provided by the user.

## 5. Prompt

1. Define the system prompt in the prompt box and click on **Apply changes** to reflect the changes in the system responses.



2. You can find the sample prompts in the **Prompt catalog** section in the **Explore** tab.

The screenshot shows the Azure AI Studio Preview interface. The top navigation bar includes 'Home', 'Explore' (which is underlined), 'Build', and 'Manage'. On the far right, there are icons for 'All Azure AI', a gear, a smiley face, and a blue circular button. The left sidebar has sections for 'Model catalog', 'Model benchmarks', and 'Prompt catalog' (which is selected). The main content area is titled 'Prompt catalog' and contains a heading 'Browse prompt samples for common use cases'. It features a search bar, a list of prompts like 'Travel Assistant' and 'Social Media Post Analysis', and filter options for 'Modalities' (Image, Video, Completion, Chat) and 'Industries' (Retail, Education). A small icon of a pen writing on a screen is in the top right corner.

## 6. Start asking questions

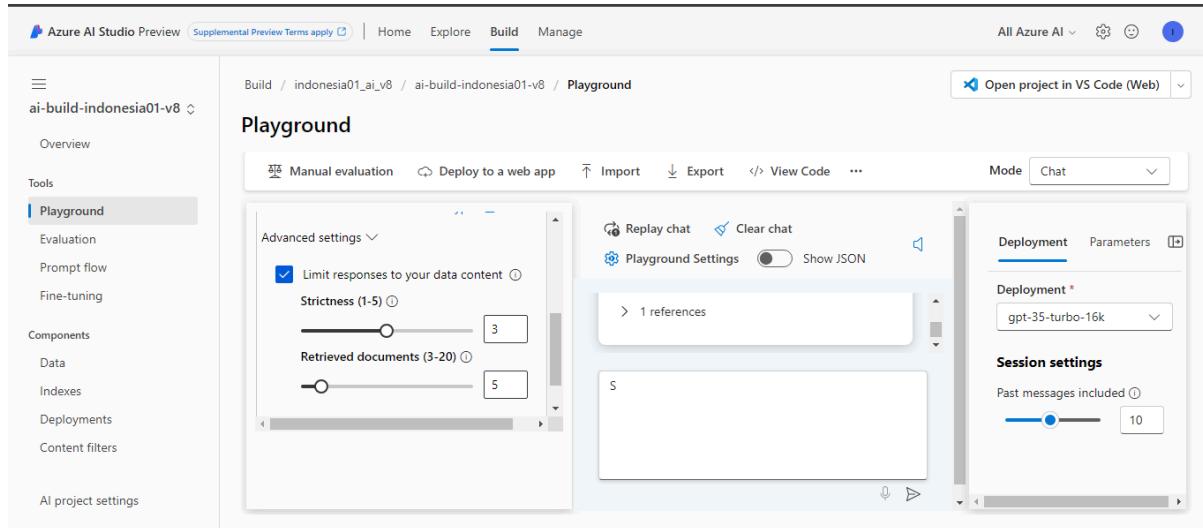
1. Check on the responses from the data and ask questions. Some sample questions on the data can be found [here](#) (Please clone the repository or download the zip and navigate to the sample QnA spreadsheet in the **Data** folder to view sample questions).
2. Please click the **Clear Chat** button in the chat box before asking an unrelated follow-up question.

The screenshot shows the Azure AI Studio Preview interface with the 'Build' tab selected. The left sidebar shows a project structure: 'ai-build-indonesia01-v8' with 'Overview', 'Tools' (selected), 'Playground' (selected), 'Evaluation', 'Prompt flow', 'Fine-tuning', 'Components' (Data, Indexes, Deployments, Content filters), and 'AI project settings'. The main content area is titled 'Playground' and shows a 'System message' input field containing 'You are an AI assistant that helps people find information.' There are buttons for 'Replay chat', 'Clear chat', 'Playground Settings', and 'Show JSON'. On the right, there are sections for 'Deployment' (set to 'gpt-35-turbo-16k') and 'Session settings' (Past messages included: 10). A 'Mode' dropdown is set to 'Chat'.

## 7. Tweak the parameters

1. Suppose you want the responses to come not only from the source data alone but also from the external knowledge of the Azure OpenAI models. In that case, you can click on **Advanced Settings** under **Add your data** tab and uncheck **Limit responses to your data content**.

2. **Strictness** helps you set the threshold for relevant documents, and **Retrieved documents** help you set the number of chunks/documents that will be retrieved to answer the questions.



3. Please check this guide on [how to generate text with Azure OpenAI Service - Azure OpenAI | Microsoft Learn](#)
4. Tweak the model parameters from the **Parameters** tab. You can find the definition of the parameters [here](#).
5. Make changes to the prompts to change the response to how you like (for example, we can add to give the response in bullet points or a happy tone). Remember to click on **Apply Changes** after changing the prompt. You can click the **Replay chat** button to get responses to the existing questions in the updated prompt.
6. Define variables by using the **Add variable** section for easy prompt changes. For example, tone can be set as a variable in the prompt whose value can be changed easily across different runs. Example `{{format}}`

Azure AI Studio Preview - Build / indonesia01\_ai\_v8 / ai-build-indonesia01-v8 / Playground

Playground

System message: You are an AI assistant that helps people find information.

give the information in {{format}}

Replay chat, Clear chat, Playground Settings, Show JSON

Deployment Parameters

- Max response: 800
- Temperature: 0
- Top P: 1
- Stop sequence: Stop sequences
- Frequency penalty: 0

Azure AI Studio Preview - Build / indonesia01\_ai\_v8 / ai-build-indonesia01-v8 / Playground

Playground

Variables

[(x)] Add variable: {{format}}

bullet points

Replay chat, Clear chat, Playground Settings, Show JSON

Deployment Parameters

- Max response: 800
- Temperature: 0
- Top P: 1
- Stop sequence: Stop sequences
- Frequency penalty: 0

7. You can also **import** and **export** the chat settings (prompts, examples, parameters) to a JSON. This feature helps share your workspace settings while working as a team.

Azure AI Studio Preview - Build / indonesia01\_ai\_v8 / ai-build-indonesia01-v8 / Playground

Load Chat Assistant setup

Select a chat setup file that was previously exported or shared.

System message

Few-shot examples

Parameters

Drag and drop or Browse for a file .json (<100MB, UTF-8 BOM text file)

Load file, Cancel

8. You can also click on View Code to get executable code in the programming language of your choice with the Azure OpenAI, data, and index connections already set.

```

Sample Code
You can use the following code to start integrating your current prompt and settings into your application

https://openai-tigeranalytics-01.openai.azure.com/ python

1 import openai, os, requests
2
3 openai.api_type = "azure"
4 # Azure OpenAI on your own data is only supported by the 2023-08-01-preview version
5 openai.api_version = "2023-08-01-preview"
6
7 # Azure OpenAI setup
8 openai.api_base = "https://openai-tigeranalytics-01.openai.azure.com"
9 openai.api_key = os.getenv("OPENAI_API_KEY") # Add your OpenAI API key here
10 deployment_id = "gpt-35-turbo-16k" # Add your deployment ID here
11 response = openai.Completion.create(
    model=deployment_id,
    prompt="What is the capital of France?",
    temperature=0,
    max_tokens=150,
    top_p=1,
    stop=None
)
print(response.choices[0].text)

You should use environment variables or a secret management tool like Azure Key Vault to prevent accidental exposure of your key in applications.

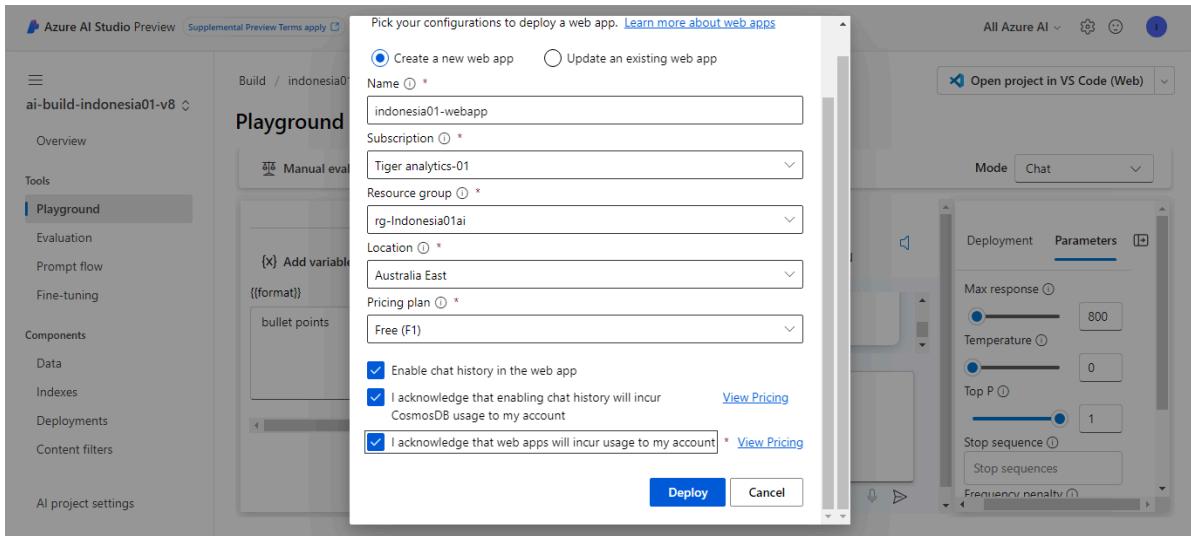
Learn more
Copy Close

```

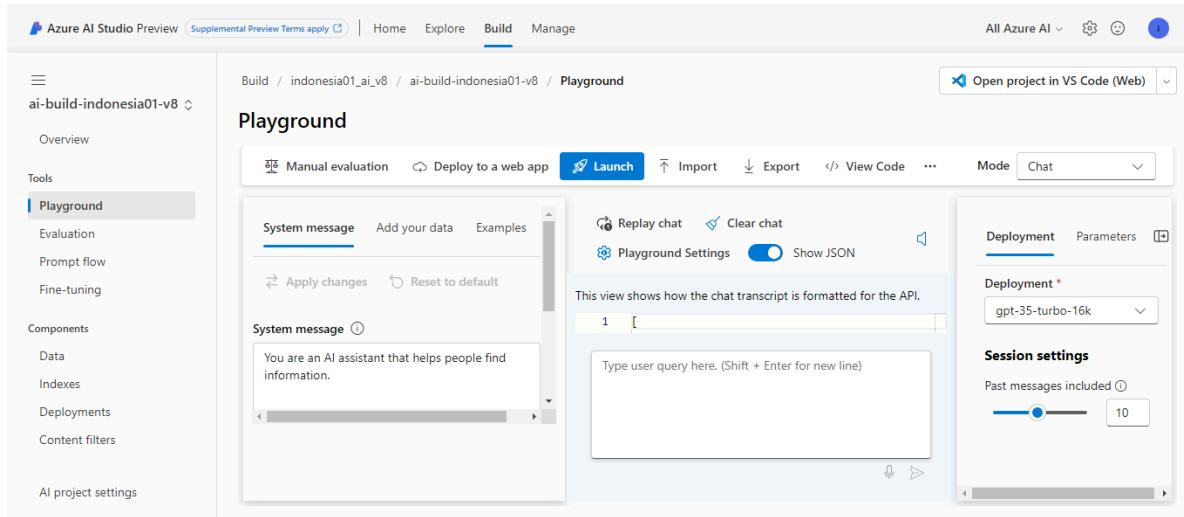
## 7. Deploy the model as a web application

- i) Click on “Deploy as a Web App.”
- ii) Enter a name for the web app in the format “**user-id-web app**.” Example “**Indonesia01-web-app**”
- iii) Select the subscription that gets populated by default, for example, “**Tiger analytics-01**”, resource group as the one you have created during the creation of the AI hub. generally, it will be of the format “rg-<userid>ai.” For example, “**rg-Indonesia01ai**” and its location are “**Australia East**.”
- iv) Select the “**Basic B1**” pricing plan.
- v) Check all the boxes, including the acknowledgment related to pricing
- vi) Click the **deploy** and wait for a few minutes (this might take ~10 minutes) till the deployment is complete
- vii) If you get a message saying Deployment failed, please reload the page and try again

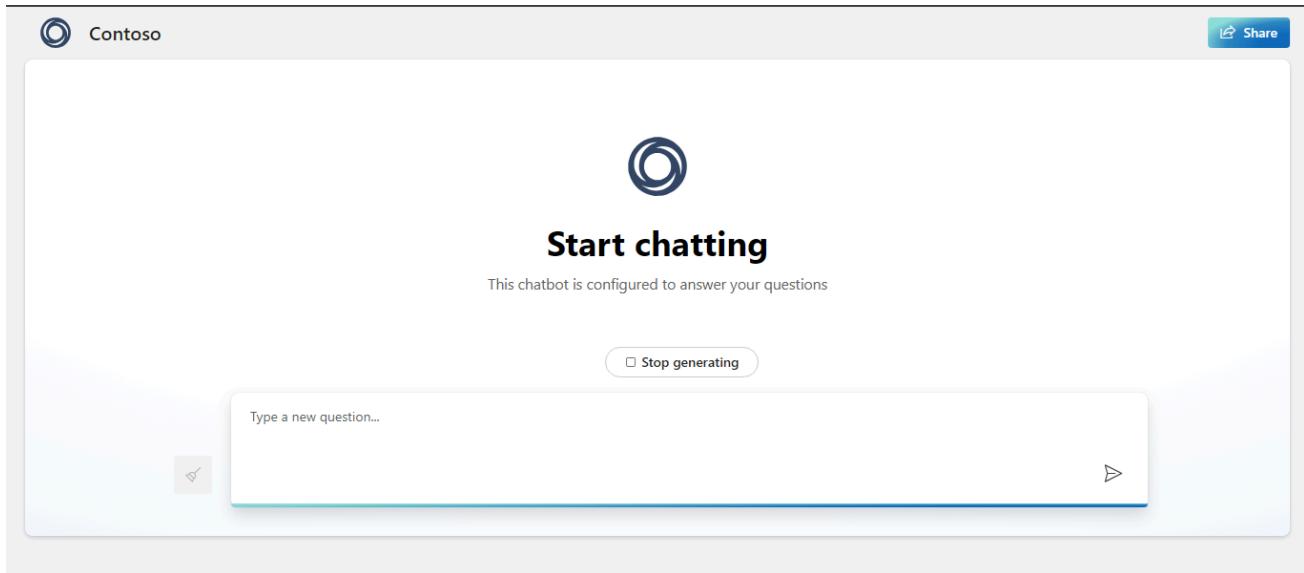
viii) Note: deploy the app first and then do the prompt engineering



- ix) Deployment can take up to 10 mins. When it's done, the launch button will become enabled. click on the “Launch” button



- x) Once you open the URL, you will be asked to “Accept” the invitation. Please do and proceed forward. If you see an error about the “Authentication,” please wait for a few minutes, and you will be able to see a sample web application, as shown in the screenshot below. You can start asking questions using the web application. People accessing your AI Studio project can also access the application via URL and ask questions. All the logs, user questions, and system responses are stored in a database.



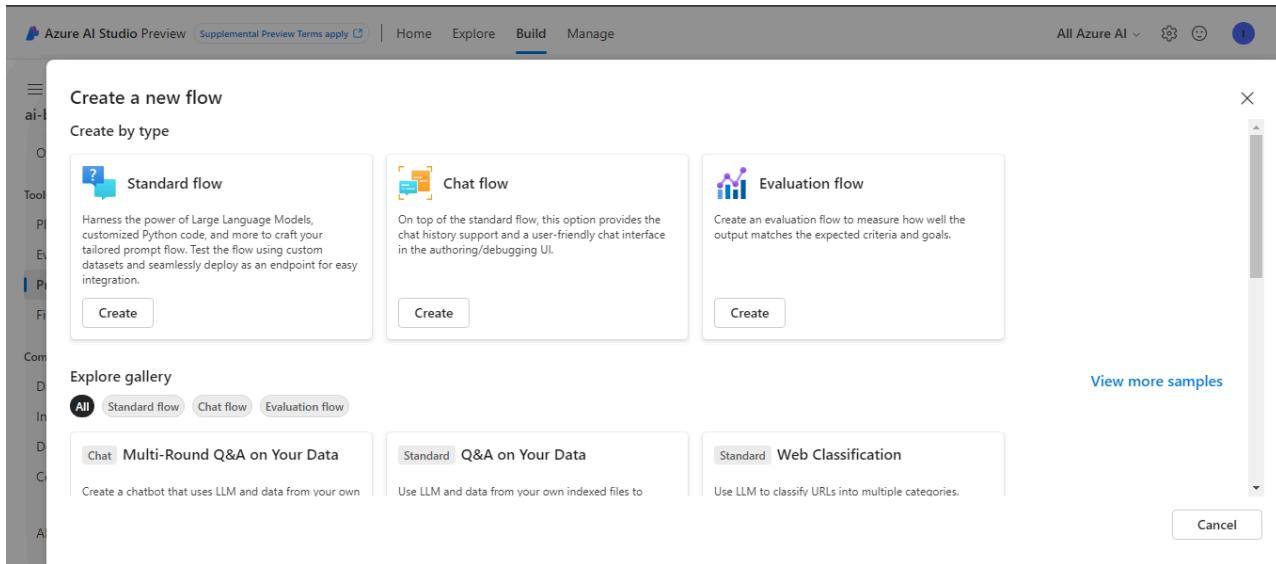
## 8. Additional Playground Features

- i) You can also view the entire project in the VSCode web IDE and get responses in the terminal by clicking the "**Open project in VS code(Web)**" button in the **upper right-hand corner** of the playground.
- ii) You can look at the JSON of the chat transcript. This is formatted for the API calls.

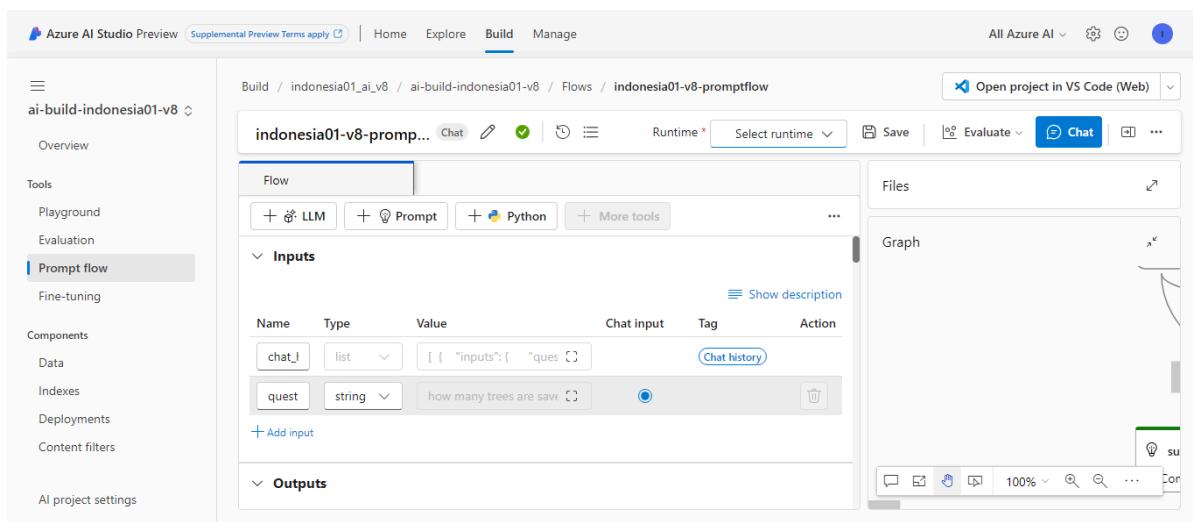
A screenshot of the Azure AI Studio playground interface in Chat mode. The left sidebar shows a tree view with "ai-build-indonesia01-v8" selected. The main area is titled "Playground" and has a status message: "Deploying web app: Stay on this page while deployment completes. It should take a few minutes." Below this are buttons for "Manual evaluation", "Deploy to a web app", "Launch", "Import", "Export", "View Code", and "Mode" set to "Chat". On the left, under "Tools", "Playground" is selected. In the center, there's a "System message" section with a "Replay chat" button, a "Clear chat" button, and a "Playground Settings" section with a "Show JSON" toggle. On the right, there are sections for "Deployment" (set to "gpt-35-turbo-16k") and "Session settings" (with a slider for "Past messages included" set to 10). A text input field at the bottom is labeled "Type user query here. (Shift + Enter for new line)".

## 9. Prompt flow

- i) Go to prompt flow and click "**create**" to create a new prompt flow. You will find specific types of flows to be made and some of the "**Example Flows**," which you can clone and explore for further understanding.



- ii) In the prompt flow, you can see the “**graph**,” which gives you a bird's-eye view of the whole flow, and the “**Files**,” which lets you download the prompt flow files to share your work.



- iii) You will also see the different tools available as part of the prompt flow, such as “**LLM**,” “**Prompt**,” and “**Python**” nodes, which will help you in development. To run the flow and chat with the application, select the “**Automatic Runtime**” and start it, then click on the **chat** button to start conversing with the application.

The screenshot shows the Azure AI Studio Preview interface. The left sidebar has a tree view with 'ai-build-indonesia01-v8' expanded, showing 'Overview', 'Tools' (selected), 'Playground', 'Evaluation', 'Prompt flow' (selected), 'Fine-tuning', 'Components', 'Data', 'Indexes', 'Deployments', 'Content filters', and 'AI project settings'. The main workspace title is 'indonesia01-v8-promptflow'. It contains a 'Flow' tab with buttons for '+ LLM', '+ Prompt', '+ Python', and '+ More tools'. Below is a 'Inputs' section with a table:

Name	Type	Value	Chat input	Tag	Action
chat_1	list	[{"inputs": {"ques":}}			<a href="#">Chat history</a>
quest	string	how many trees are savi			<a href="#">Delete</a>

Below is an 'Outputs' section with a table:

Name	Value	Chat output	Action

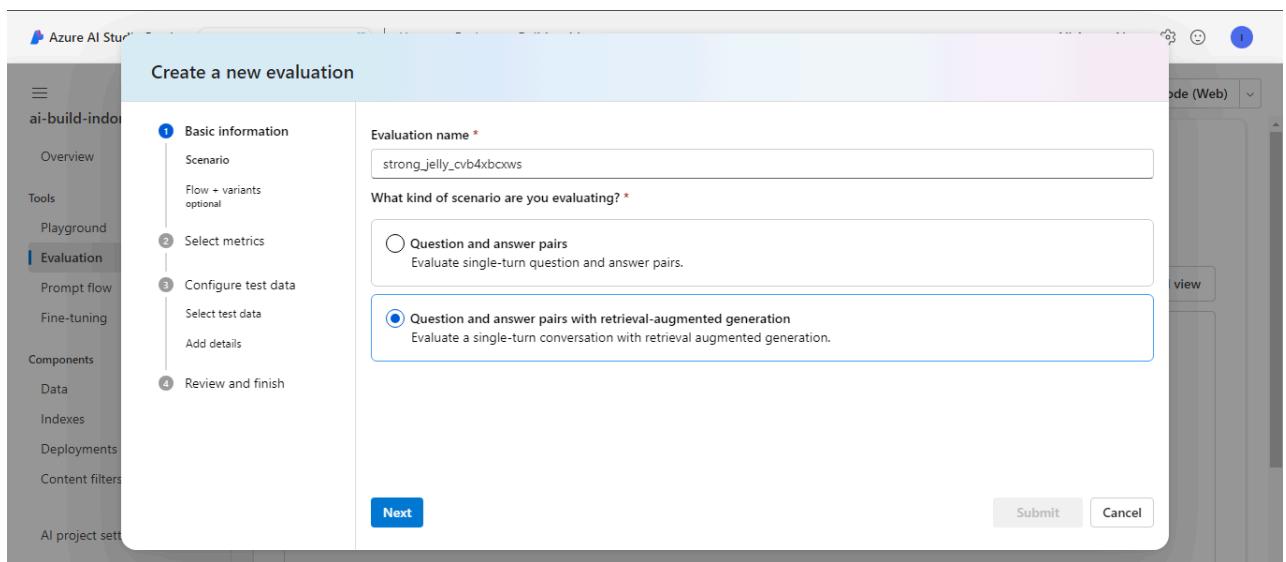
The right side shows a 'Files' sidebar with files like 'Users/Indonesia01/promptflow/indon...', '\_pycache\_\_', 'chat.jinja2', 'summarizer.jinja2', 'flow.dag.yaml', 'flow.meta.yaml', and 'requirements.txt'. A bottom toolbar includes icons for message, file, refresh, cancel, delete, compare, and switch to dashboard view.

## 10. Evaluation

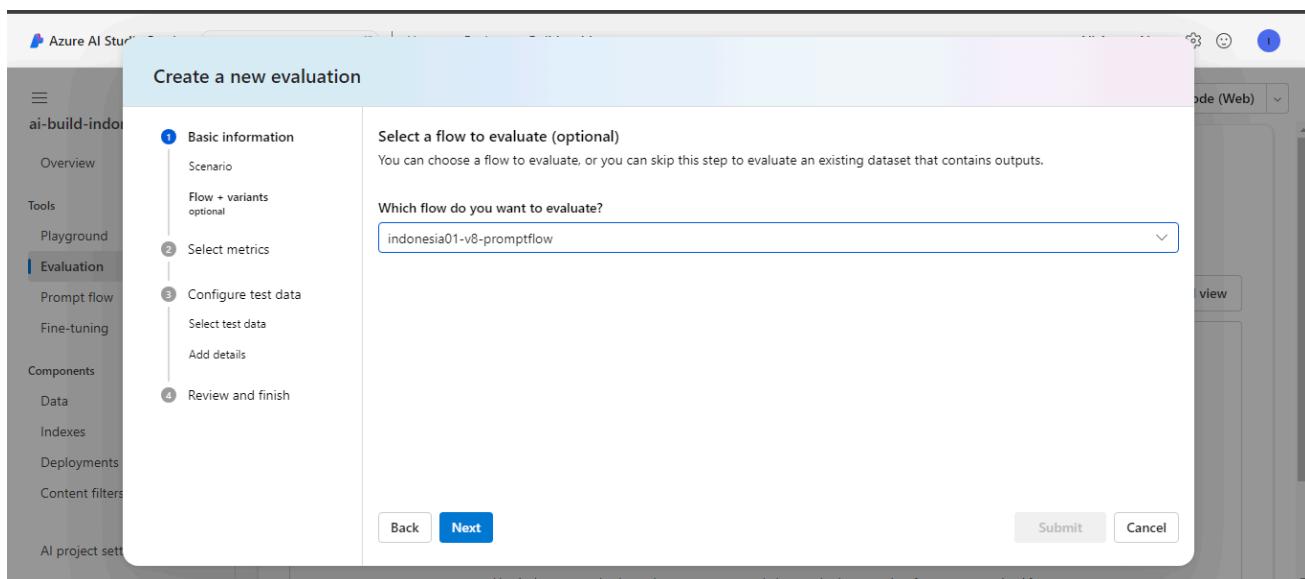
- To create a new evaluation flow, go to the playground's evaluation section and click the **new evaluation** button.

The screenshot shows the Azure AI Studio Preview interface. The left sidebar has a tree view with 'indonesia01\_v8' expanded, showing 'Overview', 'Tools' (selected), 'Playground', 'Evaluation' (selected), 'Prompt flow', 'Fine-tuning', 'Components', 'Data', 'Indexes', 'Deployments', 'Content filters', and 'AI project settings'. The main workspace title is 'Evaluation'. It contains tabs for 'Metric evaluations' (selected) and 'Manual evaluations'. Below is a message: 'Evaluate your model performance with industry standard metrics to compare and choose the best version based on your need. [Learn more about metrics](#)'. A 'New evaluation' button is at the top right of the workspace. The central area has a large blue folder icon with a plus sign, and text below it says 'Evaluate what's important for your scenario' and 'Use industry standard metrics to compare and choose the best version for your scenario. After'.

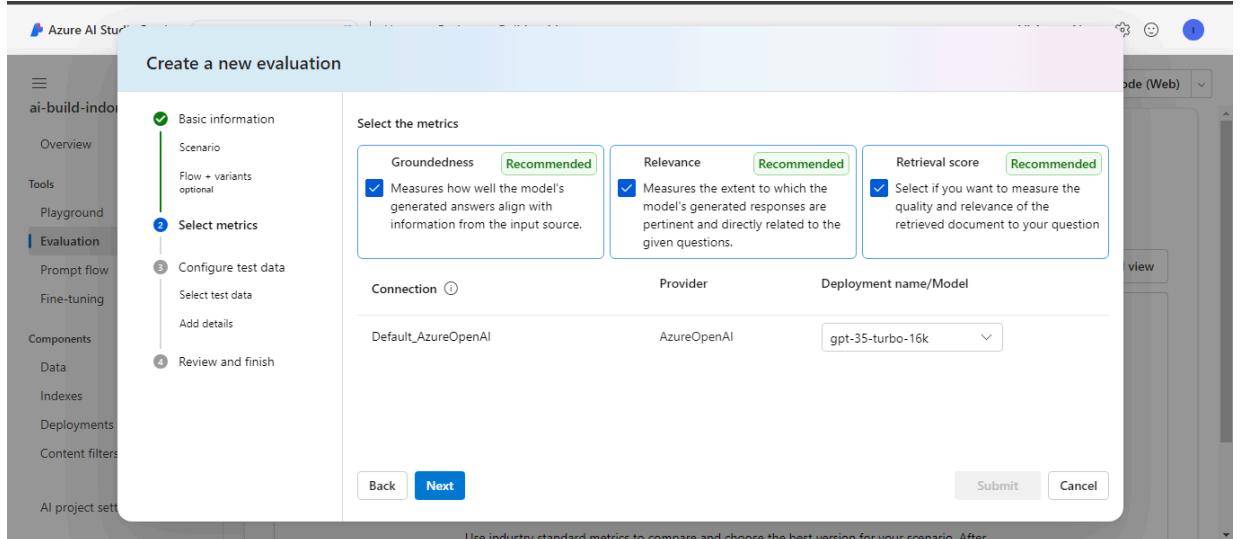
- ii) Select the appropriate scenario to evaluate. Here, we will determine the second scenario:  
**Question and answers with retrieval augment generation.** Then click **Next**



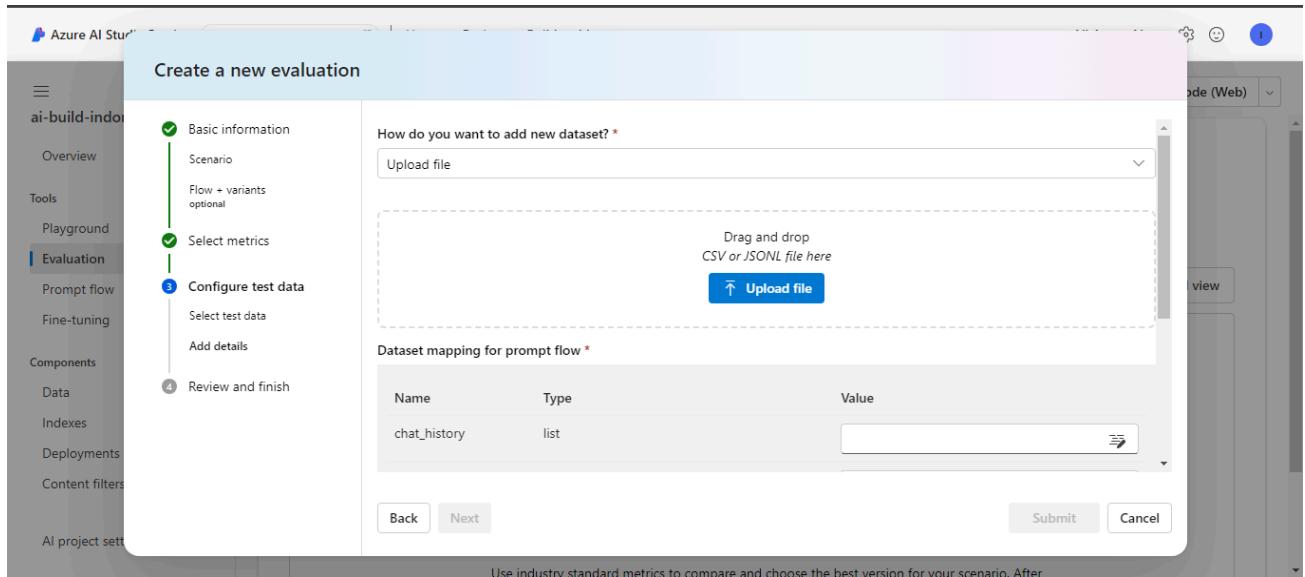
- iii) Select the flow you want to evaluate from the dropdown and click **Next**.



- iv) Select the metrics you want to use for the evaluation based on the definition and click next.



- v) You can add a new **dataset** or choose an **existing dataset**. Then click next. You can add **CSV** or **JSON** files. Regardless of existing or new data, you need to map the input fields in your data with the variables in the prompt flow. Once done, click next, review, and finish the flow.



- vi) You can also run **manual evaluations** from the evaluation flow

The screenshot shows the Azure AI Studio Preview interface. The left sidebar has sections like Overview, Tools, Components, and AI project settings, with 'Evaluation' currently selected. The main area is titled 'Assess and compare AI application performance' and shows tabs for 'Metric evaluations' and 'Manual evaluations'. A callout box points to the '+ New manual evaluation' button, which is highlighted in blue and says 'Create a new manual evaluation with a test dataset to see the performance of your model.'

- vii) Click on the **new manual evaluation**, and you can import the data and set the prompt to populate the outputs and do the manual evaluation using **Thumbs up/down**

The screenshot shows the 'Manual evaluation result' page. On the right, there are dropdowns for 'Model' (set to 'gpt-35-turbo-16k') and sliders for 'Max response' (set to 800) and 'Temperature' (set to 0.7). Below this is a table with columns 'Input', 'Expected response', and 'Output'. The 'Input' and 'Expected response' fields are empty, while the 'Output' field contains the placeholder 'Run to see the model response'. At the top of this section are buttons for 'Run', 'Import test data', 'Export', 'Metric evaluation', 'Save results', and 'Columns'.

- viii) Navigate to prompt flow, click **create**, and scroll down to the **Explore Gallery** section to find examples of flows pre-build on some everyday use cases. You can **clone** and use

them to understand or build on it.

The screenshot shows the Azure AI Studio Preview interface with the 'Build' tab selected. A sidebar on the left lists various AI components like AI Model, AI Data, AI Function, AI Function App, AI Container, AI Pipeline, AI API, and AI Flow. The main area is titled 'Create a new flow' and contains a 'Explore gallery' section. It displays six sample flows arranged in two rows of three:

- Chat: Multi-Round Q&A on Your Data** (Standard flow): Create a chatbot that uses LLM and data from your own indexed files to ground multi-round question and answering capabilities in enterprise chat scenarios.
- Standard: Q&A on Your Data**: Use LLM and data from your own indexed files to ground multi-round question and answering capabilities.
- Standard: Web Classification**: Use LLM to classify URLs into multiple categories.
- Chat: Chat with Wikipedia**: Create a chatbot that leverages Wikipedia data to ground the responses.
- Chat: Use GPT Function Calling**: Learn how to use GPT function calling to extend the capabilities of GPT models with external data sources.
- Evaluation: Classification Accuracy Evalu...**: Measuring the performance of a classification system by comparing its outputs to groundtruth.

Each sample card includes 'View detail' and 'Clone' buttons. On the right side of the gallery, there is a vertical scroll bar and a 'View more samples' link at the top. A 'Cancel' button is located at the bottom right of the dialog.

**Note:** The Azure service accesses used in this event are only valid during the event. Please contact your respective Microsoft account teams to follow up on continued access or if you have further questions.