

Automatically Classify Structured and Unstructured Documents

SoftWorks AI's Trapeze Classification Module is a flexible, server-based software solution designed to automatically classify and route documents. Manually filing documents can be an expensive and time-consuming task. In order to maximize employees' time, organizations can leverage this technology designed to organize and classify both scanned image documents and electronic PDF files. The Trapeze Classification Module helps to ensure that documents are not lost or misfiled, while reducing costs and enhancing efficiencies. The module is designed to integrate seamlessly into an organization's existing workflow environment to facilitate fast and easy user adoption.

The Trapeze Classification Module allows organizations to import their taxonomy, train the system to accurately identify specific document types, and automate the classification and routing of image based documents and electronically created PDF files. The system can process both structured and unstructured documents with a high degree of accuracy. Based upon specified routing rules, the system can file documents to an organization's content management repository, email copies to specified user(s), and facilitate downstream document-centric workflows.



Process Electronic PDF Files

The module gives users the unique ability to process both scanned image documents and electronic or "native" PDF files with maximal efficiency. Whenever an electronic PDF is detected, Trapeze will bypass the resource-intensive and time-consuming OCR process, a powerful function that typically improves system performance speed by as much as 80%. In terms of accuracy, organizations can expect to achieve a 90-100% text confidence factor on average for electronic PDFs, allowing for greater auto-validation rates and a faster, more efficient workflow.

CVIEW Exception Validation for Additional Control

Documents satisfying the specified confidence criteria can be automatically routed with no further intervention. Any other documents requiring user review are presented within the CVIEW Validation interface, which enables designated users to either approve or modify the suggested classification. Modifications made during validation sessions are leveraged as part of Trapeze Classification's feedback loop and machine learning process, which continually enhances the software's accuracy. Following validation, approved documents are automatically routed to the appropriate locations according to the routing rules.

Advanced Machine Learning for Improved Classification

SoftWorks AI's Trapeze Classification leverages advanced machine learning, enabling organizations to easily train the software on an unlimited number of document types and document taxonomies. As the solution processes more documents, it gets smarter by understanding the organization's classification and routing rules. As more documents are processed, organizations can realize more automation and greater cost reductions over time.

Optimize Turnaround Time with Fast, High-Volume Processing

The classification module is a server-based solution designed for high volume document processing, making it a perfect addition into a business workflow environment. Files can be processed in batch mode or through watch folders to enable unattended workflows. Trapeze Classification supports parallel processing by maximizing available CPUs, enabling faster turnaround times.

In an application of the classification module to a mortgage loan packet processing workflow, processing times for each packet (250 pages on average) were reduced from over 2 hours to less than 15 minutes each. The module was able to classify documents in this case with over 99% accuracy.

Trapeze Classification Benefits

- Reduce costs by automatically classifying and routing both structured and unstructured documents
- Process both scanned image documents and electronic PDF files with high efficiency
- Locate information instantly in an organized, indexed system
- Ensures secure storage, timely access, and increased compliance with record retention requirements
- Full-text OCR for more confident discovery results, efficient end user search, and reduced document retrieval time
- Compression to enable efficient document sharing, faster access from remote locations, and reduced storage costs
- High-volume PDF conversion (including PDF/A) to ensure the integrity and long term access to vital documents

PDF Parsing Use Cases

The Electronic PDF Parsing Module enables greater efficiency for document-based processes such as:

- Mortgage Loan Packet Automation
- Receipt Automation
- Invoice Processing
- Redaction
- K-1 Tax Form Processing
- Sales Tax Automation
- Student Transcript Processing
- Merchant Statement Extraction