IBM 🕉

New insights. Better outcomes.

IBM Content Navigator Experience Platform

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ECM Product Management





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Introducing IBM Content Navigator

IBM's collaborative and mobile ECM experience platform

IBM Content Navigator UI:

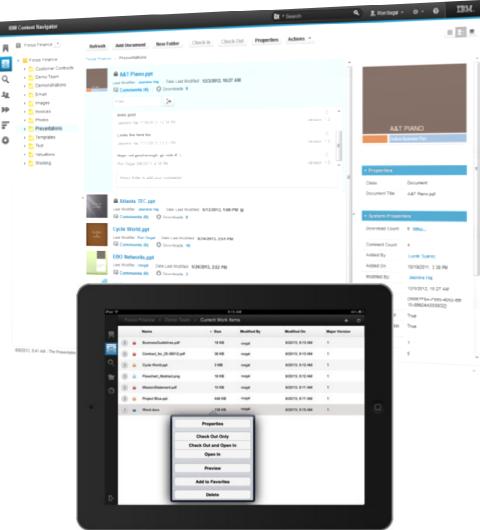
- Modern HTML 5 client for ICF, P8, CM8, CMOD
- CMIS support
- EDS (external data services)
- IBM Content Analytics text search

IBM Content Navigator Framework:

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

Mobile and Office:

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



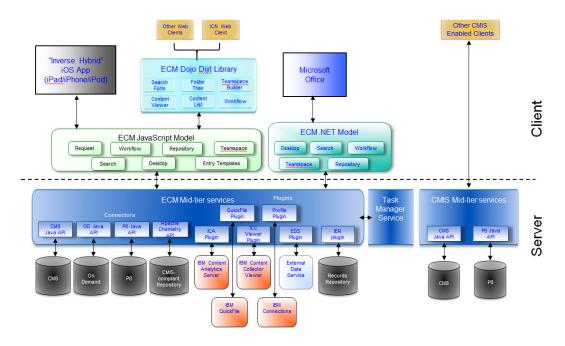
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IBM Content Navigator Framework:

- IBM Content Navigator is the standard enterprise content management <u>experience</u> <u>platform</u>, for both IBM and third party (CMIS) repositories
- IBM Content Navigator is included with the IBM ECM platform - free of charge to licensed IBM ECM clients
- Unified Architecture
 - Build solutions across common infrastructure and capabilities
 - Customization accomplished through Plug-in architecture
 - Platform brings solutions and people together
 - Targets wider range of application servers and browser standards
- Lower cost of ownership
 - Train end users once
 - Train technical staff once
 - Develop solutions once



IBM Content Navigator Architecture







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

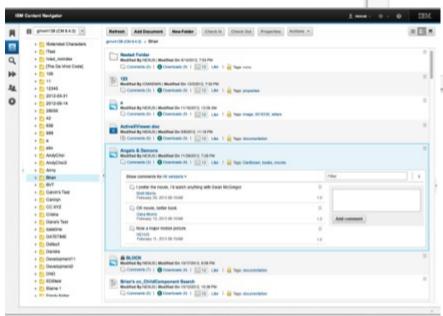
Navigator unifies access to content

- IBM & 3rd party CMIS repositories •
- Consistency across mobile, web, Office ٠

Searches, external data integration, etc.

Unification of ECM capabilities •

Content, Case, ICA, Records, etc.



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IBM Smarter Content 5



Benefits for new & existing IBM ECM clients: Simplification for system administrators

Administration simplified in Navigator

- Deploy apps in minutes
- Content admin also in Navigator
- Easy patching due to plug-in architecture
- Intuitive, web-based administration

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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
 - Export/Import
- 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
- Dojo Dijit (based on Dojo 1.8.4) 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



IEM

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

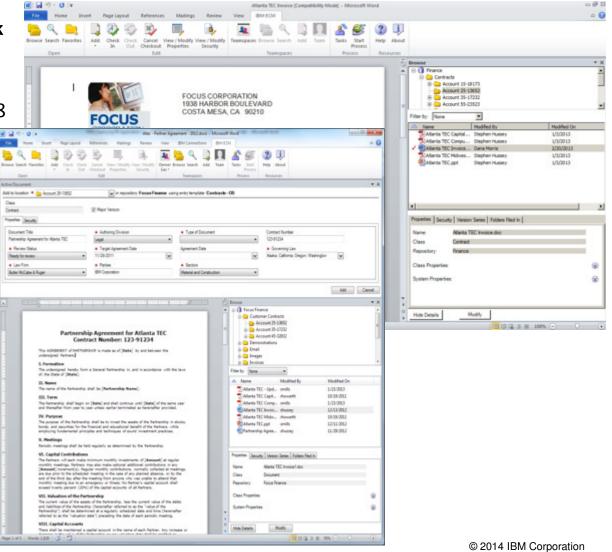
Word, Excel, PowerPoint & Outlook

- 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

8

• 32-bit and 64-bit





IHI

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)

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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



ECM portfolio adoption of IBM Content Navigator

ECM products are adopting Navigator

- Plug-ins for Navigator
- Moving to Navigator framework for product UIs

Delivered or in-process:

- Single UI for ICF, CM8, P8, CMOD (done)
- Microsoft Office Integration (done)
- iOS & Worklight apps (done)
- Case Manager (done)
- Case Foundation (done)
- Content Classification (done)
- Enterprise Records declare & hold (done)
- Enterprise Records admin (done)
- Admin Console for Content Engine (done)
- Content Analytics (next release)
- Datacap (next release)
- ICC for SAP (next release)
- Etc...
- 12 **IBM Smarter Content**

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Adoption examples: IBM Case Manager & IBM Enterprise Records

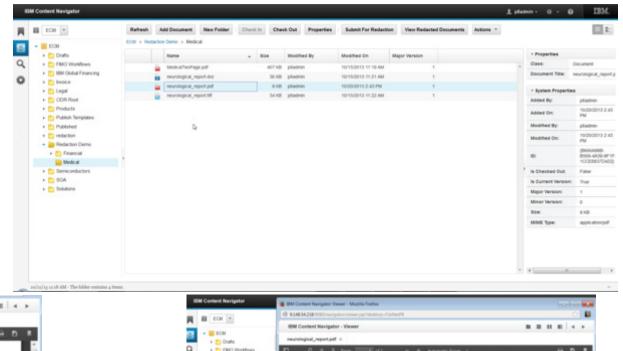
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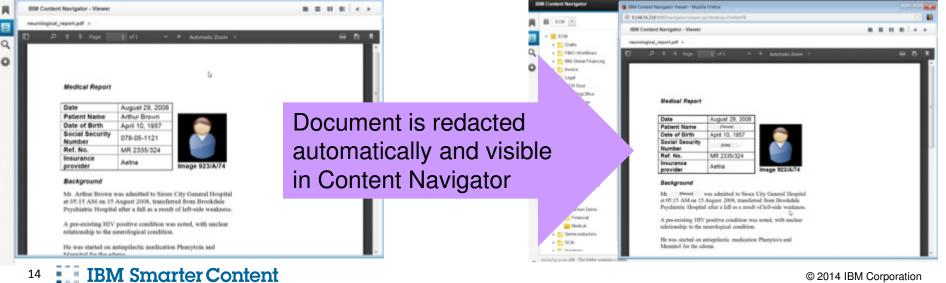




Cross IBM adoption example: IBM InfoSphere Guardium Data Redaction

- Automated redaction of ٠ sensitive information in documents
- Original document is not altered, ٠ redacted document is linked
- Faster and more accurate than manual redaction in viewers
- Redact documents by role of ٠ recipient, rules, etc.



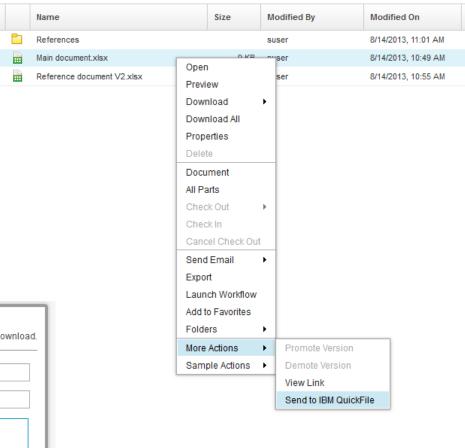




Cross IBM adoption example: IBM Sterling QuickFile

- Securely send IBM ECM documents to anyone, anywhere in the world from Navigator
- Fully auditable; control the lifetime of documents with expiration and notification
- No file size limitations, no email attachments clogging up servers
- Limited use bundle with Navigator (send only, etc.)

*Send to:	owingsbj@us.ibm.com
Subject:	nexus wants to share a file with you
Message:	Here's the document you requested
Expires in:	30 Days
	Notify me when the files are downloaded





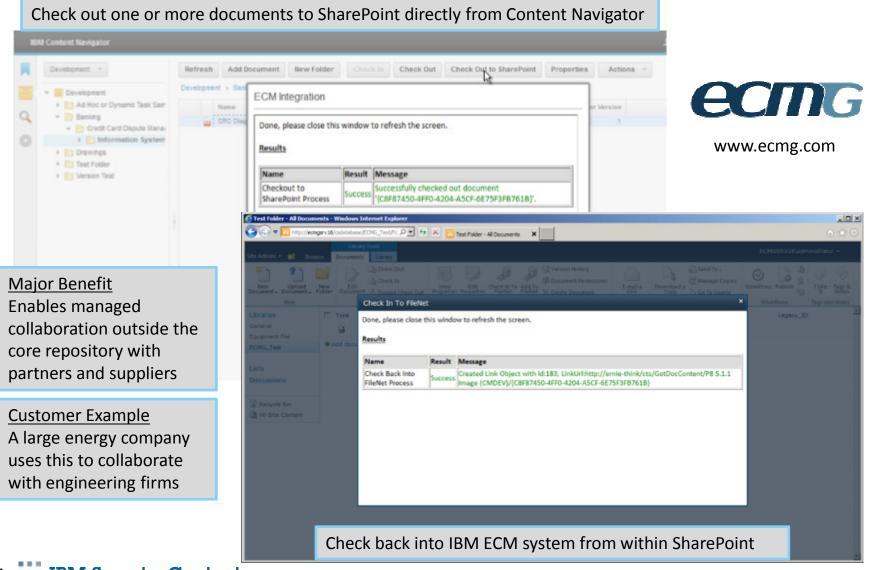
Partners that have adopted IBM Content Navigator

- ASE / Crawford for batch output
- Datawatch has integrated its report mining
- **ECMG** has created roundtrip editing between ICN & SharePoint
- Elinar and ImageTech have both built web parts using ICN
- Informative Graphics and Snowbound have both integrated their viewers
- Neocol has built a full custom UI with ICN
- Genus
- Tritek
- Pyramid Solutions
- Levigo
- Imagine Solutions
- Integrite
- Syscom
- ...and many more!





Partner solution: Roundtrip editing with Content Navigator & 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





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

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¹⁹ **IBM Smarter Content**

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



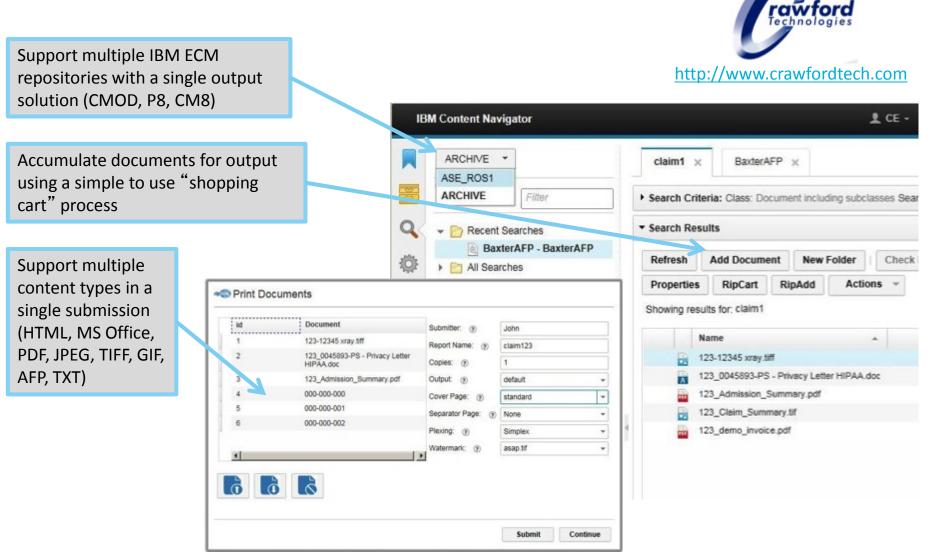
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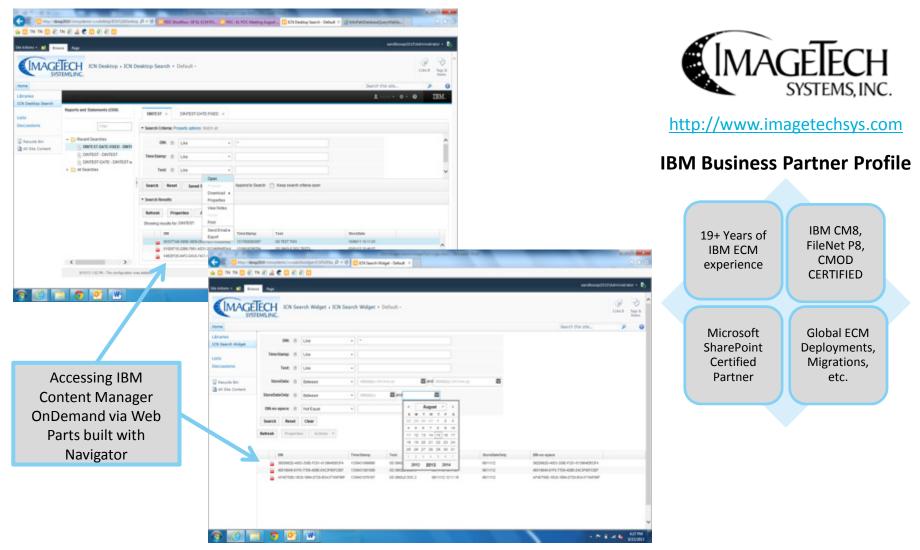




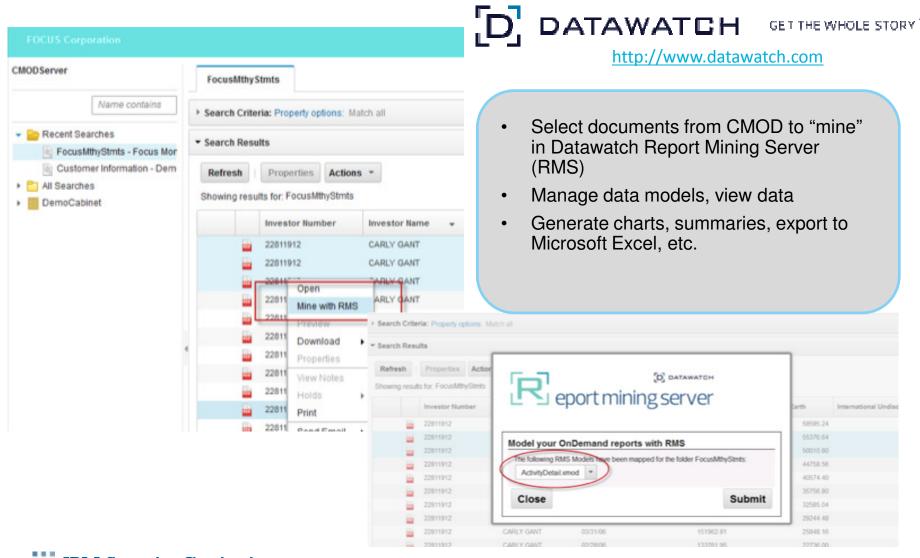
Partner solution: Bulk output for Content Navigator



Partner solution: SharePoint web parts built with Content Navigator



Partner solution: Report mining CMOD with Content Navigator



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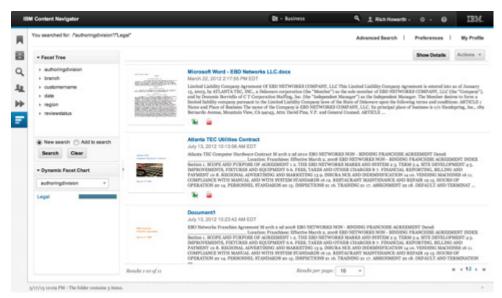


Content Navigator 2.0.0 & 2.0.1 release highlights (June, 2012 & December, 2012)

IBM Content Navigator is a pure HTML5, JavaScript and CSS3 experience platform with an easy to use out of the box user interface. It supports IBM repositories and third parties via CMIS, and a wide variety of platforms, app servers, and databases.

Major features of Content Navigator's first two releases include:

- Favorites
- Browse
- Search
- IBM Content Analytics Enterprise Search
- Teamspaces
- Work
- Web based administration
- Mobile apps
- Office Integration



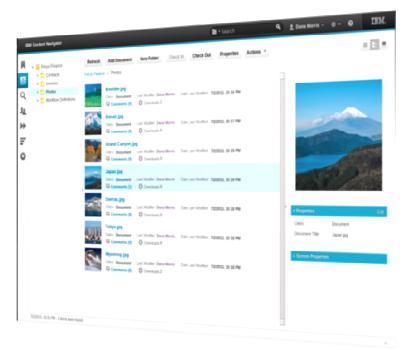




IBM Content Navigator 2.0.2 release highlights (August, 2013)

- Support for IBM Case Manager
- <u>IBM QuickFile</u> and <u>IBM Worklight</u> 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







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** ٠
 - Livestream from IOD 2013 •
 - **IBM Content Navigator Solution Brief** •
 - **IBM Content Navigator Redbook** ٠
 - **IBM Content Navigator Forum** •
 - **IBM Content Navigator Mobile Forum** .
 - **IBM ECM App Center** •



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Demonstrations!

- Content Navigator 2.0.2
- Content Navigator Office Integration
- Mobile App

