```
from dotenv import load_dotenv
from swarm_models import OpenAlChat
from swarms.structs import Agent
# import modal
load_dotenv()
# Model
IIm = OpenAlChat(
  openai_api_key=os.getenv("OPENAI_API_KEY"),
  model_name="gpt-4",
  max_tokens=1000,
)
# Modal
# stub = modal.Stub(name="swarms")
# Agent
# @stub.function(gpu="any")
agent = Agent(
```

import os

Ilm=Ilm,

```
max_loops=2,
autosave=True,
dashboard=True,
)
out = agent.run(
   "Generate a 5,000 word blog on how swarms of autonomous agents"
   " can be used to solve the world's problems."
)
print(out)
```