



Google Cloud Platform

Powered by Machine Learning

Apply the most advanced deep learning neural network algorithms to your user's audio for speech recognition with unparalleled accuracy. Speech API **accuracy improves over time** as Google improves the internal speech recognition technology used by Google products.

Over 110 Languages

Speech API **recognizes** over 110 languages and variants to support your global user base. You can also **filter inappropriate content** in text results.

Return Text Results in Real-Time

Speech API can **stream text results**, returning partial recognition results as they become available, with the recognized text appearing immediately while speaking. Alternatively, Speech API can return recognized text from audio stored in a file.

Accurate in Noisy Environments

You don't need advanced signal processing or noise cancellation before sending audio to Speech API. The service can successfully **handle noisy audio** from a variety of environments.



Powerful real-time speech recognition

Automatically transcribe audio from **7 languages** in real-time. Rapidly identify and transcribe what is being discussed, even from lower quality audio, across a variety of audio formats and programming interfaces (HTTP REST, Websocket, Asynchronous HTTP)

Highly accurate speech engine

Customize your model to improve accuracy for language and content you care most about, such as product names, sensitive subjects or names of individuals. Recognizes different speakers in your audio Spot specified keywords in real-time with high accuracy and confidence

Built to support various use cases

Transcribe audio for various use cases ranging from real-time transcription for audio from a microphone, to analyzing 1000s of audio recording from your call center to provide meaningful analytics