

PromptLayer ChatOpenAI

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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
```

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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 instantializing the PromptLayer LLM to get the request id.

```
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_event(request_id=pl_request_id, score=100)
```

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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.