



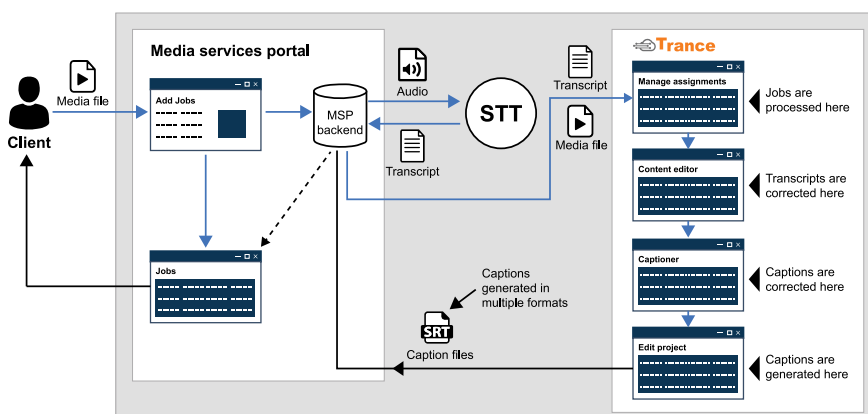
# AI-enabled Solution for Transcription, Closed Captioning, and Translation

Artificial Intelligence (AI) technology combined with Machine Learning (ML) capabilities has enabled content creators to deliver higher productivity, shorter turnaround times, and improvement in both speed and accuracy of the captioning process.

As a content publisher, one of the most common and toughest challenges is to generate captions for new content or to localize source content for foreign language distribution that is per the regulations of platforms like Amazon, Netflix, Hulu, etc. Digital Nirvana's Trance just does that for closed captioning, metadata generation, transcription, and translation.

Trance is feature-rich with AI and ML capabilities. It is developed on a highly secure cloud-based architecture with an integrated automatic speech-to-text (STT), built-in automatic translation engine, and an easy to use interface.

The time and cost of delivering accurate, compliant content for publishing worldwide are reduced by implementing AI-driven metadata and closed-captioning for existing workflows. They can enrich and classify content, enabling more effective repurposing of media libraries and facilitating more intelligent targeting of advertising spots.



## Features

### Automatic Transcription:

- Automatic transcript generation and easy-to-use interface
- Single-window transcript editor
- Improve efficiencies by 50%

### Closed Captions/Subtitle Generation:

- Pro Caption Editor Window
- Configurable presets
- Repurpose and export in various formats for broadcast and digital publishing

### Text Translation:

- Automatic translation from source text with dual pane and source language display for text translations
- Independent spell-check and error alerts for each language with automatic format converters

### Closed Caption Conformance & Quality Assurance:

- Allows users to configure captions according to style guidelines of each distribution platform such as Netflix, Quibi, and others.
- Ability to ingest existing closed captions and generate error reports for easy navigation and correction.

### Orchestration & Project Management:

- Improved project management process.
- Minimized need for manual oversight and intervention.
- Automatic routing, prioritization, and assignment of jobs.

### Easy Integration:

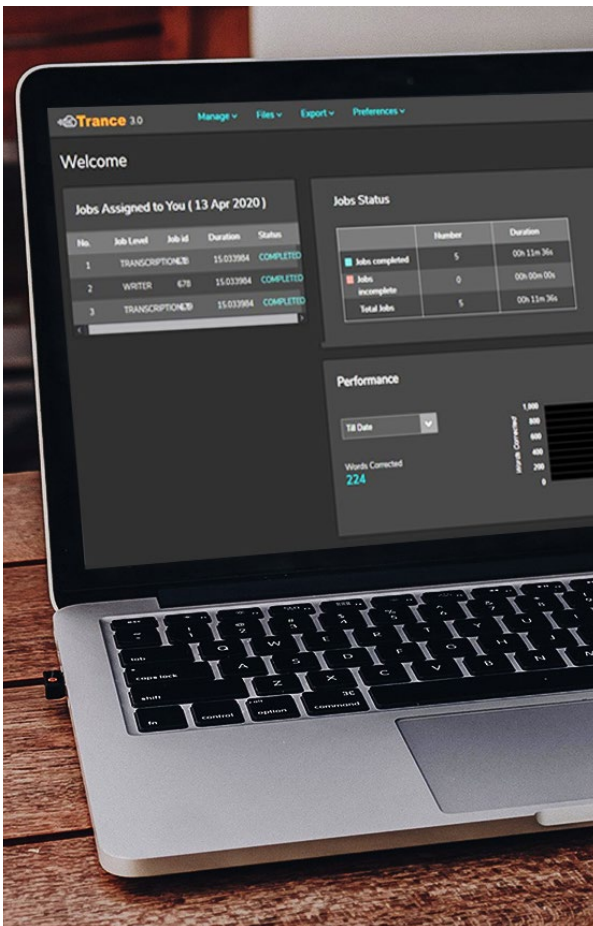
- APIs for integration into existing workflows.
- Off-the-shelf integration with AVID.

### Architecture & Functions:

- High-secure, cloud-based architecture.
- Bring AI and ML capabilities in broadcast and media workflows with a multipurpose workflow solution
- Generate various types of sidecar files and embedded captions.
- Ingest CC and subtitles directly back into the workflows or MAM system.

### User-friendly UI:

- Intuitive user interface.
- In-line caption editing, spell check, and placement with automatic alerts on caption errors.



Media Services portal on Trance is your answer to all the closed captioning requirements. Trance processes the task in two phases, Transcription and Captioning. Here, files are converted to “.mp4” and “.mp3” formats, and then the “.mp3” file is sent to STT Engine (Speech-to-Text), which turns it into a “text” format (transcript). After conversion, STT Engine sends the transcript to the Media Services portal. Now, “.mp4” and “.txt” from the Media Services portal are sent to Trance for captions generation.

Trance supports captioning and spell-check services in multiple languages like English, Spanish, and French. Clients have to choose a primary language and secondary language(s) as per their requirements, to enable spell check for multiple languages. Spell-check option on the Captioner page will spell check for the primary language and the secondary language when added.

Trance incorporated the Caption Conformation Check feature to relieve challenges faced by broadcasters to provide high quality closed caption that integrates seamlessly with each streaming platform. This feature allows the client to do a quick check on their CC assets, and any violation in the caption quality will be flagged.

Trance has time and again helped our numerous clients to achieve their captioning goals. Recently our client, one of the most popular entertainment news and short-format content provider, enabled Trance to deliver content enclosed with closed captions in line with the video platform’s standard and style guidelines in rapid turnaround time - no more than 90 minutes to the time of acquisition to the time of publishing.

Trance has been addressing the needs of modern broadcast media companies by harnessing best-of-breed video, audio, and AI technologies to drive new levels of speed, creativity, quality, and insight. Trance’s comprehensive services portfolio offers a combination of technical and human expertise. It addresses the needs of modern broadcast media companies,

To know more about Trance visit our website <https://digital-nirvana.com>

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## About Digital Nirvana

Digital Nirvana delivers knowledge management technologies that empower organizations worldwide to create content, automate the generation of captions, subtitles, and metadata, as well as monitor the delivery of broadcast media. Built on two decades of industry experience and equipped with next-generation capabilities, the company’s Trance and MonitorIQ, products harness best-of-breed video, audio, and AI technologies to drive new levels of speed, creativity, quality, and insight. Addressing the needs of modern broadcast media companies, these agile products scale to deliver high-impact services for organizations of all sizes, across all regions.

