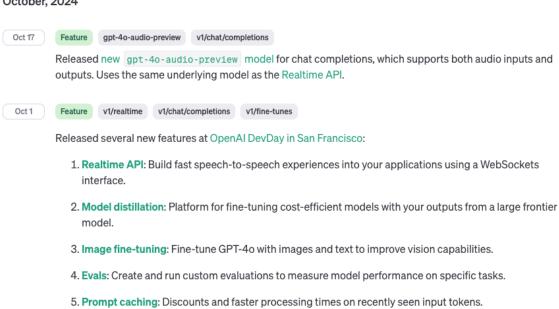
# Exploring the new gpt-4o-audio-preview model for chat completions

### Changelog

October, 2024



6. Generate in playground: Easily generate prompts, function definitions, and structured output schemas

Link: https://platform.openai.com/docs/changelog

in the playground using the Generate button.

The audio model:

# **Audio generation**

In addition to generating text and images, some models enable you to generate a spoken audio response to a prompt, and to use audio inputs to prompt the model. Audio inputs can contain richer data than text alone, allowing the model to detect tone, inflection, and other nuances within the input.

You can use these audio capabilities to:

- · Generate a spoken audio summary of a body of text (text in, audio out)
- · Perform sentiment analysis on a recording (audio in, text out)
- Async speech to speech interactions with a model (audio in, audio out)

Link: <a href="https://platform.openai.com/docs/guides/audio">https://platform.openai.com/docs/guides/audio</a>

What can you do with this audio completions call:

- 1) Generate a spoken audio summary of a body of text (text in, audio out)
- text in → text + audio out
- audio in → text + audio out
- text + audio in → text + audio out
- 2) Perform sentiment analysis on a recording (audio in, text out)
- audio in → text + audio out
- audio in  $\rightarrow$  text out
- text + audio in → text + audio out
- text + audio in → text out
- Async speech to speech interactions with a model (audio in, audio out)
- audio in → text + audio out
- text + audio in → text + audio out

And, you can have multi-turn conversations!

```
ð
   curl "https://api.openai.com/v1/chat/completions" \
       -H "Content-Type: application/json" \
       -H "Authorization: Bearer $OPENAI_API_KEY" \
3
4
       -d '{
5
           "model": "gpt-4o-audio-preview",
6
           "messages": [
8
9
10
11
13
14
15
17
18
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20
22
23
24
```

## Links

Sample audio file "BAK.wav"

Link:

https://www.kaggle.com/datasets/crischir/sample-wav-audio-files?resourc e=download

Sample audio file "meeting.mp3"

Link:

https://www.kaggle.com/code/caesarlupum/speech-recognition-timealignedspectrogramsn

Work Kit - Gumroad

For access to this google sheet, all URLs, all code used, all audio samples, everything, I will link in my gumroad. It's free or you can donate.

Fun SNL Skit Audio Generation on Reddit Link:

https://www.reddit.com/r/OpenAl/comments/1g68p6u/gpt4oaudiopreview\_generates\_a\_skit\_with\_sound/

#### Asks:

- 1. Subscribe to my channel
- 2. Fill out this survey: <a href="https://forms.gle/otAr1xUamgyYZE5y7">https://forms.gle/otAr1xUamgyYZE5y7</a>