



ASSET MANAGEMENT SYSTEM

The perfect amalgamation of MAM, DAM & PAM



A single storage medium often does not fulfill the speed, cost and disaster recovery requirements of organizations. Workflowlabs Fusion asset management solution has been built from ground-up to support hybrid storage workflows and with a higher emphasis on cloud based storage and deployment. Fusion imbibes features of media asset management system (MAM), Digital asset management(DAM) and Production asset management(PAM) features to provide a single unified solution to manage all your assets.

Fusion is built on an industry leading cluster architecture that scale upto 50 parallel nodes, making it ideal for big data management. Since the application and database run on all nodes load is distributed across the nodes, thus ensuring higher availability and performance. Fusion also comes with an intuitive drag and drop workflow creator tool enabling users to create their own workflows for file movement, processing and delivery. The familiar flowchart-based workflow creator tool can create complex file workflows in minutes.



Industry first plugin store

Fusion brings an industry-first plugin marketplace that can revolutionize your software buying and maintenance experience

Highlights

- Linux based server provides rock solid stability and better security for your assets.
- Storage Agnostic : Supports Cloud, LTO, ALTO, ODA & NAS
- Deep analytics : Informative & enlightening analytics helps in long term infrastructure planning.
- Boost your productivity with inbuilt collaboration and sharing. Detailed annotation based feedback enables quick review and delivery.
- Fusion has an API-based seamless integration with Disk Archive ALTO series of archive storage solutions.
- Adobe Pro plug-in panel integration provides deep integration with Adobe Premiere CC family of products
- Based on micro services architecture for ease of deployment and maintenance on cloud
- Fusion works with major HSM solutions to support LTO-based tape drives and libraries. Fusion supports both LTFS and TAR based archiving with intelligent caching.
- Ease of integration with third-party devices with powerful API support to exploit the power of fusion.
- Complete MOS support for integration with all major NRCS

Create hybrid workflows

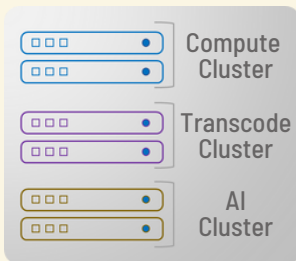
Integrated with practically every storage media variety in the industry, Fusion helps you create hybrid workflows with a mix and match of various storage solutions to achieve an optimized solution.



Fusion modules



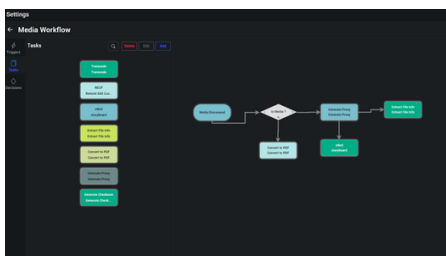
CORE Cluster computing



Fusion is a true clustered solution that distributes both the application and the database across every compute node. This ensures that every operation, from file export to text search, is balanced across all the nodes for optimal performance and reliability. Fusion's clustered solution includes the Fusion Cobalt transcoder and the Fusion Vision AI engine, which are essential for media processing and analysis. The cluster size can range from 3 nodes to 50 nodes for each of the computing, transcoding, and AI functions, providing a significant advantage in speed and scalability.



FILE FLOW File automation



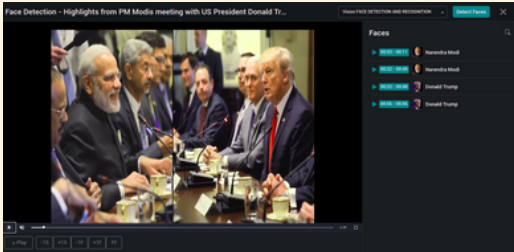
The Fusion Fileflow workflow manager tool is a powerful tool that can help users automate, optimize, and monitor their workflows.

For instance, a user can use the workflow creator tool to create a new media management workflow that performs the following steps:

- Upload media files from various sources such as local devices, cloud storage, or social media platforms.
- Tag media files with relevant metadata such as title, description, keywords, categories, or ratings.
- Transcode media files into different formats and resolutions depending on the target devices and platforms.
- Publish media files to various destinations such as websites, blogs, podcasts, or streaming services.
- Archive media files to backup storage or delete them after a certain period of time.
- Validate and test workflows to ensure they are error-free and functional.
- Receive notifications and alerts to inform users of the status and progress of workflows.
- Generate reports and analytics to measure and improve the performance and efficiency of workflows.

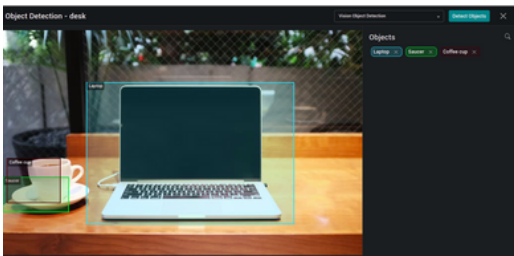
In summary, the Fusion Fileflow workflow manager tool is an all-in-one solution for managing media workflows. It provides users with a comprehensive set of features that can help them streamline their processes and achieve better results. With its intuitive interface and powerful capabilities, it is an ideal choice for anyone looking to optimize their media management workflows.

FACE DETECTION



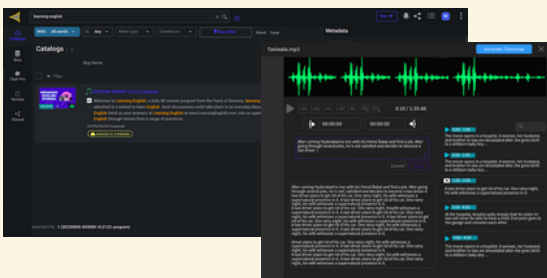
Vision AI is a cutting-edge solution that leverages the best of open-source AI technologies to provide high-performance and accurate face detection capabilities. With advanced machine learning techniques. Vision AI can be applied to various domains, such as security, surveillance, entertainment, education, and health care. Vision AI is designed to be easy to use, scalable, and customizable, making it a versatile and powerful tool for face detection and analysis.

OBJECT DETECTION



Vision AI can analyze images and videos and identify various elements within them. For example, it can detect faces, landmarks, animals, plants, and more. One of the applications of vision AI is to automatically generate tags or labels for your visuals, based on what the algorithm recognizes. This can help you organize, search, and filter your media files more easily and efficiently.

TRANSCRIPTION

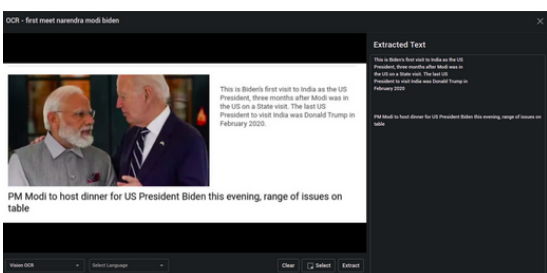


Vision AI can transcribe audio and video files in multiple languages with high accuracy. The transcription process also automatically tags the content with relevant metadata which makes it easy to search, analyze, and share the transcribed files.

By editing the transcriptions, you can improve the accuracy and quality of the output, and also enhance the usability of the data.

Vision AI is a versatile and reliable solution for multi-language transcription and tagging. Whether you need to transcribe a podcast, a webinar, a lecture, or a meeting, Vision AI can handle it with ease.

OCR

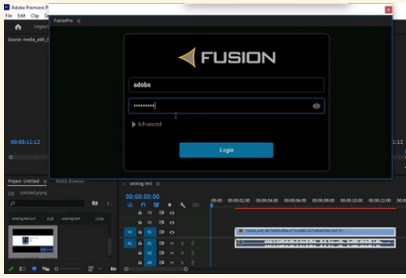


Vision AI can recognize and extract text from various sources, such as scanned documents, photos, or videos. It can handle multiple languages and scripts. Vision AI can also analyze the layout and structure of the text, such as paragraphs, tables, lists, or headings.

Vision AI can be used for many applications, such as document digitization, data extraction, content moderation, accessibility, translation, and more.



PRO PLUGIN NLE PLUGIN

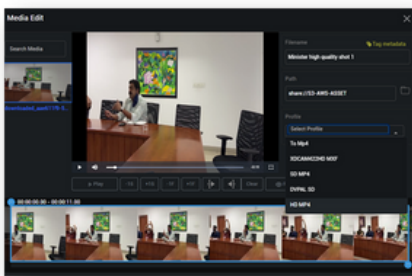


The panel-based plugin integration for Adobe Creative Cloud tools is a powerful feature that enables users to browse, search, import, export, and perform other functions right from within the Adobe interface. This innovative integration streamlines the workflow and provides users with a more efficient and intuitive way to manage their media assets.

In addition to the panel-based plugin integration, the Pro Remote Plugin is another powerful tool that enables remote proxy-based editing on Adobe. This feature allows users to edit their media files from anywhere in the world, without having to be physically present in the same location as their media assets. This can be especially useful for teams that are spread out across different locations or for individuals who need to work remotely.



COBALT Transcoder



Fusion fully leverages the enterprise grade transcoding capabilities of Workflowlabs Cobalt transcoding engine to provide high performance transcoding to a variety of file and streaming formats. This enables automated file delivery to VOD sites and other external locations. Cobalt Transcoder works both in single node and multi-node cluster deployments making it suitable for a variety of workload requirements.

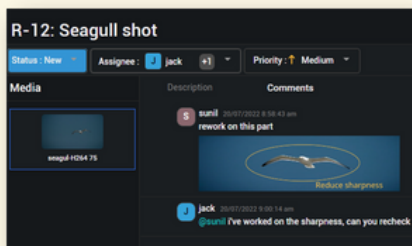
Supported Video Codecs : MPEG-1/2, H.265, H.264, XAVC, XDCAM HD , DV, DVCPRO, etc

Supported Video formats : AVI, MKV MOV, MP4 and MXF

Supported Audio Codecs : AAC, AIFF, Dolby Digital, MPEG Audio Layer-3, MPEG Audio Stream, Ogg Vorbis Files, Wave and Windows Media Audio



PAM Production assets management



Our end-to-end production workflow management tools are designed to help you manage your production assets with ease. Our tools include the following sub-modules:

- Project tracking
- Project review
- Comprehensive ticket management
- Task creation and management

These tools are designed to help you streamline your production process and ensure that your team is working together efficiently. With our tools, you can easily track the progress of your projects, review work that has been completed, manage tickets and tasks, and more.



DOC Document Management

Document asset management (DAM) requires fast and accurate search across large document collections. Fusion achieves this by using Lucene elastic framework and OCR capability.

Lucene elastic framework is a scalable, open-source search and analytics engine based on Apache Lucene. It supports high-performance and reliable data handling, as well as advanced features such as full-text search, aggregations, synonyms, and relevance ranking. OCR capability allows Fusion to process various document types and extract text from images.

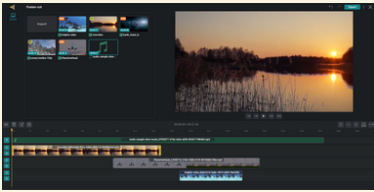
Supported documents : Pdf,docx, pptx, word, txt, xlsx, odt, html, ODP etc





FUSION CUT Web based editing

Video editing is an integral part of any asset management system, Fusion CUT delivers exceptional video editing capabilities with a wide variety of export formats. Editing is performed on proxy media ensuring low bandwidth usage and rendering can be offloaded to backend Fusion compute cluster or a dedicated rendering cluster for large workloads.



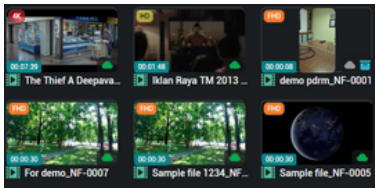
Fusion CUT provides the following video editing capabilities :

- Split and Merging virtually unlimited number of clips
- Audio level and gain control
- Transitions and Text overlay
- Supports multiple resolutions and formats both for import and export
- Automated template based opening montage and closing montage with logo



CLOUD CONNECT Cloud Storage gateway

Fusion has been built ground up to support cloud-only and cloud hybrid workflows. based on microservices architecture Fusion can either be fully deployed on cloud or a hybrid cloud-onprem workflow can be created. The following cloud solutions are currently supported

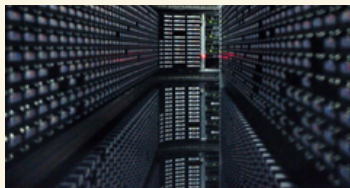


- AWS: Deployment & Storage
- Google Cloud : Storage only
- Private clouds



LTO CONNECT HSM gateway

Fusion is compatible with leading HSM solutions that support LTO-based tape drives and libraries. Fusion enables both LTFS and TAR based archiving with smart caching and offers partial retrieval with the assistance of Fusion Cobalt transcoder.



Fusion also integrates seamlessly with the versatile Karthavya Gravity HSM, facilitating petasite deployments with ease.



ALTO CONNECT Cloud Storage gateway

Fusion has an API-based seamless integration with Disk Archive ALTO series of archive storage solutions.



- Inbuilt vault management.
- Automated DR copy creation.
- Externalization support

Fusion and ALTO work together to deliver a reliable and scalable archive solution for media workflows.

On-prem hosting

OR

Host on cloud

Server Minimum Specs:

Intel Xeon 12C, 2.0 GHz or higher
32GB RAM
500GB SSD HDD
1 Gbps Network card

Amazon EC2
Google compute cloud

Client PC:

Intel i5 or higher
8GB RAM
100GB SSD HDD
1 Gbps Network card
HD Monitor



For more information contact us at sales@workflowlabs.com or visit www.workflowlabs.com