IBM Content 2014
Information. Insights. Results.

Ian Story – Senior Strategy Manager
20 April 2014

IBM

The Content Navigator Experience:
Building Web, Social, and Mobile Content Solutions

Please note

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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.

IBM ECM's industry-leading approach

IBM ECM tenets

High-value content capabilities

Document management
- Versioning, lifecycle, workflow
- Active content, search
- Extensible data model
- Scalability and topology

Custom application development
Visual toolkit and modeling supporting:
dōjō | Java | Microsoft .NET | Web Services | CMIS

ECM consolidation
- Content federation
- Extensive repository support
- Social collaboration integration
- Repository w/social constructs
- Custom app development
- Integrated search/analytics

Enterprise manageability and consumability
- Single content platform engine
- Simplified database usage
- Web administration
- Retention management
- Storage optimization
- Enterprise search

Extensive platform and open standards support
HTML5 | Microsoft Windows | Mac OS | AIX | Web 2.0 | Linux | solaris | CMIS | dita xml·org

Consistent and intuitive UI
Mobile | Desktop | Web
Content Navigator deploys a common application layer providing consistent/intuitive UI across: mobile, desktop and web
iOS | Microsoft Office | Safari | Chrome | Firefox | Internet Explorer

Social content management
- Social content repository: Tagging, Likes, Downloads, Comments, etc.
- IBM Connections "tight" integration

The experience platform

All ECM UI offerings converging on

One technology for web, mobile, and Microsoft Office

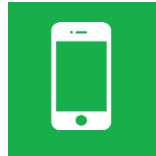Content from CM8, P8, CMOD, third-party repositories (CMIS)

IBM Content Navigator

Standards-based UI components that are reusable **everywhere, anywhere**

The IBM ECM Experience Platform: IBM Content Navigator

ECM Cross Portfolio Adoption

- IBM Case Manager
- IBM Enterprise Records
- Content Analytics (coming soon)
- Datacap (coming soon)
- ICC for SAP (coming soon)

Mobile & Office

- Work with content across devices via Worklight
- Microsoft Office integration for IBM Content Foundation / IBM FileNet Content Manager and IBM Content Manager 8
- Secure file transfer to anyone via QuickFile

Unified Access

- Access content in IBM FileNet Content Manager, IBM Content Foundation, IBM Content Manager, IBM Content Manager OnDemand, and CMIS repositories
- Search across different repositories
- External data services

Framework

- Open & standards-based visual component toolkit
- Extend Navigator out of the box interface
- Quickly build & integrate custom apps / UIs
- Consistent design across IBM products

Benefits for new & existing IBM ECM clients:
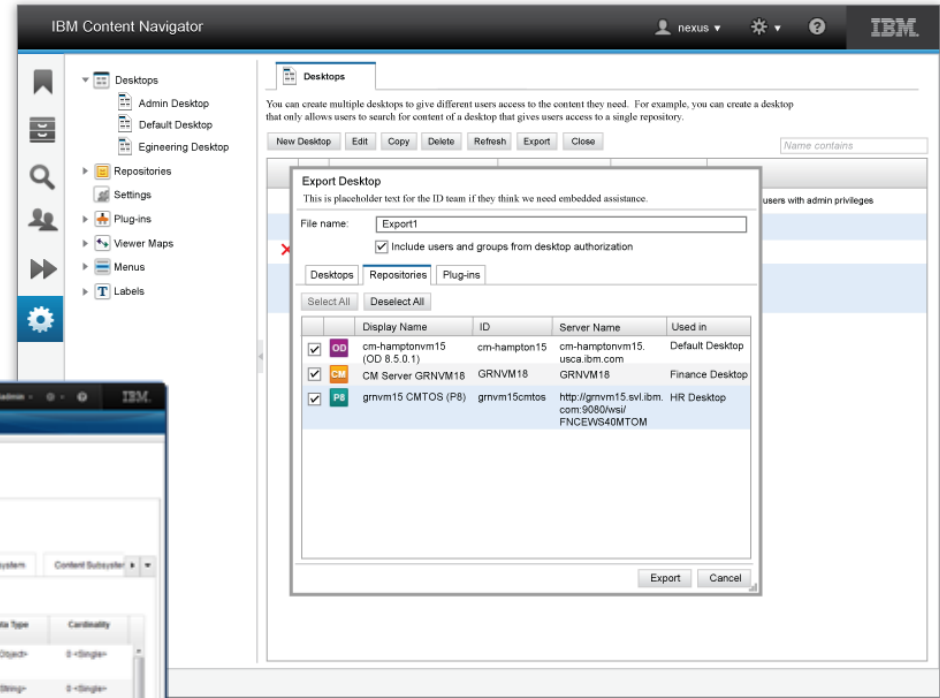## *Simplification for users*

Navigator unifies access to content
- IBM & 3rd party CMIS repositories
- Consistency across mobile, web, Office

Searches, external data integration, etc.
- Unification of ECM capabilities

Content, Case, ICA, Records, etc.
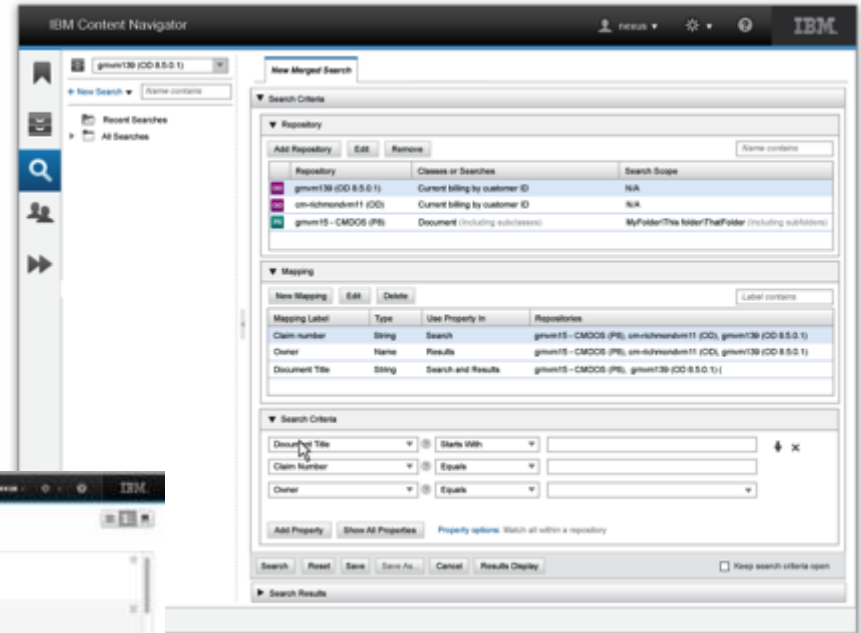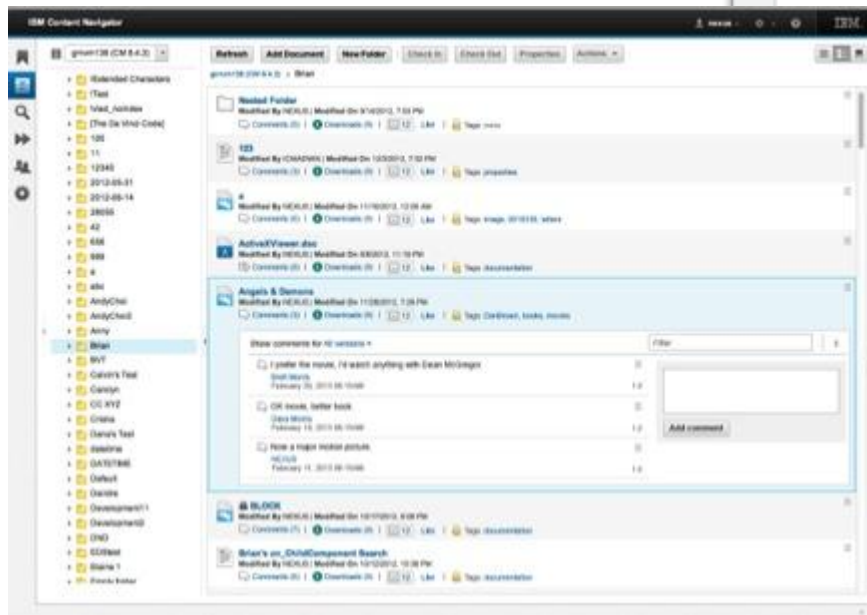
Benefits for new & existing IBM ECM clients:
Simplification for system administrators

Administration simplified in Navigator

- Deploy apps in seconds
- Content admin also in Navigator
- Easy patching due to plug-in architecture
- Intuitive, web-based administration
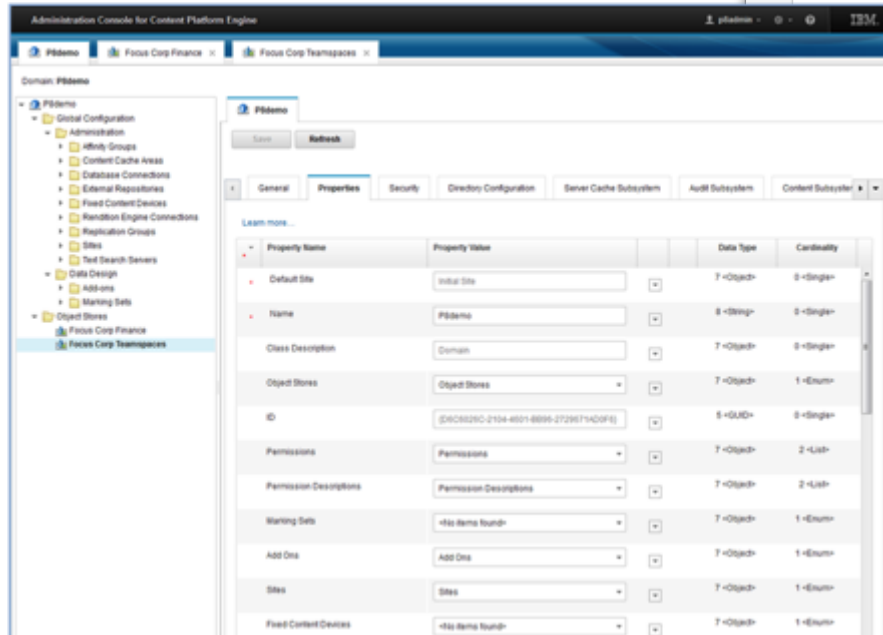
Benefits for new & existing IBM ECM clients:
Simplification for developers

Rapid configuration of user experience for applications

Desktop configuration

- Title, labels, icons, help
- Feature selection (Search browse, work, teamspace…)
- Layout
- Menus and toolbars
- Repositories

Viewer mappings

- The right viewers for the user
- Custom viewers

Teamspace templates

- Project specialized folders, documents, searches, roles

Packaged plug-ins deliver remaining requirements

- Menu items - Add custom actions to OOTB menus
- Feature - Search, Browse, Teamspaces are OOTB features, add your own alongside them
- Custom Layout - The layout defines the arrangement of the widgets that are used in a desktop
- Dijit - Add your own components
- Request/response filter - Massage data being set to and from client browsers
- Viewer - Snap in 3rd party viewers
- External data services - Wire in databases, ERP, CRM, etc.

Significant development improvements

- Industry standard (HTML5, JavaScript, CSS)
- Reusable components in 3rd party apps
- Build apps for all repositories

Benefits for Microsoft Office environments:
Integrated experience platform within productivity tools

Word, Excel, PowerPoint & Outlook

Browse and search IBM Content Foundation, FileNet Content Manager and Content Manager 8

Add, check out, check in

Access shared searches and favorites

Work with teamspaces

External data integration

Fully integrated with web & mobile experience – a single platform regardless of device!

2010 and 2013

32-bit and 64-bit
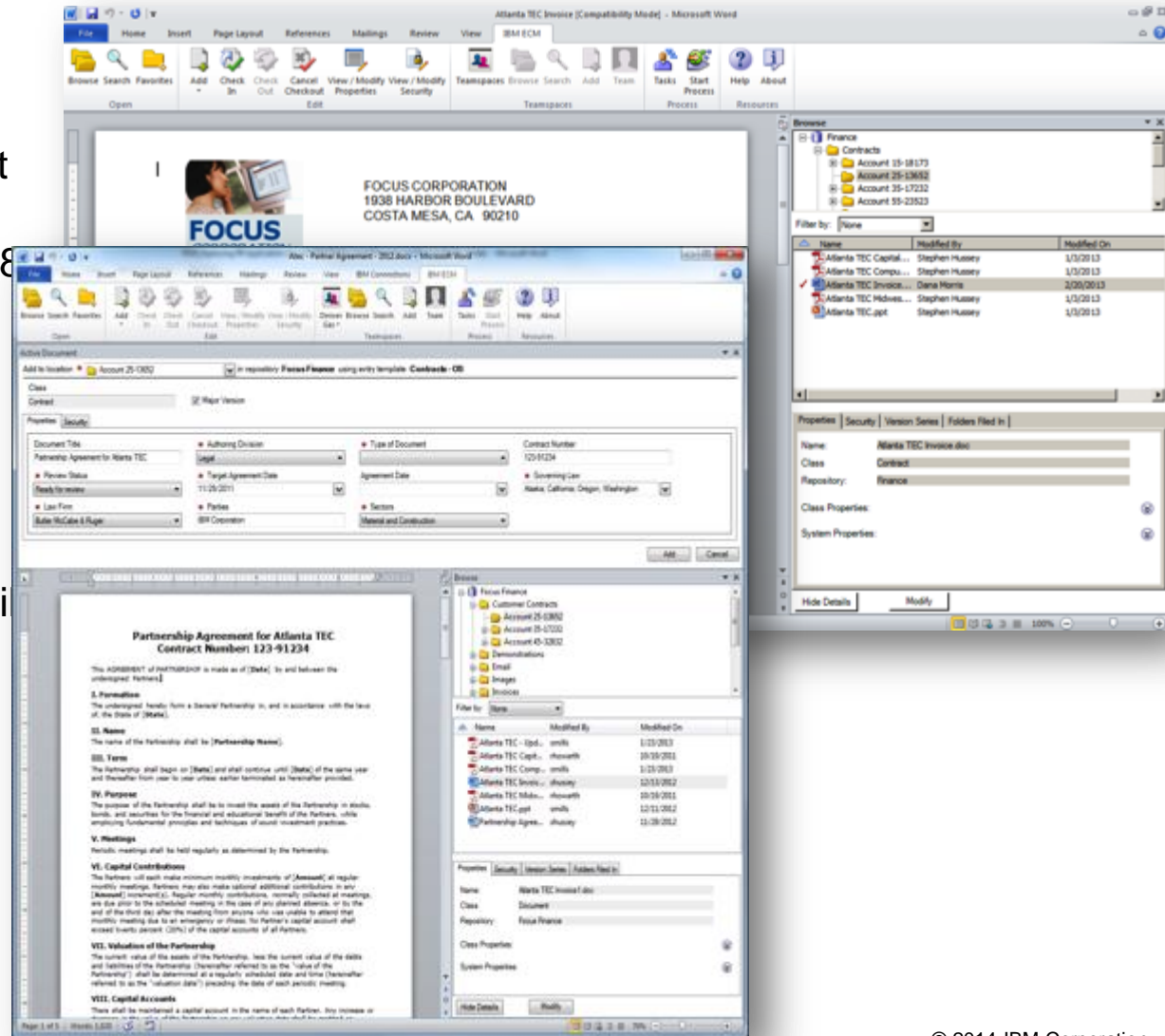
Benefits for mobile environments:
Content Navigator on any modern mobile device

- Native iOS application, optimized for both phone and tablet form factors
- Responsive design sample web plugin for any mobile browser
- Worklight sample project for cross platform mobile development
- Limited use license of IBM Worklight included

Browse, search, and share content from any device

Case management and Datacap support

Access and create shared searches and favorites

Add and edit content

External data integration

Benefits for IBM Collaboration Solutions & Microsoft SharePoint

HTML 5 & JavaScript framework – Dojo

- Reusable components integrate into any web user interface

IBM Connections and WebSphere Portal development tools support Dojo

Consistency and integration across IBM products

Embed IBM Content Navigator reusable Dojo components in SharePoint

- Screenshot showing this integration below (sample via IBM Content Navigator Redbook)
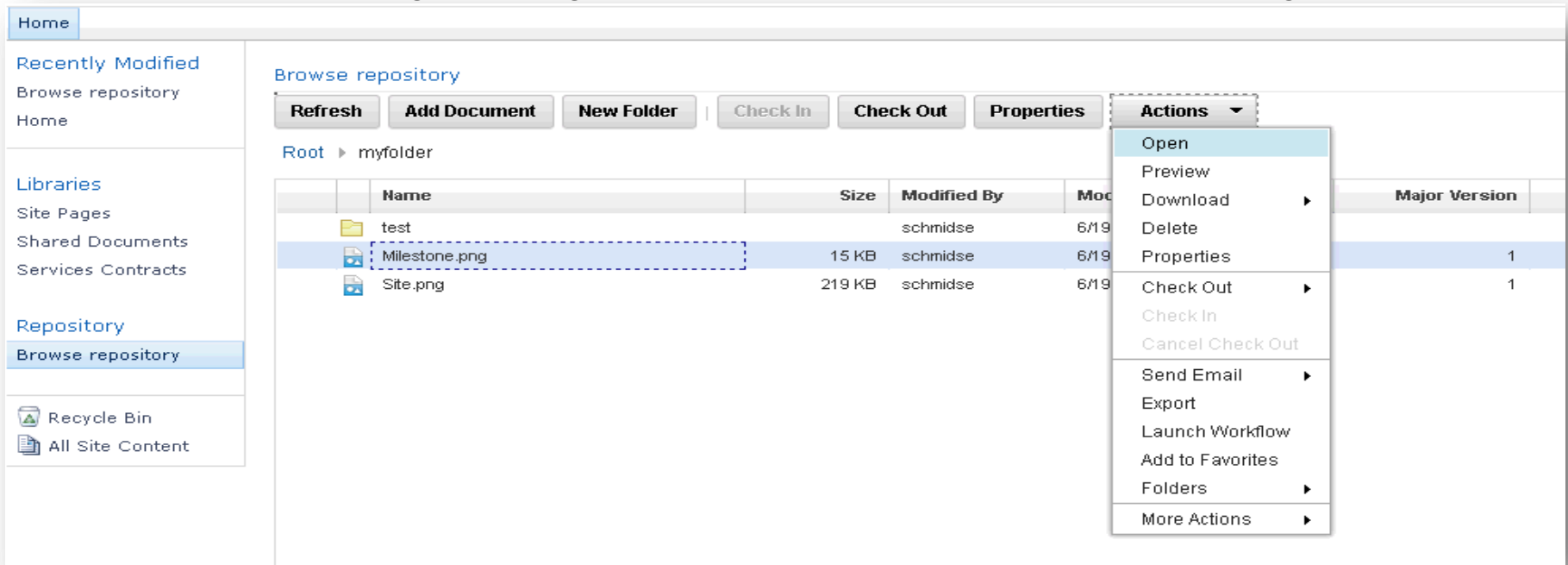
Adopting IBM Content Navigator

Simple transition to Content Navigator:

- Navigator's simplified UI along with web based admin & config make it easy to deploy
- Legacy client search templates, step processors, structures, entry templates, workflows, etc. all work in Navigator
- Navigator can be deployed simultaneously with older UIs (even on same hardware)
- All item types / attributes / classes / properties work in Navigator
- All viewers reused in Navigator (full compatibility, all annotations work)

Easy to build new applications:

- Plug-in architecture, simplifies development, deployment and maintenance
- HTML5, JavaScript and CSS3 – no proprietary skills needed, cross platform
- Reusable components, mix & match in custom apps, portals, SharePoint, etc.
- Use CMIS to access 3rd party repositories, then move content without changing the UI

Internal & customer validation:

- Case Manager, Datacap, IBM Enterprise Records, ICC for SAP, etc. all adopting Navigator
- US-based global bank no-longer building side by side viewer (reusing Navigator instead)
- Tejon Ranch (reference customer) building entire new UI using Content Navigator

Genus Media Upshot for IBM Content Navigator

Genus Technologies

www.genusllc.com

Thumbnail, one-click download, inline streaming

Additional metadata & renditions of document from Media Upshot

enChoice KwikWork for Content Navigator

enChoice
www.enchoice.com

<u>Configurable</u> External Data Services

Unified User Interface "VUE"
- One screen for case, documents and work items
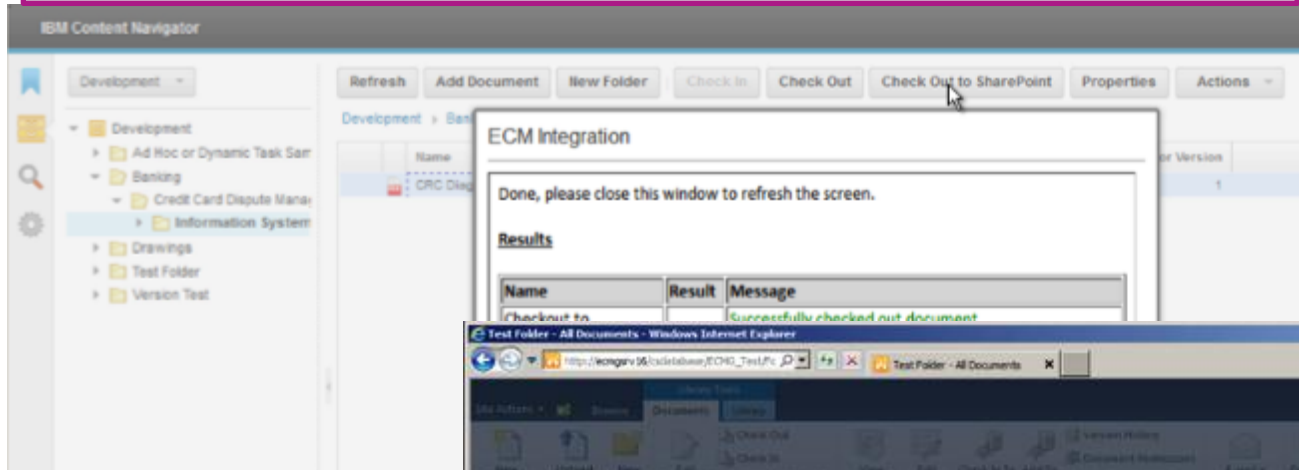- Bulk actions improve user productivity

Partner solution: Roundtrip editing with Content Navigator & SharePoint

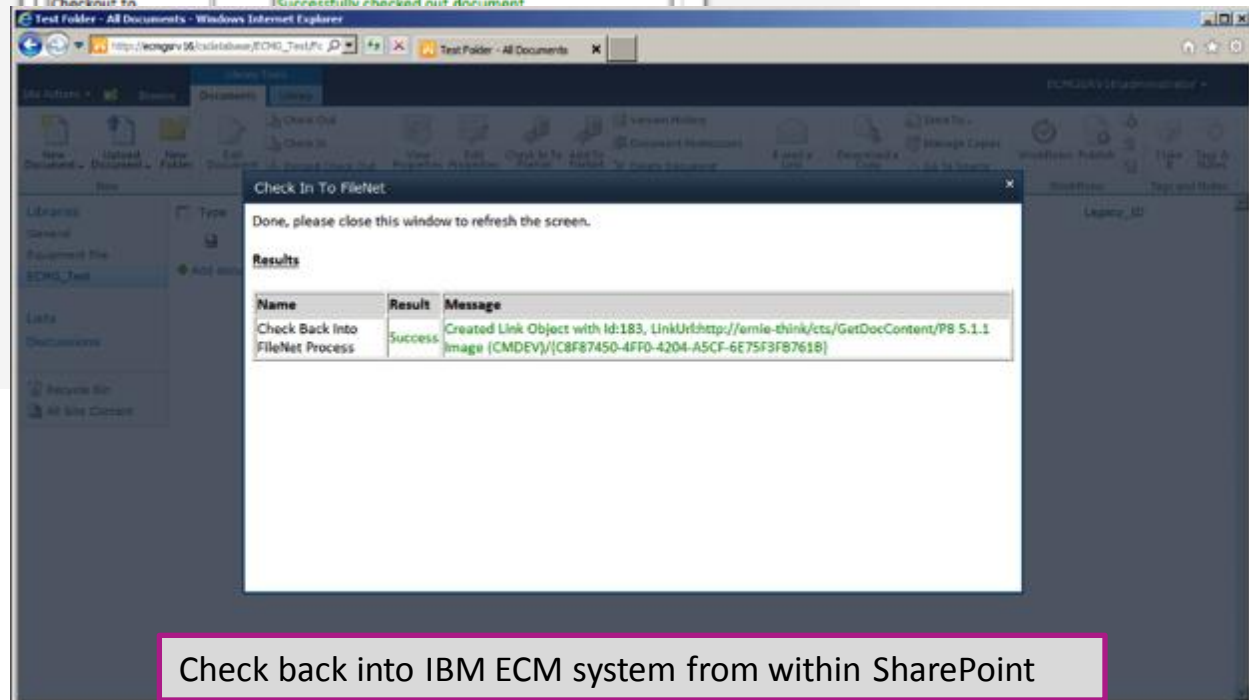Check out one or more documents to SharePoint directly from Content Navigator

ecmG

www.ecmg.comv

Major Benefit
Enables managed collaboration outside the core repository with partners and suppliers

Customer Example
A large energy company uses this to collaborate with engineering firms

Check back into IBM ECM system from within SharePoint

Partner solution: Informative Graphics Brava Viewer
Version 7.1 for IBM Content Navigator

Brava has been integrated with IBM Content Navigator since the first release

Brava for IBM Content Navigator makes it easy to find, view, collaborate on and share documents, images and drawings

Unified viewing experience for both FileNet P8 and Content Manager 8

Supports HTML5 zero footprint viewing seamlessly integrated with IBM Content Navigator

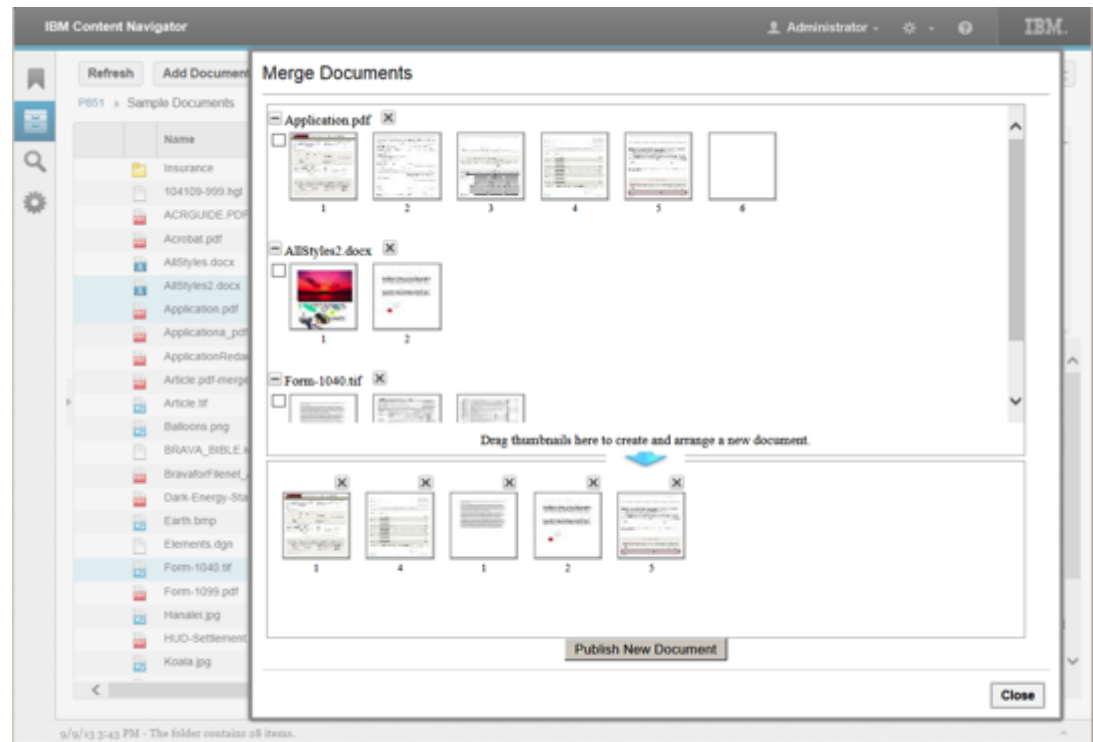Vector based Active X viewer with term hit highlighting

DocMerge: document merging and splitting in both FileNet P8 & CM8
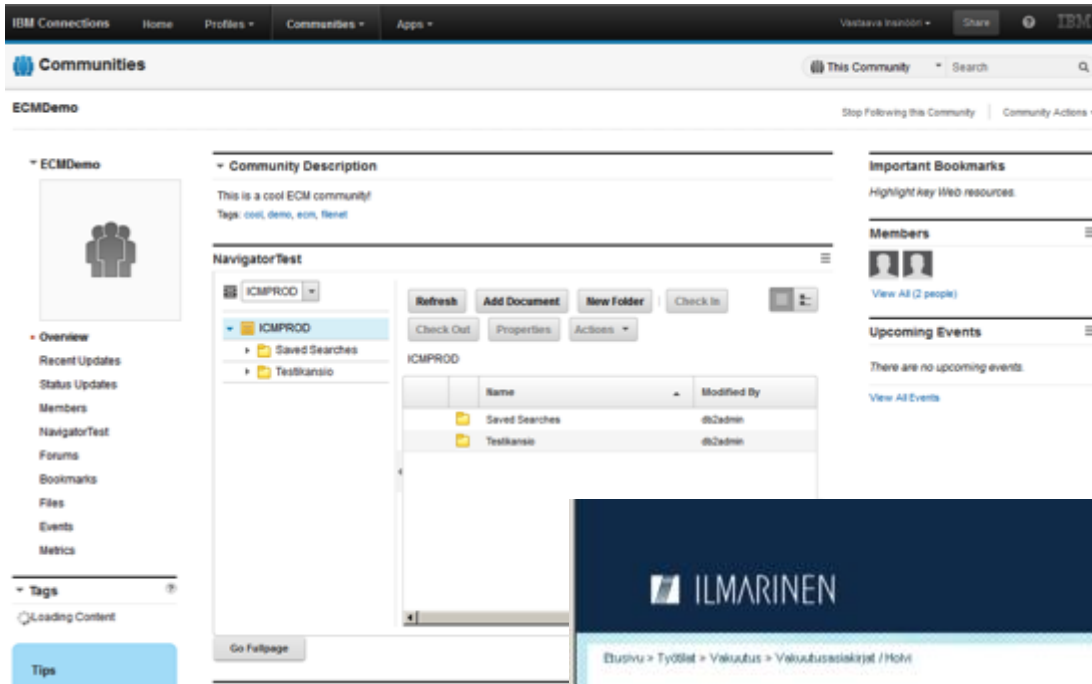
Highly secure redaction

Mobile iPad viewer

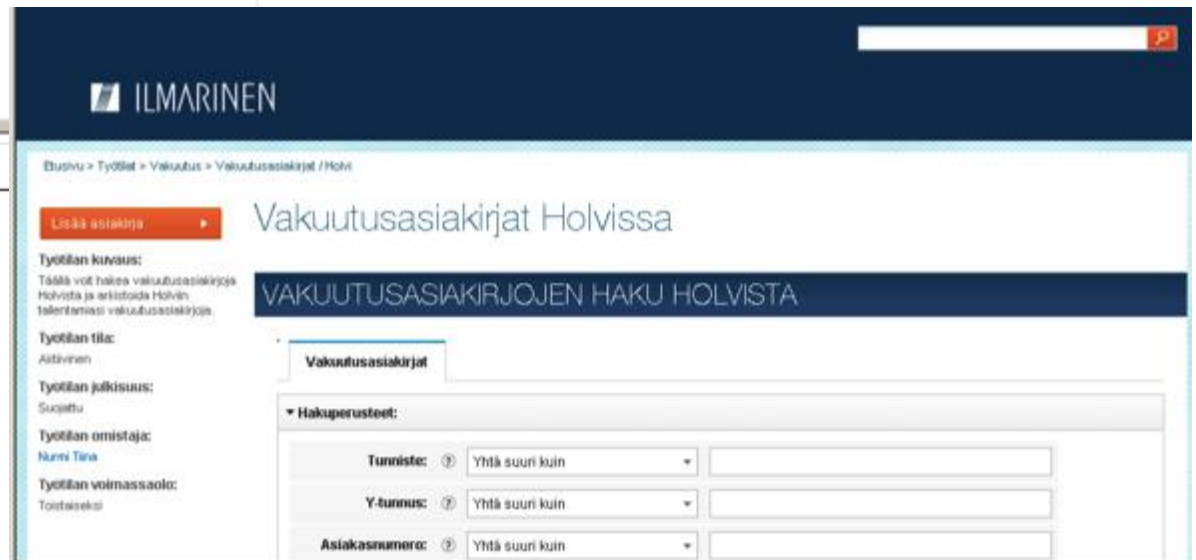IGC

www.infograph.com

Partner solution: IBM Content Navigator integrated with IBM Connections & Microsoft SharePoint

www.elinar.com

Customer Example
European bank leveraging Elinar's Content Navigator integration directly in Microsoft SharePoint

Partner solution: Enhanced viewing for Content Navigator

Virtual Viewer

Pure HTML5 document viewer

Offers page manipulations (re-order, split and merge)

Text searching highlights results and filters pages with results

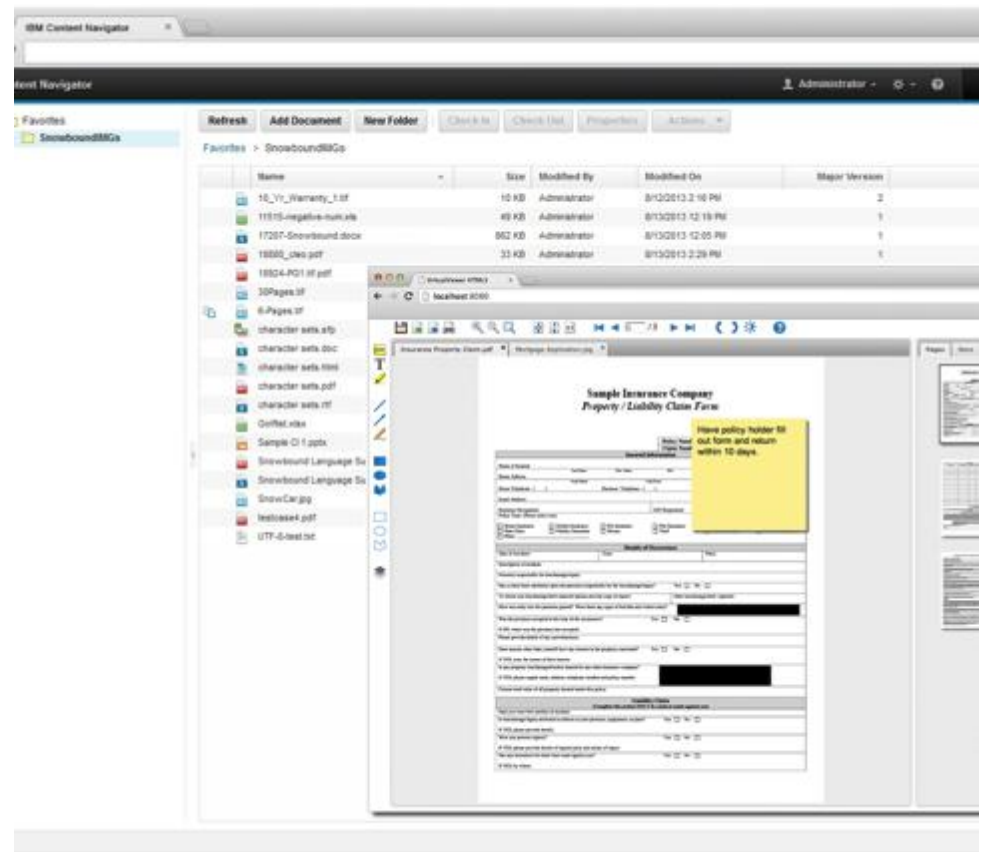View, annotate and redact any format supported (PDF, AFP, Word, Excel, TIFF and more)

Picture controls enable you to adjust color saturation

Configurable UI & international language support

Create new document from multiple source files and types

Snowbound
Accelerating the Document Revolution

http://www.snowbound.com

Partner solution: Bulk output for Content Navigator

Crawford Technologies

http://www.crawfordtech.com

Support multiple IBM ECM repositories with a single output solution (CMOD, P8, CM8)
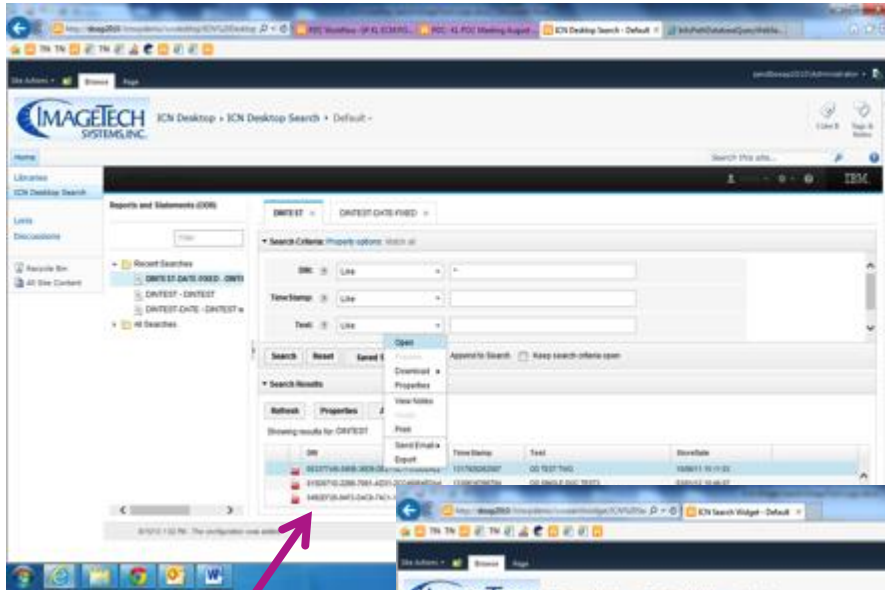
Accumulate documents for output using a simple to use "shopping cart" process

Support multiple content types in a single submission (HTML, MS Office, PDF, JPEG, TIFF, GIF, AFP, TXT)

Partner solution: SharePoint web parts built with Content Navigator

IMAGETECH SYSTEMS, INC.

http://www.imagetechsys.com

IBM Business Partner Profile

19+ Years of IBM ECM experience	IBM CM8, FileNet P8, CMOD CERTIFIED
Microsoft SharePoint Certified Partner	Global ECM Deployments, Migrations, etc.

Accessing IBM Content Manager OnDemand via Web Parts built with Navigator
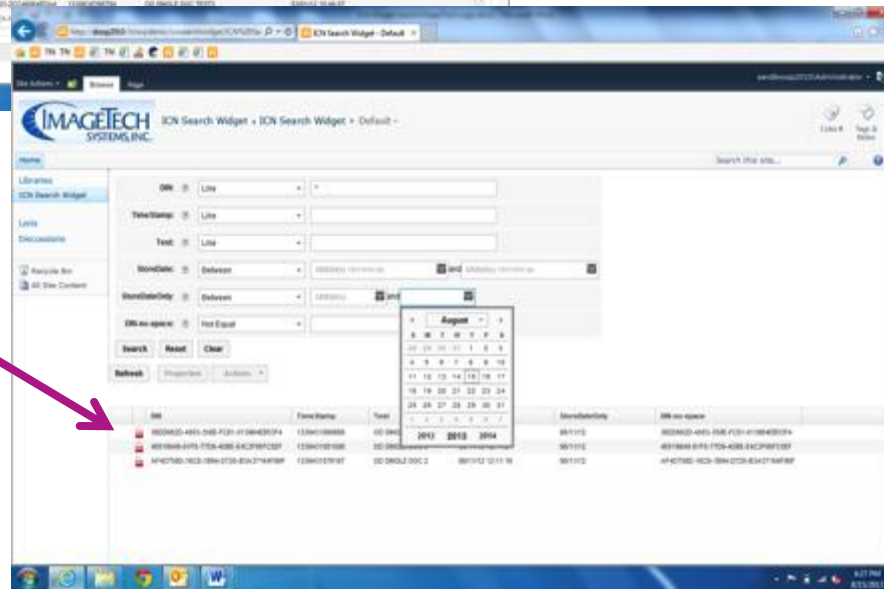
Partner solution: Report mining CMOD with Content Navigator

DATAWATCH | GET THE WHOLE STORY™

http://www.datawatch.com

- Select documents from CMOD to "mine" in Datawatch Report Mining Server (RMS)
- Manage data models, view data
- Generate charts, summaries, export to Microsoft Excel, etc.

IBM Content Navigator 2.0.2 release highlights
(August, 2013)

Support for IBM Case Manager

IBM QuickFile and IBM Worklight bundled & integrated

Ability to search across IBM Content Manager OnDemand, IBM FileNet Content Manager, and IBM Content Manager

Collaboration

- Multi-select and edit of object properties
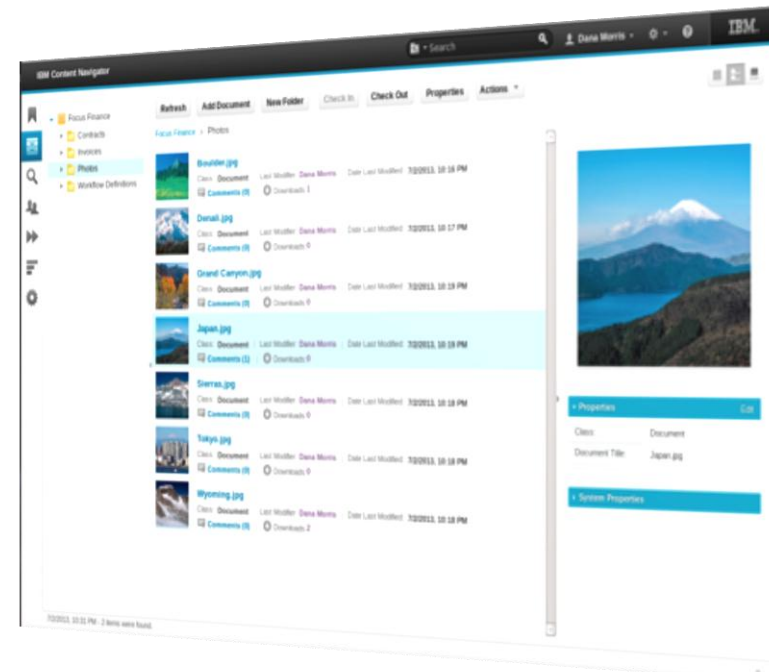- Inline property editing in browse view

Mobile

- Create new searches
- Email documents & links
- Download as PDF
- Cross platform via Worklight sample, responsive design plugin

Administration

- Import and export of desktop definitions
- Import and export of teamspace template definitions
- Access control for desktops

Many specific repository enhancements

Included with IBM Content Navigator - Daeja ViewONE Professional

Feature-rich, Java applet viewer

- Services the document viewing requirements for over 300 file formats including PDF and Microsoft Office without requiring the launch of an external application or leaving a web page

- Annotations without reliance upon third-party product installation (Adobe Acrobat, etc.)

- Increase performance with streaming technology to download annotations on a page-by-page basis

- Advanced printing support for additional flexibility for viewing and retrieving documents
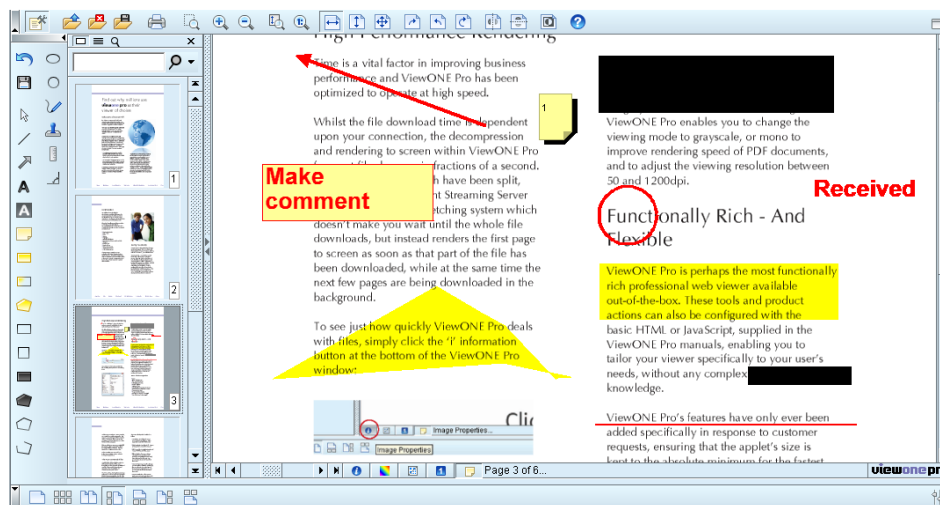
Optional Add-On Modules

Module for Microsoft Office
Stream, annotate Microsoft Office documents

Permanent Redaction Server Module
Burn-in redactions to protect sensitive information

Daeja ViewONE Virtual

Zero footprint HTML5 viewer

▪Ideal for web browsers and tablets to create a seamless viewing experience without plug-in dependencies

▪Reduces users' device requirements, improves security & alleviates reliance on IT staff

▪Provides a user experience that lets customers easily rotate, pan, zoom and annotate multiple file formats including PDF and Office documents

▪Increase performance with streaming technology to download annotations on a page-by-page basis

▪Available now, coming with IBM Content Navigator .next
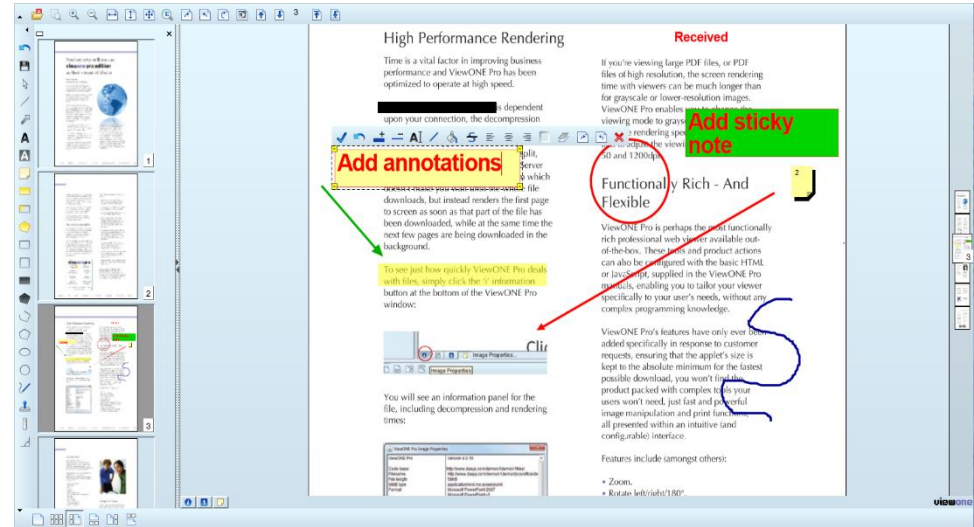
Optional Add-On Modules

Module for Microsoft Office
Stream, annotate Microsoft Office documents

Moving forward for Content Navigator

Desktop & mobile document & folder synchronization; IBM Docs integration
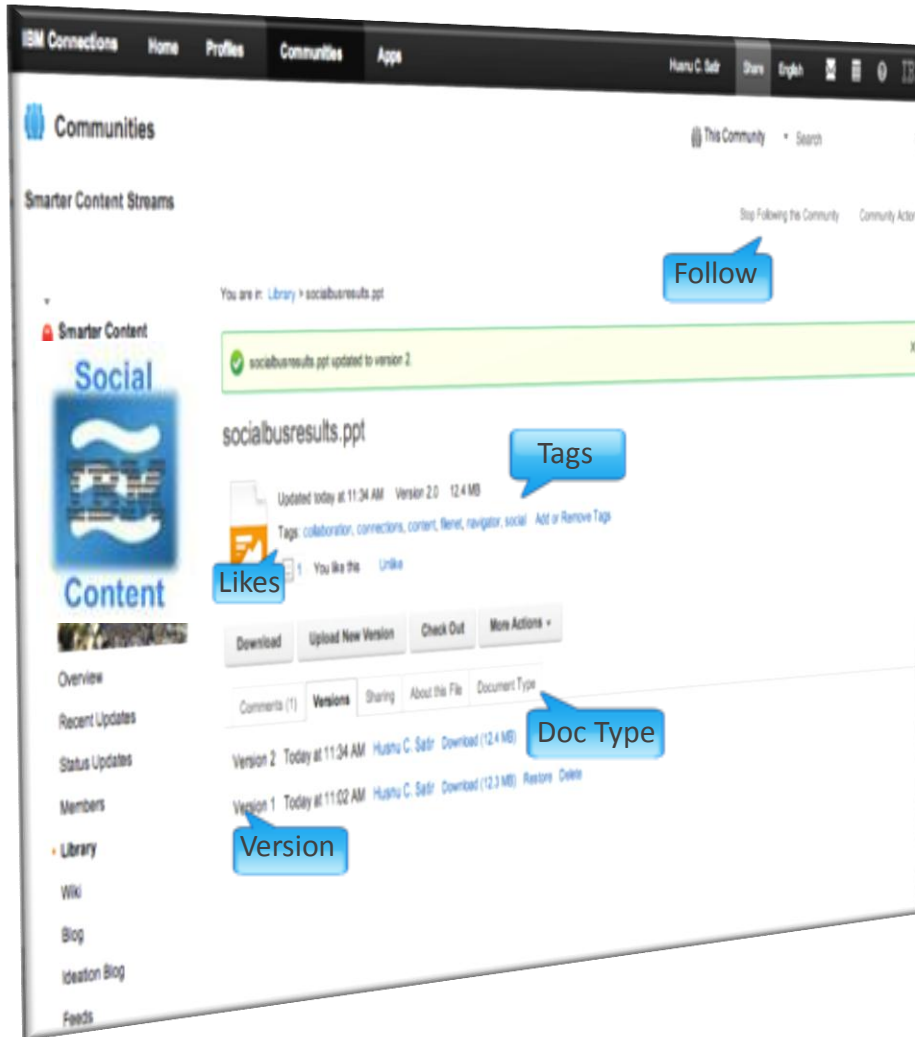
Social concepts for content using "Likes" & "Tags" to promote, discover, describe & categorize

Entry templates for custom UIs and new Web Parts for Microsoft SharePoint including ad hoc copying of content

Track checked out and downloaded documents across ICN apps

IBM ECM + IBM Connections

A single people & document-centric social content solution for the business

CONNECTIONS ENTERPRISE CONTENT EDITION V5.2

- IBM Connections - Business Social Networking

- Enterprise Content w/Social Constructs: likes, tags, comments, download counts

- Content Navigator: web, desktop, mobile

- Full-use of FileNet including APIs

- Leverages "full" APIs for custom applications development and integration

- Access multiple non-IBM repositories via CMIS from single UI

- Mobile Social & Content Management experience

Summary, Q&A, Thank You!

IBM Content Navigator is the standard enterprise content management experience platform, for both IBM and CMIS repositories

IBM Content Navigator is included with the IBM ECM platform, nothing extra to purchase

IBM Content Navigator's benefits to ECM clients both as a toolkit and a user interface are significant, from user to developer to admin, allowing for easy, secure access to enterprise content management from any device

Find out more about IBM Content Navigator:

- IBM Content Navigator Homepage
- Livestream from IOD 2013
- IBM Content Navigator Solution Brief
- IBM Content Navigator Redbook
- IBM Content Navigator Forum
- IBM Content Navigator Mobile Forum
- IBM ECM App Center

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