Deploy & Monitor LLM apps with Azure Al Studio

Azure AI Studio supports deploying large language models (LLMs), flows, and web apps. Deploying an LLM or flow makes it available for use in a website, an application, or other production environments. This typically involves hosting the model on a server or in the cloud, and creating an API or other interface for users to interact with the model.

You often hear this interaction with a model referred to as "inferencing". Inferencing is the process of applying new input data to a model to generate outputs. Inferencing can be used in various applications. For example, a chat completion model can be used to autocomplete words or phrases that a person is typing in real-time. A chat model can be used to generate a response to "can you create an itinerary for a single day visit in Seattle?".

Introduction

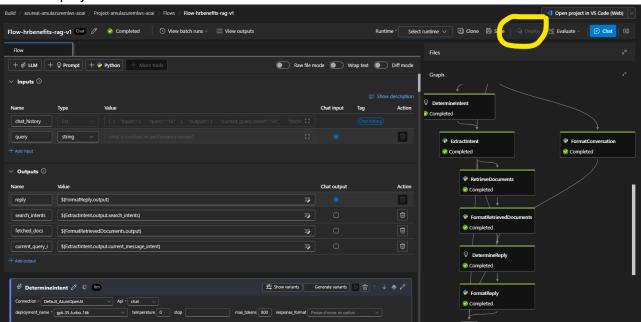
After you build a prompt flow and test it properly, you might want to deploy it as an online endpoint. Deployments are hosted within an endpoint, and can receive data from clients and send responses back in real-time. You can invoke the endpoint for real-time inference for chat, copilot, or another generative AI application. Prompt flow supports endpoint deployment from a flow, or from a bulk test run.

Follow steps below to deploy a flow for real-time inference. Source: <u>Deploy a flow as a managed online endpoint</u> <u>for real-time inference - Azure AI Studio | Microsoft Learn</u>

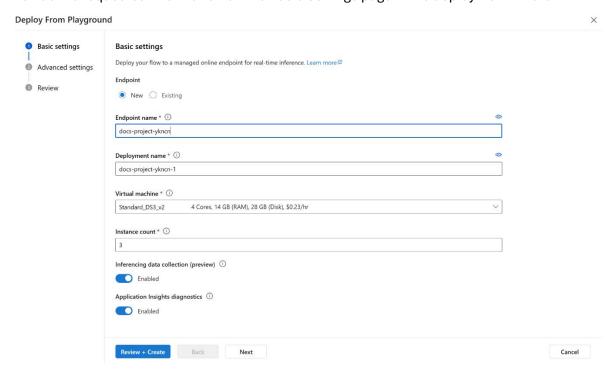
- Test your flow and get it ready for deployment.
- Create an online deployment.
- Grant permissions to the endpoint.
- Test the endpoint.
- Consume the endpoint.

Create an online deployment

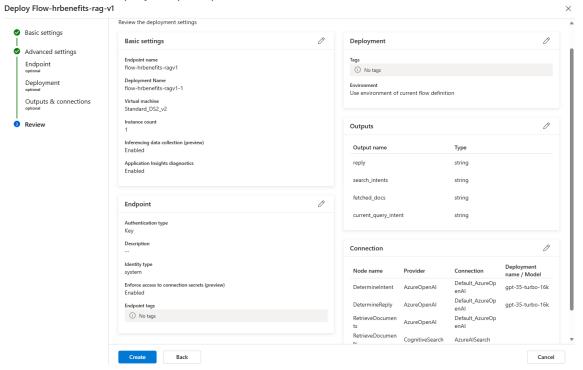
- 1. Have a prompt flow ready for deployment. We will use the RAG flow created in previous labs.
- 2. Select Deploy on the flow editor.



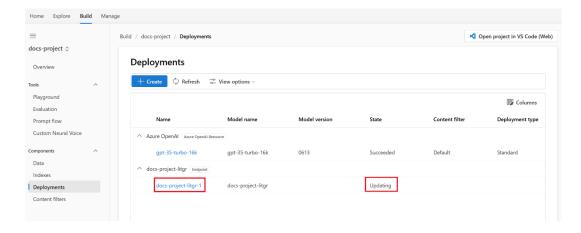
3. Provide the requested information on the Basic Settings page in the deployment wizard.



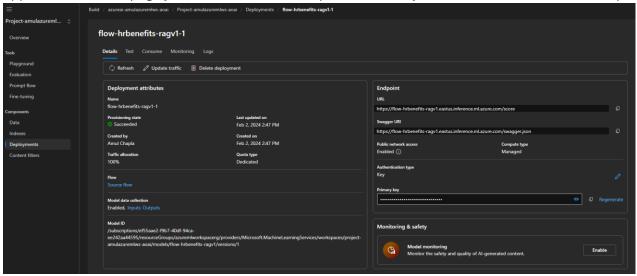
- 4. Select Review + Create to review the settings and create the deployment. Otherwise you can select Next to proceed to the advanced settings pages.
- 5. Select Create to deploy the prompt flow.



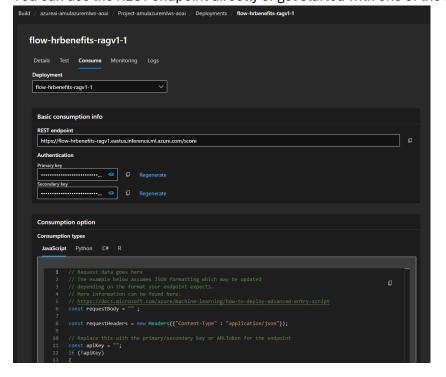
6. To view the status of your deployment, select Deployments from the left navigation. Once the deployment is created successfully, you can select the deployment to view the details.



7. Select the Consume tab to see code samples that can be used to consume the deployed model in your application. On this page you can also see the endpoint URL that you can use to consume the endpoint.



8. You can use the REST endpoint directly or get started with one of the samples shown here.



9. Plug-in API key and consume the LLM app REST API.

