Transcribing long audio files

This page demonstrates how to transcribe long audio files (longer than 1 minute) to text using asynchronous speech recognition.

*Asynchronous speech recognition* starts a long running audio processing operation. Use asynchronous speech recognition to recognize audio that is longer than a minute. For shorter audio, [Synchronous Speech Recognition](https://cloud.google.com/speech-to-text/docs/sync-recognize) is faster and simpler.

You can retrieve the results of the operation via the [google.longrunning.Operations](https://cloud.google.com/speech-to-text/docs/reference/rest/v1/operations#resource-operation)def transcribe\_gcs (gcs\_uri):  
    """Asynchronously transcribes the audio file specified by the gcs\_uri."""  
    from google.cloud import speech  
    from google.cloud.speech import enums  
    from google.cloud.speech import types  
    client = speech.SpeechClient()  
  
    audio = types.RecognitionAudio(uri=gcs\_uri)  
    config = types.RecognitionConfig(  
        encoding=enums.RecognitionConfig.AudioEncoding.FLAC,  
        sample\_rate\_hertz=16000,  
        language\_code='en-US')  
  
    operation = client.long\_running\_recognize(config, audio)  
  
    print('Waiting for operation to complete...')  
    response = operation.result(timeout=90)  
  
    # Each result is for a consecutive portion of the audio. Iterate through  
    # them to get the transcripts for the entire audio file.  
    for result in response.results:  
        # The first alternative is the most likely one for this portion.  
        print(u'Transcript: {}'.format(result.alternatives[0].transcript))  
        print('Confidence: {}'.format(result.alternatives[0].confidence))