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Run OpenAI Whisper Locally: Step-by-Step Guide



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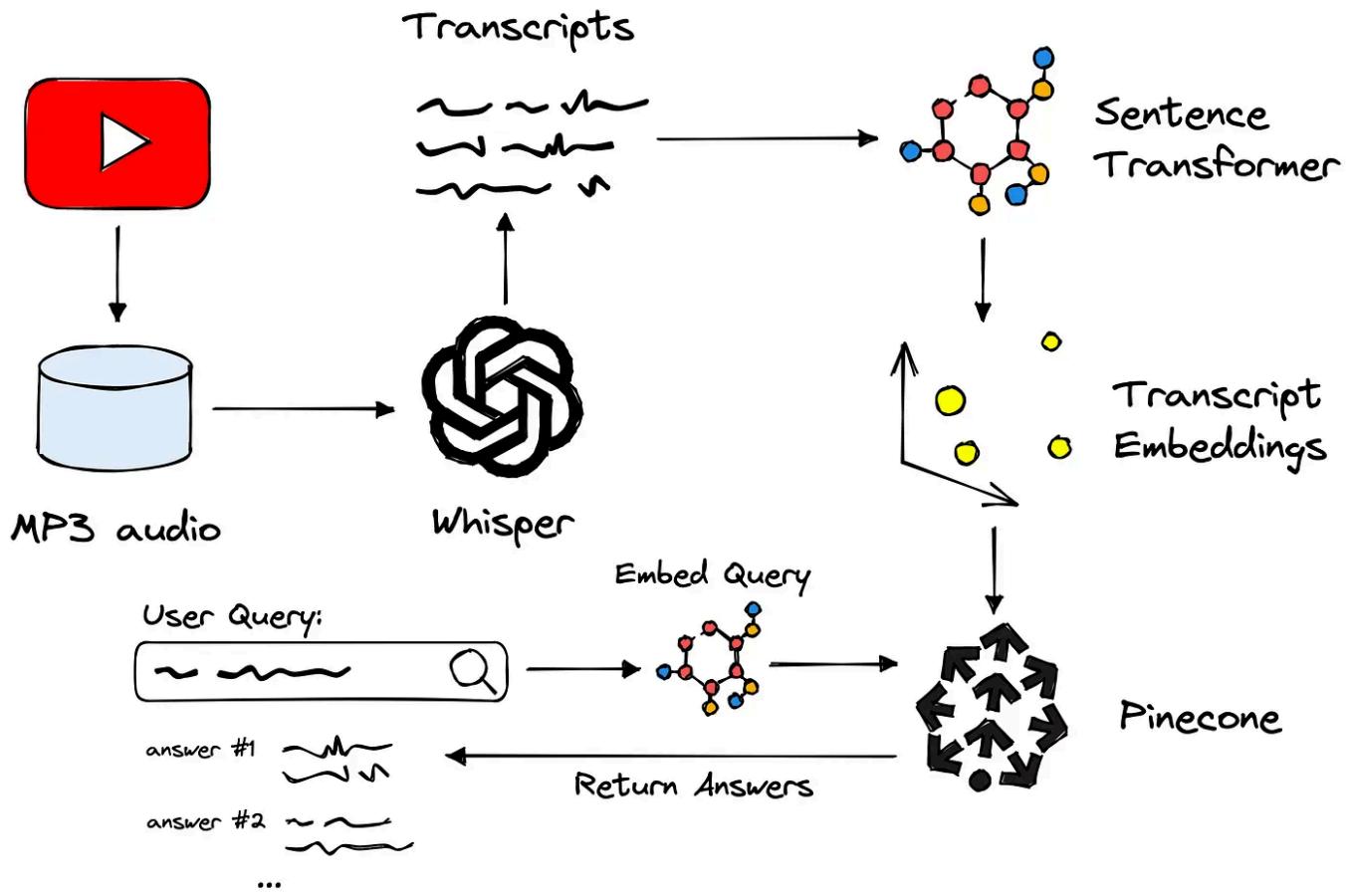


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How to Run OpenAI Whisper Locally

OpenAI's Whisper is a powerful speech recognition model that can be run locally. Here's a step-by-step guide to get you started:



Step 1: Install Whisper and Dependencies

1. Install Whisper:

Open a terminal or command prompt.

Run the following command to install Whisper and its dependencies:

```
pip install git+https://github.com/openai/whisper.git
```

1. Install ffmpeg :

- For Ubuntu/Debian:

```
sudo apt update && sudo apt install ffmpeg
```

- For MacOS using Homebrew:

```
brew install ffmpeg
```

- For Windows using Chocolatey:

```
choco install ffmpeg
```

Step 2: Set Up Your Environment

1. Ensure Python and pip are installed:

2. Additional Tools for Windows:

You might need to install additional tools like Chocolatey for package management. You can install Chocolatey by following the instructions on their official website.

Step 3: Transcribe Audio Files Locally

Using Command Line:

Navigate to the directory where your audio file is located.

Run the following command to transcribe the audio file:

```
whisper --model base --language en --task transcribe your_audio_file.mp3
```

Replace `your_audio_file.mp3` with the path to your audio file.

Using Python:

You can also use Whisper in a Python script.

Here's an example:

```
import whisper
model = whisper.load_model("base")

result = model.transcribe("your_audio_file.mp3")
print(result["text"])
```

Step 4: Additional Considerations

Resource Intensive:

- Running Whisper locally can be resource-intensive, especially for larger models. Ensure your system has sufficient memory and processing power.

GPU Usage:

- For optimal performance, consider using a GPU if available. Whisper can

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