



Document Alchemy

Capture Documents From Anywhere
and Create Business Value

Harpreet S Dhariwal
Advisory IT Specialist



@hsdhariwal

Documents contain key business information

 **Banking**

- Account opening
- Lending applications
- Investment reports
- Regulatory & Compliance

 **Government**


- Benefits management
- Social services
- Permits and licenses
- Program enrollment
- Records Management

 **Insurance**

- Claims Processing
- Underwriting
- Enrollment
- Appraisals
- Investigations

 **Healthcare**

- Medical claims
- Patient Onboarding and discharge
- Prescription Processing
- Health record

 **Energy & Utilities**

- Account Opening
- Permits & Planning
- Correspondence
- Applications
- Regulatory & Compliance

Cross Industry

- Accounts Payable
- Invoice processing
- Human resources
- Licensing & Certification



Businesses still struggle to extract information from documents

19%

Report an increase in the amount of paper they process annually

42%

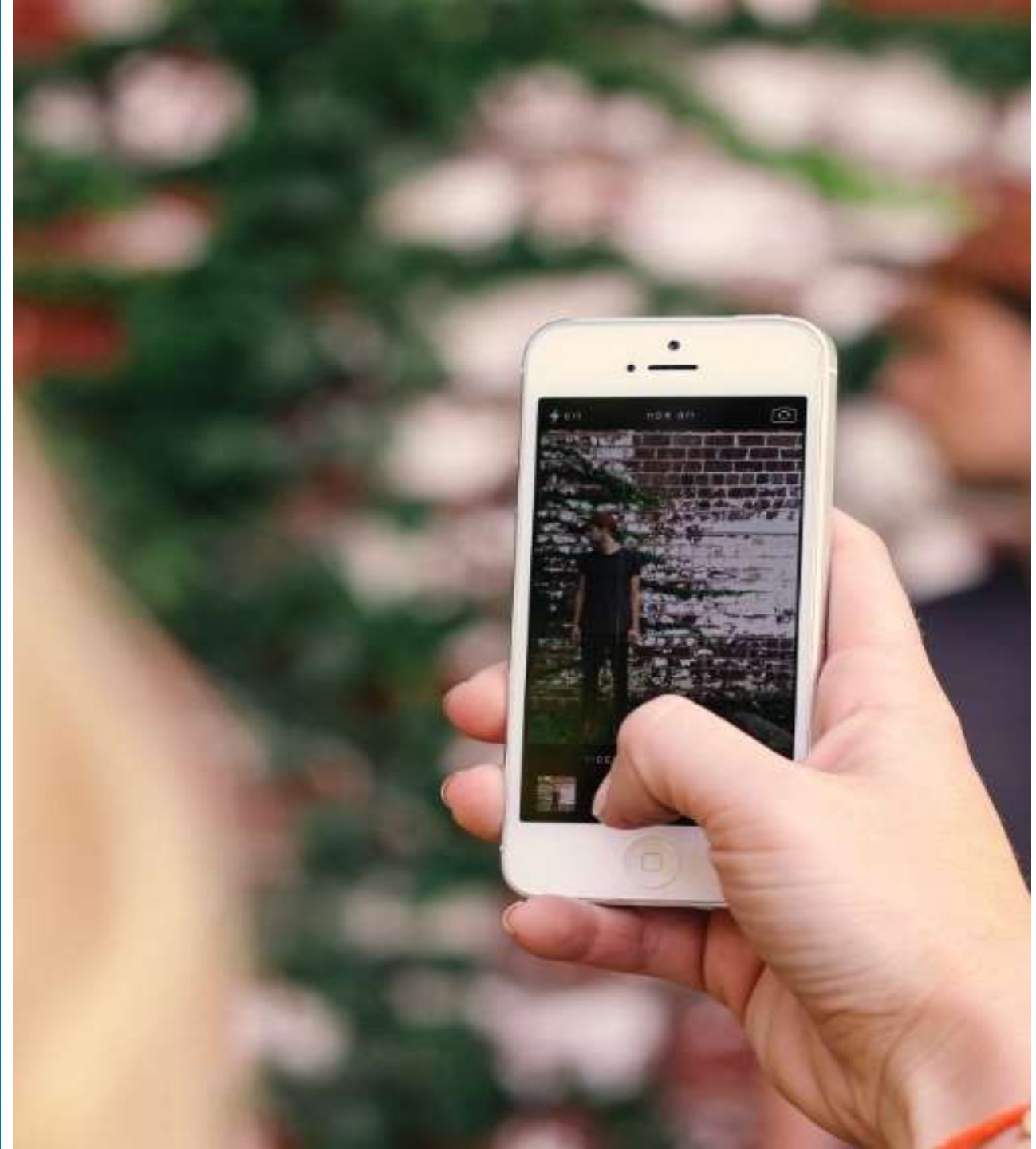
Describe their biggest content problem is dealing with multiple unstructured inputs and connecting them to key systems

13%

Process electronic documents like PDF by printing – and then scanning them back in.

IBM Analytics

Forward- looking
companies
are pushing document
capture to the edge of
the enterprise



Distributed Capture

Attacking business problems at the source has benefits



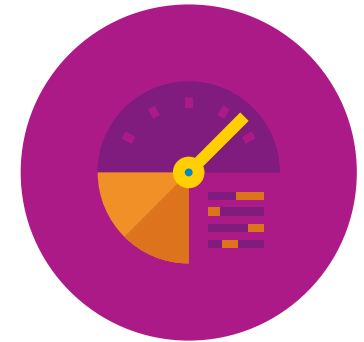
Engage

Business processes and response to customer requests by automating data extraction from documents



Digitize

Paper at the point of origination. Reducing manual paper handling results in major cost savings.



Accelerate

Customers and employees effectively, immediately and over their preferred communication channel.



IBM Datacap

Extracting value from business documents



Multichannel capture—across mobile devices, scanners, email, fax—is the first step



Automated Document Identification, Data Extraction and Classification for fast & accurate document processing



Deliver business information quickly to workers and business processes to provide better customer service and improve competitiveness

Datacap Mobile Capture

Respond to elevated expectations and create value out of immediacy



Capture and process documents from anywhere on any device



Easily and effectively tailor interactions to the individual user



Securely upload into business applications and document repositories

Snap and Submit Documents On-the-Go

Automatic edge detection, quality control and on device indexing



Secure distributed capture with common, easy-to-use devices





IBM Datacap

Extracting value from business documents



Multichannel capture—across mobile devices, scanners, email, fax—is the first step



Automated Document Identification, Data Extraction and Classification for fast & accurate document processing



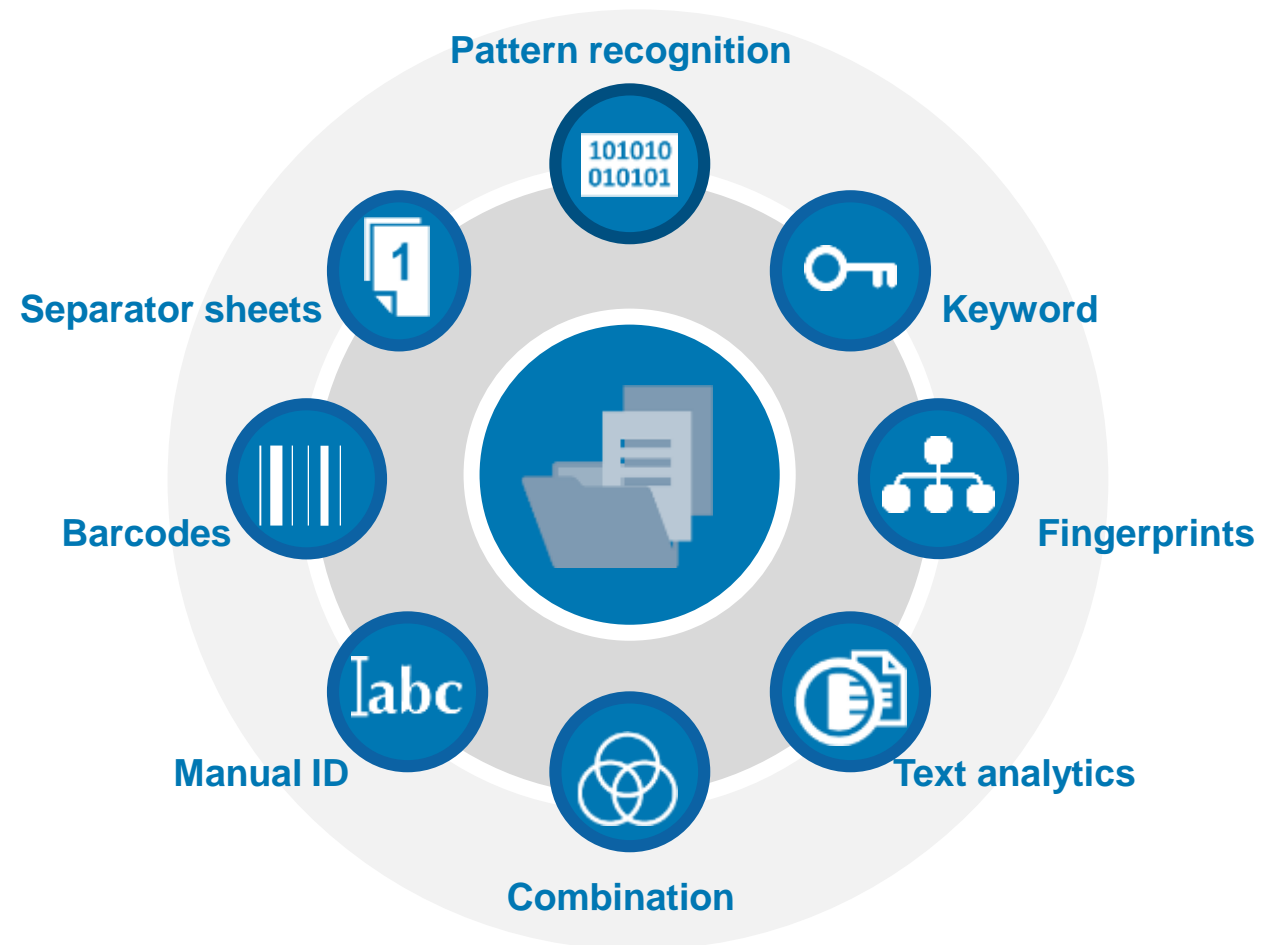
Deliver business information quickly to workers and business processes to provide better customer service and improve competitiveness

Automatically Identify & Classify Documents

IBM Datacap offers multiple methods for document classification

Apply one or more method to identify and classify incoming documents.

Then, automatically apply business rules with the goal of accurate, hands off & straight through processing



Automatically Identify & Classify Documents

Optical character recognition for more accurate data extraction

Xin Cube Inc
380 Francisco St
San Francisco
CA 94133

Invoice
Invoice No: INV10100005
Date: 19-Oct-2010

Vendor name & info

Bill To John
Synex Inc
128 AA Juanita Ave
Glendora
CA 91740 US

Phone: Fax:

Invoice number & date

Ship To John
Synex Inc
128 AA Juanita Ave
Glendora
CA 91740 US

Phone: Fax:

Sales Person	Order No	Shipping Date	Shipping Terms	Terms	Currency Code
Charles Wooten		19-Oct-2010		30 Days	USD

Qty	ID	SKU / Description	Unit Price	Amount
6.00	PS-V860.05	AMD Athlon X2DC-7450, 2.4GHz/1GB/160GB/SMP-DVD/VB	580.00	3,480.00
4.00	PS-V880.37	PDC-E5300 - 2.6GHz/1GB/320GB/SMP-DVD/FDD/VB	645.00	2,580.00
10.00	DL-V890.02	US 18.5" WLCD	230.00	2,300.00
1.00	HP.Q754.71	HP LaserJet 5200	1,100.00	1,100.00

Sub Total	Discount	Shipping	Total
9460.00	0.00	0.00	9933.00
GST			Deposit
473.00	0.00	0.00	0.00
			Amount Due
			9933.00

Note:
Thanks for your business!

Extract index information from the document image; use in application

- Enterprise resource planning
- Accounting system
- Customer resource management

Populate business systems with key data



- Workflow
- Adjudication
- Order processing
- Business intelligence

Automatically Extract Important Information

Apply to information types that are important to YOUR business

The screenshot displays the IBM Content Navigator interface for document verification. The top navigation bar includes 'Job Monitor' and 'Verify' tabs. Below the navigation bar is a toolbar with buttons for 'Submit', 'Hold', 'Previous Page', 'Next Page', 'Previous Problem', 'Next Problem', 'Next Low Confidence', and 'Run Validations'. The main content area is divided into two sections: 'Image Viewer' and 'Field Details'.

Image Viewer: Shows a scanned check with the following details:

- Bank: XYZ Banking, Main Branch, 234 Some Street, Some Town, WW1, P23
- Date: 07/10/14
- Pay to: JOHN SMITH
- Amount: Nine pounds only, £ 9.00
- Signature: Miss J Doe
- MICR line: ⑈018190⑈ 998877⑈ 98765438⑈

Field Details: Shows extracted data fields:

- Courtesy Amount Numeric: 9.00
- Legal Amount Numeric: Nine pounds only
- MICR: ⑈018190⑈ 998877⑈ 98765438⑈
- Cheque Number_MICR: 018190
- SortCode_MICR: 998877
- Account Number_MICR: 98765438
- Signed: Miss J Doe (with signature image)
- Passed: No Yes

Annotations on the screenshot highlight 'Handwriting' on the amount field and 'MICR' on the MICR line. A 'Signature Verification' label is placed at the bottom of the signature field.



IBM Datacap

Extracting value from business documents



Multichannel capture—across mobile devices, scanners, email, fax—is the first step



Automated Document Identification, Data Extraction and Classification for fast & accurate document processing



Deliver business information quickly to workers and business processes to provide better customer service and improve competitiveness

The Right Information to the Right Place. Quickly. Accurately. Automatically.

Images and information are delivered in context to Case Management, ERP, HR and other systems.

Supports IBM and other content repositories.

The screenshot displays a SharePoint interface. At the top, the 'SharePoint' header is visible with the user 'jdunn' and a settings icon. Below this, there are navigation options like 'BROWSE' and 'PAGE', and a search bar labeled 'Search this site'. The main content area is titled 'Focus Corporation' and 'Browse'. It shows a 'Documents' section with a 'Recent' list of documents under the 'Contracts' folder. A table lists these documents with columns for Name, Size, Modified By, Modified On, and Major Version.

Name	Size	Modified By	Modified On	Major Version
Contract Agreement 21-11345	90KB	jdunn	10/15/2013, 12:03 PM	1
Contract for Lease 21-11345	100KB	jdunn	10/10/2014, 2:03 PM	1
Services Contract 21-11345	720KB	chall	09/20/2014, 2:25 PM	1
Partnership Agreement 21-11345	110KB	psmall	07/25/2014, 10:00 AM	1

Below the document list, there is a data entry form with fields for 'Driver Name' (John Doe), 'Vehicle Brand' (BMW), 'Vehicle Model' (320i Sedan), 'Model year' (2014), 'Cash Price' (\$52,700), 'Down Payment' (\$10,000), and 'Amount Financed' (\$42,700). To the right of the form, there is a 'Gross Wages' field with the value '2,583.33' and a 'System Properties' section. At the bottom, there are 'Save' and 'Reset' buttons, and a status bar indicating 'Trusted sites | Protected Mode: Off | 100%'.



Capture, Activate and Engage with IBM Mobile ECM Capabilities

Smarter Content, Smarter People. When you need it, it's there.



Access Content

Synch content for offline access, browse folders, search and edit documents



Case Management

Participate in cases everywhere, take advantage of mobile location services, no change required to existing desktop solution



Document Capture

Use common devices to capture documents and forms, perform image correction and OCR, classify and store

The clear market leader in Enterprise Content Management

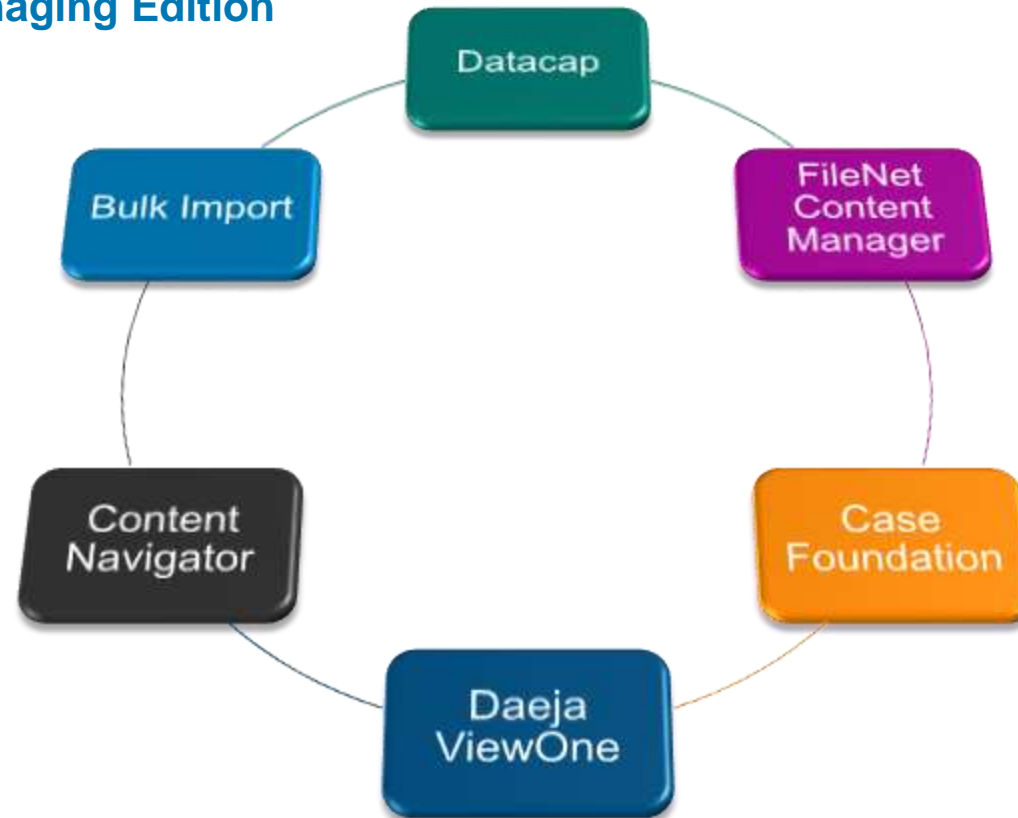
“ A growing opportunity for IBM lies in building smarter ECM infrastructures. These industry initiatives span enterprises and ecosystems. ”



Source: Gartner, Magic Quadrant for Enterprise Content Management, September 2014

Providing all the components required for an Advanced Imaging solution within a single vendor offering

IBM Production Imaging Edition



The Next Generation of Capture with IBM Datacap

Ongoing deliveries of new functions & capabilities through 2015



Accelerating Mobile.

Capturing documents from anywhere, with any device



Transactional Capture.

Integration of capture and document processing as services in line with business processes or applications



Cognitive Capture.

Identifying, understanding and unlocking the business value contained in free-form documents.



Union Bank



“
Now we can use a document to start a process and the IBM Case Manager workflow modeling capabilities put control in the hands of the business.
”

– Albert Pena, Vice President of Bank Operations
Union Bank, N.A.

70% ROI

within 18 months of implementing document capture

Days to minutes

reduction in process speed with virtually 360-degree customer view

Months to weeks

in time saved deploying new workflow-automation applications



Move your organization to the next generation of capture with IBM Datacap



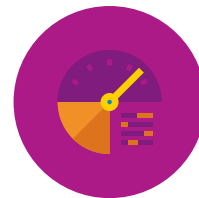
Engage

Communicate with customers effectively, immediately and over their preferred channel



Digitize

Reducing manual processing results in major cost savings



Accelerate

Faster cycle times thrill customers, help the bottom line

