

#### How to use Commercial LLMs

#### <u>Instructor</u>

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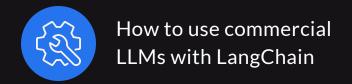
Google Developer Expert - ML & Cloud Champion Innovator

**Published Author** 



### **Key Focus**







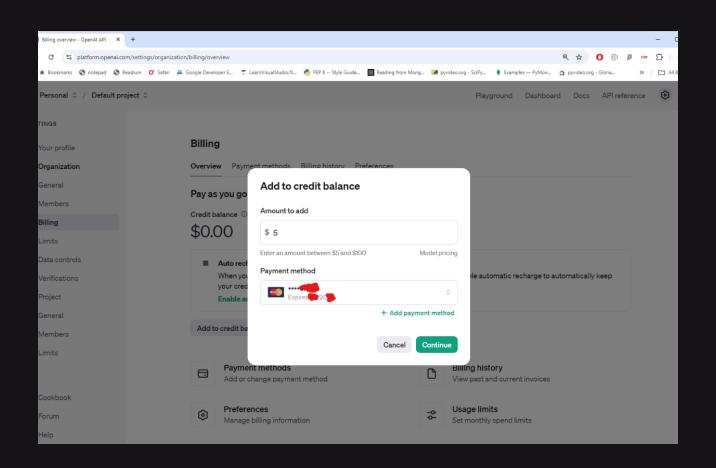
### LLM APIs Covered







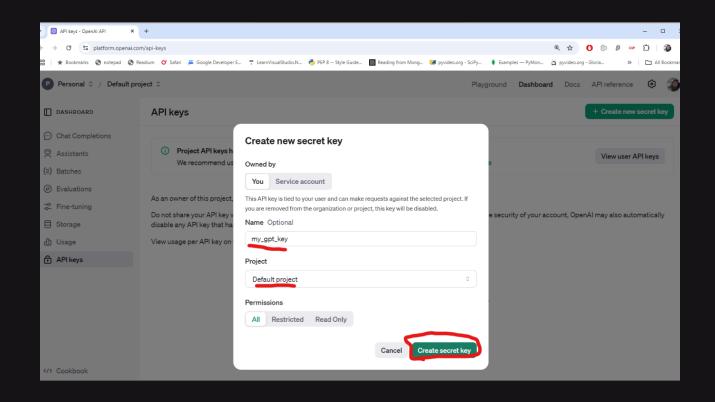
#### Setup your OpenAl Account and Billing



- Create an account on https://platform.openai.com/
- Go to Settings -> Billing as shown on the left
- Add in minimum of 5\$ credit balance



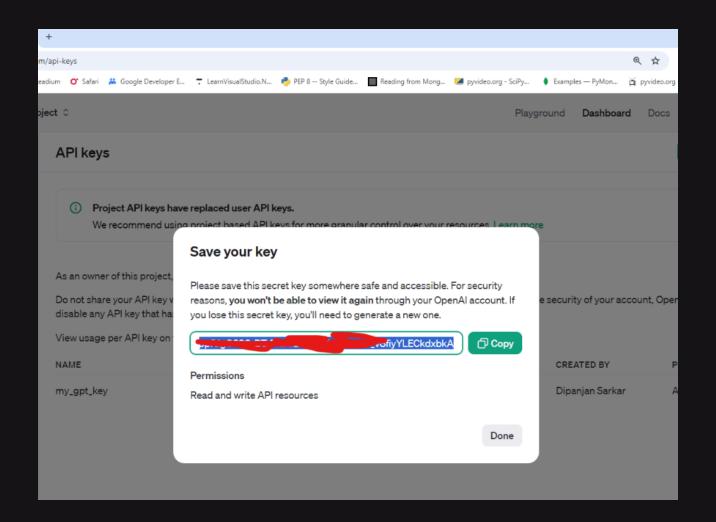
#### Setup your OpenAl API Key



- Go to Dashboard -> API keys as shown on the left
- Create your secret key



#### Save your OpenAl API Key



- Save your secret key in a secure location as it will be just shown once
- If you forget your key just generate a new one
- Do NOT paste your key publicly on the internet



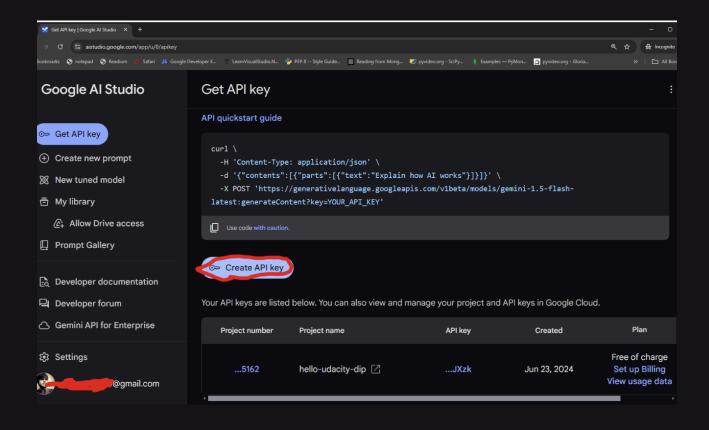
# OpenAl API Pricing (As of Late 2024)

Model	Input Pricing (\$ per 1K tokens)	Output Pricing (\$ per 1K tokens)
gpt-4o	0.00250	0.0100
gpt-4o-mini	0.00015	0.0006
gpt-3.5-turbo	0.00050	0.0015
o1-preview	0.01500	0.0600
o1-mini	0.00300	0.0120
chatgpt-4o-latest	0.00500	0.0150

Source: https://openai.com/api/pricing/ for the latest prices



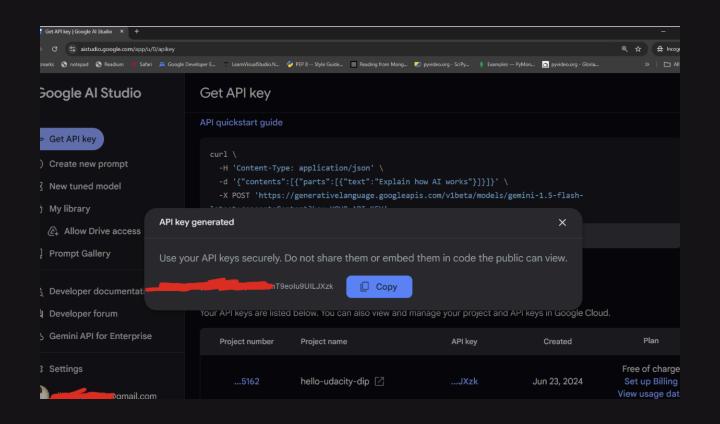
#### Get your Google Gemini API Key



- Create an account on https://aistudio.google.com/app/u/0/apikey
- Click on Create API Key as shown
- So far most models are free of charge, might need billing in the future



#### Save your Google Gemini API Key



- Save your secret key in a secure location
- Can create more keys in the future if needed
- Do NOT paste your key publicly on the internet



# Google Gemini API Pricing (As of Late 2024)

Model		
Gemini 1.5 Flash Free		
Gemini 1.5 Flash Paid (≤ 128k tokens)		
Gemini 1.5 Flash Paid ( > 128k tokens )		
Gemini 1.5 Pro Free		
Gemini 1.5 Pro Paid (≤ 128k tokens)		
Gemini 1.5 Pro Paid ( > 128k tokens )		

Rate Limits	Input Pricing (\$ per 1K tokens)	Input Pricing (\$ per 1K tokens)
15 RPM, 1M TPM, 1,500 RPD	Free of Charge	Free of Charge
2,000 RPM, 4M TPM	0.000075	0.00030
2,000 RPM, 4M TPM	0.00015	0.00060
2 RPM, 32k TPM, 50 RPD	Free of Charge	Free of Charge
1,000 RPM, 4M TPM	0.00125	0.00500
1,000 RPM, 4M TPM	0.00250	0.01000

Source: https://ai.google.dev/pricing for the latest prices



# Thank You

