

## Using any model via LiteLLM

### Note

The LiteLLM integration is in beta. You may run into issues with some model providers, especially smaller ones. Please report any issues via [Github issues](#) and we'll fix quickly.

[LiteLLM](#) is a library that allows you to use 100+ models via a single interface. We've added a LiteLLM integration to allow you to use any AI model in the Agents SDK.

### Setup

You'll need to ensure `litellm` is available. You can do this by installing the optional `litellm` dependency group:

```
pip install "openai-agents[litellm]"
```

Once done, you can use `LitellmModel` in any agent.

### Example

This is a fully working example. When you run it, you'll be prompted for a model name and API key. For example, you could enter:

- `openai/gpt-4.1` for the model, and your OpenAI API key
- `anthropic/claude-3-5-sonnet-20240620` for the model, and your Anthropic API key
- etc

For a full list of models supported in LiteLLM, see the [litellm providers docs](#).

```
from __future__ import annotations

import asyncio

from agents import Agent, Runner, function_tool, set_tracing_disabled
from agents.extensions.models.litellm_model import LitellmModel

@function_tool
def get_weather(city: str):
```

```
print(f"[debug] getting weather for {city}")
return f"The weather in {city} is sunny."

async def main(model: str, api_key: str):
    agent = Agent(
        name="Assistant",
        instructions="You only respond in haikus.",
        model=LitellmModel(model=model, api_key=api_key),
        tools=[get_weather],
    )

    result = await Runner.run(agent, "What's the weather in Tokyo?")
    print(result.final_output)

if __name__ == "__main__":
    # First try to get model/api key from args
    import argparse

    parser = argparse.ArgumentParser()
    parser.add_argument("--model", type=str, required=False)
    parser.add_argument("--api-key", type=str, required=False)
    args = parser.parse_args()

    model = args.model
    if not model:
        model = input("Enter a model name for Litellm: ")

    api_key = args.api_key
    if not api_key:
        api_key = input("Enter an API key for Litellm: ")

    asyncio.run(main(model, api_key))
```