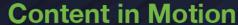
IBM SolutionsConnect 2013

Turning Opportunity into Outcomes.



Content in Motion Event Introduction

Dominique De Coninck



Smarter Content. New Insights. Better Outcomes.



Agenda

10h00 Plenary Session

- Welcome
- Executive Address over Strategy & Roadmap John Greene

11h00 Roundtable discussions

- Document Imaging & Capture Simon Williams
- · Content Analytics Frank Driessen
- Advanced Case Management Chris den Hoedt
- Information Lifecycle Governance & Defensible Disposal Frank Driessen

11h50 Closing

12h00 Networking lunch - ECM - E-Corner

Acquisition strategy

IBM is buying

- IBM has acquired more than 100 companies since 2003, with more than 60 of them in the IBM Software Group
- IBM acquires companies to fill product portfolio gaps and enter new markets

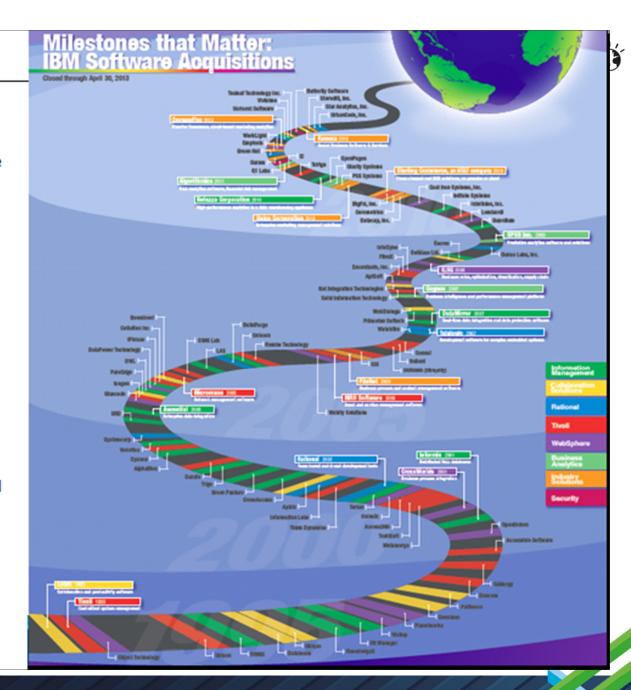
Objective: faster growth inside

IBM vs. standalone business

- Revenue acceleration
- Revenue synergy

Performance of acquisitions over past five years

- Exceeding targets
- Improved overall IBM operational efficiencies



1

Building Capabilities – Industry Solutions



Recent acquisitions

Sterling Commerce

Selling, order mgmt, supply chain mgmt | 2010

Enterprise Content Management



Data & document capture | 2010



Stored Big Data mining for improved information economics | 2013

Legal & Information governance | 2010

Enterprise Marketing Management



Web analytics | 2008



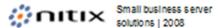
Customer Experience Management | 2012

Enterprise marketing mgt. | 2010 Pricirumicanotion and product mix optimization | 2012

Procurement



Social Collaboration





Hosted, multilingual e-mail service | 2009

Smarter City Operations



Intelligence analytics



Social enterprise management | 2011

Talent and Workforce Management



Management | 2012

Shifts in the ECM marketplace

IBM

Content is exploding
Greater volume, variety and velocity





- 2 Content is valuable Increasing opportunities to activate & analyze
- Content is at work
 Clients expecting high-value solutions









IBM SolutionsConnect 2013

Turning Opportunity into Outcomes.



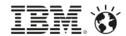
IBM ECM Roadmap and Strategy

John Greene



Smarter Content. New Insights. Better Outcomes.

Please note



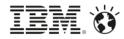
IBM's statements regarding its plans, directions, and intent are subject to change or withdrawal without notice at IBM's sole discretion.

Information regarding potential future products is intended to outline our general product direction and it should not be relied on in making a purchasing decision.

The information mentioned regarding potential future products is not a commitment, promise, or legal obligation to deliver any material, code or functionality. Information about potential future products may not be incorporated into any contract. The development, release, and timing of any future features or functionality described for our products remains at our sole discretion.

Performance is based on measurements and projections using standard IBM benchmarks in a controlled environment. The actual throughput or performance that any user will experience will vary depending upon many factors, including considerations such as the amount of multiprogramming in the user's job stream, the I/O configuration, the storage configuration, and the workload processed. Therefore, no assurance can be given that an individual user will achieve results similar to those stated here.

Leading organizations rely on IBM ECM INCOME.





24 out of the top 30 banks worldwide*

15 out of the top 16 telecommunications companies worldwide*

19 out of the top 23 insurance companies worldwide*

56 of the top 58 government agencies*

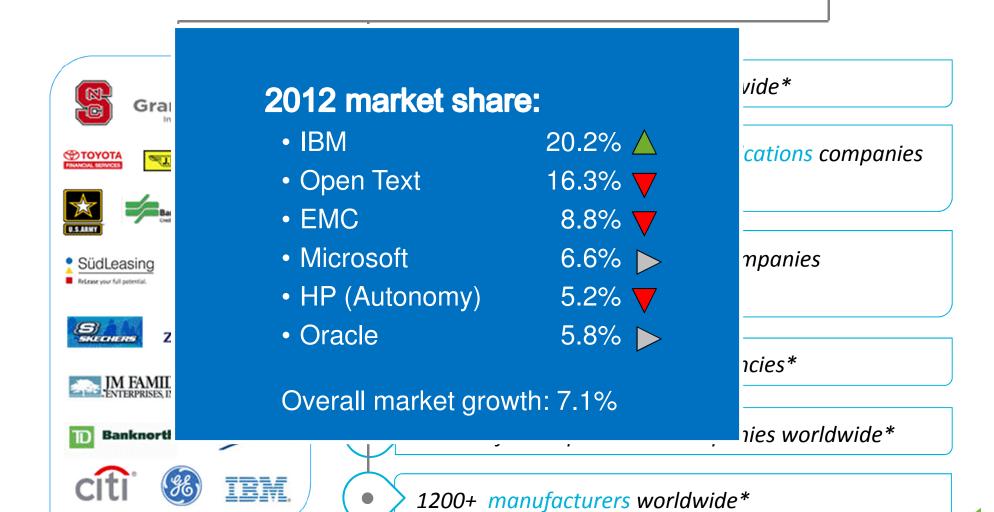
21 out of the top 27 retail companies worldwide*

1200+ manufacturers worldwide*

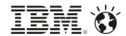
^{*} Lists of top companies/agencies sourced from Dun & Bradstreet Worldbase. ECM customer information sourced from IBM Finance.

Leading organizations rely on IBM ECM IMAGE TO THE STATE OF THE PROPERTY OF TH





^{*} Lists of top companies/agencies sourced from Dun & Bradstreet Worldbase. ECM customer information sourced from IBM Finance.



High Value Solutions built on best-of-breed capabilities

CAPTURE

and gain control of the content to determine the value

ACTIVATE V

and put the content in context

SOCIALIZE

for better collaboration and access

ANALYZE

and identify patterns to gain insights

GOVERN

for reduced cost and risk



Capture

- Document capture automation
- Production imaging
- Enterprise report management
- Platform standardization and consolidation

Activate

- Comprehensive case management
- Integrated collaboration and rules
- Case analytics
- Document centric workflow

Socialize

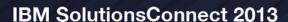
- Office document management
- Social content and collaboration

Analyze

- Content analytics and assessment
- Enterprise search
- Content classification and tagging
- Master content



- Smart archive
- Records and retention management
- eDiscovery
- Disposition and governance

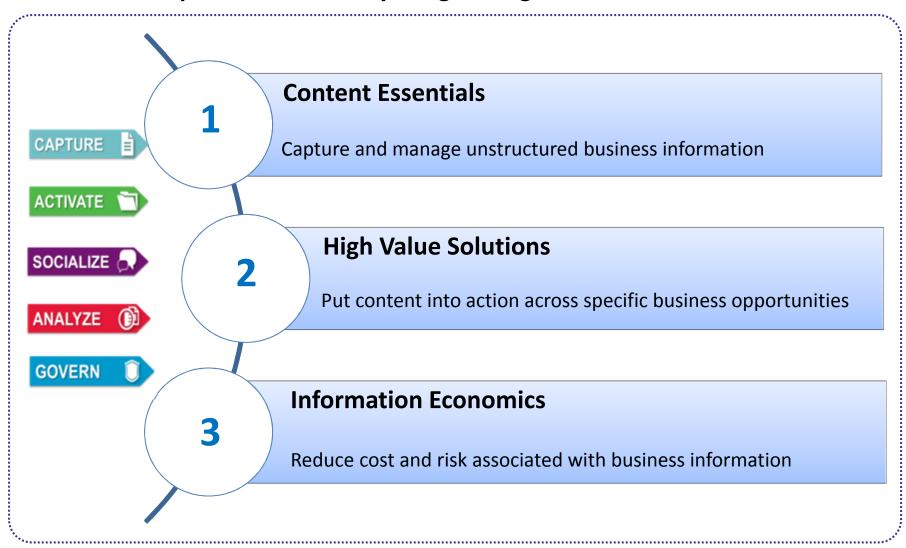


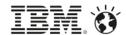
Content in Motion





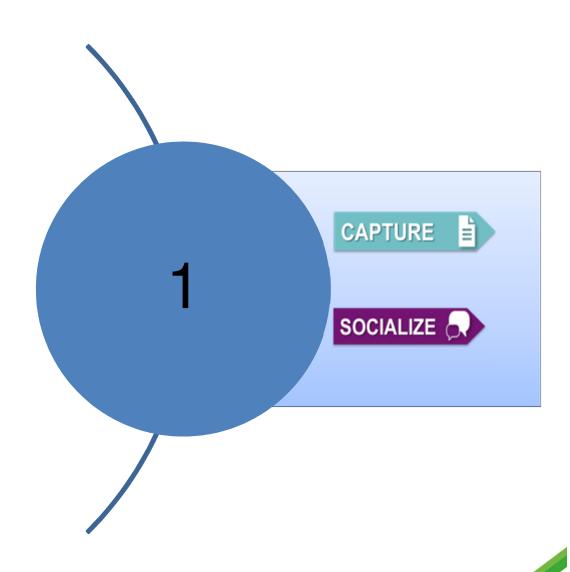
ECM Portfolio spans three Primary Usage Categories

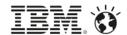






Content ESSENTIALS





Key Buying Occasions

ECM Consolidation / Standardization

Establishing a common platform for enterprise content management services. Consolidating vendors and establishing shared services to save cost and improve enterprise infrastructure capabilities

Capture and Imaging solutions

Automating the life cycle of paper-based documents from capture to business process to archive.. reduced costs and faster cycle times

eBilling and Enterprise report management

Using digital archive and statement presentment for cost savings & improved customer service

Smarter Workforce – Social content solutions

Improving workforce effectiveness by adding social capabilities to content-related processes. Managing and governing social content for reduced cost and risk.

Apache Energy

Enabling cost reductions through Platform Consolidation

The need

- Respond to acquisitions resulting in the inheritance of diverse content repositories.
- To prevent content silos from disrupting access to enterprise content

The solution

- Consolidate content from non-IBM repositories into FileNet Content Manager
- Leverage content migration to move content into FileNet Content Manager
- Leverage content Federation Services to federate metadata into FileNet Content Manager

The benefits

- Improved access to enterprise content
- Reduced costs by consolidating content
- Improved productivity by simplifying IT infrastructure
- Reduced costs by implementing business processes which could leverage all enterprise content
- Implemented an Information Lifecycle solution based on the FileNet Content Manager platform.

"Apache Energy met it's objective of having an true and complete Enterprise management solution by implementing FileNet Content Manager and related P8 offerings such as IBM Case Foundation and IBM records management solutions.





Invacare Corporation Automates Accounts Payable

"Processing is much faster and invoices are almost immediately available as electronic images."

 Seth Linebrink, Manager of Financial Reporting and Accounts Payable, Invacare



- Global health equipment manufacturer
- Thousands of paper invoices every day
- Replaced a manual process with Datacap Accounts Payable Capture
- Eliminated double data entry: once into Oracle and again to index for ECM storage
- Replaced a paper process with a digital solution
- Results:
 - Improved customer service
 - Improved vendor relations
 - Accelerated payment process
 - Eliminated data entry headcount
 - Reduced cost



Market Leading Offerings

ECM Consolidation / Standardization

- IBM Content Navigator 2.1
- IBM FileNet Content Manager 5.2
- IBM Content Manager 8.4.3

Capture and Imaging solutions

- IBM Datacap Taskmaster 8.1
- IBM Production Imaging Edition 5.2

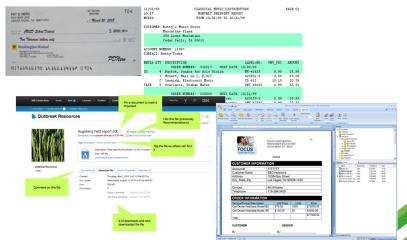


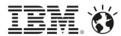
eStatements and Enterprise Report Management

IBM Content Manager OnDemand 9.0

Smarter Workforce – Social Content Solutions

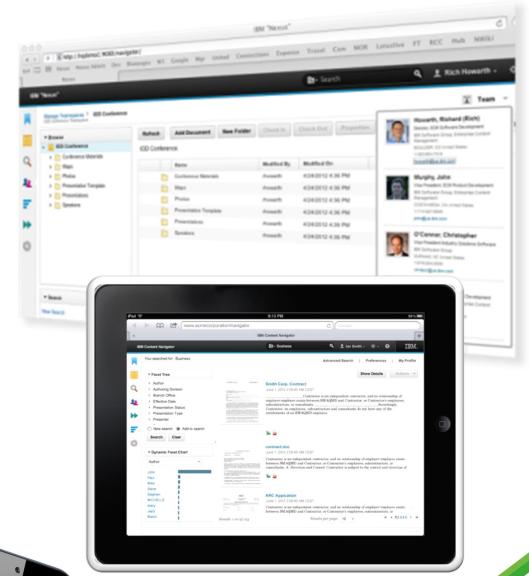
- IBM Connections Content Edition
- IBM Connections Enterprise Content Edition

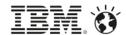




IBM Content Navigator

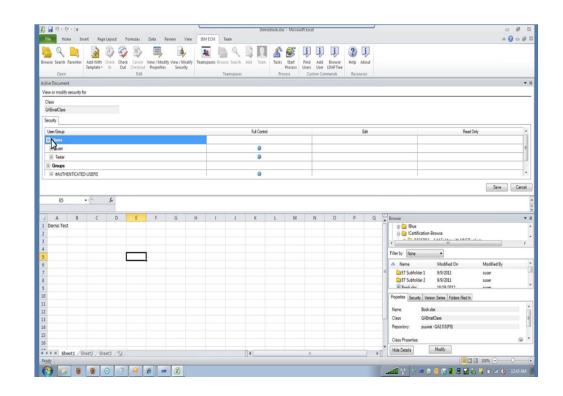
- Federated access to multiple content sources: FileNet CM, CM8, CMOD
- Self-provisioned Document Team Spaces
- OOTB Enterprise Search/Facets via ICA
- Open Standards Support
 - HTML 5, CMIS
- Native Microsoft Office Integration
- Visual Component Toolkit via
 - Extend Navigator OOTB UI
 - · Build & integrate with custom UIs
- Web Administration:
 - User Experience Configuration
 - Optimize Desktop for Business Roles
- Mobile Content Mgmt.:
 - Browse, Sort, Search/Template
 - View Properties & Native File Types
 - Add or Capture via library/camera



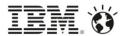


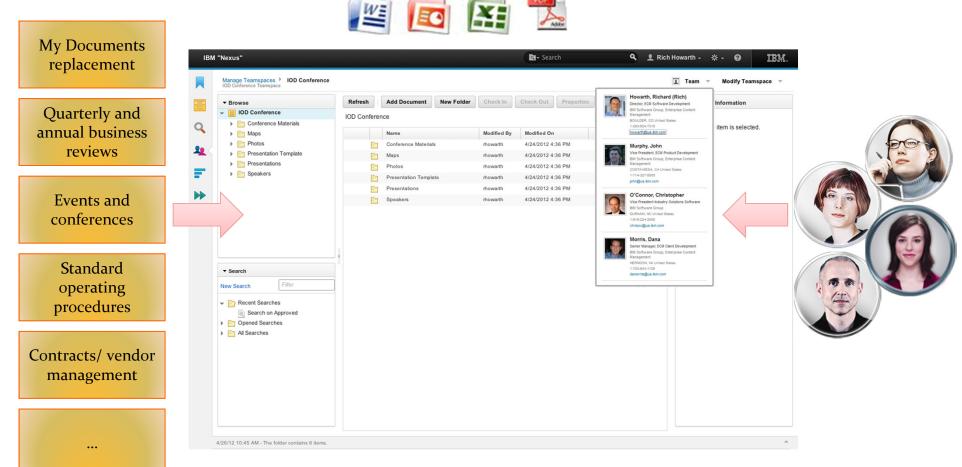
IBM Content Navigator for Office

- Consistent experience for Navigator web and office integration
 - Common searches, favorites, teamspaces
 - Centralized admin
- Data interaction
 - External Data Services support
 - Microsoft Office properties to class property mapping
- CM8 repository support technical preview



Content Navigator - Business self provisioning

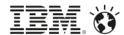


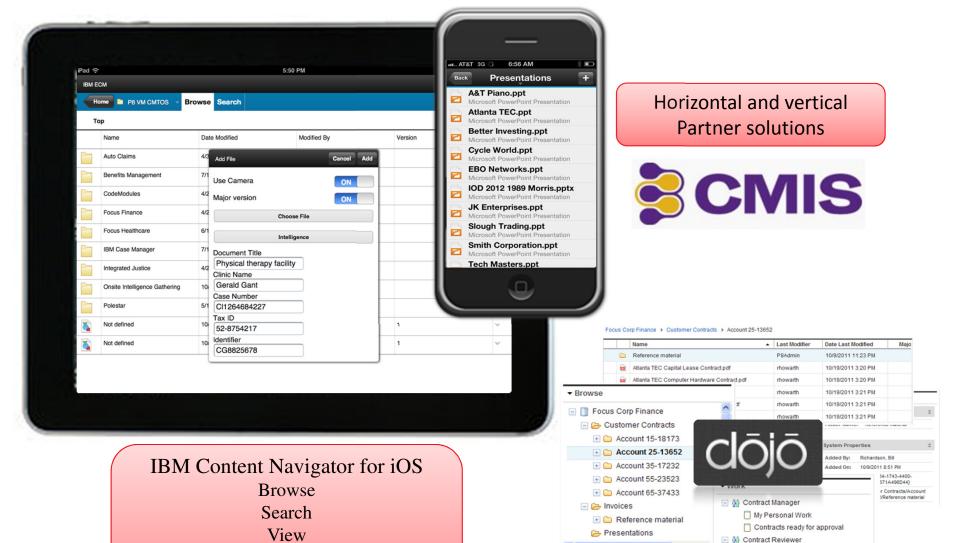






Mobile solutions matching business needs





Add using camera

Contracts for review



What to expect in 2013



Greater Choice for IBM ECM Customers



IBM FileNet Content Mgr 5.2

Shipped: March 2013

Enterprise Manageability

- Common Content & Process Engine
- Web-based administration
- Event-based document retention
- Content file compression
- Storage migration
- Search optimization
- Social & mobile capabilities

IBM Content Foundation (Coming Soon!)

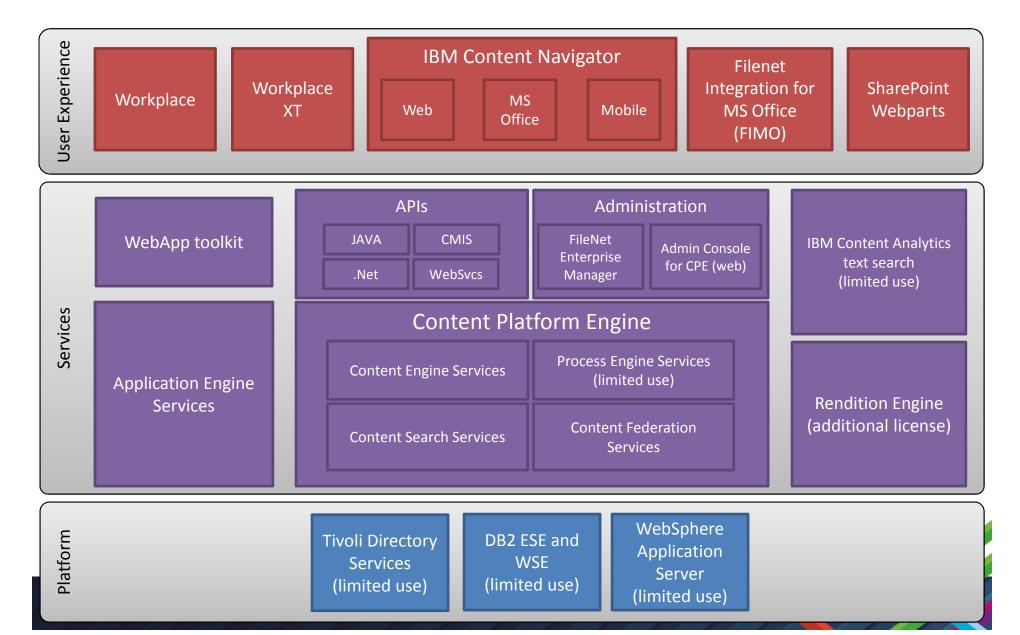
Release Timeframe: Q2 2013

- Power of P8 harnessed in a new nimble, consumable, cost-effective offering
 - Document Management
 - Custom application development
 - ECM Consolidation
- Leverages Enterprise manageability and social & mobile capabilities

- Both solutions leverage the same "Content Platform Engine"
- Both solutions can interoperate and co-exist in a customer environment
- Both are strategic solutions aimed at meeting different customer requirements
- IBM Content Foundation is NOT a replacement for FileNet Content Manager
- Both offerings can support solutions such as Enterprise Records or Case Manager

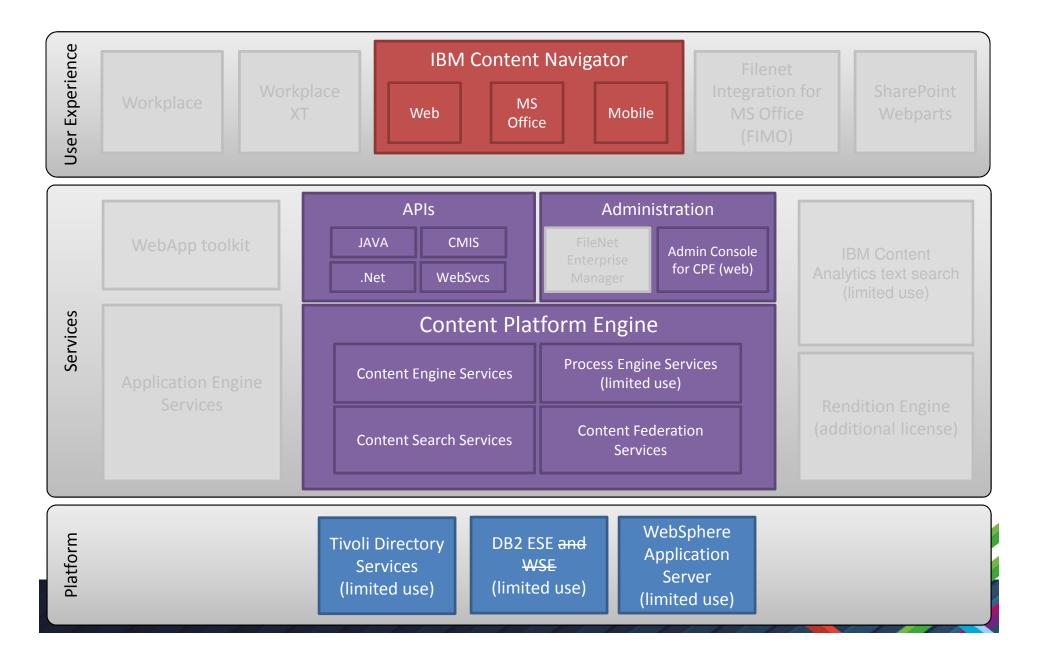


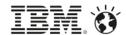




IBM Content Foundation







New! Single Content Platform Engine – 5.2

Use case

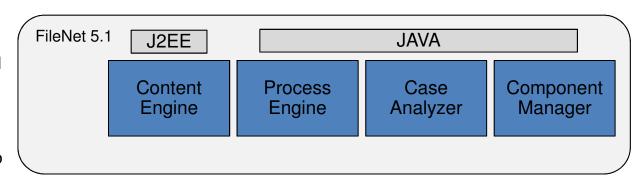
- As an administrator I have to maintain core FileNet server components
- I maintain all the services and also High Availability and Disaster Recovery services

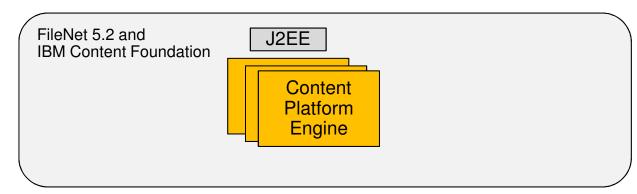
FileNet Implementation

- Combine all core services into a single J2EE engine deployment
- Provide consistent HA and DR for all
- Share resources such as database connection pools

Benefit

- Very significant reduction in administration complexity
- Simplifies delivery and application of upgrades and patches
- Consumability improvements







Content Navigator "next"

Release Timeframe: Q3 2013



Socializing around content

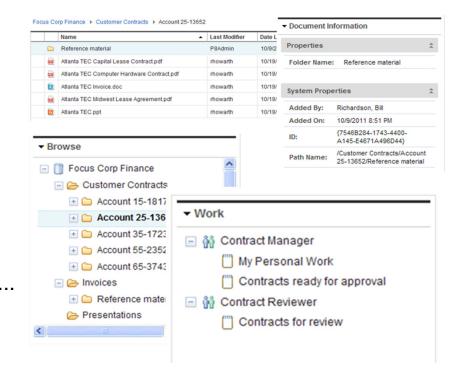
- Track who is downloading documents
- Comment on and discuss documents
- Subscription and notification for changes

Productivity

- Teamspace document review and approvals
- Cross repository search
- Multi document updates in a single action
- MS Office: IBM Content Manager support
- Mobile: eMail a document, create searches, ...

Enhanced self provisioning and deployment

- Navigator configuration export/import
- Teamspace template export/import
- Business user document class provisioning





IBM Content Manager "next"

Availability Timeframe: 2H 2013



Compliance Features with Retention Management

- Define retention policies
- Enforce retention period
- Manage expried documents & enforce legal holds

Better Security

- New security standard SP800-131a
- Stronger Cryptographic key (minimum 128 bits)
- Digital Signatures (minimum SHA2)

New scalable Text Seach & Text Indexing technology

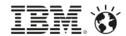
- DB2TS support (DB2 Text Search)
- Continued NSE Text Search support (deprecated)

Diasaster Recovery enhancements

- Synchronous replication of content
- High Availability improvements
 - PureScale support
- And much more

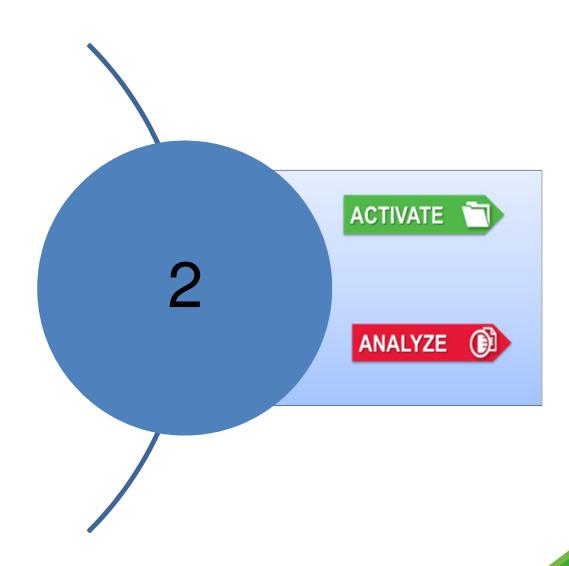








High Value SOLUTIONS





Key Buying Occasions

Addressing Content-related Processes / Case Management workloads
Leveraging deeply integrated content and process technologies to reduce cycle
time, save costs and deliver optimized case outcomes.

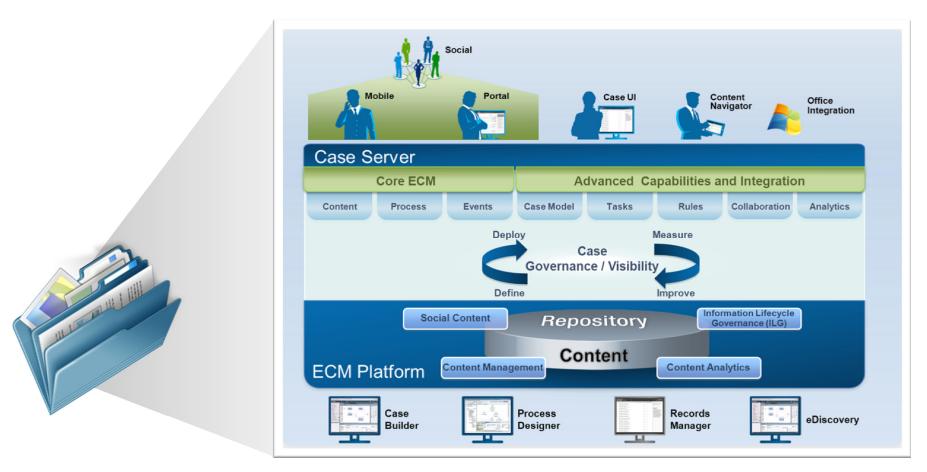
Gleaning Insight from Business Content

Employing advanced text analytics and discovery technologies to extract meaning and valuable business insights – e.g. voice of the customer, product and service innovation, warrantee service and fraud detection.

Using Pre-built Software Solutions to rapidly address Business Challenges Pre-integrated solutions that address horizontal and industry-specific business needs. Improved time-to-solution and reduced integration costs help satisfy line-of-business buyers while supporting IT standards and enterprise platform requirements.





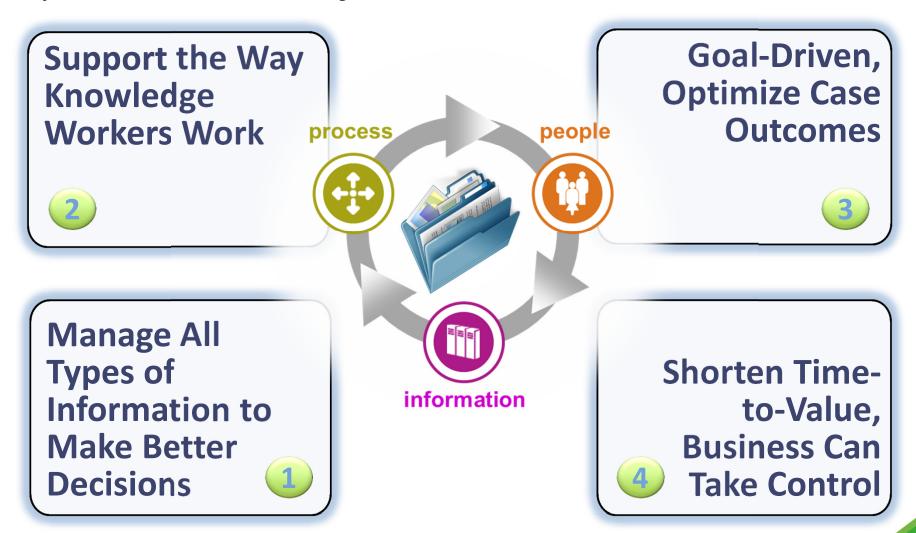


Uniquely integrating information (structured and unstructured) with people and processes to deliver case-style solutions



IBM Case Manager

4 Key Areas of Differentiation Together in One Solution



IBM Content Analytics 3.0

New release of IBM's Content Analytics offering – integrates enterprise search!

- Merging of search and analytics
- Big Data analytics
- Sentiment analytics
- Contextual View
- Usability improvements
- Enterprise Connectivity improvements
- Content Analytics Studio improvements
- Improved result ranking controls
- ...and more





Leading Car Rental Company and Mindshare Technologies

Smart is: identifying customer satisfaction trends

"We wanted to leverage this insight at the strategic level and the local level to operational improvements"



Industry context: travel services, car rental Value driver: access to customer survey data Solution onramp: content analytics

Business Challenge

A car rental company needed to better understand customer feedback to adapt its business accordingly. Most of its valuable information was trapped inside free-form customer feedback surveys. This company's location managers read each customer comment submitted via email or phone and then manually categorized it, proving to be very labor-intensive and inconsistent.

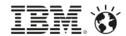
What's Smart?

Transforming customer information into actionable intelligence. Using IBM Content Analytics together with Mindshare Technologies sentiment-based tagging solution, the company created a "Voice of the Customer" analytics system to automatically capture customer experiences in real-time.

Smarter Business Outcomes

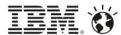
The company realized improved accuracy and speed of the customer feedback analysis process, almost doubling what had been achieved manually.

Content in Motion



What to expect in 2013





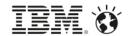
IBM Case Foundation 5.2

(formerly FileNet Business Process Manager)

the 5.2 release in March 2013

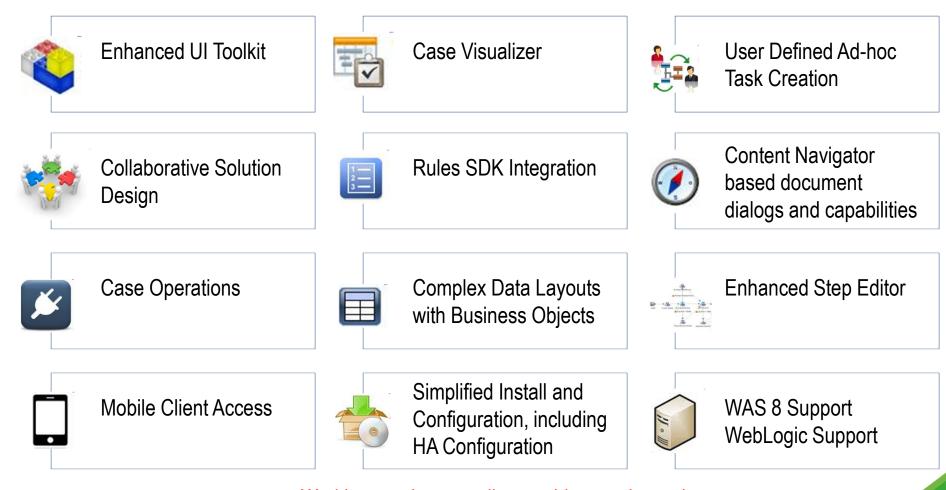
- Name change to describe our focus on Case based solutions.
- Process Engine runs in JEE combined with Content engine.
 - Greatly reduces TCO of platform for customers
 - Unified CE-PE server administration console (ACCE)
- Other key enhancements
 - Enable Database simplification and consolidation
 - Case Analyzer/Monitor improvements
- Products removed from the BPM bundle being announced at eGa
 - ECM Widgets, path forward is Navigator
 - Business Process Framework, path forward is IBI
 Case Manager





IBM Case Manager "next"

Release Timeframe: 2H 2013

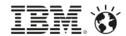


Working requirements list... subject to change!



Benefits of Content Navigator for IBM Case Manager "next"

- Web based case client built on the new IBM Content Navigator Framework
 - Use of common components provides consistency across ECM client applications
- Case client UI customization directly in Case Builder
- Case client can be configured to display other Content Navigator features to create a more integrated Case and Content environment
- More extensive customization using standard and well-accepted web development methods
 - Deliver ICM JavaScript toolkit that extends IBM Content Navigator toolkit
 - Componentized design makes components within ICM widgets replaceable and provides more advanced customization options
 - Container-independent, can be embedded into other environment easily.



ECM Technology at Work ...

Four New Lines of Business Solutions

- IBM Patient Care and Insights
- IBM Intelligent Investigation Manager
- Incident Insight
- Account Payable, HR Files, and Contracts



IBM Patient Care and Insights

... an integrated solution



Build new evidence based insights

Raw Information

- Clinical or Operational
- IBM Healthcare Provider Data Warehouse

Unstructured Data

(Nurses notes, claims, discharge summaries, lab results, loose papers, etc.)

Structured Data
(Billing data EMR sur

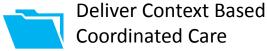
(Billing data, EMR, support

Paper / Image /Fax Data Capture and Transformation

IBM Advanced Care Insights

Aggregate, Analyze and Visualize

- Uses advanced Natural Language Processing technology
- Trend, Pattern, Anomaly, and Deviation Analysis
- Clinical data summary and timeline visualization
- Predictive Scoring, Modeling,
 Probability and Outcome Analysis
- Multi-factorial Personalized Patient Analysis
- Resource & Services Utilization
- Disease Onset Prediction
- Treatment Effectiveness
- Physician Matching



IBM Care Manager

Activate, Intervene and Coordinate

- Sharable, Electronic, Patient-Centered Care Plans
- Electronic Cases/ Patient folders
- Web Based Portals for Patient, Caregiver, and Care Team
- Secure Communication Platform
- Automated "Next Step" Events, Triggers, Alerts and Reminders
- Document Management: Digitizer, Retrieval and Storage
- Audit logs to support HIPAA compliancy

Patient Care and Insights - Example use case

Raw Information (e.g. EMR and Claims)



10's of thousands of patients

A 65-year old white male has been diagnosed with stage 2 melanoma. He is widowed and lives alone.

AJCC: T2



Content Analytics

Age: 65 Patient

> Gender: Male Race: White

Diagnos Melanoma

is Stage: 2

Social Marital status:

single

Labs AJCC: T2



100's or 1000's of patients

Predictive Analytics

Risk of 47%

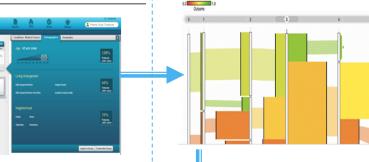
metastasis



100's or 1000's of patients

Similarity Analytics

Recommended **DTIC** Add'l Treatment

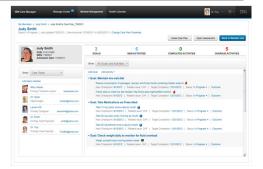


Risk Assessment

Care Management

Avoid remission Goals

Activities Avoid UV radiation Regular screening Transportation assistance



IBM Intelligent Investigation Manager

... a new solution powered by ECM and i2, provides deeper insights for fraud discovery and optimizes the process of fraud investigations.



Fraud costs private and public sector enterprises hundreds of billions in revenues each year \$ 994 Billion in US alone

- Association of Certified Fraud Examiners

BANKING

There was a 25% rise in the fraudulent use of UK credit and debit cards last year (2007), with losses amounting to £535m...

ENERGY & UTILITIES

Customers have stolen power for decades, costing utilities 1% to 3% of revenue — or about **\$6 billion** industry-wide

TAXATION

Approximate estimates say that the EU loses €100 billion annually in value added tax (VAT) revenues to fraud.



HEALTHCARE

Estimates place the loss due to health care fraud at a staggering **\$226 billion** each year.

INSURANCE

Latest national estimate for claims fraud in the U.S. is \$79 billion.

WARRANTIES

Upwards of **10% to 15% of claims** are in some way suspect

WORKER'S COMPENSATION

25 percent of all workers compensation claims are fraudulent.

TRAVEL

The average expense reimbursement fraud scheme costs a company \$60,000, lasting on average two years before detection.

Example: Detection and Investigation of P&C Claims Fraud

Content Analytics

Crawls new claims, case Raw Data: histories, and other content. Claims, Case history Extracts entities and adds billing statements, them to the data repository. Correspondence, Content in social

Predictive Analytics

Risk of 85% fraud

> "If more than 3 claims in 6 months and over a certain \$ amount, flag as high risk."



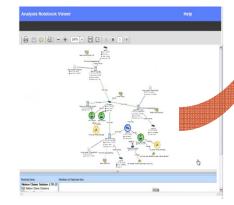


Case Management

Case populated with all claim info. Supervisor triages the claim & creates work item for forensic analysis



Analyst detects relationships





media



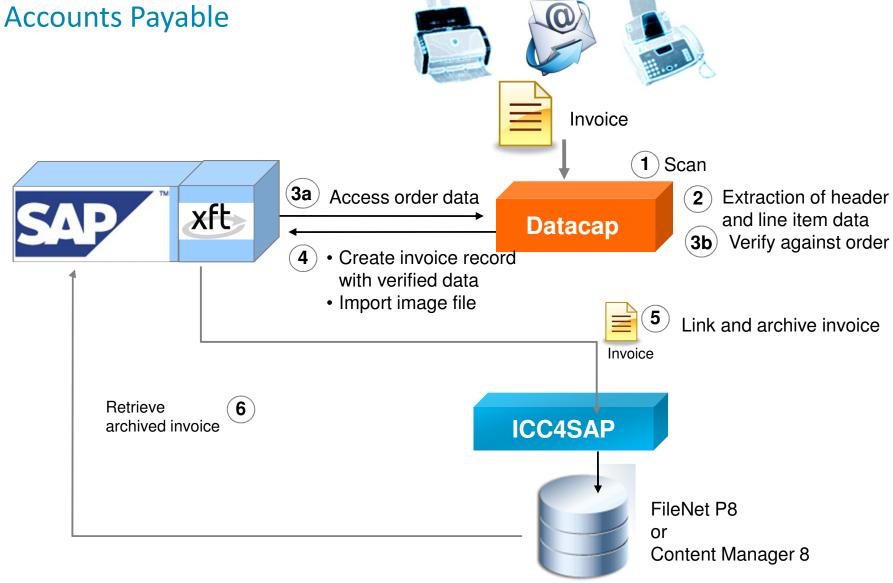
Accounts Payable, HR Files, Contracts

Providing best of breed IBM ECM capture and imaging solution for SAP users



In collaboration with partner

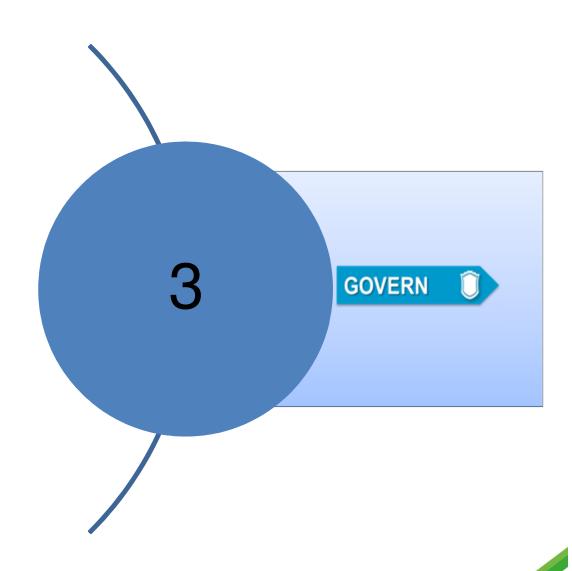








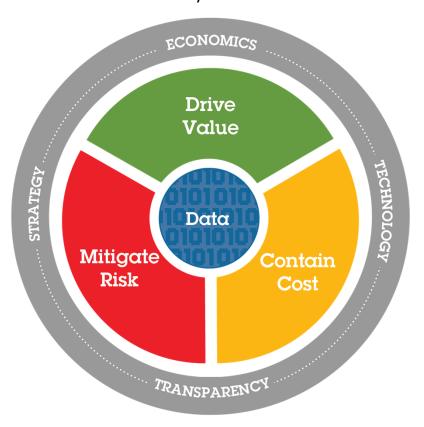
Information ECONOMICS





IBM's Information Lifecycle Governance solution improves information economics by better aligning information cost with its value

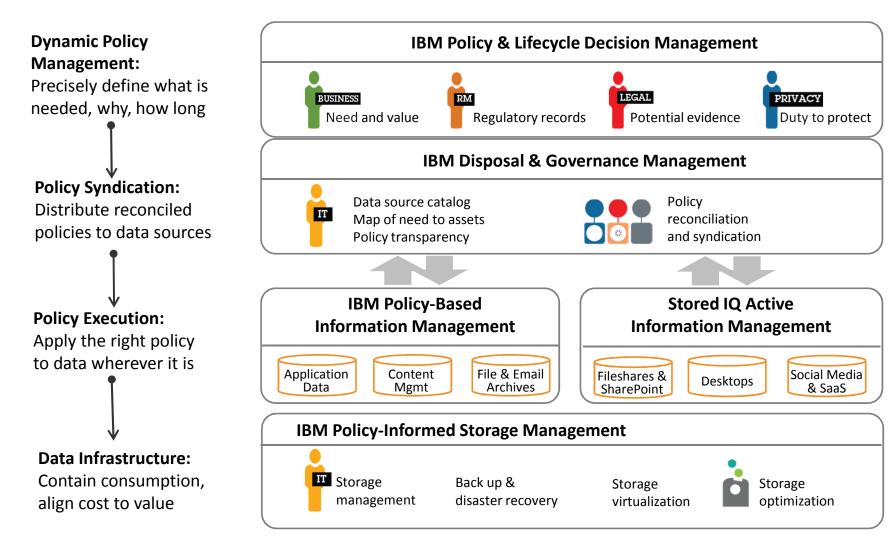
IBM Information Lifecycle Governance Solution



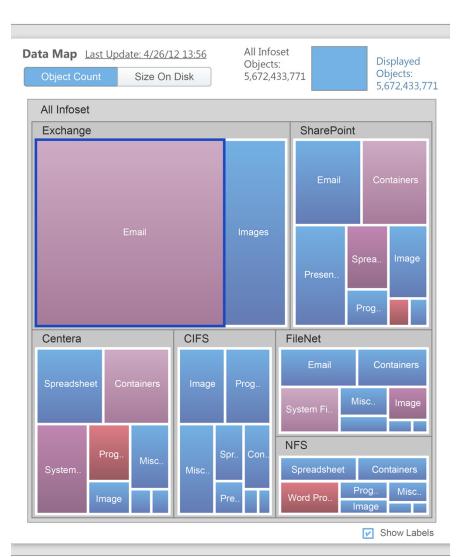
ILG lowers the total cost of information while increasing the value derived from it:

- Eliminate unnecessary cost and risk by defensibly disposing of data debris
- Align cost to value through value-based archiving and tiering
- Reduce information risk by instrumenting privacy, e-discovery and regulatory policy across the data environment
- Enable business to realize information value as context erodes with analytics-in-place, content management and collaboration

Only **integrated end-to-end** Information Lifecycle Governance Suite to now address full data spectrum for optimal information economics



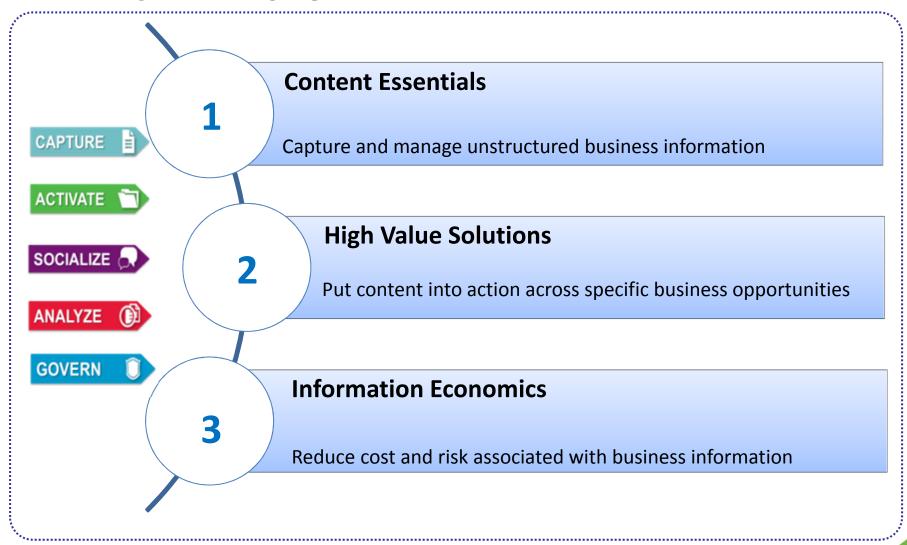
DataIQ – Understand Your Data

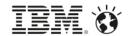


- Spot compliance violations how much PII is stored in unsecure locations, where is it, who are the biggest offenders?
- Make infrastructure planning decisions –
 are you making the best use of your primary
 storage environments, or is there data that
 should be archived, how fast are your
 SharePoint sites growing?
- Get out in front of the eDiscovery process –
 where do your serial custodians have data
 stored, how much data do they have and
 how old is it, is there anything you can
 potentially delete?
- Jump start or monitor records initiatives what types of data is on your file shares, how old is your data, are people storing data where they shouldn't?



IBM ECM in 2013





Thank you

Q&A

Turning Opportunity into Outcomes.



Content in Motion

Smarter Content. New Insights. Better Outcomes

Content in Motion

Smarter Content. New Insights. Better Outcomes.

Turning Opportunity into Outcomes.

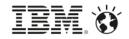


Conclusion & Closing

Dominique De Coninck, Industry Solutions Sales Leader Belgium, Luxembourg, Netherlands

Content in Motion

Smarter Content. New Insights. Better Outcomes.





Transform Big Data into your most valuable resource. Increase the efficiency of data management, simplify its analyzing and improve the protection of sensitive information.



Create a highly responsive organization by integrating mobile applications with your existing IT infrastructure in a cost-effective manner. Keep a tight grip on security and privacy issues to mitigate any possible risks.



Increase computing capacity and agility while reducing IT investment. Deploy resources according to your real-time business needs.



Increase the effectiveness of your security protocols to protect your intellectual property, customer data and brand intelligence.



Discover the new era of IT. IBM PureSystems makes it a reality.

Turning Opportunity into Outcomes.



Thank You!

Content in Motion

Smarter Content. New Insights. Better Outcomes.