SPEECHMATICS

Batch Containerised ASR

Our Batch Containerised ASR provides transcription of pre-recorded audio within a Docker container.

The transcription is provided after an audio file is passed to the Speechmatics engine within the container. The container technology provides very simple and really fast installation, management and use with a customer's deployment. The container does not store any audio or transcripts making it easy to use within secure environments and to maintain any audio and transcripts within the customer's own security boundaries.

Transcription:

- Supports pre-recorded audio in many audio and video formats
- Transcripts provided in JSON format
- It provides:
  - Words
  - Timing information for each transcribed word
  - Confidence score for each transcribed word
  - Sentence boundary information
- Diarisation is available in 2 modes:
  - Provides the ability to detect and label speakers based on multiple speakers within the same channel
  - Multi-channel mode provides accurate speaker labelling based on the channel of the speaker:
    - Up to 6 channels
    - Channel/speaker naming
- Custom dictionary allows up to 1,000 additional words to be added to the dictionary on a per-transcription basis
  - Add – or increase the probability of correct transcription of – names, company names, products

Languages supported:

- 29 languages

Programmatic use:

- Console/STDIO is used to directly interact with the container to provide a transcription
- Docker layering allows simple integration into customer deployments

Licensing:

- Flexible licensing model

Hardware needs:

- The container needs to run in a supported Docker environment:
  - 1 vCPU per concurrent transcription
  - ~ 5GB RAM for each executing container*

*At least 100 MB free disk space must be available for operating overheads and, if streaming in audio file space, for a copy of the audio file being transcribed.

Storage:

- The container image is < 5 GB footprint per language
- No audio or transcripts are needed to be stored within the container

Performance:

- 1vCPU per concurrent transcript
- Transcript can be provided in better than 2x real time
- Multiple containers can be executed on the same Docker engine at the same time or across multiple Docker engines to enable large scale operations

Connectivity requirements:

- Can operate within your own security boundary allowing you to keep control of your own data

Administration:

- No ongoing maintenance needed for the containers
- All administration is provided by direct use of Docker commands

Contact us for more information on features and pricing:

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