Welcome to the second part of **Azure OpenAI: From Learning to Applied Skills.** This part will help you t
explore the **role** and **techniques** for **effective Prompt Engineering** in details.

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 role of prompt engineering in optimizing Azure OpenAI model's performance.
2. Explore the different ways to design and optimize prompts to improve the quality of the Azure OpenA
model's responses.

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:

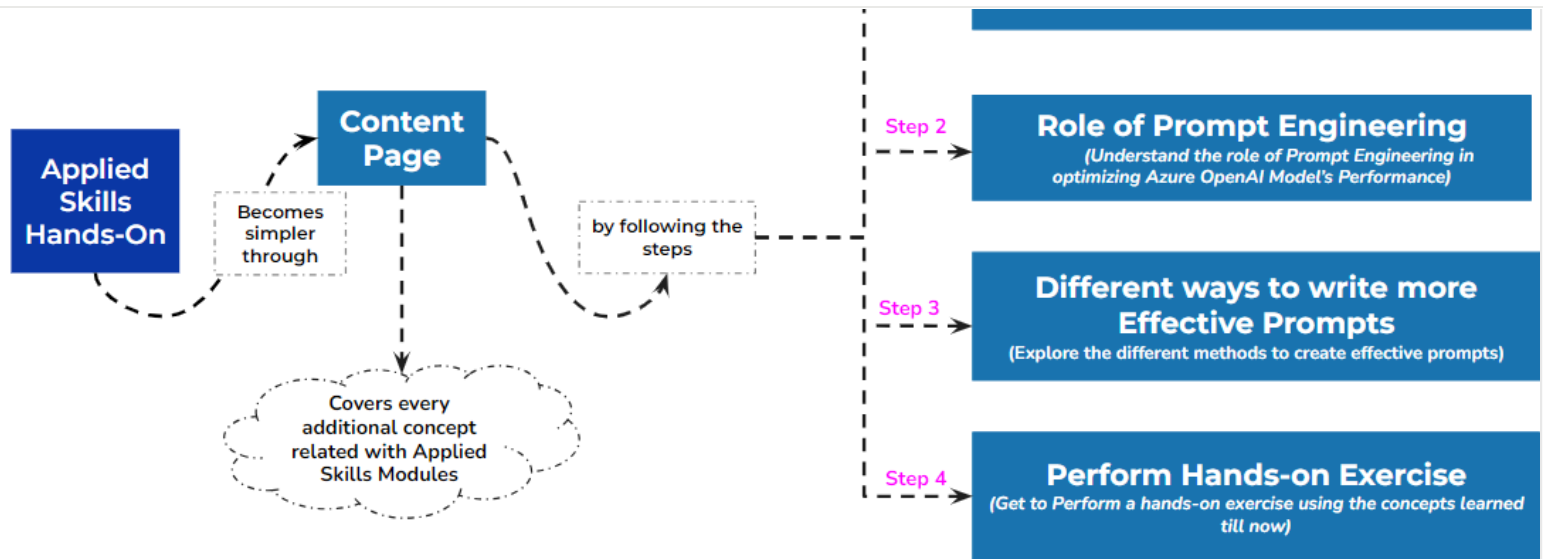←   →

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.

Simply follow the 4 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!

Before we get started with the **4 Steps**, 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 have 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.*

GROUND RULES : Please follow the below ground rules while creating the Azure OpenAI Service :

A. Utilize one resource group (**default_resource_group**) for all your tasks. Multiple resource groups should not be created.
B. Select Region = **East US**.
C. Pricing tier: **Standard S0**.

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

✅ Basics ✅ Network ✅ Tags ④ Review + submit

👁 View automation template

TERMS

By clicking "Create", I (a) agree to the legal terms and privacy statement(s) associated with the Marketplace offering(s) listed above; (b) authorize Microsoft to bill my current payment method for the fees associated with the offering(s), with the same billing frequency as my Azure subscription; and (c) agree that Microsoft may share my contact, usage and transactional information with the provider(s) of the offering(s) for support, billing and other transactional activities. Microsoft does not provide rights for third-party offerings. See the Azure Marketplace Terms for additional details.

Basics

Subscription	GlazureaiuserFeb28
Resource group	default_resource_group
Region	East US
Name	appliedskills123
Pricing tier	Standard S0

Network

Type	All networks, including the internet, can access this resource.

Previous | Next | **Create**

🗨 Give feedba

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.

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.

Let's begin this journey Step by Step :

Step 1:

We will first start by an overview of prompt and prompt engineering.

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

Step 2:

This section explains the concept and role of ***prompt engineering*** in using AI models in Azure OpenAI. I emphasizes the importance of crafting effective prompts to improve model performance.Overall, promp engineering is crucial for maximizing the effectiveness and fairness of AI models in generating

←   →

Step 3:

This section discusses techniques for writing more effective prompts to optimize the performance of Azure OpenAI models. It emphasizes that the quality of model responses depends largely on the prompt's construction.

Key techniques covered include:
i. Using section markers to organize the prompt structure.
ii. Incorporating primary, supporting, and grounding content to provide context and clarity.
iii. Adding cues to guide the model's understanding of the desired output composition etc.

Overall, employing these techniques can enhance the accuracy and relevance of model responses to natural language queries

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