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Deloitte Audio Assistant

Accelerate Your Review

Deloitte Audio Assistant
Reviewing audio files

Evolution of audio discovery - Just as OCR (Optical Character Recognition) has evolved from a hit-or-miss technology into an indispensable tool, audio eDiscovery technology has the potential to bring efficiency and improved accuracy to producing discoverable audio. Welcome Deloitte Audio Assistant.

Working with audio files - Voice recording systems typically do not support indexing of audio files; so in the past, files had to be manually reviewed and tagged for production based on crude date-range and device information.

Efficient review integration – Deloitte Audio Assistant integrates with the suite of tools built on Relativity's eDiscovery platform. Relativity indexing can then be applied to transcribed files, which in turn allows the user to search for responsive terms.

Save time and cost - Deloitte Audio Assistant can potentially reduce the time required for transcription by as much as two-thirds, while providing consistent, careful results. In Deloitte Audio Assistant deployment, the technology is built into the Relativity work stream, facilitating the application of analytics to transcribed text.

The Assistant - Deloitte Audio Assistant technology is a "firstpass" tool designed to help reduce the time and expense of discovery by helping to make the document assessment ready, thus reducing the workload for your experienced reviewers.

Deloitte's Audio Assistant

Potential benefits

Relativity Integration
Works with both on-premise and RelativityOne platforms. Results can be batch reviewed inline with other file types, providing better context to a family of documents.

Experience
We have many years of working with and refining the Audio Assistant accelerator for use in Relativity.

Expedited Reviews
Transcribed documents can be indexed and in turn searched for responsive content or submitted for further analysis.

Language support
Flexible options for on-premise or cloud solutions offer the possibility for transcribing more than 60 languages.

Audio Player
Audio files can be played in Relativity alongside reviewing audio transcripts.

File Support
Supports many common audio file types including video, such as MP4. The tool can identify unsupported files, giving us the opportunity to convert to a common format for transcription.

Confidence Indicators
Word and document-level confidence indicators provide reviewers with confidence as they navigate the transcription.
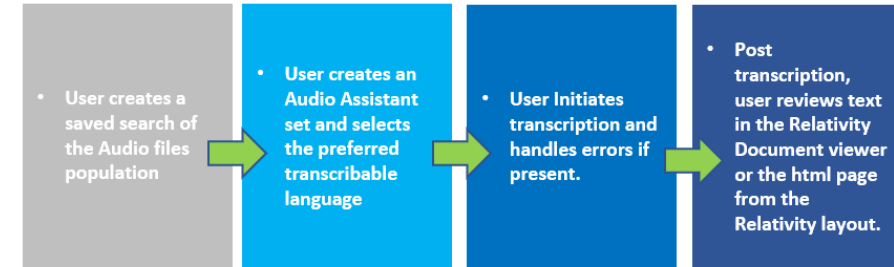
Timestamp
Transcribed utterances are timestamped, allowing the identification of pauses or spirited conversations.
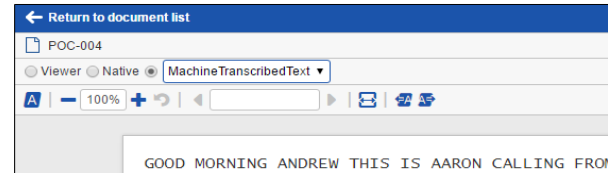
Deloitte Audio Assistant
Workflow

How it works - The Audio Assistant application allows users to search through a large population of documents, send the native audio files through a transcription server and import the transcribed text into the database. The user accesses the application from the Relativity tab within a workspace.

- User creates a saved search of the Audio files population
- User creates an Audio Assistant set and selects the preferred transcribable language
- User Initiates transcription and handles errors if present.
- Post transcription, user reviews text in the Relativity Document viewer or the html page from the Relativity layout.

The Results - Results of the transcription process can be viewed from two sources: the Relativity document viewer and through a Relativity layout.

- To access results through the Relativity document viewer:

← Return to document list
POC-004
○ Viewer ○ Native ◉ MachineTranscribedText ▼
A — 100% + ↺ ◄ ►

GOOD MORNING ANDREW THIS IS AARON CALLING FROM

- The HTML results are also available through a Relativity layout named "Audio Assistant Viewer". The viewer provides additional capabilities including:
  - Timestamp for each speech utterance.
  - Color coded according to their transcription confidence level.
    - White = >=90%; Yellow = 74-89%; Red = <74%
  - The average utterance confidence at the end of each line.
  - The document average confidence at the end of the document.
  - Individual word confidence level.
  - Access to launch the audio file.

ILLUSTRATIVE

Deloitte. Audio Assistant Viewer   Open Audio File

Time	Transcribed Text	Confidence
00:00:00:29	the western american city of san francisco california	89.77
00:00:05:28	suffered a huge earthquake on april eighteenth nineteen oh six	98.07
00:00:12:23	more than three thousand people are known to have died	98.77
00:00:17:79	the true number of dead will never be known	98.18
00:00:22:02	two hundred fifty thousand people lost their homes	99.24
00:00:27:67	just a few hours after the terrible earthquake a magazine named call yours santa telegraph message to the famous american writer jack london	88.8
00:00:41:09	they asked me london to go to san francisco and report about what he saw	94.93
00:00:49:46	he arrived in the city only a few hours after the earthquake	98.63
00:00:55:35	the report he wrote is called the story of an eyewitness	87.55
00:01:01:36	here is doug johnson with the story	92.32
00:01:16:76	no history a modern city and so completely destroyed	81.3
00:01:22:47	san francisco is gone	87.31
00:01:25:17	nothing remains of it but memories and a few homes that we're near the edge of the city	92.6
00:01:32:55	it's industrial area is gone	96.21

Get in touch

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Jessica heads Deloitte's Discovery & Data Management practice and has more than 20 years of experience leading complex data management and analytics projects. These projects focused on issues including business interruption, anti-money laundering, products liability, and accounting malpractice. In addition, Jessica has led the build-out of over 10 new managed service teams in Cyber, Forensics, Third-Party Risk, and other domains across Risk & Financial Advisory. In her current role, Jessica is responsible for the strategic direction and marketplace growth of the Discovery & Data Management practice.

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Steven is a managing director at Deloitte's eDiscovery Solutions Center responsible for the technology and operational aspects of Deloitte's eDiscovery solutions. He has in-depth understanding of the effective technology integration into real-world applications in an effort to secure and manage large eDiscovery systems amid fast-paced high-pressure environments. Steven has over nearly 20 years of eDiscovery experience managing technology for large scale projects.

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