

# 自然語言處理與應用

Natural Language Processing and Applications

#### **LLM API Tutorial**

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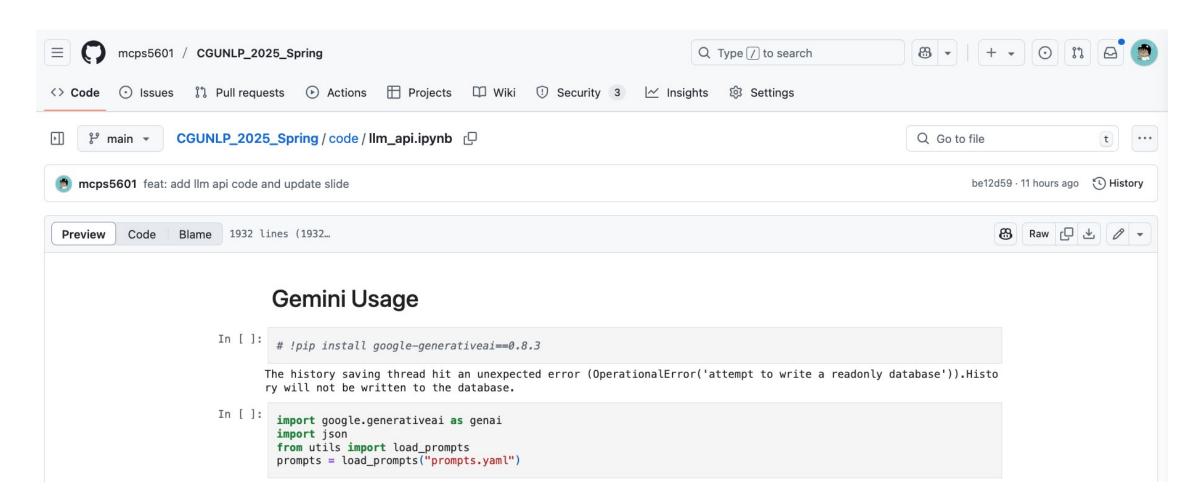
### Why do we need to use API?



- It's slow if you want to use ChatGPT for NLP tasks by manually copying and pasting from the webpage.
- If you use ChatGPT from the webpage to test data, "Too many requests in 1 hour. Try again later." may occur.



### Code Example





Blog

### Llama 4: Leading Multimodal Intelligence

Newest model suite offering unrivaled speed and efficiency

#### Llama 4 Behemoth

288B active parameter, 16 experts 2T total parameters

The most intelligent teacher model for distillation

Preview

#### Llama 4 Mayerick

17B active parameters, 128 experts 400B total parameters

Native multimodal with 1M context length



#### Llama 4 Scout

17B active parameters, 16 experts 109B total parameters

Industry leading 10M context length Optimized inference



# 註冊 Google Vertex

https://cloud.google.com/vertex-ai?hl=zh-TW





# 進到控制台

https://console.cloud.google.com

右邊導覽選單

Vertex AI

Model Garden



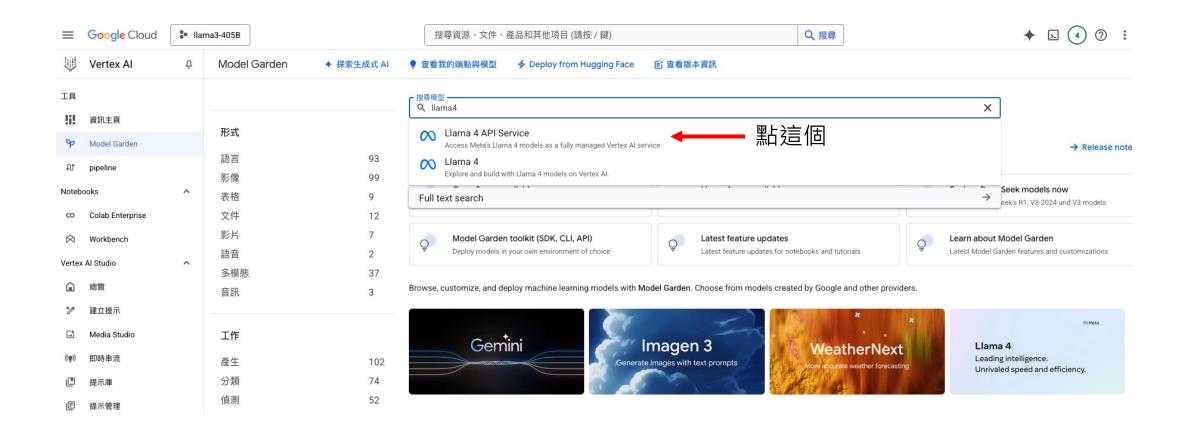
# 選取專案

ID 等等會用到



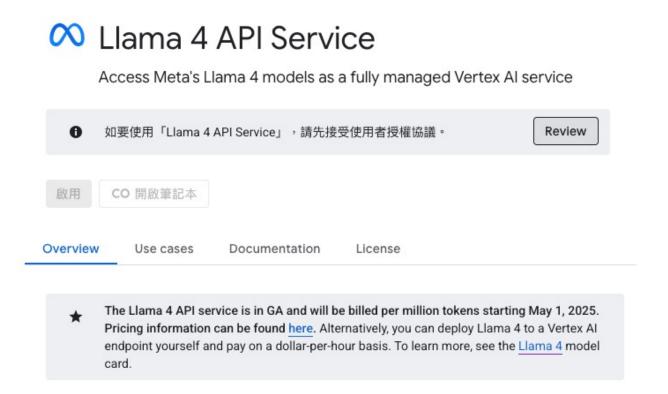


# 搜尋llama4



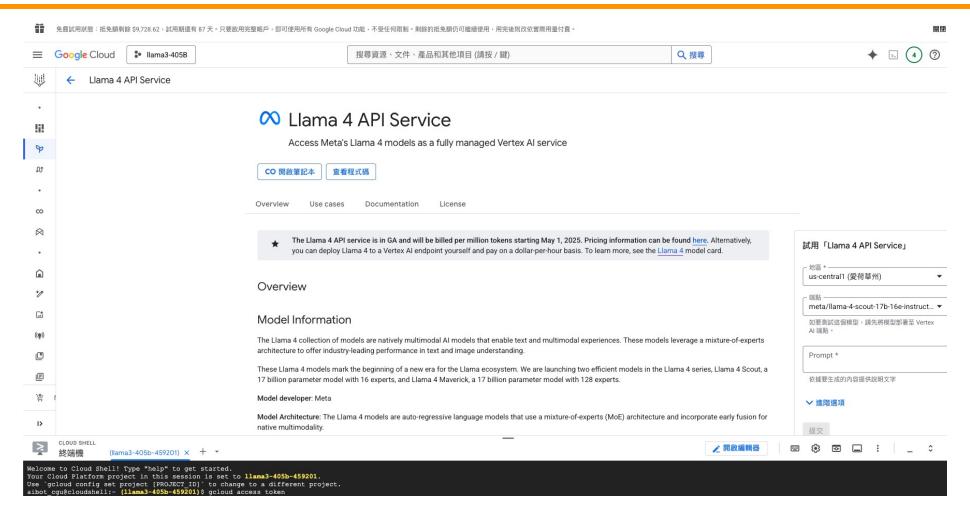


### 閱讀 EULA 後點啟用





# 打指令在終端機:gcloud access token





把 API Key 複製起來!

## Thank you!

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