



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:

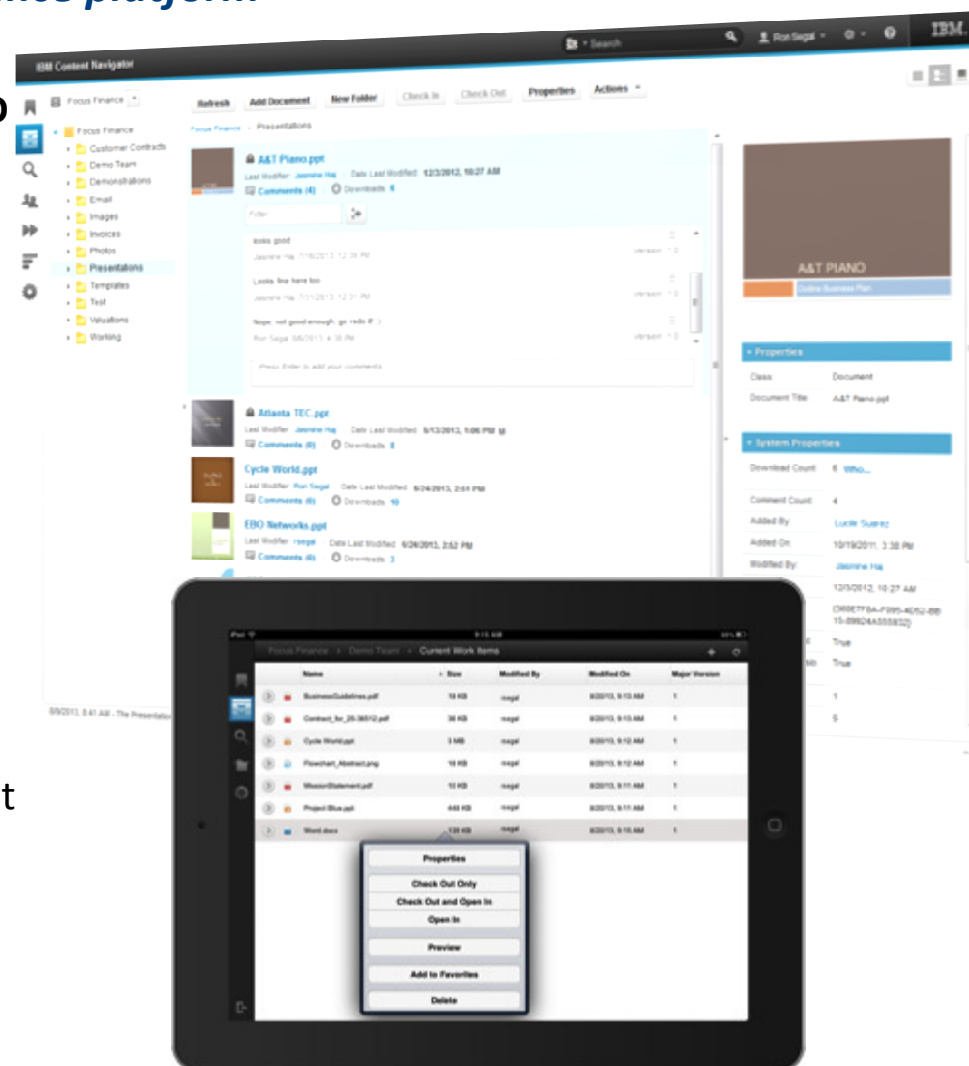
- Modern HTML 5 client for ICF, P8, CM8, CMOD
- CMIS support
- EDS (external data services)
- IBM Content Analytics text search

## 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

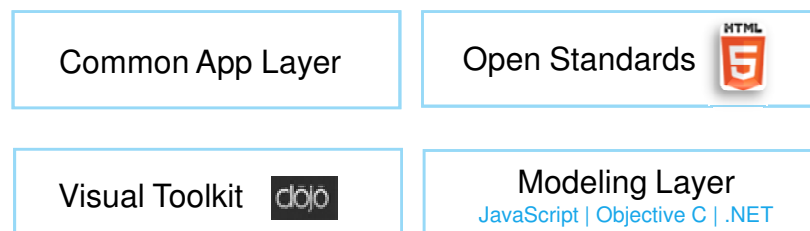
## Mobile and Office:

- 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

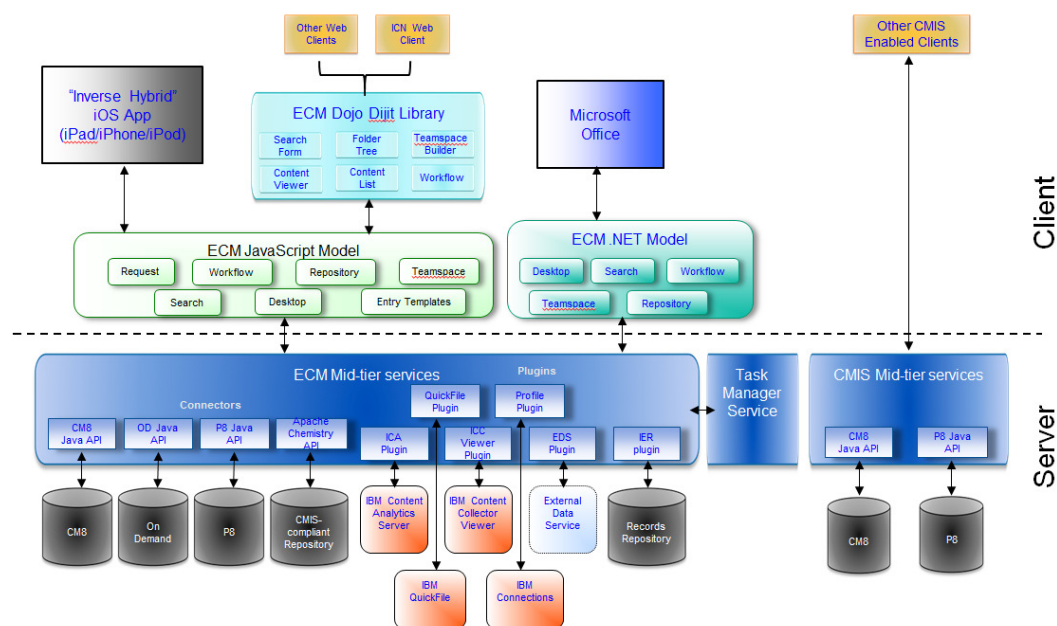


## IBM Content Navigator Framework:

- IBM Content Navigator is the standard enterprise content management experience platform, 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*

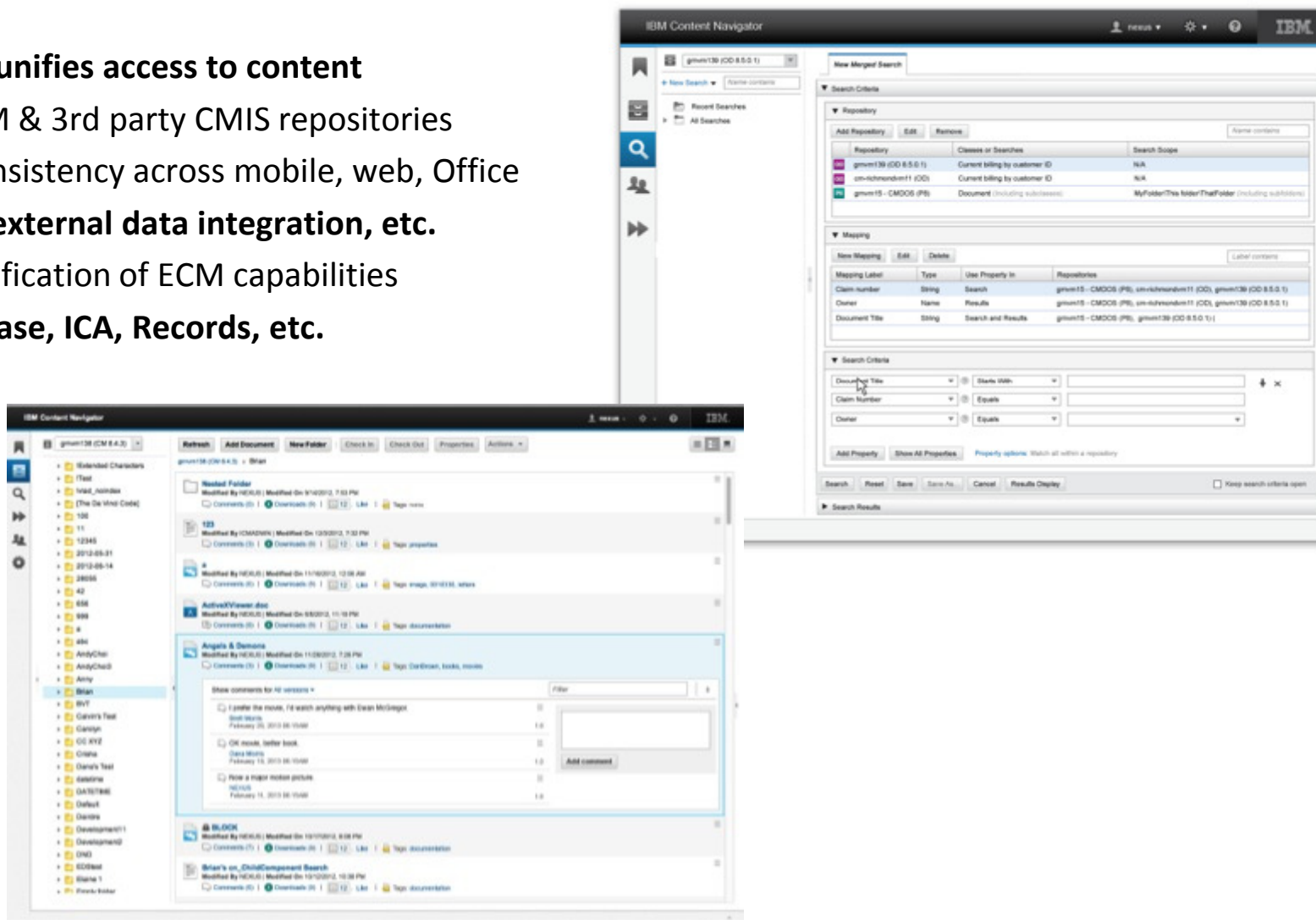
### Navigator unifies access to content

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

### Searches, external data integration, etc.

- Unification of ECM capabilities

### Content, Case, ICA, Records, etc.

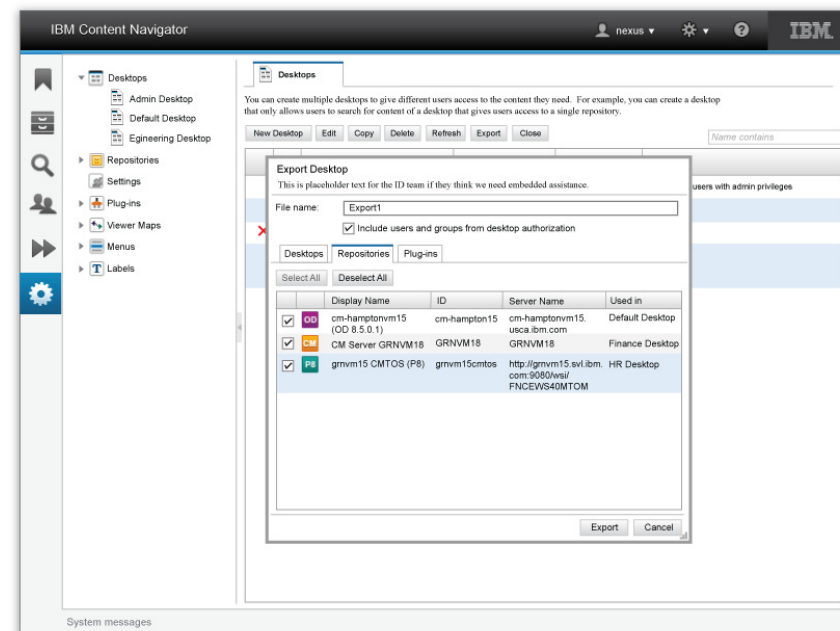
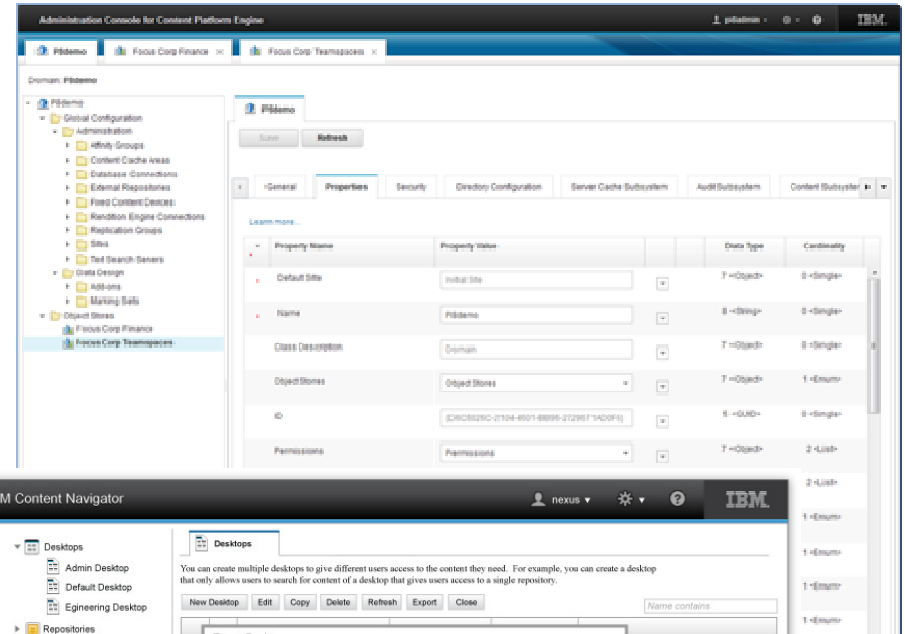


# Benefits for new & existing IBM ECM clients:

## *Simplification for system administrators*

### Administration simplified in Navigator

- Deploy apps in minutes
- 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
  - 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, Teamspace 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 - Message data being set to and from client browsers
- Viewer - Snap in 3rd party viewers
- External data services - Wire in databases, ERP, CRM, etc.

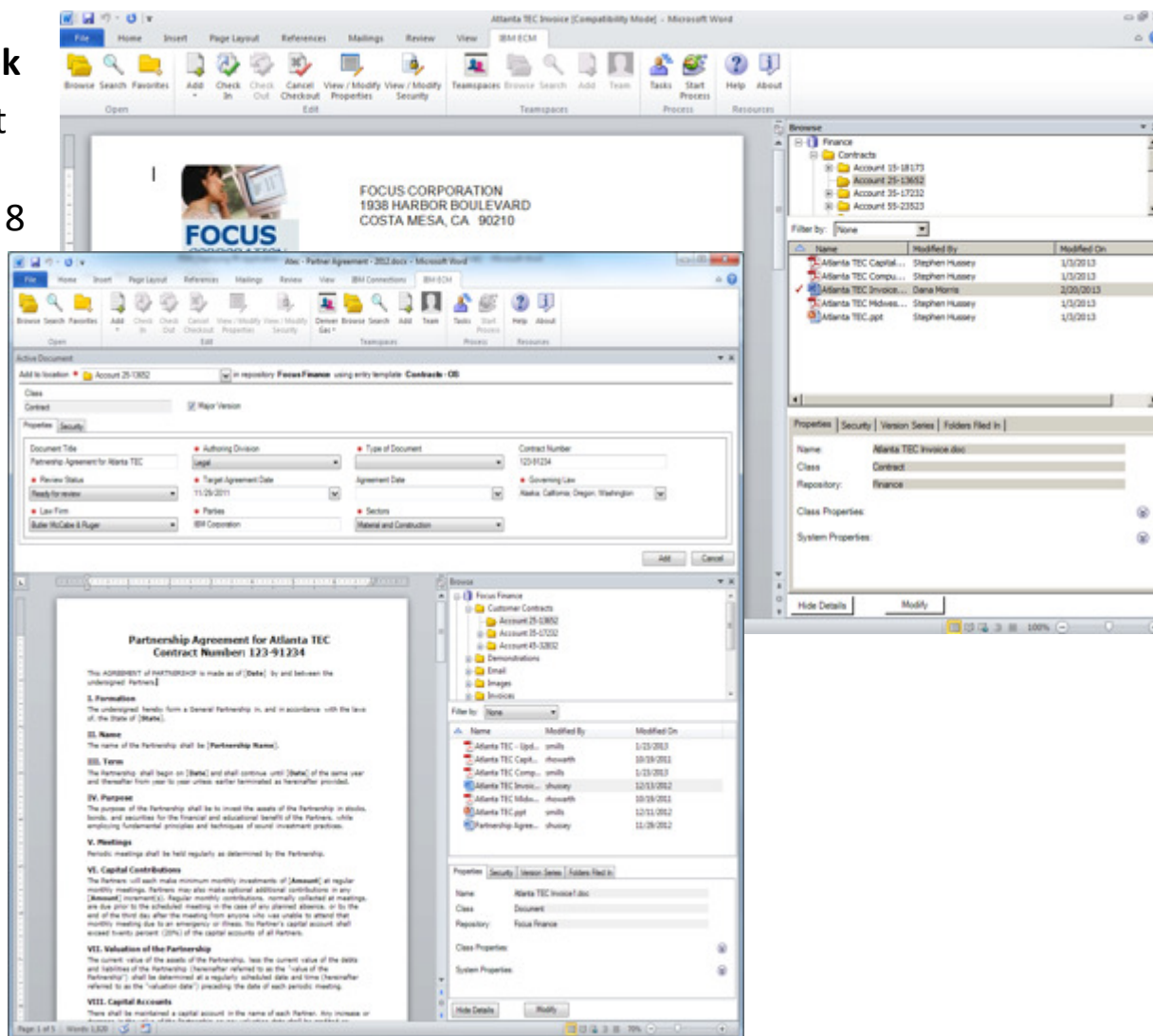
### **Significant development improvements**

- Industry standard (HTML5, JavaScript, CSS)
- Reusable components in 3<sup>rd</sup> 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)

The screenshot displays the IBM Content Navigator interface. On the left, there is a navigation pane with sections: 'Home', 'Recently Modified', 'Libraries', and 'Repository'. The main area is titled 'Browse repository' and shows a file browser for a folder named 'myfolder'. The browser contains a table of files:

Name	Size	Modified By	Mod	Major Version
test		schmidse	6/19	
Milestone.png	15 KB	schmidse	6/19	1
Site.png	219 KB	schmidse	6/19	1

An 'Actions' menu is open over the 'Milestone.png' file, listing various actions such as Open, Preview, Download, Delete, Properties, Check Out, Check In, Cancel Check Out, Send Email, Export, Launch Workflow, Add to Favorites, Folders, and More Actions.

## 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

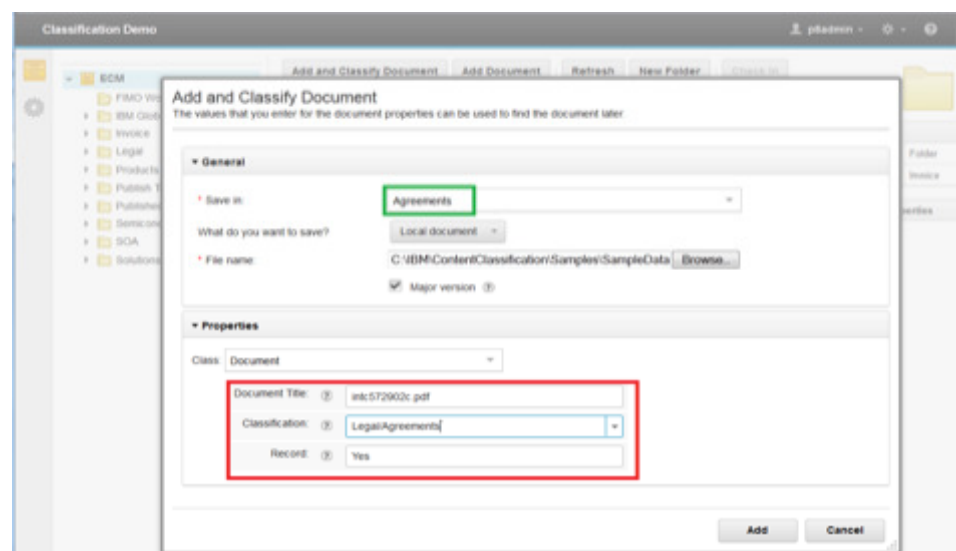
## ECM portfolio adoption of IBM Content Navigator

### 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...



## Adoption examples: IBM Case Manager & IBM Enterprise Records

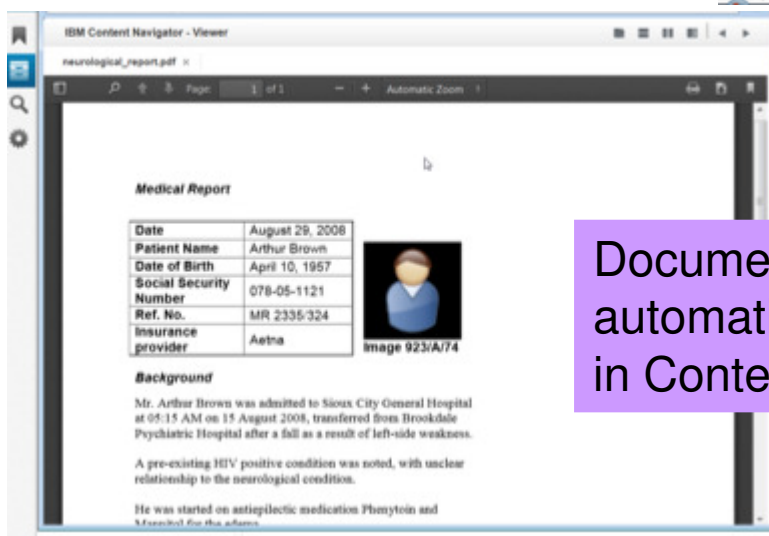
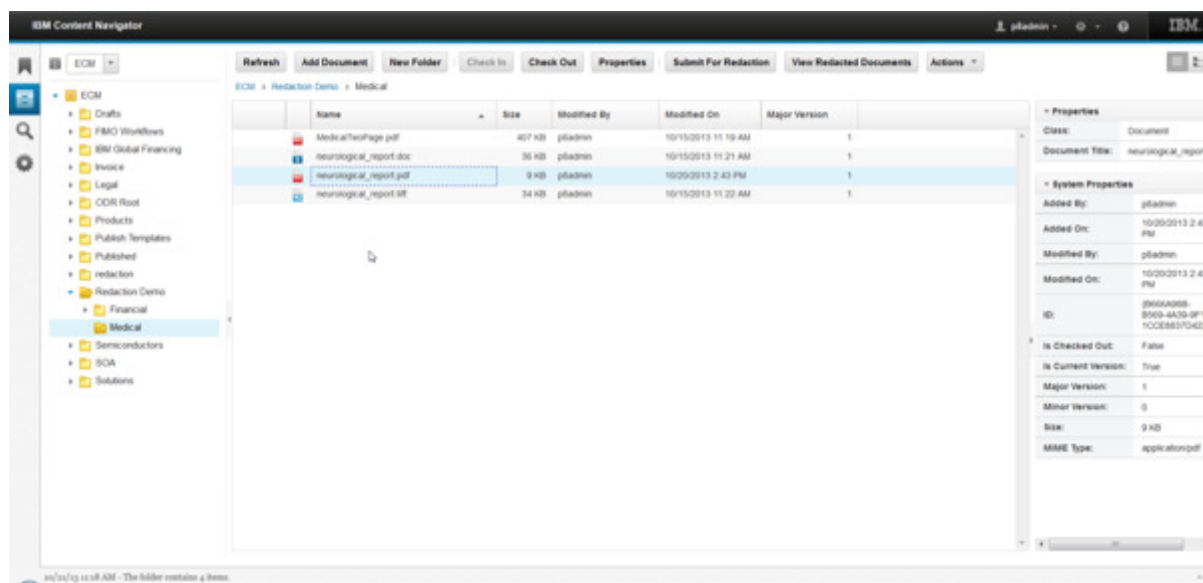
- IBM Content Navigator experience
- Reuse of components across all parts of ECM portfolio
- Integrated development, UI, admin and configuration

The screenshot shows the IBM Case Manager interface. The top navigation bar includes 'Cases' and 'Work' tabs, with the current case 'Case CCDM\_InvestigateFraud\_000000100001' selected. The breadcrumb trail is 'Credit Card Dispute Management | Correspondence Team'. The main content area is divided into 'Documents', 'Tasks', and 'History' tabs. The 'Tasks' tab is active, showing a list of tasks: 'Fraud Investigation' (Started on 8/1/2013, 5:45 AM), 'Process Fraud' (Started on 8/1/2013, 5:45 AM), and 'Review Fraud' (Completed on 8/1/2013, 5:47 AM). On the right side, there are several form fields for case details: 'Assigned Date' (8/1/2013, 12:00 PM), 'Finality Date' (8/1/2013, 12:00 PM), 'Case Owner' (user\_103), 'Customer Name' (user\_103), 'Case Identifier' (CCDM\_InvestigateFraud\_0000), 'Dispute Case State' (Open), and 'Work Item' (Compound Task). Buttons for 'Save' and 'Close' are visible at the top right.

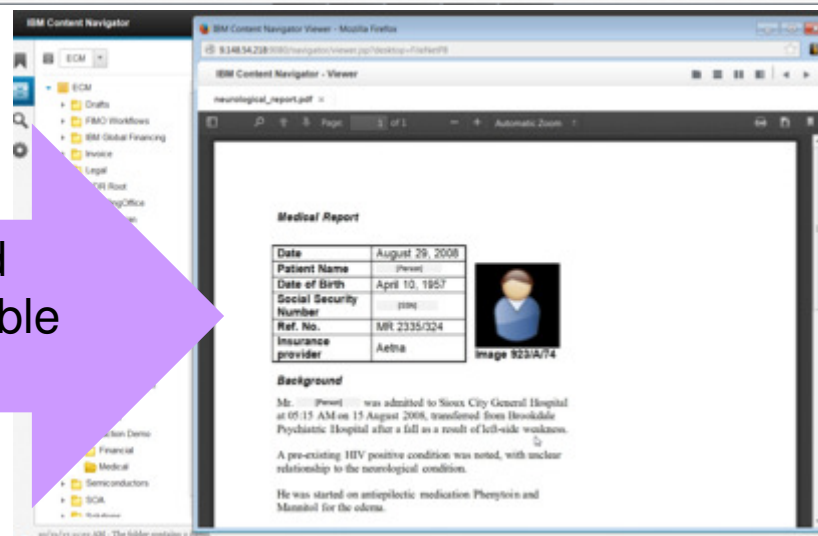
The screenshot shows the IBM Enterprise Records interface. The top navigation bar includes 'Administrator' and the IBM logo. The main content area is a file plan view for 'IER-WIN10-FPOS : File Plan'. The left sidebar shows a tree view of categories and folders. The main area displays a table of records with columns: Name, Container ID, Reviewer, Disposition Instructions, and Current Phase. The table contains various records, including 'aaa', 'ABigTest', 'aokimiCategory', 'arronC', 'arronCategory2', 'arronTest1', 'AutoDestIRC', 'DefensibleDisposalC', 'JarmQaApiTest', 'JLWTopRecCat', 'JMC', 'Keiji\_category', 'LianziCategory', 'MoA', 'ooo', 'REST OF CATEGOR', 'RonCat', 'Stew Cat1', 'StevenWi', 'test', 'test2', 'test3', 'test166', and 'test1666'. Each record has a 'Disposition Instructions' column with buttons like 'newSchedule', 'ReceivedOn', 'destroyRecords', and 'SentOn'. The 'Current Phase' column shows dates like '8/28/2013, 3:00'.

## Cross IBM adoption example: IBM InfoSphere Guardium Data Redaction

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



Document is redacted automatically and visible in Content Navigator



## 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.)

	Name	Size	Modified By	Modified On
	References		suser	8/14/2013, 11:01 AM
	Main document.xlsx	9 KB	suser	8/14/2013, 10:49 AM
	Reference document V2.xlsx		ser	8/14/2013, 10:55 AM

- Open
- Preview
- Download
- Download All
- Properties
- Delete
- Document
- All Parts
- Check Out
- Check In
- Cancel Check Out
- Send Email
- Export
- Launch Workflow
- Add to Favorites
- Folders
- More Actions
- Sample Actions

- Promote Version
- Demote Version
- View Link
- Send to IBM QuickFile

**Send to IBM QuickFile**  
Add files to the IBM QuickFile server and notify users that the files are available for download.

\*Send to:

Subject:

Message:

Expires in:  Days

Notify me when the files are downloaded

## Partners that have adopted IBM Content Navigator

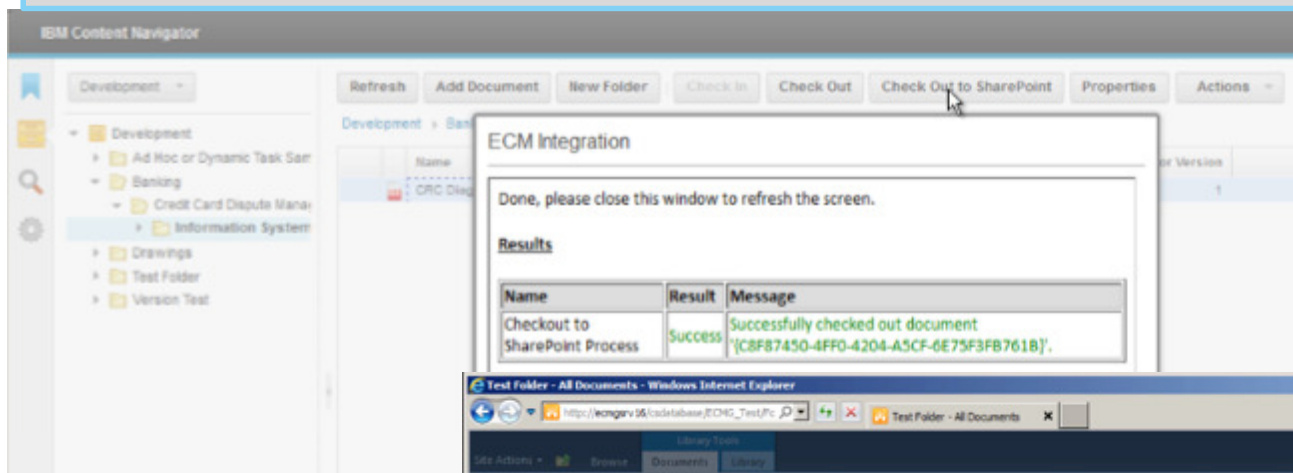
- **ASE / Crawford** for batch output
- **Datawatch** has integrated its report mining
- **ECMG** has created roundtrip editing between ICN & SharePoint
- **Elinar** and **ImageTech** have both built web parts using ICN
- **Informative Graphics** and **Snowbound** have both integrated their viewers
- **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

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



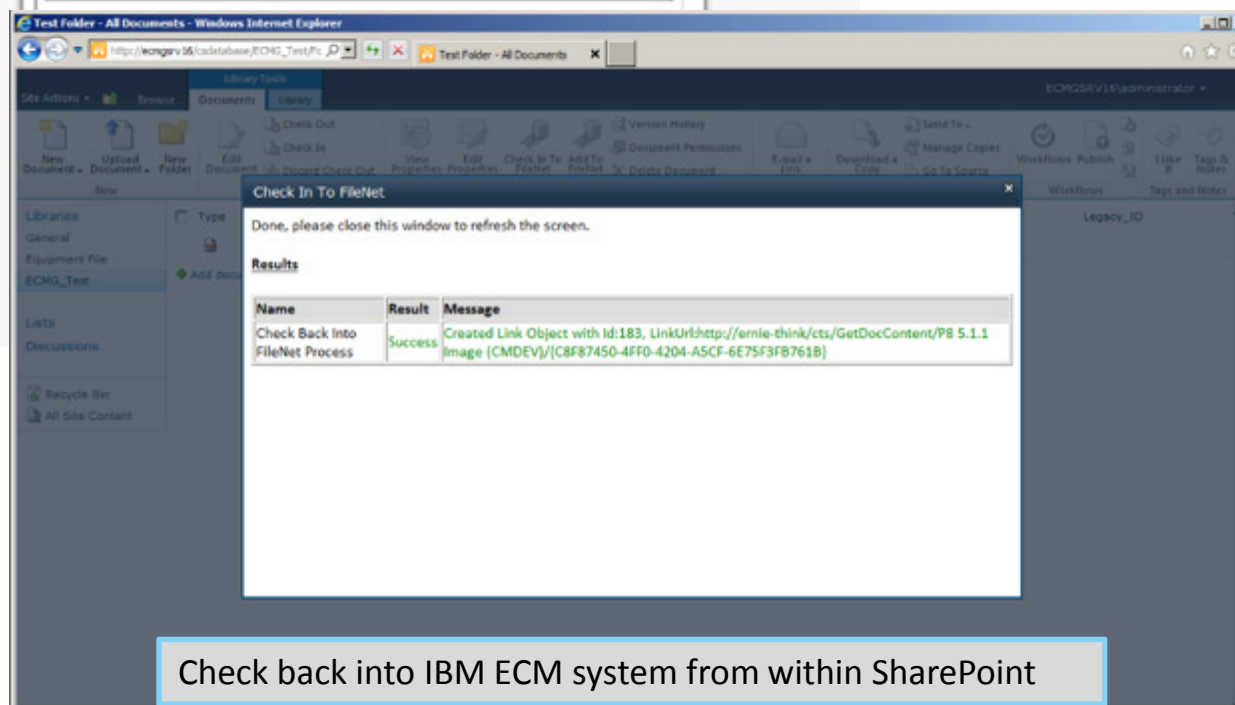
www.ecmg.com

### 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



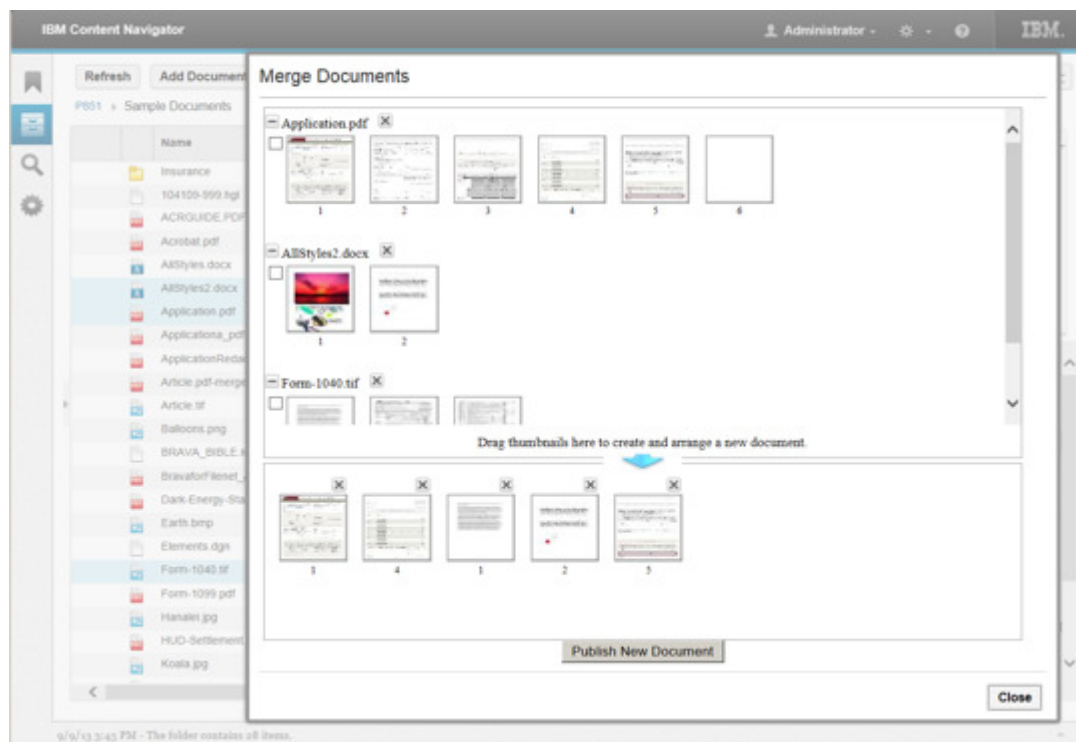
Check back into IBM ECM system from within SharePoint

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

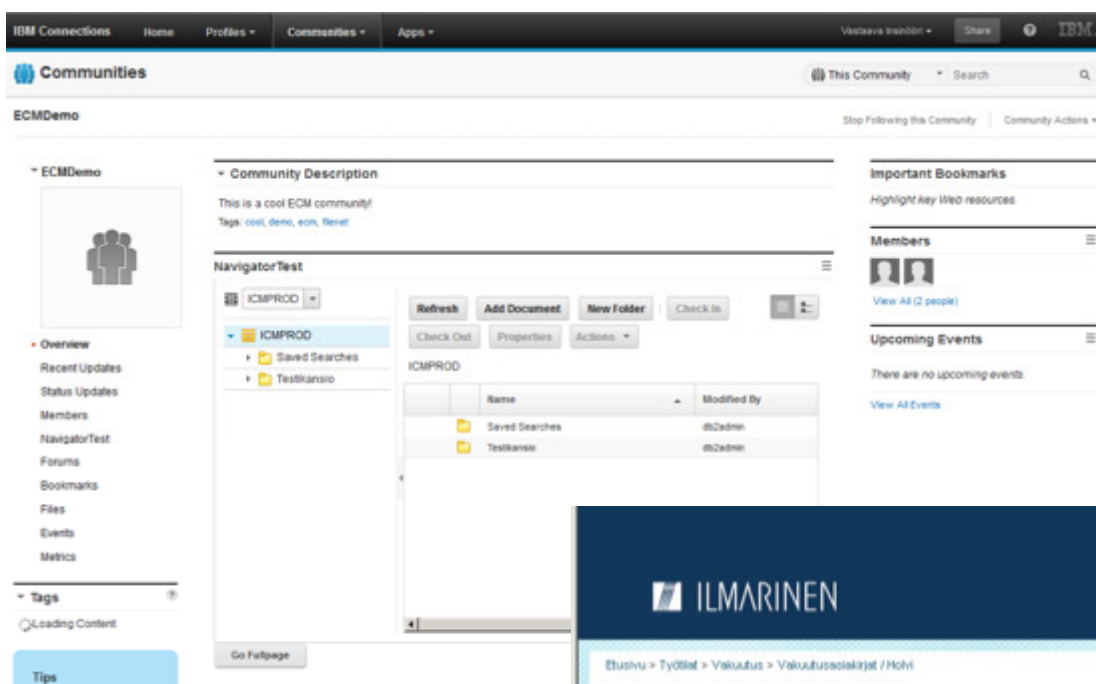
- Brava has been integrated with IBM Content Navigator since the first release
- Brava for IBM Content Navigator makes it easy to find, view, collaborate on and share documents, images and drawings
- Unified viewing experience for both FileNet P8 and Content Manager 8
- Supports HTML5 zero footprint 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



[www.infograph.com](http://www.infograph.com)

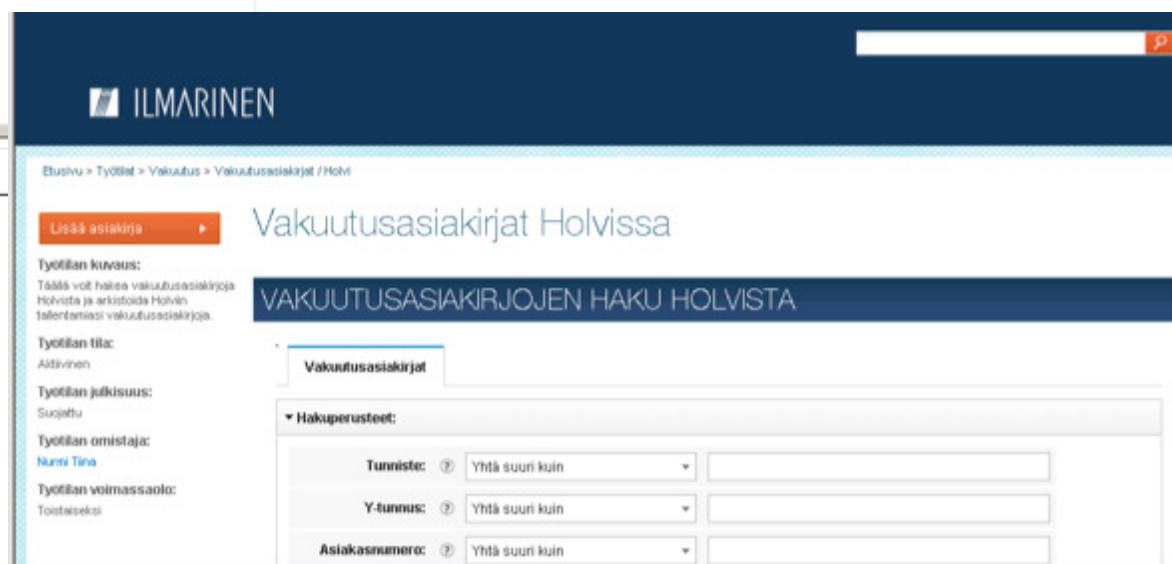


## Partner solution: IBM Content Navigator integrated with IBM Connections & Microsoft SharePoint



www.elinar.com

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



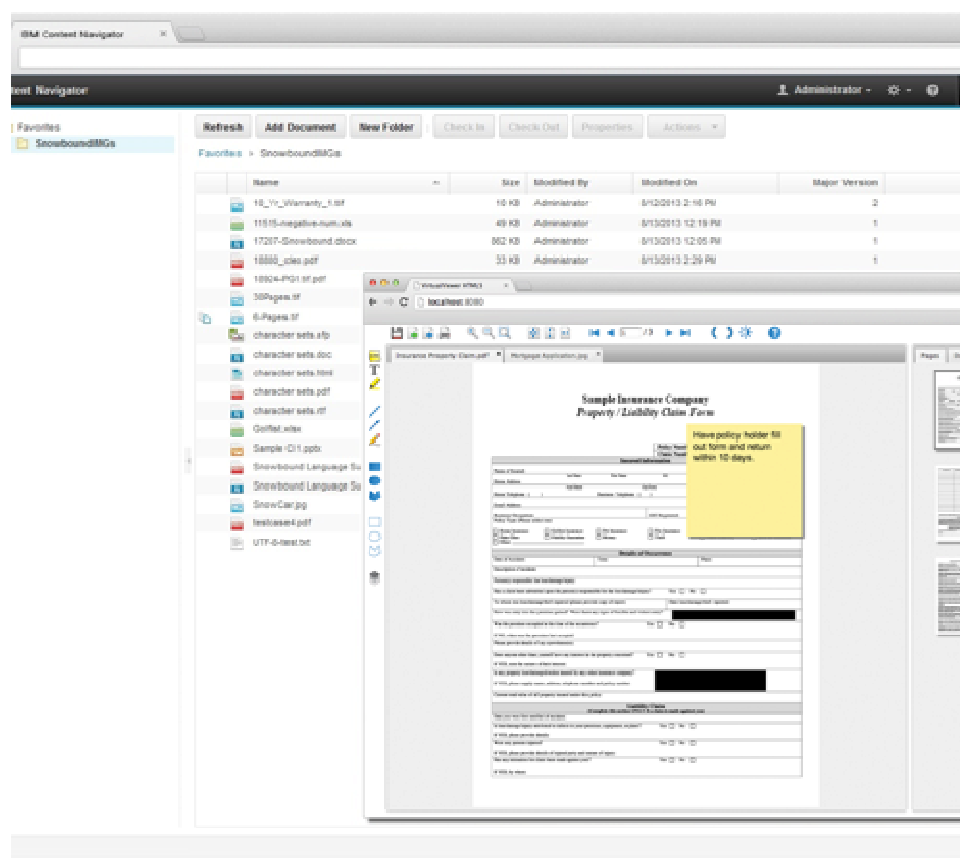
## Partner solution: Enhanced viewing for Content Navigator

### 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



<http://www.snowbound.com>



## Partner solution: Bulk output for Content Navigator



<http://www.crawfordtech.com>

Support multiple IBM ECM repositories with a single output solution (CMOD, P8, CM8)

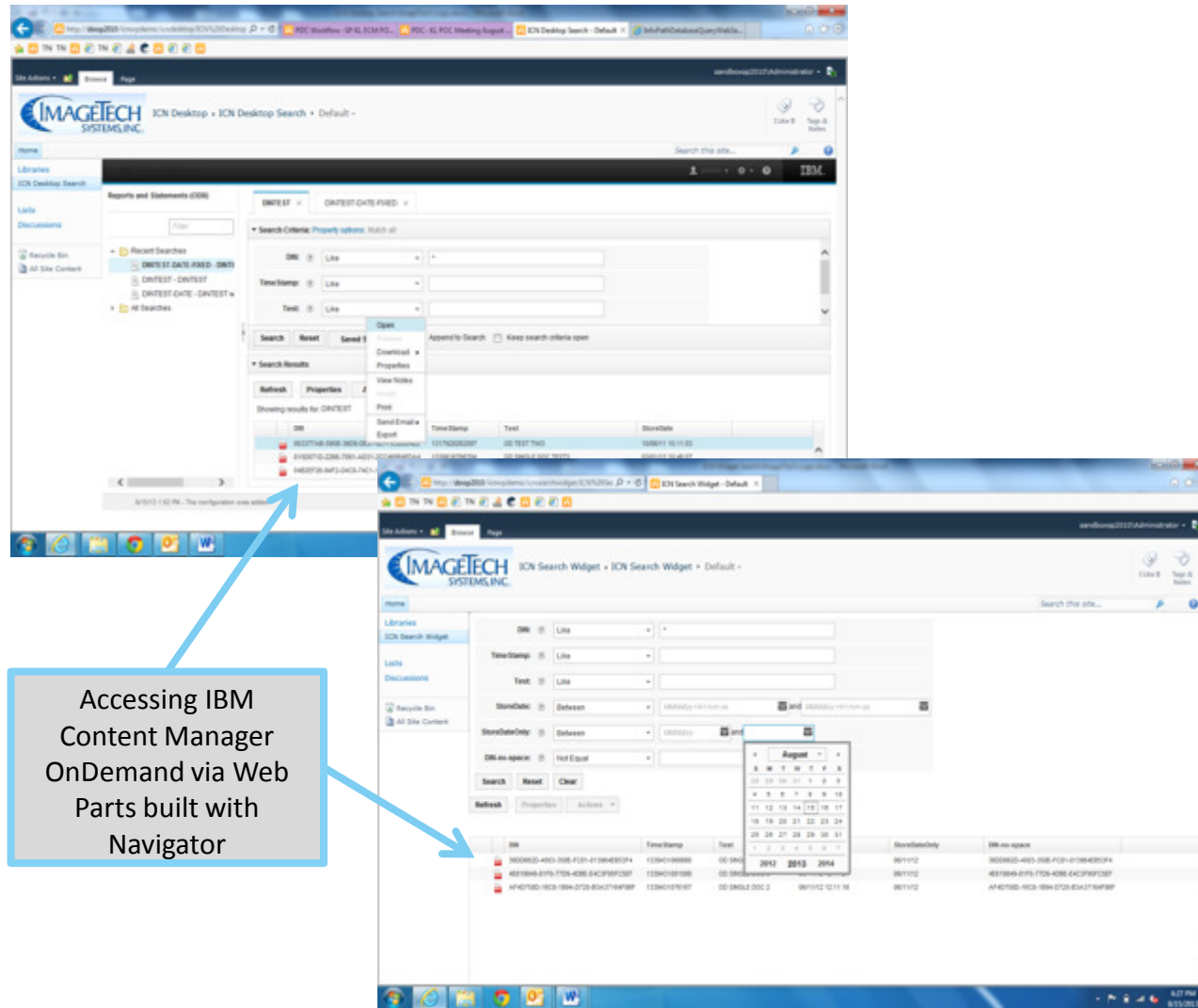
Accumulate documents for output using a simple to use “shopping cart” process

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

The screenshot displays the IBM Content Navigator interface. On the left, a navigation pane shows a 'shopping cart' process with items like 'ARCHIVE', 'ASE\_ROS1', and 'BaxterAFP - BaxterAFP'. The main area shows search results for 'claim1' with a list of documents including '123-12345 xray.tiff', '123\_0045893-PS - Privacy Letter HIPAA.doc', and '123\_Admission\_Summary.pdf'. A 'Print Documents' dialog box is open in the foreground, showing a table of documents to be submitted and various output options.

id	Document	Submitter	Report Name	Copies	Output	Cover Page	Separator Page	Plexing	Watermark
1	123-12345 xray.tiff	John	claim123	1	default	standard	None	Simplex	asap.tif
2	123_0045893-PS - Privacy Letter HIPAA.doc								
3	123_Admission_Summary.pdf								
4	000-000-000								
5	000-000-001								
6	000-000-002								

## Partner solution: SharePoint web parts built with Content Navigator



<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.



## Partner solution: Report mining CMOD with Content Navigator



<http://www.datawatch.com>

The screenshot shows the Content Navigator interface for 'FOCUS Corporation'. On the left, there is a sidebar with 'Recent Searches' including 'FocusMthyStmts - Focus Mor' and 'Customer Information - Dem'. The main area shows search criteria 'Property options: Match all' and search results for 'FocusMthyStmts'. A table lists results with columns 'Investor Number' and 'Investor Name'. A context menu is open over one of the rows, with 'Mine with RMS' highlighted.

Investor Number	Investor Name
22811912	CARLY GANT
22811912	CARLY GANT
22811912	CARLY GANT
22811912	CARLY GANT
22811912	CARLY GANT
22811912	CARLY GANT
22811912	CARLY GANT
22811912	CARLY GANT
22811912	CARLY GANT
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22811912	CARLY GANT
22811912	CARLY GANT
22811912	CARLY GANT
22811912	CARLY GANT

- 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.

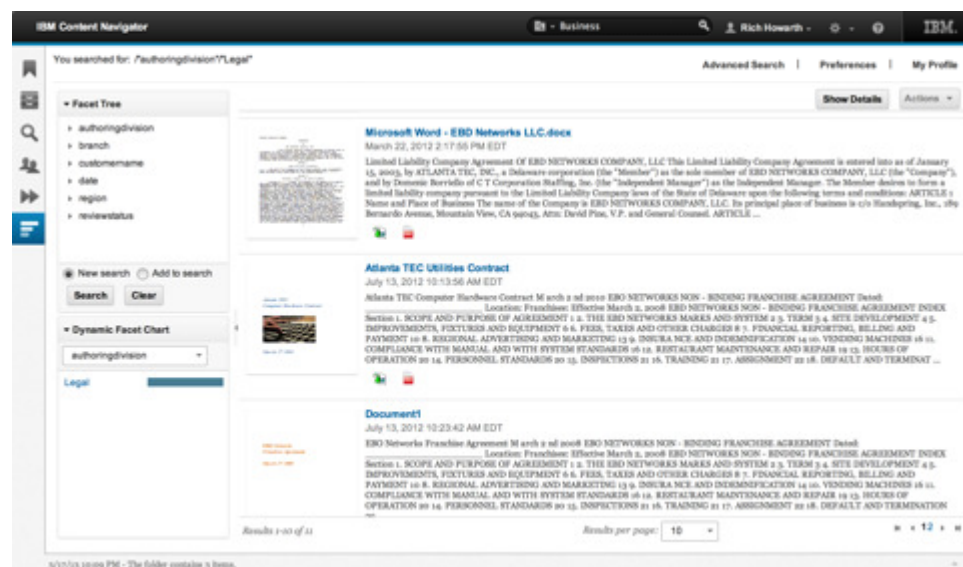
The screenshot shows the DataWatch Report Mining Server interface. A dialog box titled 'Model your OnDemand reports with RMS' is displayed. It contains the text: 'The following RMS Models have been mapped for the folder FocusMthyStmts:'. Below this text, a dropdown menu shows 'ActivityDetail.xmod' selected. There are 'Close' and 'Submit' buttons at the bottom of the dialog. In the background, a table of search results is visible, similar to the one in the previous screenshot.

## 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:

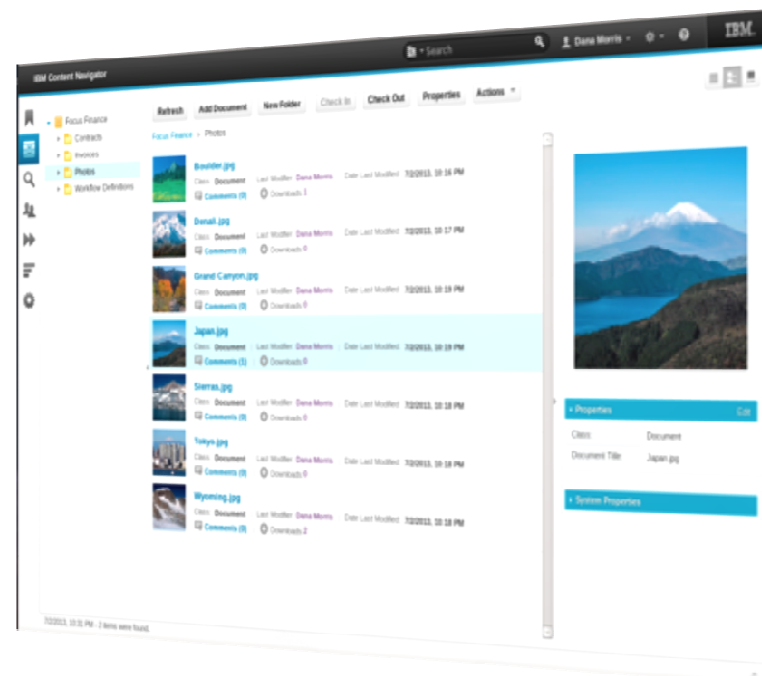
- Favorites
- Browse
- Search
- IBM Content Analytics Enterprise Search
- Teamspaces
- Work
- Web based administration
- Mobile apps
- Office Integration





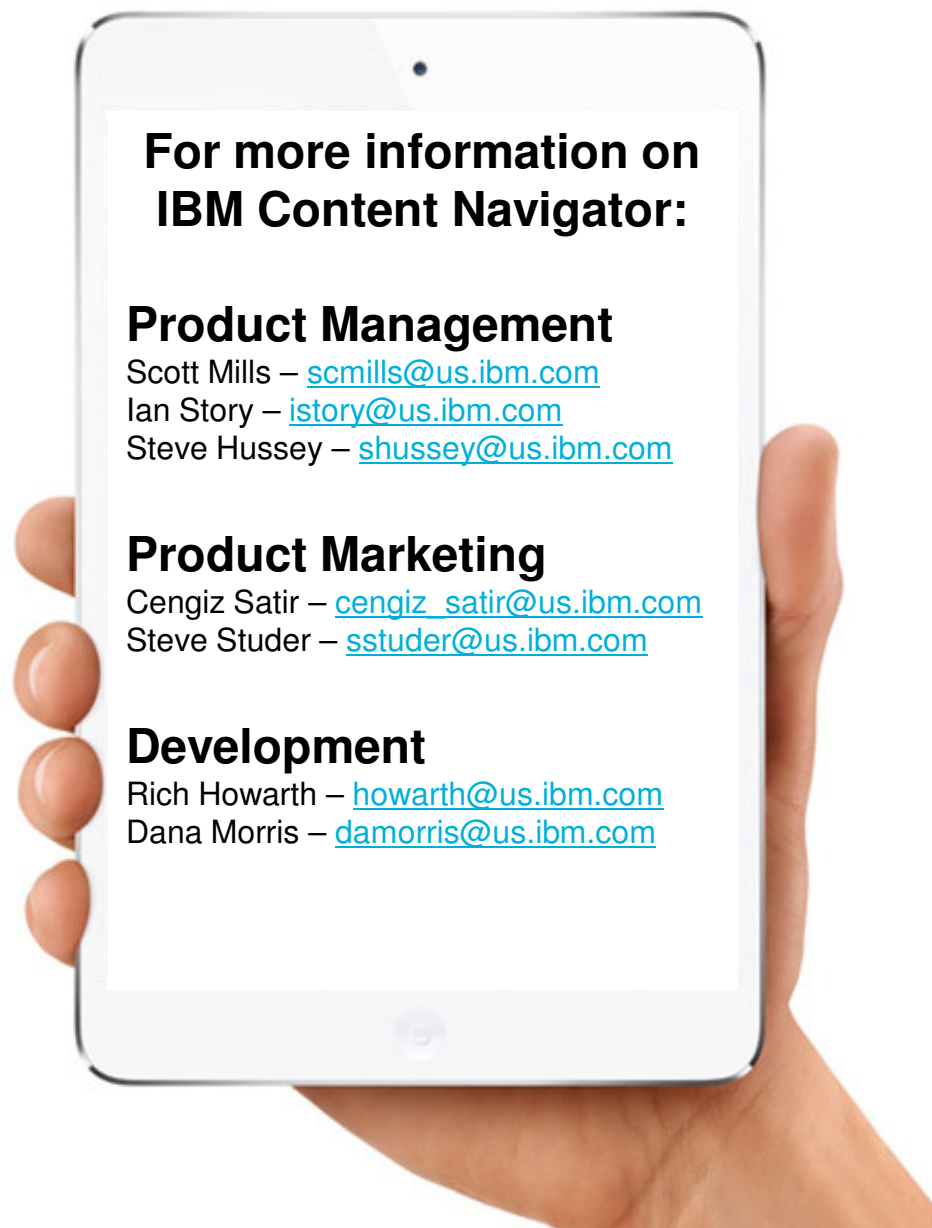
## IBM Content Navigator 2.0.2 release highlights (August, 2013)

- Support for IBM Case Manager
- [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



## 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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## Demonstrations!

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