

The Five Phases Of Capture

Presenters: David Jenness, Kevin Craine

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Your Presenters

Kevin Craine

■Author, "Designing a Document Strategy," sold in over 30 countries and host of the Document Strategy Podcast

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- ■25 years managing large document services organizations in the health care, pharmaceutical and aerospace industries
- ■Founding editor of "Document" magazine
- Managing director of Craine Communications Group

David Jenness

•Market Segment Manager, Document Imaging and Capture, IBM Software Solutions Group





- The Five Phases of Capture
 - -What are the 5 Phases?
 - -What are the benefits of each?
 - -How do you move from one to another?
 - -Use cases
- About IBM Datacap Taskmaster Capture
- About IBM Production Imaging Edition
- Q & A



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Document capture means many things to many people



The Five Phases Of Capture

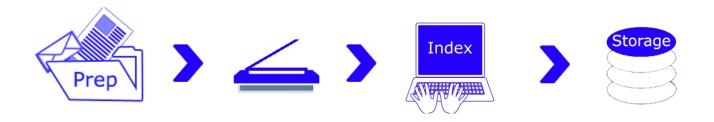
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1. Scan And Store

Capture drives Scanners, provides Key From Image

Scan and Store

- ✓ The First Phase of Capture involves presorting documents, scanning and adding indexes manually.
- ✓ Nearly every ECM software solution offers this type of capture with their ECM platform – many ship standard with ECM.
- ✓ Without document automation, each step involves manual labor



County Government Scans Healthcare Documents

"We've gotten rid of 16 file cabinets and two storage spaces and we've still got a long way to go!" — Administrative Assistant, County



- Scanning health and legal records going back 100 years to free up storage space.
- ✓ A Phase One capture system drives the scanners and presents each operator with several document types to choose from.
- Once the operator selects the document type from a dropdown menu, several data fields appear, which are manually entered for index purposes.
- ✓ The image is routed to an image repository and the paper can be disposed.

The Five Phases Of Capture

2. Basic Recognition

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1. Scan And Store

Add OCR and barcodes to Automate Indexing

Capture drives Scanners, provides Key From Image

Basic Recognition

- ✓ The Second Phase of Capture involves prepping documents and using basic recognition of barcodes, machine printed text or check boxes on separator sheets and document header information.
- ✓ The recognition is used to create the meta-data for indexing document images for efficient storage and retrieval in an ECM repository.



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Manufacturing Company Image-enables Human Resources



- A small manufacturing company is using a basic capture system to scan Human Resources documents, including applications, payroll, benefits, employee review and correspondence.
- Before scanning, each document type is separated and a document ID sheet with bar code and checkboxes is placed in front of it.
- When scanned, capture "reads" the separator sheet and applies the proper document ID and index data to the document that follows.
- Index data is checked by a verifier and the image is routed to storage

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Recognition-Assisted Indexing

Document Separator



Please select the valid policy "Bucket" (choose only one per Separator page):

1.	Original Policy	-003
2.	Post-Issuance Endorsements	\$23
3,	Post Binding Correspondence	22
4.	Coding Information	C.D
5.	Binder	0.33
6.	Pre-Binding Correspondence	4.00
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9.	Premium Finance Agreement	520

The Five Phases Of Capture

2. Basic Recognition

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1. Scan And Store

Capture drives Scanners, provides Key From Image

Add OCR and barcodes to Automate Indexing

3. Intelligent Data Extraction

Add Doc ID and Zonal OCR to Automate Transactional Documents

Intelligent Data Extraction

- ✓ The Third Phase of Capture involves prepping the documents and using advanced recognition to locate and extract typed and hand printed data from forms and "transactional" documents, such as invoices, claims, tax returns, and applications, etc.
- ✓ Intelligence comes from capture system's ability to manage variability with flexible document identification and data location methods as well as multiple recognition strategies.



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Intelligent Data Extraction Requires The Ability to Handle Variability

- ✓ Multiple strategies for identifying document types automatically
 - Pattern matching
 - ✓ Key word search
 - ✓ Image matching
 - ✓ Text analytics
- Multiple strategies for locating data on variable documents
 - Location rules
 - ✓ Pre-set zones
- Multiple recognition engines to extract:
 - Hand print
 - Machine print
 - ✓ Bar code and 2D bar code
 - Check box
 - Dual engines with voting

Dual Recognition Engines and Raise Accuracy by "voting"

Engine A

789012345VP6789

Engine B

789012345VP6789

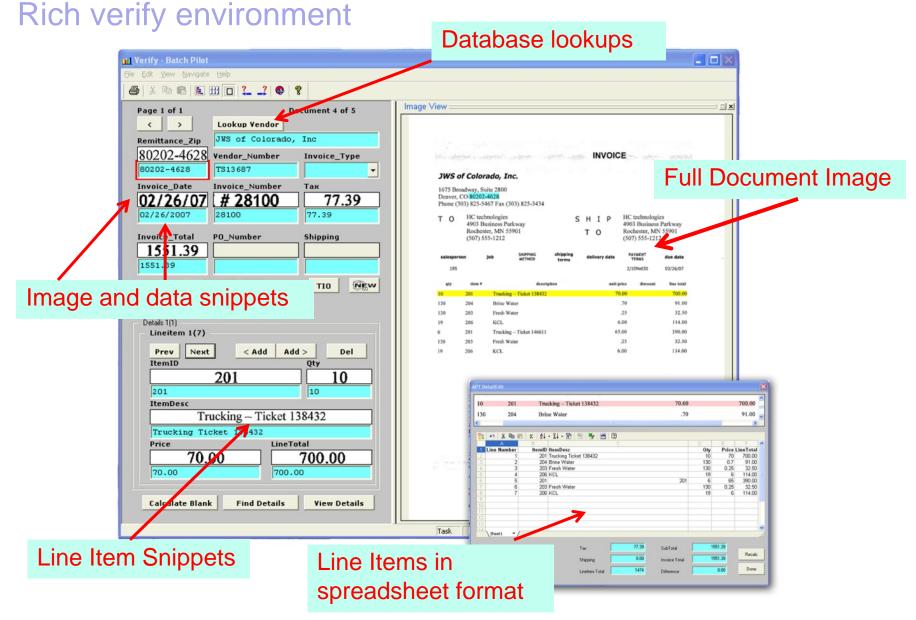
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Dow Jones & Company Automates Subscription Processing

"Asdvanced Capture enables us to scan and capture critical customer information and quickly process our subscription orders."

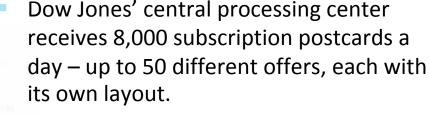
 Brian Gilmore, national manager of circulation service operations for Dow Jones











Each card has a unique 11 digit code beginning with the letter B.

Capture searches the document for the code, using intelligent location rules. With the number, Taskmaster retrieves the offer details associated with each card.

Capture extracts name and address and length of subscription information and passes it for processing.

Detailed reporting informs Dow Jones of its cash position at the end of each day.

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CEO Mack Pushes

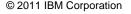
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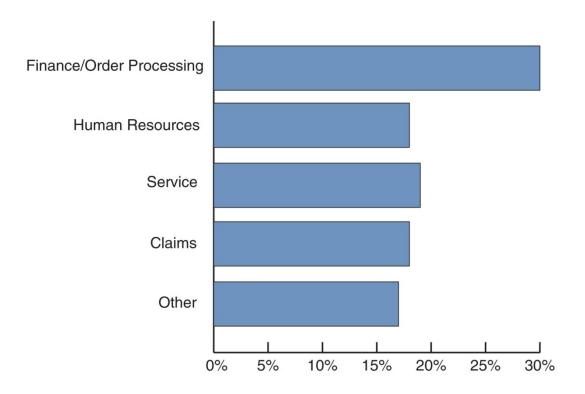
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Departments Where Capture Makes A Difference

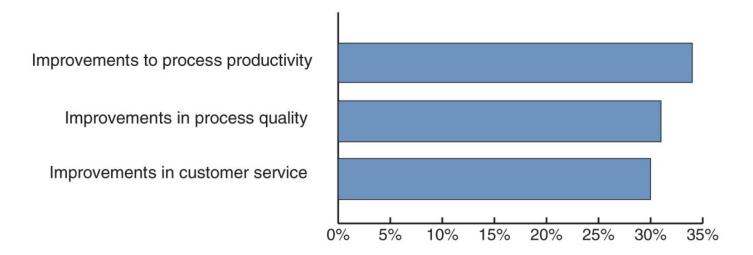
Which of your enterprise systems are capture-enabled and integrated at a process level?



Capture and Business Process. AIIM Market Intelligence. 2010

Intelligent Data Extraction

Which aspects of data recognition provided the best financial return on your investment?



Capture and Business Process. AllM Market Intelligence. 2010

The Five Phases Of Capture

4. Distributed Capture

Move Scanning and Verify out of the processing center to speed input and lower cost

2. Basic Recognition

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1. Scan And Store

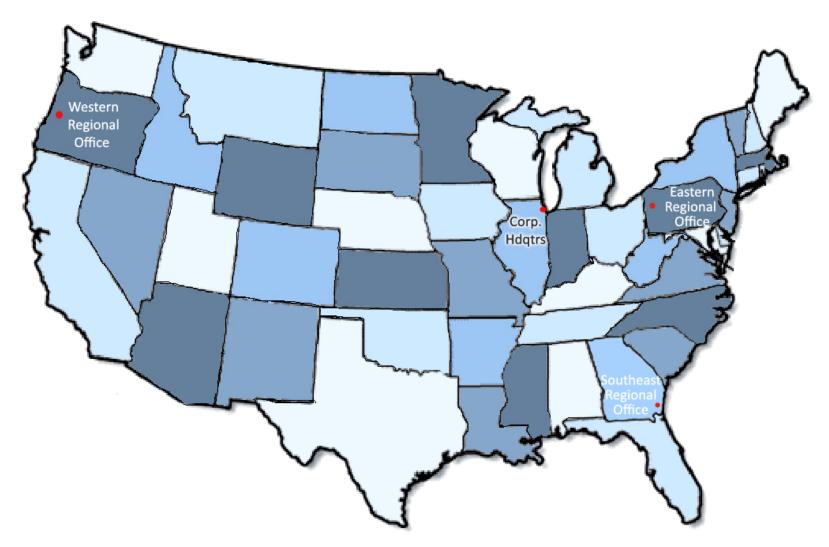
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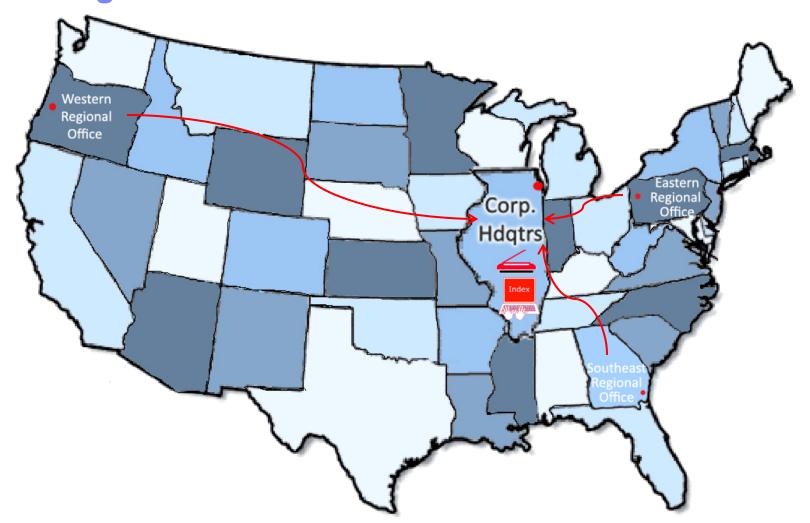
Add Doc ID and Zonal OCR to Automate Transactional Documents

Distributed Capture Scenario: A company has four offices in North America...

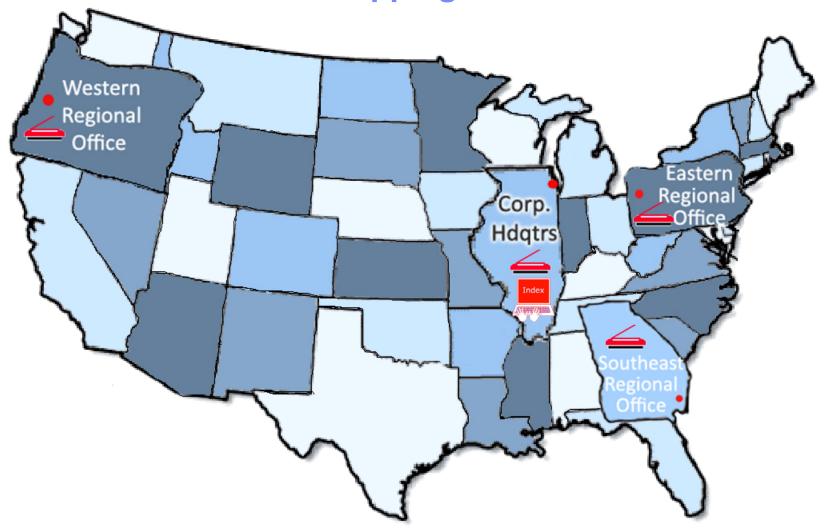


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1. Organization ships documents to headquarters for scanning in the central scan center

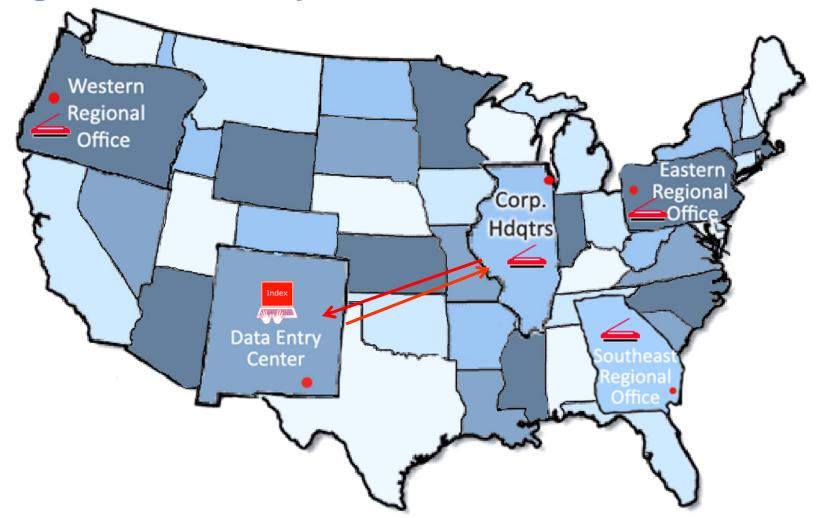


2. By scanning at the regional centers and sending images over the internet to headquarters, they eliminate document shipping costs and time



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3. By moving verify and indexing tasks to lower cost regional center, they save additional cost

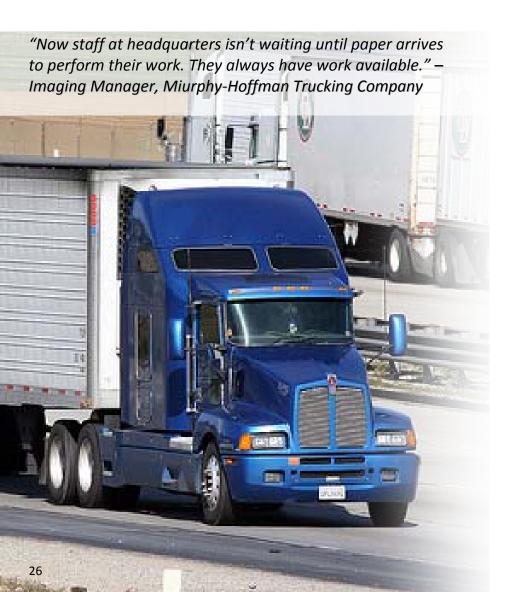


Distributed Capture Benefits

- Cost Savings
 - -Postage, overnight mail, presorting
 - -Documents lost in transit
 - -Move work to regions with lower wage rate
- Accelerate Processing Time
 - Immediate scanning and input
- Increase Accuracy
 - -People who generate documents have better knowledge
- Project Management
 - Overflow and spikes in volume
 - Migration to new processes

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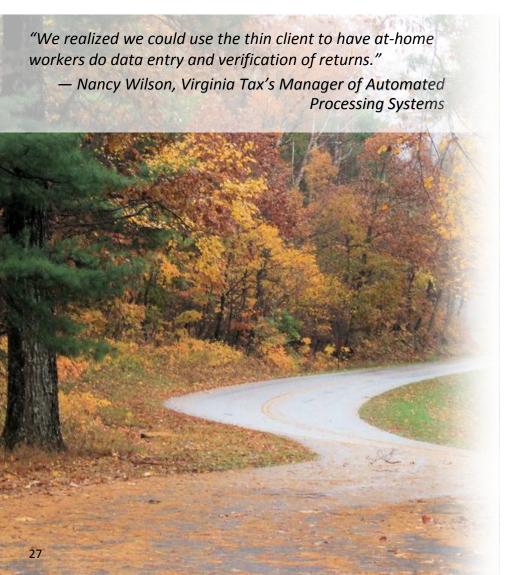
Murphy-Hoffman Trucking Company Eliminates Shipping Costs



- 65 regional sales and service centers throughout the Midwest
- Replaced overnight shipping expense with 65 scanners and browser-based scanning software
- Invoices, sales, lease and service documents are scanned as soon as they are generated
- Uploaded to Kansas City headquarters for processing and storage
- Now documents are available immediately
- Staff at headquarters no longer wait for documents to arrive
- Document shipping expense eliminated – MHC estimates that they save \$442,000 per year

Virginia Department of Taxation enables workers in low income areas

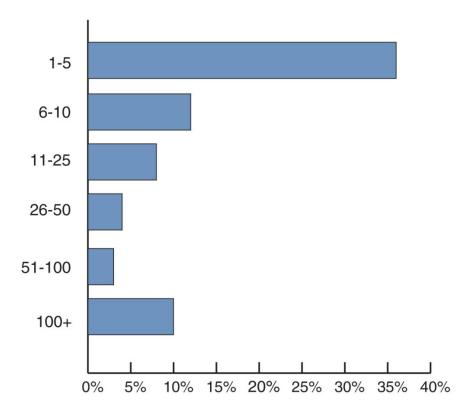
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- Processing 1.5 million paper tax returns every year, scanned in Richmond processing center
- Each captured return is presented to a verify operator who confirms data accuracy and fixes low confidence characters when needed
- Virginia passed a law in 2008 to stimulate jobs in low income areas
- Virginia Tax distributes a percentage of tax returns to Athome workers in low income areas using browser-based verify panel
- Distributed capture helps Virginia deliver on its economic pledge and provides Virginia tax processing staff with maximum flexibility

Distributed Capture Grows In Popularity

How many distributed capture sites do you have across your enterprise?



Distributed Capture Survey Report 2009. Datacap.

The Five Phases Of Capture

5. Enterprise Capture

Single solution for input of all documents from all locations – mailroom, department, branch, mobile, fax, email

4. Distributed Capture

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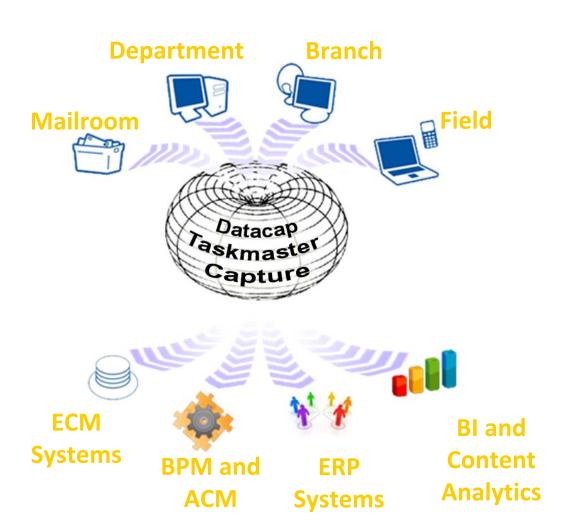
3. Intelligent Data Extraction

Add Doc ID and Zonal
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Documents

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Enterprise Capture

- A universal capture portal that can transform all documents
- Capture documents at every entry point in the Enterprise
- Input any mode for consistent processing rules
- ✓ Point and click capture process management enables clients to orchestrate complex capture solutions – without waiting for expensive programmers to build an application



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BlueCross BlueShield Health Insurer Captures All Documents

"I can see us adding new documents to our capture portal for a very long time."

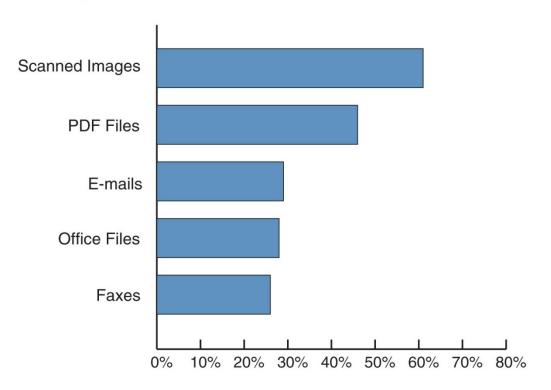
— Claims Manager, Major BCBS



- Purchased IBM Datacap Taskmaster
 Medical Claims Capture to automate input of 12,000 paper health claims a day
- Reduced labor by 50% and shrunk turnaround time
- Made a strategic decision to extend capture to other departments
- Began a process of adding one or two departments a year
- Now they are scanning 50,000 documents a day, including:
 - Contracts
 - Enrollments
 - Medical tests
 - Invoices
 - Human Resources
- Added remote scanning from 5 satellite offices
- Added fax capture
- Email and Electronic documents on horizon

Need To Input A Mix Of Documents

Which of the following content types are you processing for automatic capture of data?

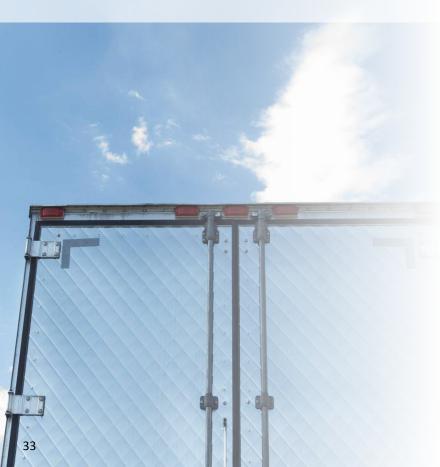


Capture and Business Process. AllM Market Intelligence. 2010.

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Global Logistics Company improves productivity and service

Represents the state of the art for capture today: capturing paper, fax and emails, distributed scanning from many different sites, with many rules-driven variations.



- 150,000 documents arriving every day from every source – mail, fax, email - and piling up rapidly as company prepared customs paperwork for shipments. Customs has many requirements for complete declaration at border crossing
- Deployed seven imaging applications enabling faster order processing with fewer errors
- Process ~600,000 pages per day in U.S. (~3,000 users) and expect to process ~4 million pages per day (~10,000 users) globally.
- Company is able to move more shipments across borders with 30% less resources with reduced lost documents and data errors while also improving cycle times and accuracy.



IBM Datacap Taskmaster Capture

The Enterprise Capture Platform

The AIIM 2011 Capture Software Product Survey

April 2011 - IBM Datacap Taskmaster Capture scored the highest total score for Transactional Batch Capture based on 12 categories:

- 1. Ease Of Use
- 2. Ease Of Roll Out/Scalability
- 3. Ease of Configuration/Customization
- 4. Security
- 5. Strategy
- 6. Stability/Bugs
- 7. Integration
- 8. Community and Channel
- 9. Support/Maintenance
- 10. Value for Money
- 11. Standards
- 12. Application Development

IBM DataCap Taskmaster

4.1

4.2

4.3

4.7

4.2 4.3

3.9

4.2

4.3

4.2

IBM Datacap Taskmaster Capture 8.01

- Advanced capture capabilities for the network or the browser
- Production Document Capture
 - Central (corporate or mailroom-type)
 - Departmental
 - Web-based distributed deployments
- Open Rules Processing System empowers the end user to orchestrate capture systems with a point and click interface
 - Input from scanners, MFDs, folders, Fax, email and electronic
 - Image enhancement to optimize recognition
 - Document ID and classification
 - Data extraction using OCR, ICR, OMR, barcode 1D and 2D technologies
 - Validates data including lookups (and retrievals)
 - Intuitive User Interface for data entry, edit and verification
 - Learns from human operator handling of exceptions
 - Thin and thick clients have same functionality
- Rich administration tools
 - Web-based monitoring and administration
 - Extensive Reporting

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Support for IBM ECM Repositories Standard

- IBM FileNet Content Manager (P8)
 - Tight handoff of data and images
- IBM Content Manager (CM8)
 - Uploads PDFs or TIFFs
- IBM FileNet Image Services
 - Uses IBM FileNet IDM Desktop Client
- IBM Production Imaging Edition
 - One product for the complete lifecycle of imaging from capture to repository to BPM to sophisticated viewer
 - Plus...
- IBM FileNet Capture Professional
 - Add automation and thin client distributed capture to existing IBM FileNet Capture installations

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IBM Datacap Taskmaster Addon Components

- Datacap Taskmaster Accounts Payable Capture
- Datacap Taskmaster Medical Claims Capture
- IBM Datacap Rulerunner Enterprise for increased performance
 - Support for multi processor systems
 - Server-based Fingerprint processing
- Connectors for eMail and Electronic Documents
 - Provides ability to convert Microsoft Word, Excel, Outlook, PDF, and multipage
 TIFF files to single page TIFF files for capture processing
- Connector for Fax
- Connectors: EMC Documentum, Microsoft SharePoint and OpenText LiveLink
- Recognition support for major European languages (single-byte, Latin 1-4 code pages)





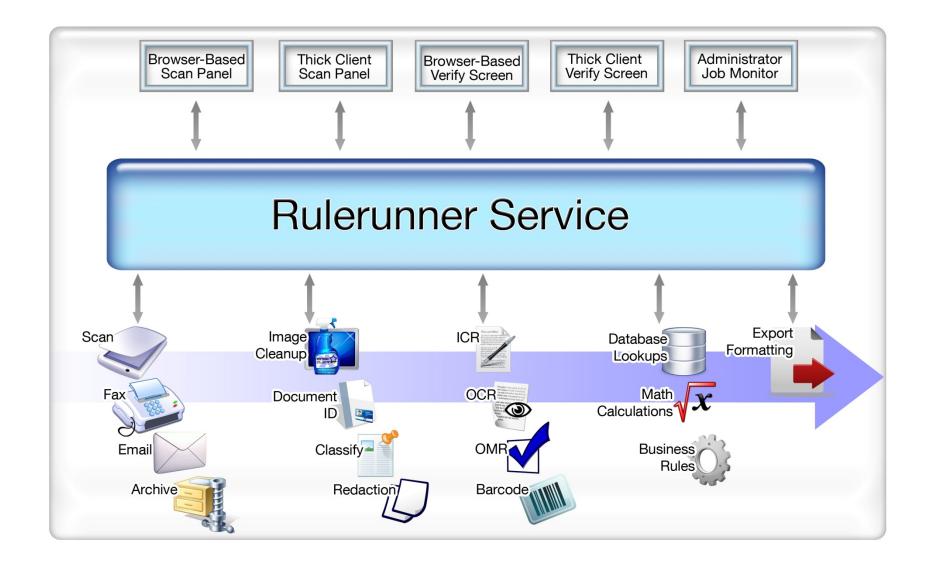




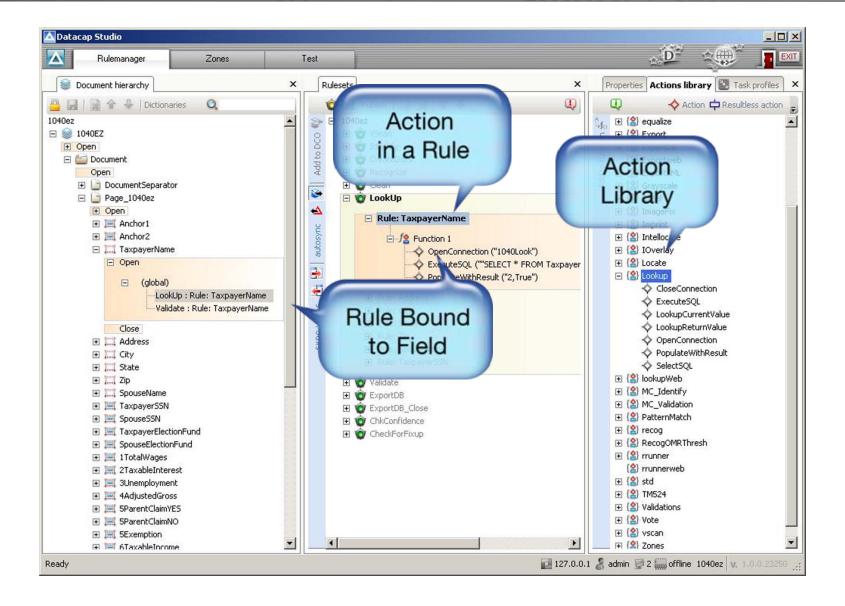








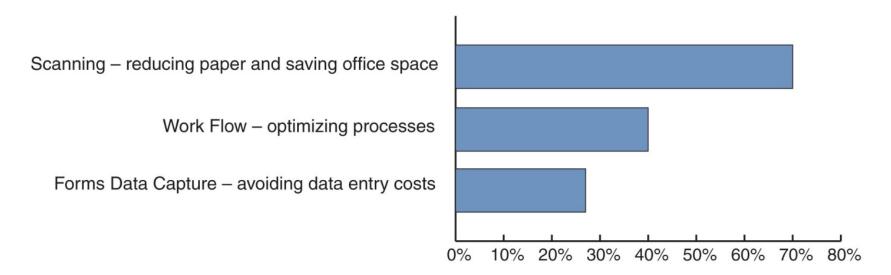
IBM



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Where Is the ROI?

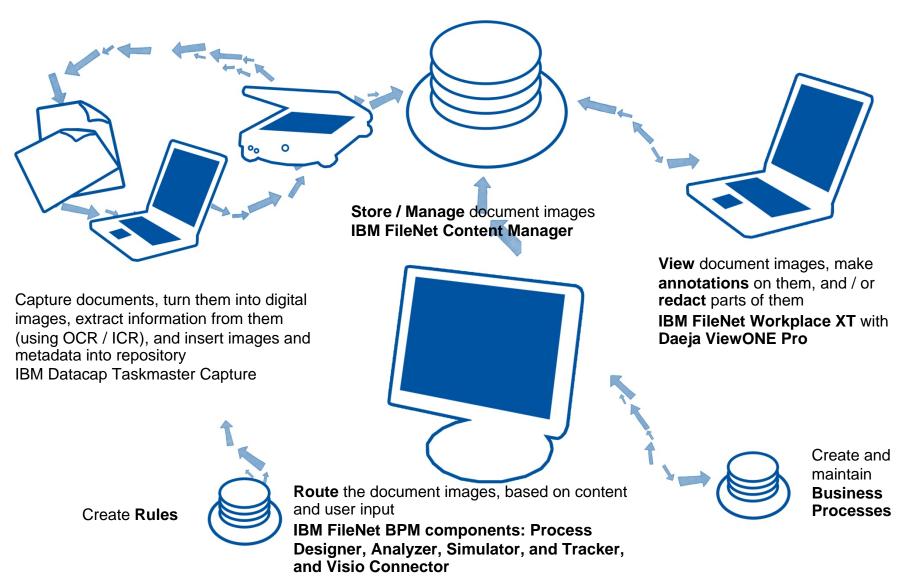
Which aspects of scan and capture have produced the highest return on investment?



Capture and Business Process. AIIM Market Intelligence. 2010

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IBM Smarter planet Comparter and IBM

Q & A

Learn more

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