Welcome to the first part of Azure OpenAI: From Learning to Applied Skills. This part will help you to explore more about **Azure OpenAI Service** and **Azure OpenAI Studio**.

This **Content Page** helps you to provide ***hands-on experience*** for **Applied Skills - MS Learn (Develop Generative AI Solutions with Azure OpenAI Service)**. You can do this post you have completed the ML Session.

Post going through this specific material, you'll be able to:

1. Understand the types of Azure OpenAI base models.
2. Use the Azure OpenAI Studio, console to deploy a base model and then experiment with it in the Azure Open AI Studio's playgrounds.
3. Generate completions to prompts and start experimenting by tweaking model parameters.

Disclaimer:

There are two approaches to go through the "**Applied Skills MS Learn : Develop Generative AI Solution with Azure OpenAI Service".**

1. Follow the MS Learn links directly and then navigate the learning material from there.

2. Utilize this Content Page in Olympus and experience a seamless learning experience.

But, what we recommend you do is - Use this content page in Olympus to navigate, as we have some additional information here to make your learning experience smoother and more interesting!

Steps to be covered:

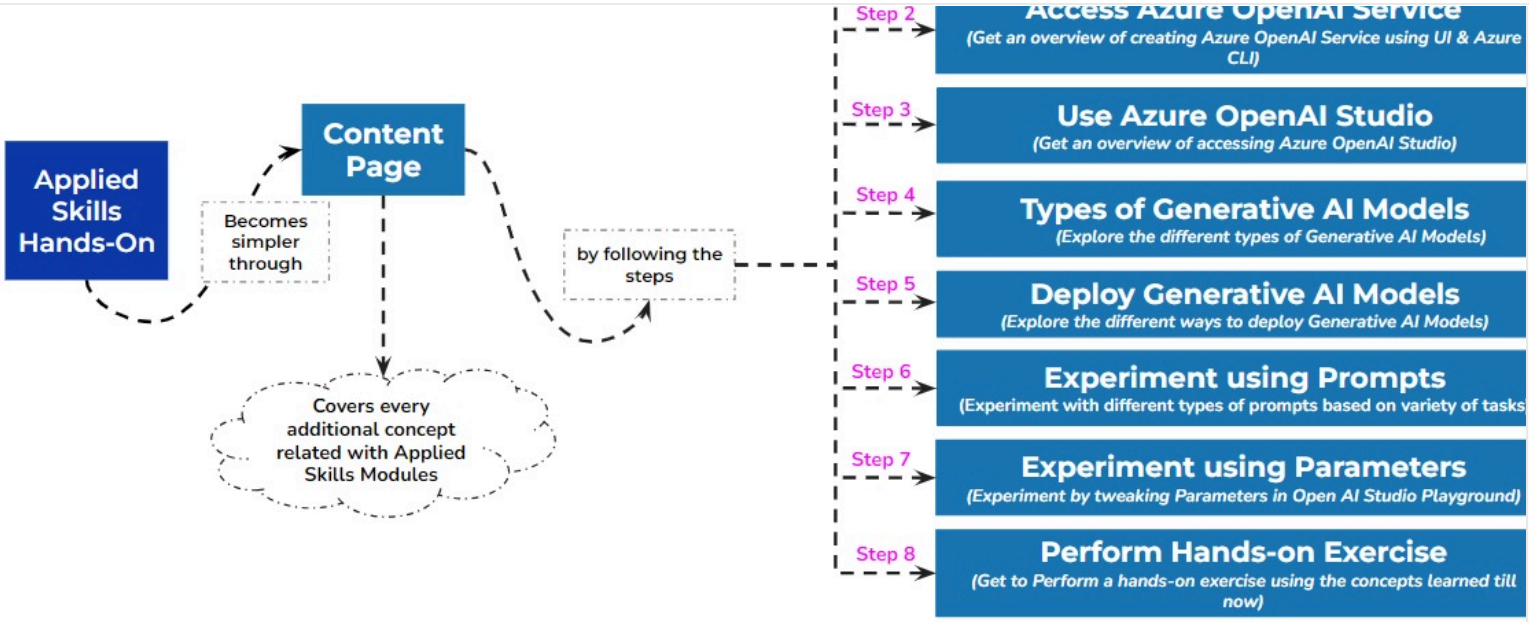

Fig 1

This visual guide **(Fig 1)** will give you a crystal clear picture of the Applied Skills you will learn through this content page.

Let's begin this journey Step by Step :

Simply follow the 8 steps, and you'll finish your learning journey easily. This Content Page is explicitly designed for you to guide you every step of the way!

Step 1:

We will first start by an overview of building AI Solutions with Azure OpenAI Service.

Navigate **here** to get started with **Step 1**.

Step 2:

Before we get started with **Step 2**, make sure that you follow the below **NOTE** and **GROUND RULES**.

NOTE: Skip the instructions to **"Provision an Azure OpenAI resource"** and **"Deploy a model"** as you hav already done that during the MLS.

Why do we want you to follow these ground rules?
This is because we have provided lab access with respect to the below ground rules *and if you deviate from following the below* ground rules*, you will not be able to perform hands-on within our labs.So please ensure that you follow the below* ground rules *for a seamless lab experience.*

C. Pricing tier: **Standard S0**.

Please refer to the screenshot **(Fig 2)** *attached below for* ground rules **A,B and C** *respectively.*

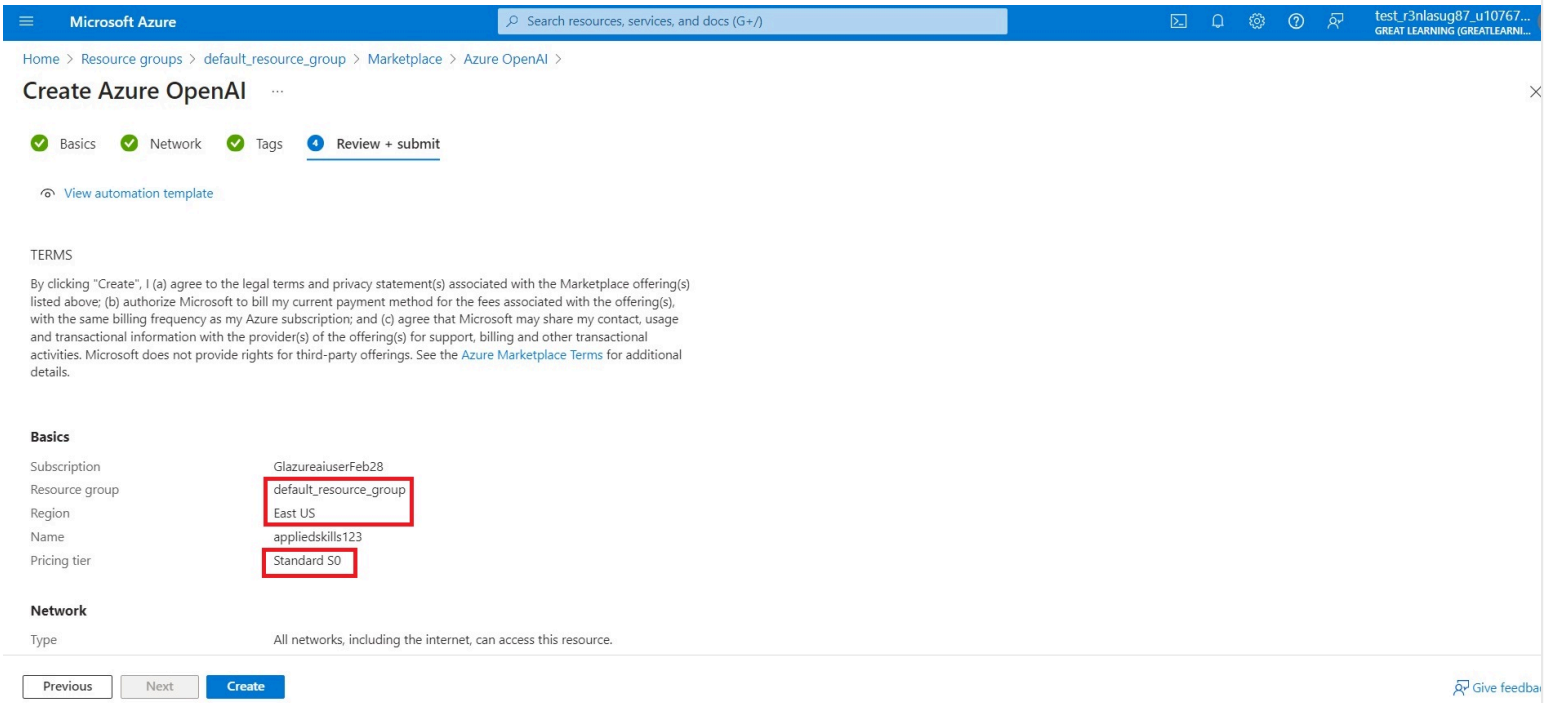

Fig 2

D. Operational Time : Allow **10 to 15 minutes** for the resource to become fully operational following its creation before incorporating it into Azure OpenAI Studio.
E. Resource Consistency : It is advised to create and **use a single resource** for all future tasks within th program. Creating multiple resources may lead to lab-related problems.

A. You will also encounter a .NET CLI code section once you navigate to Step 2.What is this?
This is an alternative way to create an Azure OpenAI service but instead of doing this from the UI, you write a command to do it.

Now, navigate **here** to explore **Step 2**.This step is basically to get an overview of creating Azure OpenAI Service using the **UI & Azure CLI**.

Step 3:

Next step is to open up the Azure OpenAI Studio. Open the Azure OpenAI Studio to start deploying and testing models.This section introduces Azure OpenAI Studio, a platform for managing, deploying, and experimenting with AI models.

Navigate **here** to explore **Step 3**.

Step 4:

them, and you can deploy them based on your needs and preferences. Each model has its own strengths, costs, and suitability for different tasks.

Important Disclaimer:

- Please ensure that you have only **1 ACTIVE DEPLOYMENT**. This is because the total token limit summed up across all the deployments is only **240k** and if you exceed this, you will **not** be able deploy any model.
- Remember that for your learning journey, GPT-35-Turbo model is sufficient enough. In our case, w will be using "**gpt-35-turbo-16k**" model among the other variants.

Navigate here to explore **Step 4**.

Step 5:

This section covers deploying generative AI models using Azure OpenAI Studio, Azure CLI, and REST AP

NOTE : You will encounter a section **"Deploy using the REST API"** once you navigate to **Step 5.** Please ignore this section as it is out of scope for this learning journey and not required.

Navigate here to explore **Step 5**.

Step 6:

This section covers how to use prompts to receive completions from deployed models. It categorizes prompts based on tasks like classifying content or generating new content, providing examples for each type etc. It also discusses factors affecting completion quality.
In the upcoming section, try all the different kinds of prompts using OpenAI Studio's Playground.

NOTE : As for making API calls, **ignore this for now**. This will be covered in detail in the upcoming sessions.

Navigate here to explore **Step 6**.

Step 7:

This section introduces the use of playgrounds in Azure OpenAI Studio for experimenting with parameters for the deployed models. It explains the Completions and Chat playgrounds, which provide interfaces to experiment with models without developing client applications.Both playgrounds offer various parameters to adjust model behavior and provide a convenient way to experiment with different settings and inputs.