

LLM Apps

Alternative LLMs to OpenAI: PaLM

Most popular LLMs

- ChatGPT (OpenAI): charges for API access.
- PaLM (Google): free.
 - Issue: currently not available/problematic for European Union users.
- Llama2 (Meta/Facebook): free.
 - Options: install the model on your computer, or use the cloud option.
 - See details in the video dedicated to Llama2.

Obtaining PaLM's API key is feasible

- To obtain an API key for using PaLM, follow these steps:
 1. Create a Google Cloud Platform account. You can do so by visiting the Google Cloud Platform website: <https://cloud.google.com/>
 2. Once you have an account, log in to the Google Cloud Platform Console.
 3. In the left menu, click on APIs and services.
 4. On the APIs and services page, click on Create an API.
 5. On the Create an API page, search for "PaLM" and click on Create.
 6. Once the API is created, click on Credentials in the left menu.
 7. On the Credentials page, click on Create credentials.
 8. On the Create credentials page, select API Key and click on Create.
 9. On the API Key page, click on Show to see your API key.
- Your API key is an alphanumeric character string used to authenticate your requests to the PaLM API. You should keep your API key in a secure place.
- Once you have your API key, you can start using the PaLM API. For more information, consult the PaLM API documentation: <https://developers.generativeai.google/>

Access issue in the European Union

```
from langchain.llms import GooglePalm  
import os  
from dotenv import load_dotenv, find_dotenv  
_ = load_dotenv(find_dotenv())  
palm_api_key = os.environ["PALM_API_KEY"]  
llm = GooglePalm(google_api_key=palm_api_key)  
llm("what is the opposite of hot?")
```

ERROR MESSAGE: PALM IS NOT ACCESSIBLE IN YOUR LOCATION.