

# Amazon Transcribe

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**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



© 2015 Amazon.com, Inc. or its affiliates. All rights reserved. I say "two thousand dollars," but the written version places

# Transcription types

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## Batch transcription

StartTranscriptionJob

## Stream transcription

StartStreamTranscription

- HTTP/2
- Websockets

## Amazon Transcribe



### Real-time transcription

Transcription jobs

Custom language model

Custom vocabulary

Vocabulary filtering

### Amazon Transcribe Call Analytics

Call analytics jobs

Call analytics categories

### Amazon Transcribe Medical

Real-time transcription

Transcription jobs

Custom vocabulary

Amazon Transcribe > Real-time transcription

## Real-time transcription [Info](#)

See how Amazon Transcribe creates a text copy of speech in real time. Choose **Start streaming** and talk.

### Transcription

Download full transcript

**Start streaming**

Transcription output

Current language: English, US

Choose **Start streaming** to begin a real-time transcription of what you speak into your microphone

# 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.		s i ɛ l aɪ	CLI

# Custom language models

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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.

# Vocabulary filters

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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.



## 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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sensitive, personally identifiable information.



# Language and speaker identification

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## To identify languages:

- `LanguageCode` 
- `IdentifyLanguage`
- `IdentifyMultipleLanguages`

## To identify speakers (diarize):

- `ShowSpeakerLabels`
- `MaxSpeakerLabels`