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PromptLayer ChatOpenAI

This example showcases how to connect to PromptLayer to start recording your ChatOpenAI requests.

Install PromptLayer

The `promptlayer` package is required to use PromptLayer with OpenAI. Install `promptlayer` using pip.

```
pip install promptlayer
```

Imports

```
import os
from langchain.chat_models import PromptLayerChatOpenAI
from langchain.schema import HumanMessage
```

Set the Environment API Key

You can create a PromptLayer API Key at www.promptlayer.com by clicking the settings cog in the navbar.

Set it as an environment variable called `PROMPTLAYER_API_KEY`.

```
os.environ["PROMPTLAYER_API_KEY"] = "**********"
```

Use the PromptLayerOpenAI LLM like normal

You can optionally pass in `pl_tags` to track your requests with PromptLayer's tagging feature.

```
chat = PromptLayerChatOpenAI(pl_tags=["langchain"])
chat([HumanMessage(content="I am a cat and I want")])
```

```
    AIMessage(content='to take a nap in a cozy spot. I search around for a suitable place and finally settle
on a soft cushion on the window sill. I curl up into a ball and close my eyes, relishing the warmth of the
sun on my fur. As I drift off to sleep, I can hear the birds chirping outside and feel the gentle breeze
blowing through the window. This is the life of a contented cat.', additional_kwargs={})
```

The above request should now appear on your PromptLayer dashboard.

Using PromptLayer Track

If you would like to use any of the PromptLayer tracking features, you need to pass the argument `return_pl_id` when instantiating the PromptLayer LLM to get the request id.

```python
chat = PromptLayerChatOpenAI(return_pl_id=True)
chat_results = chat.generate([[HumanMessage(content="I am a cat and I want")]])

for res in chat_results.generations:
    pl_request_id = res[0].generation_info["pl_request_id"]
    promptlayer.track.score(request_id=pl_request_id, score=100)
```

Using this allows you to track the performance of your model in the PromptLayer dashboard. If you are using a prompt template, you can attach a template to a request as well. Overall, this gives you the opportunity to track the performance of different templates and models in the PromptLayer dashboard.