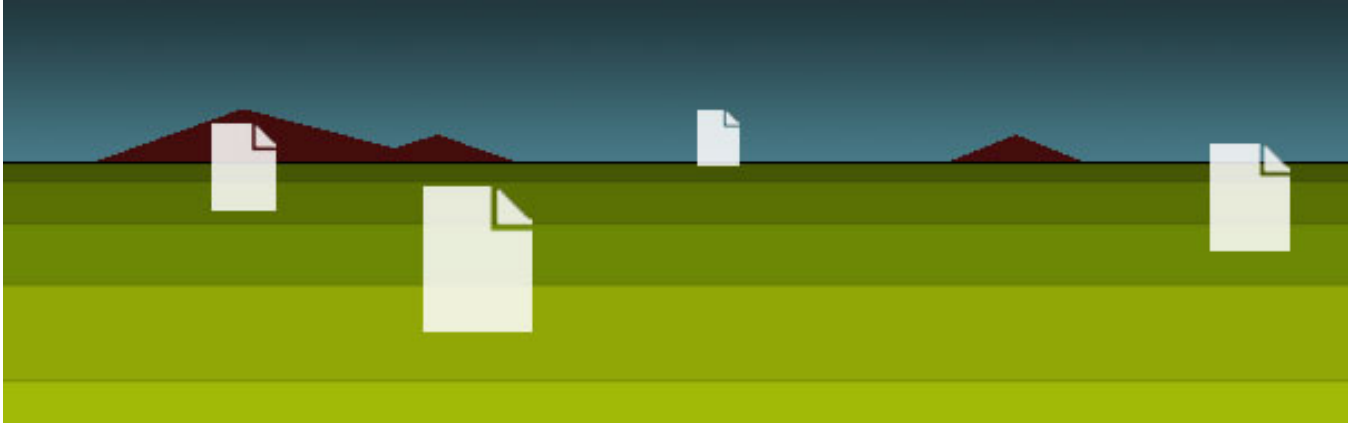


## SoftPaperScape Product Information



### KnowledgeShape

KnowledgeShape products are scalable frameworks for the small office or company department, and for large enterprises. Information, intelligence and knowledge repositories that span vast networks and information platforms can be integrated into the frameworks. The frameworks are used for search, crawling, indexing, site deployment, and paper and voice conversion. ScapeShape is used to publish completed platforms for visualization, search and collaboration. The following is a discussion about the KS crawl management framework.

### The Green Paperless office (SPS)

SPS is an paper conversion automation system that requires a network scanner or a FAX machine and the ScapeShape Intranet file access system. The user simply selects the go (send) button on the scanner or FAX. The rest is automated. Paper is fed into the scanner and automatically sent to a conversion repository where documents are converted and saved in the index of the search system. All scanned documents are created in a triplet structure (polytuplet) so that during search a user may click the original scanned Tiff document, a TXT converted version, and segmentation XML documents. The system is designed to be an easy to use document storage and conversion system. Interception of scanned documents for cleaning and editing is not required as the SPS application converts, stores, and splits the documents automatically. Automatic spell correction ensures even higher accuracy than available from normal OCR methods. See comments below for details on error detection.

### SPS zone

The SPS zone is used for viewing latest scanned documents and upload activity. The user may also use the file sharing and control zone to view scanned, sorted, and collated files by various scan and FAX users. All content is searchable whether

the system contains 100 documents or 100,000,000 making the search and archival issues of current day CD scan and conversion solutions obsolete. Noteworthy is that multiple private users may use the site for their paperless office solution. The system becomes an extensive internal Intranet file access site for its users. Existing network and computer based documents can be integrated into the file sharing system automatically, making all existing files together with uploaded paper converted documents searchable by all content. Unlike file name searching PatternScape provides search based on the total amount of information in existing documents and paper conversions.

### Uses

Anywhere paper archives can be converted to digital tiff format and stored and searched for quick access. Ideal for old content that contains value such as legal decisions, mining survey reports, diagnostic assessments, transactions, annual reports, invoices and financial disclosures, insurance and banking instruments. The list goes on. The system can be used for massive back file conversion to digital or as a real time feed and search system for day to day delivery and invoice reports for example. Simply place documents in the scanner, send to the destination folder from the panel Go button, and return to your office and web browser, anywhere, to view or search the results.

SoftPaperScape	#-IP Scanner	Synonym Error Correction	Auto-Sort & Collate	User Mgmt
SPS-1	1		✘	✘
SPS-2	1	✘	✘	✘
SPS-3	5	✘	✘	✘
SPS-4	10	✘	✘	✘
SPS-Enterprise	100	✘	✘	✘

### Handwriting conversion option for old written assets

User recorded Wav files and Tiff images of handwritten documents are integrated to facilitate searching these documents. Search results include the original handwritten Tiff image, a recorded transcription snippet file, and a text converted polytuplet (content) result. The user simply scans an image, reads as much of the handwritten document into his headset and the system integrates the handwritten Tiff and the voice transcription for search purposes. Pattern profiling search and conversion technologies render hand written documents as searchable assets. Note: any typed (form) content on a handwritten document is also indexed to facilitate search.

Naturally the transcription process can be as brief or long as user needs for searchable granularity. The user interface also allows for assigning a saved-snippet to all scanned documents within a project. Thus, snippet integration can be auto-integrated to scanned documents thereby increasing productivity of a batch conversion project.



Folder Name	Description	Boost
Shipping Labels	Warehouse Dept. Shipping Labels	0
Work Orders	Automotive Shop Work Orders	0
Doctor's Appointments	Scheduled Appointments for Doctor Jones	0
Technical Manuals	Systems Manuals for IT Dept.	0
Software Licenses	Software Licenses of IT Dept.	0
Resumes	Resumes submitted to HR Dept.	0
Office Memos	Management Memos for Marketing Department	0
Sales Contracts	Sales Department Contracts	0

### Embedded in the ScapeShape framework for rapid deployment

Packaged with search, forum discussions, RSS feeds, announcements, file sharing, and controls.

### Error correction

Error correction is performed automatically in a synonym mapping process where error words are mapped to correctly spelled words. Consequently documents are found during search even when a search term is stored incorrectly. Errors are pre-mapped to their correctly spelled equivalent.

### Automated sorting and collating folders

All documents are saved in folders based on content of the document. This is done using the PS DocMap process for mapping content and creating a folder system based on the mapped clusters. The administrator only need create a table of reference for the system to collate documents correctly based on content. For example, in a clinic application, doctor names would be root folders while patients' folders would be sub-folders. Clinical assessments, billings, treatments, Rx, notes and instruction folders would propagate below the patient folder; this is all done automatically based on the document content reference table.

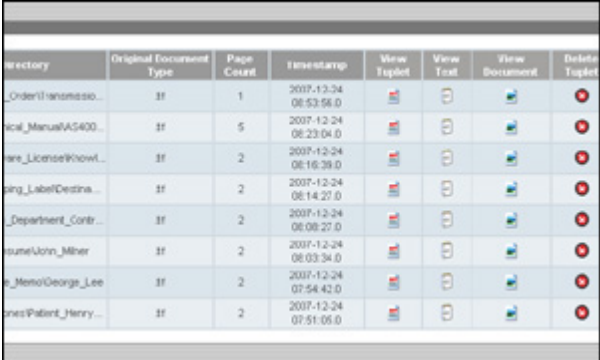
This provides for automated scan-and-convert archiving with collation and folder structuring (all this wrapped in an extensive search infrastructure). Regardless of the size of the archival or escrow project the system can save, index and search vast amounts of documents thereby providing an industrial class alternative to DVD (CD) storage and retrieval solutions.

### OCR

The OCR solution embedded in SPS has been tested against several OCR programs in the market and it was found to be a superior OCR conversion tool in two main ways: OCR accuracy, manual free operation and batch processing stability all of which are essential in automated paperless deployments. The OCR application, Character eyes, by Ligature Inc is embedded in SPS. Users of SPS are also given their extensive server based application interface for projects in which, zone based scanning and closer examination and repair of documents is useful.

### Scanners

The only type of scanner that can function with SPS is an IP based network scanner. The scanner must be able to operate without interference from post processing applications. The scanner must be able to send scans to a folder or ftp without having to pass through a pre or post processing software application. Thus the scanner operates in an automated "press and go" simplicity.



Directory	Original Document Type	Page Count	Timestamp	View Thumbnail	View Text	View Document	Delete Thumbnail
_OrderTransaso...	ff	1	2007-12-24 08:53:56.0				
ical_ManualAS400...	ff	5	2007-12-24 06:23:04.0				
are_LicenseKnowl...	ff	2	2007-12-24 06:16:39.0				
ing_LabelDestra...	ff	2	2007-12-24 06:14:27.0				
_Department_Contr...	ff	2	2007-12-24 06:08:27.0				
sumeJohn_Mlber	ff	2	2007-12-24 06:03:34.0				
e_MemoGeorge_Lee	ff	2	2007-12-24 07:54:42.0				
nesPatient_Herry...	ff	2	2007-12-24 07:51:05.0				

### Existing Scanner Assets

If you own a network scanner that can send scanned documents to ftp or folders (shares) we will help validate the functionality for SPS automation. Most importantly SoftPaperScope is an automated paperless system that is configured to reduce the complexity from scanner choices.

### Search

Pattern profiling search for your paperless deployment with the 2x2 Search Pad provides excellent search of large paperless archives and escrow repositories. Thus SPS converts valuable paper records into searchable and retrievable information and intelligence assets. SPS can also be used in unison with SPKS for search of voice-recorded documents.



### Containers

All scanned tiff files and converted PDF's are stored in paperless folders under ScapeShape paperless container file sharing and control. Containers are capable of containing folders for every user or designation determined by your IT staff.

### Internal Document Search and Archiving

Search large volumes of documents on desktop systems, servers, intranets and Internet sites for fast retrieval. Create document repositories for every department and profession. No special document management systems needed—simply install KnowledgeShape scanners, and search software and start.

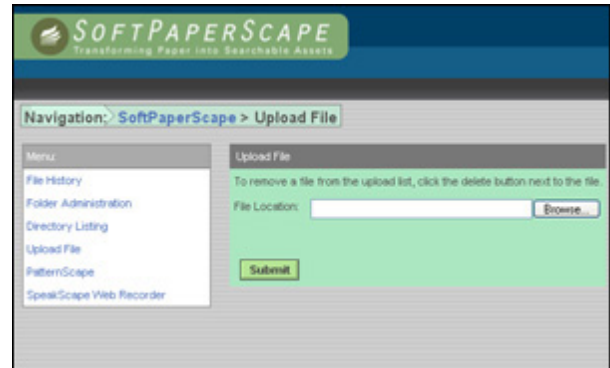
### Reduce cost of pulling documents from long-term storage firms

All documents are available by search as original scans and transcribed TXT formats. So why incur the costs of storage retrieval. Simply scan and save.

### Scanner and fax interface for rapid paper conversion and search

Feed paper into scanner and walk away. The system automatically indexes and stores documents for fast retrieval as tiff images and transcribed text files. The search system can operate with many millions of documents. Error correction is not required until

transcription is needed so scanning is instant. Nevertheless auto spell checking further reduces errors.



### Professional analysis and lookup (An instant retrieval vault for information, intelligence and decision support)

The KnowledgeShape family of products maps information regardless of record format or the servers and databases in which it resides. No special document systems are needed for creating the storage and search system. KnowledgeShape transforms existing paper and voice, and hard drive based records into searchable assets with advanced indexing and pattern profiling search:

### SoftPaperScope Contains

- Browser access of HistoryView for recent and longer term presentation of scanned documents
- The directory listing report for viewing the stored files in their folder based infrastructure
- The Tuplet file for viewing a scanned and dictation document with its components such as the original scanned tiff and its text content
- Search system for finding archived documents

### Multiple Indicators simultaneously searched

Users can search for multiple indicators that are in the content of documents. And the system will analyze internal and cross-department documentation, to find related records and office documents

### Privacy and Access while Searching

The level of access and visualization protection is turned on or off based on privacy restrictions within the firm, cross department-sharing networks. Otherwise records are available for viewing instantly.