Amazon Transcribe

Amazon Transcribe is a fully managed service that automatically converts speech to text.



Amazon Transcribe



Speech-to-text transcription

Speech

I converted two thousand dollars at two AM January fifth twenty twelve

Text

I converted \$2000 at two a.m. January 5th 2012

Supports multiple languages:

af-ZA, ar-AE, ar-SA, zh-CN, zh-TW, da-DK, nl-NL, en-AU, en-GB, en-IN, en-IE, en-NZ, en-AB, en-ZA, en-US, en-WL, fr-FR, fr-CA, fa-IR, de-DE, de-CH, he-IL, hi-IN, id-ID, it-IT, ja-JP, ko-KR, ms-MY, pt-PT, pt-BR, ru-RU, es-ES, es-US, ta-IN, te-IN, th-TH, tr-TR



Transcription types

Batch transcription

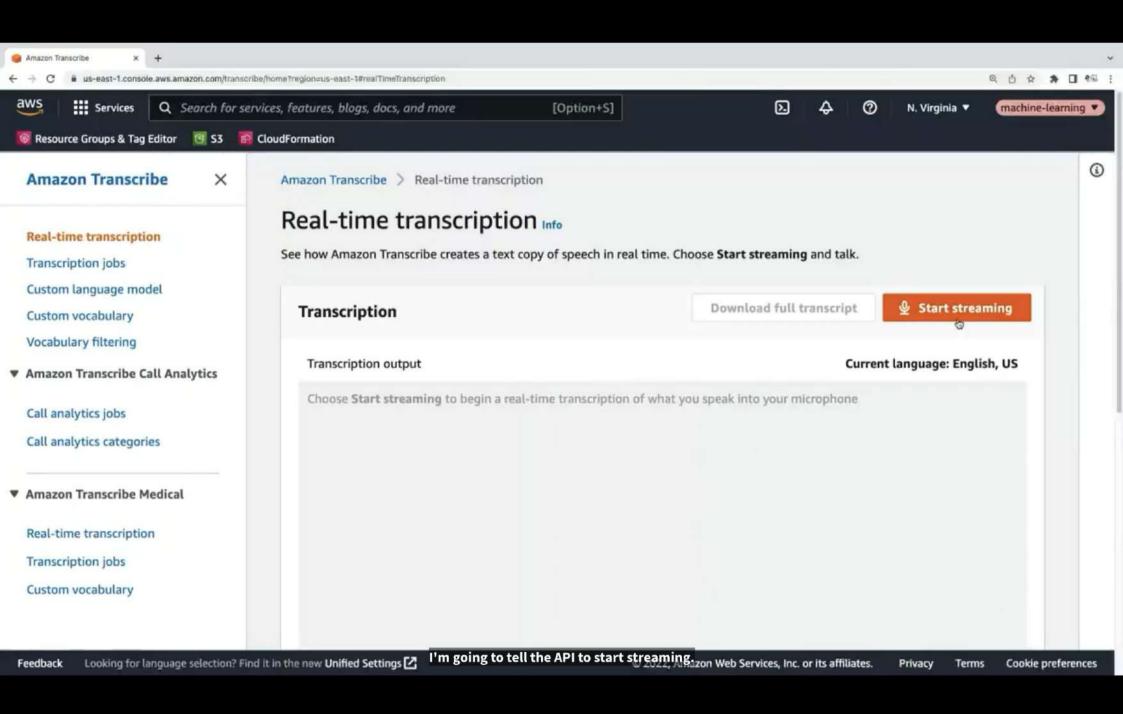
StartTranscriptionJob

Stream transcription

StartStreamTranscription

- HTTP/2
- Websockets





Custom vocabulary

Prepare a custom vocabulary for terms, such as brand names, acronyms, and proper nouns.

For example,

- Before: The engine X application uses a no sequel database.
- After: The NGINX application uses a NoSQL database.

Phrase	SoundsLike	IPA	DisplayAs
engine-X			NGINX
no-sequel			NoSQL
Andorra-la-Vella	ann-do-rah-la- bay-ah		Andorra-la-Vella
C.L.I.		sıεlaı	CLI



Custom language models

Use a trained custom language model for domain-specific speech.

A custom language model:

- Learns the context of words. For example, ice floe in comparison to ice flow.
- Performs best with a significant set of text data.





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Vocabulary filters

Provide a list of words to create a vocabulary filter.

With Amazon Transcribe, you can:

- Mask, or filter any of the filter words from the transcription.
- Remove offensive or profane terms.

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Content redaction

Mask or remove sensitive, personally identifiable information.

```
"ContentRedaction": {
   "RedactionOutput": "redacted",
   "RedactionType": "PII",
   "PiiEntityTypes": [
    "NAME",
    "ADDRESS",
    "CREDIT_DEBIT_NUMBER",
    "BANK_ACCOUNT_NUMBER"
]
```



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Language and speaker identification

To identify languages:

- LanguageCode
- IdentifyLanguage
- IdentifyMultipleLanguages

To identify speakers (diarize):

- ShowSpeakerLabels
- MaxSpeakerLabels

