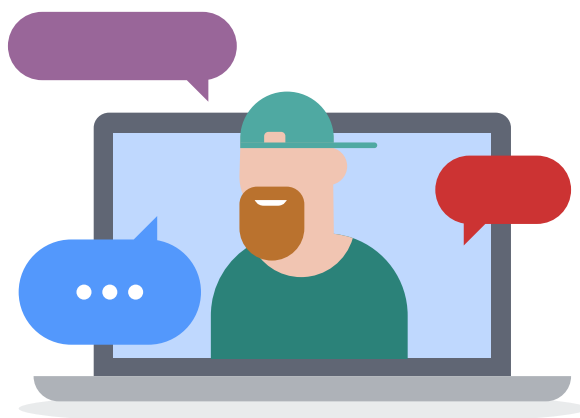


Real-Time SaaS ASR

Product Sheet

Transcribe in real-time using our RT SaaS and get data results instantly with Speechmatics' most powerful, inclusive, and accurate engine ever.



Real-Time SaaS ASR

With transcription provided in real-time, you can gather actionable data instantly. Our proprietary Low Latency Finals deliver best-in-class accuracy through automatic word correction re-scoring.

With our real-time ASR, there's no need to wait until the recording is finished before you can access the information within the transcript.

With latency as low as a second, it can be adapted to get the best accuracy within your specific limits. Low Latency Finals enable the most accurate real-time transcription by leveraging Speechmatics' proprietary rescoring outputs. Here, Speechmatics can define the context of a transcript and automatically correct words to match the context. You can also configure the latency between the initial transcription and the update to balance time and accuracy indicators.

Description

A low-risk, high-reward approach to highly accurate transcription, deployed within a public cloud environment. Fully managed and operated by Speechmatics, our RT SaaS offers accelerated time to market, while reducing operational complexities and costs.

Deployment Method

Transcription is provided through a WebSocket Secure connection to the Speechmatics engine, which is deployed within a hosted environment, managed and operated by Speechmatics.

Languages

You can find all supported languages for RT SaaS at speechmatics.com.

Supported Operating Environment

Our production environment is hosted in both Europe and the USA.

Speech Interface

WebSocket Secure API for the transmission of audio streams and retrieval of resulting transcripts (`wss://`).

Input File Formats

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 – no additional formats are supported.

Output Format

JSON format: Operates on multiple streams at a time. Output for each stream is available continuously as each final phrase is transcribed. Can operate on continuous streams of audio data and includes metadata such as timing and confidence scores, speaker change tokens on a per word basis.

Connectivity Requirements

TCP port 443 is needed to enable access to our cloud-based offering.

Performance

One WebSocket connection allows a single audio stream to be transcribed in real-time.

Admin

All administration of RT SaaS is managed by Speechmatics.

Security

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

Our cloud-based offering runs on a secure public cloud infrastructure. Core services are run on a private network, with access provided by secure links with Network Address Translation (NAT) to route traffic to the internal addresses and ports.

The platform receives regular security patches to address vulnerabilities against known threats.

The platform is multi-tenant and access to each customer's data is controlled using a private strong API key over SSL. The RT SaaS platform does not store any audio or transcript data.

Additional Features

Feature	Description
Confidence Scores	Visualize the confidence of every word in the transcript.
Low Latency Finals	Optimize accuracy and speed for your use case by configuring the context of speech segments in the final transcript.
All Major File Formats Supported	Support for major audio and video formats.
Advanced Punctuation	Use an extensive set of supported punctuation marks to improve transcript accuracy and utility.
Custom Dictionary and Sounds Feature	Add unique words to the dictionary to enhance your transcription accuracy, especially for key words.
Speaker Change	Easily identify a change of speaker within your transcript and improve its readability.
Flexible Endpointing	Ensure output formatting is kept consistent by flexibly overriding when transcriptions finals are returned.

Ready to try Speechmatics?

Sign up for your [free trial](#) to start converting your audio in to text using our well-documented APIs. 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.

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