

AssemblyAI

AssemblyAI

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Speech-to-text

YOUR INFORMATION

Usage

Processing queue

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2-minute quickstart

Using Python

Install the CLI

Your API key

cb768a5619...

Concurrency limit

5 files processed in parallel

Get started

Start transcribing your audio

NO-CODE

Quickly test our API on any audio file

Open Playground >

AI Models in seconds

AssemblyAI CLI

Explore

Learn more about AssemblyAI


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Copy token

<input type="checkbox"/>	Language	Language Code	Status	Speaker Labels	Custom Vocabulary
1	Global English	en	Live	✓	✓
2	Australian English	en_au	Live	✓	✓
3	British English	en_uk	Live	✓	✓
4	US English	en_us	Live	✓	✓
<input type="checkbox"/>	 Spanish	es	Live		✓
6	French	fr	Live		✓
7	German	de	Live		✓
8	Italian	it	Live		✓
9	Portuguese	pt	Live		✓
10	Dutch	nl	Live		✓
11	Hindi	hi	Live		✓
12	Japanese	ja	Live		✓

```
with open('assemblyai.txt') as f:
    API_KEY = f.read()

import requests

# upload
filename = 'f2bjrop1.0.wav'
def read_file(filename,chunk_size=5242880):
    with open(filename,'rb') as f:
        while True:
            data = f.read(chunk_size)
            if not data:
                break
            yield data

headers = {'Authorization': API_KEY}
```

https://colab.research.google.com/drive/1VrPPw2cyRRe4Pouv1lIlnaEV0AsBroxD#scrollTo=xJHeW4r40LEH&printMode=true

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```

headers = { 'authorization':API_KEY}

response = requests.post('https://api.assemblyai.com/v2/upload',headers = headers,data=read_file(filename))

response

<Response [200]>

print(response.json())

{'upload_url': 'https://cdn.assemblyai.com/upload/dc099cfa-0498-449a-ad9b-d7a619e547c6'}

#transcript
endpoint = "https://api.assemblyai.com/v2/transcript"
json = {'audio_url':response.json()['upload_url']}
headers = {'authorization':API_KEY,'content_type':'application/json'}
response = requests.post(endpoint,headers = headers,json=json)

response

<Response [200]>

response.json()

#poll
polling_endpoint = endpoint+'/'+str(response.json()['id'])
polling_response = requests.get(polling_endpoint,headers=headers)
print(polling_response.json())

{'id': '66a91shr1g-522f-45de-812f-6cc7574e3c7b', 'language_model': 'assemblyai_default', 'acoustic_model': 'assemblyai_default', 'language': 'en-US'}

print(polling_response.json()['text'])

Wanted chief justice of the Massachusetts Supreme Court. In April, the SJC's current leader, Edward Hennessy, reaches the mandatory retirement age of 70.

while True:
    polling_response = requests.get(polling_endpoint,headers=headers)
    if polling_response.json()['status']=='completed':
        print(polling_response.json()['text'])
        break
    elif polling_response.json()['status']=='error':
        print('error')
        break
    else:
        pass

Wanted chief justice of the Massachusetts Supreme Court. In April, the SJC's current leader, Edward Hennessy, reaches the mandatory retirement age of 70.

```

