

## SpeakScape 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.

### Voice notes and conversion archiving and retrieval

SPKS is an automated voice notes conversion infrastructure that requires a recording device that saves voice notes (WAV format). The user may also use a laptop or desktop PC, and a hand-held PDA recorder with wireless communication. The rest is automated. Wav files are either fed directly to the system for conversion or uploaded from the recording device for batch conversion. Documents are converted and saved in the index of the search system for searching exact content of recorded voice notes. All converted documents are created in a quadruplet structure (polytuplet) so that during search, a user may click the original converted recorded voice file, snippets (smaller pieces) of the file, a text file of the content and an XML file that binds all the various pieces of the converted voice note together. Features are described in detail below.

### Uses

Anywhere dictation or recorded messages can be taken, they are converted to a text format and stored for quick access using folders or pattern profiling search. SpeakScape is ideal for legal and medical dictations, sales and real estate reports, general dictation and writing, security observations, loan officer anti-fraud observations, police reports, etc.

SPKS can be used for batch archive conversion or as a real-time feed and search (profiling) system. Case files are paired to recorded observations or notes, for example. Simply upload voice recordings (notes) to the system or record directly and the system will automatically convert the voice notes for browsing and viewing or listening to results. Or use search to find snippets or full recordings with the content you are looking for. The transcriptionist can use the text files of each snippet or total converted file and begin editing and formatting processes.

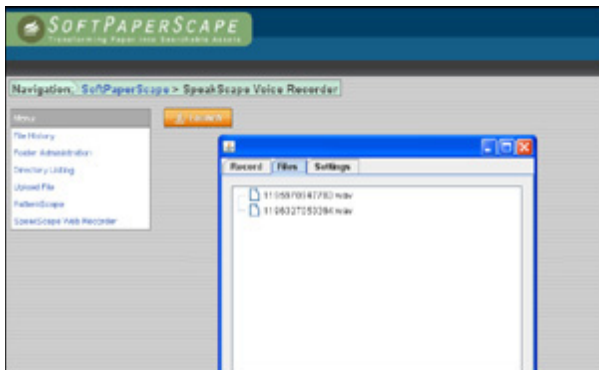
SpeakScape	# of Users	Error Correction	Auto-Sort & Collate	User Mgmt
SPKS-1	1		✘	✘
SPKS-2	1	✘	✘	✘
SPKS-3	5	✘	✘	✘
SPKS-4	10	✘	✘	✘
SPKS-Enterprise	100	✘	✘	✘

**Embedded in the ScapeShape framework for rapid deployment**

Packaged with search, forum discussions, RSS feeds, announcements, file sharing, and controls for an extensive Intranet access system for content of your voice notes, paperless converted notes and existing network and computer documents.

**Error correction**

Error correction is performed automatically in a synonym mapping process where error words under speech recognition are mapped to correctly spelled words. Consequently documents are found during search even when a search term is stored incorrectly as it has been mapped to the correctly spelled equivalent (spell-synonym).



**Large wav file splitter**

Wav files are split into snippets to facilitate search, find, and listening speed. The polytuplet presentation in search results includes the original wav file, its multiple segmented snippets, and a text converted PDF for analysis. This way, a user does not need to listen to long recordings to find results, rather he can review snippets for reconfirmation before using large converted files.

**Handwriting and voice conversion option**

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 PDF polytuplet 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 mapping 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.

**Automated sort and collating folders**

All wav documents are saved in folders based on the 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.

**Containers**

All recorded Wav files (voice notes) and converted TXT files are stored in SpeakScope folders under ScapeShape folders and containers for each user. Containers are capable of containing folders for every user or designation determined by your administrators.

**Search**

Pattern profiling search is through the 2x2 Search Pad providing excellent search and find capability for large paperless and voice notes archives. SPKS leverages valuable voice notes and interviews into valuable information and intelligence assets.

Processing Sequence	Uploaded Document Name	Directory	D
2609	Work_Order_Transmission_Repair...	\\office\Work_Order\Transmissio...	
2608	Technical_Manual_AS400_System0...	\\office\Technical_Manual\AS400...	
2607	Software_License_Knowledgeshap...	\\office\Software_License\Knowl...	
2606	Shipping_Label_Destination_Mon...	\\office\Shipping_Label\Destina...	
2605	Sales_Department_Contract_Know...	\\office\Sales_Department_Contr...	
2604	Resume_John_Miner0.tup	\\office\Resume\John_Miner	
2603	Office_Memo_George_Lee0.tup	\\office\Office_Memo\George_Lee	