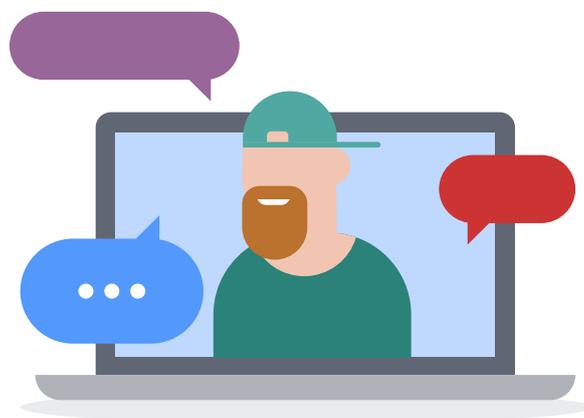**Speechmatics**

Real-Time Cloud ASR

Product Sheet

Transcribe in real time using the Cloud. Get instant results with Speechmatics' most accurate and inclusive speech-to-text API ever released.

Real-Time Cloud ASR

Our proprietary Low Latency Finals deliver world-leading accuracy for every size of business. With transcription provided in real time, anyone can gather actionable data instantly.

Our Real-Time SaaS – available through the Speechmatics self-service portal – makes cloud-based speech-to-text more accessible and inclusive. Removing the need to build and manage infrastructure, businesses of all sizes can make the most of the world's leading speech-to-text API.

Effective real-time captioning is essential for all manner of industries, including broadcast, meetings, education and contact centers. Speechmatics' Real-Time SaaS does not compromise on accuracy, providing the same quality of transcription as Batch (pre-recorded media files). Uniquely, it also offers a sliding scale, where customers can balance speed of transcription with expected accuracy to meet their specific needs.

Our Real-Time SaaS helps remove regulatory and compliance bureaucracy from speech-to-text operations and accelerates customers' cloud transformations. It lets everyone access high-quality speech-to-text services, wherever they need them.

Description
A low-risk, high-reward approach to highly accurate transcription in real time. Fully managed and operated by Speechmatics, our Real-Time SaaS offers accelerated time to market and reduces operational complexities and costs.

Transcribing your Audio Stream
Send your audio using our client SDK to quickly add real-time transcription to your product. Audio is sent through a Secure WebSocket (WSS) connection. Your transcription is returned through the same connection in a JSON format for easy integration.

Languages
You can find all supported languages for Cloud at speechmatics.com.

Interface
Use a secure WebSocket (wss://) API for the transmission of audio streams to our SaaS and retrieval of resulting transcripts.

Multiple simultaneous audio streams are supported to scale with your requirements.

Audio Format
Raw audio: PCM F32 LE raw audio stream (32-bit float), PCM S16 LE raw audio stream (16- bit signed int), mu-law.

Files
wav, mp3, aac, ogg, mpeg, amr, m4a, mp4, flac.

Response Format

Responses are in JSON and include all relevant metadata such as timing, confidence scores, and speaker labels for every word.

Two types of responses are provided: partial transcripts (optional) and final transcripts. Partials return within milliseconds to give an early prediction of the words spoken and improve as more context is available. Finals return the best prediction for the audio segment.

Multiple Available Regions

Hosting in both Europe and the USA, we support compliance by processing data in the region required.

Security

Speechmatics adheres to the highest standards of information security and is certified ISO:27001 compliant.

Additional Features

Feature	Description
Delay Controls	Optimize accuracy vs. speed for your use case by configuring delay of the final transcription.
Flexible Endpointing	Ensure output formatting is kept consistent by flexibly delaying when the final transcription is returned.
Custom Dictionary	Add your own words to enhance your transcription accuracy, especially for keywords.
Speaker Labels	Easily identify who said what in a real-time audio stream. Words are labeled with the predicted speaker "S1", "S2". Also indicates where speaker changes occur.
Advanced Punctuation	Language-specific punctuation marks included by default. Includes full-stops, commas and exclamation marks.
Entity Detection and Formatting	Tags entities such as numbers, dates, and currency. Provides excellent readability of the transcript through consistent formatting of these entities.
Profanity and Disfluency Tagging	Automatically detect words considered profanities or hesitations through tags on the relevant words.
Word Timings	Accurate word-by-word start and end timestamps for the transcript.
Confidence Scores	Understand the confidence in the prediction of every word.

Ready to try Speechmatics?

Sign up for [free](#) today and get started using our self-service portal.
We pride ourselves on offering the best support for your business needs.

If you have any questions, just ask.

Contact Us

For any other questions or comments, call or send us an email.
Our office is open between 9am-5pm.

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