

Joseph Raby October 2014



Product Architecture Training

FileNet Content Manager 5.2.1 IBM Content Foundation 5.2.1

New Feature Overview



Perspective



5.2.0 Release

	10/1/2011 - 3/21/2013 5.2.0 Release					- 6/30 ²			013 - 3/8/2014 5.2.0.3	ı		
	1/1/2012	4/1/2012	7/1/2012	10/1/2012	1/1/2013	4/1/2	2013	7/1/2	013	10/1/2013	1/1/2014	
10/1/2011											3/	8/20 ⁻



5.2.1 Release



USER EXPERIENCE



Desktop synchronization with ECM systems (P8)



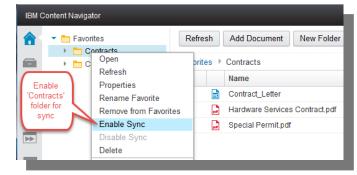
Provide a simple way for clients to sync and collaborate on documents right on their desktop/mobile device.

Client benefit

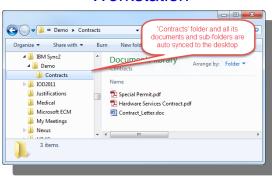
Provides easy file management ensuring you always have the latest documents on all your devices; both new documents and document updates are always managed in your FileNet repositories.

Provides two-way sync of repository objects (Documents, Folders and Teamspaces) for the Windows platforms.

Browser



Workstation







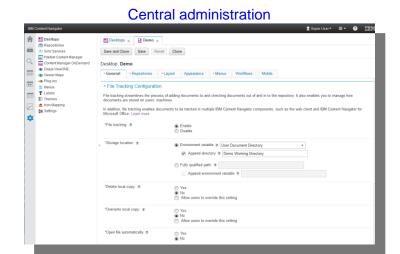
File Tracking for checked out/downloaded documents across ICN apps (P8 and CM)

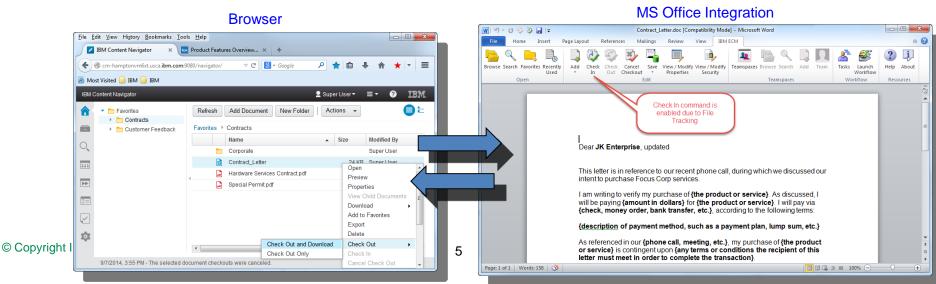


Make it easier for end users to make updates to documents from either the web client and/or the Office integration

Client benefit

End users can checkout and download Office documents from teamspaces and cases and check their changes in from within Office seamlessly.





Create and manage entry templates with integrated data layout editor (P8 and CM)

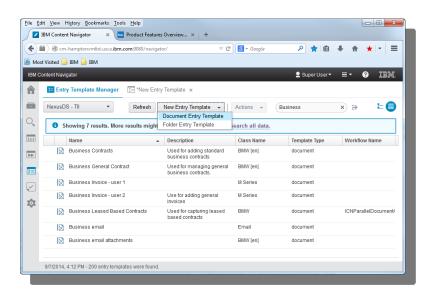


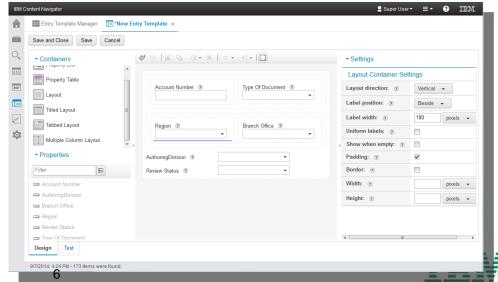
Provide native support for managing entry templates including integration with property layout capability.

Client benefit

Business users can design entry templates for IBM ECM repositories to greatly simplify and streamline the content authoring experience for end-users.

Integrated property layout design enables the enterprise to easily customize the content authoring visual layout without requiring development effort.





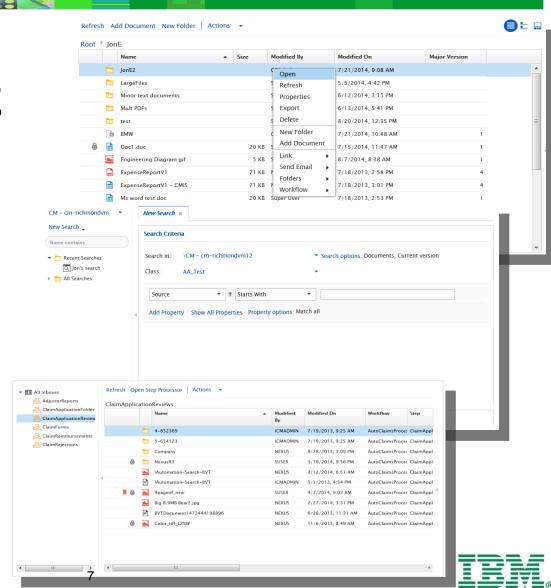
SharePoint integration (P8/CM/CMOD/CMIS)

Client benefit

Seamlessly integrate Navigator features such as browse, search, and workflow into Microsoft SharePoint. Allows ICN users to copy content from IBM ECM back in to the SharePoint environment for continued collaboration.

Feature Highlights

- ■SharePoint 2010 and 2013
- Installer provides 3 pre-configured Web Parts
- -Browse (P8, CM and CMIS)
- -Search (P8, CM, OD and CMIS)
- -Work Items (P8 and CM)
- ■ICN SharePoint plugin includes:
- -Desktop definition
- -Custom default portal menus
- -Layout (configure browse, search and work item features)
- -SharePoint theme



Daeja ViewONE Virtual viewer (View P8/CM/CMOD/CMIS and Annotate P8)



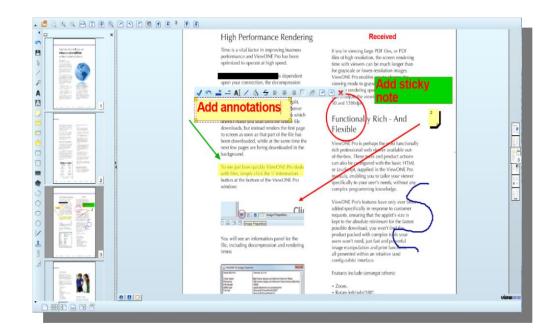
Provide a zero footprint viewing experience

Client benefit

Using the Daeja ViewONE Virtual viewer means that no application, plug-in, or applet must be installed or downloaded on the client. The native browser on the machine or device is enough to provide the viewing capabilities.

Feature Highlights

- DHTML 5-based
- Feature set is a subset of ViewONE Professional
- Available for all repositories
- Annotation support (P8 Only)
- Office module available as an upsell





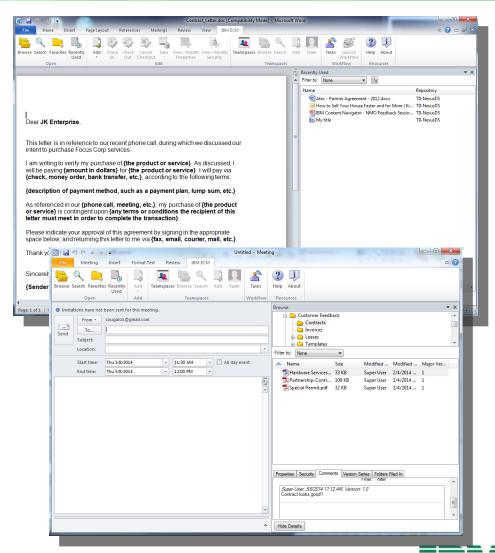
Integration for Microsoft Office



Make it easier for end users to work with Microsoft Office based documents. Provide improved administration of Content Navigator for Microsoft Office

Feature Highlights

- Productivity enhancements
- Support saving document updates (P8 Only)
- Recently used list
- My Checkouts list
- Round trip content editing between Office and ICN web client
- Auto delete of opened documents after closing
- Expanding Outlook integration
- Outlook category to indicate when email is managed in repository
- Administration
- Default download location
- Configuration.ini settings moved to ICN administration UI
- Centralize bootstrap settings



ADMIN AND ARCHITECTURE



Report generation enablement

Easily deliver reports across content applications for IT, business users and applications



- New background data extraction jobs
 - Allows a query to be executed as a sweep process
 - Can extract millions of rows
- Use familiar CESQL for queries
 - Includes samples
- Aggregation functions
 - COUNT, MAX, MIN, SUM
- Custom functions
 - E.g. User display name lookup and Date formatting
- Data extracted to report tables
 - Optionally generate a CSV file for desktop app use

E.g. Document usage by

- User
- Class
- Storage Area
- Month
- Year

Row	User	Class	Count	Size	First Created	Last Modified
	1 MickJagger	Invoice	3000	150000	2000-01-01 00:00:00.0	2014-05-18 22:33:44.766
	2 MickJagger	Application	400	320000	2000-01-01 00:00:00.0	2014-05-18 22:33:53.153
	3 MickJagger	PoliceReport	2500	200000	2000-01-01 00:00:00.0	2014-05-18 22:34:46.287
	4 MickJagger	MonthlyStatement	4000	32000	2000-01-01 00:00:00.0	2014-05-18 22:36:31.196
	5 KeithRichards	Invoice	2000	60000	2000-01-01 00:00:00.0	2014-05-18 22:37:24.985
	6 KeithRichards	Application	20	10000	2000-01-01 00:00:00.0	2014-05-18 22:37:25.346
	7 KeithRichards	PoliceReport	3000	900000	2000-01-01 00:00:00.0	2014-05-18 22:38:44.499
	8 KeithRichards	MonthlyStatement	4400	44000	2000-01-01 00:00:00.0	2014-05-18 22:40:36.071
	9 KeithRichards	MedicalReport	2000	600000	2000-01-01 00:00:00.0	2014-05-18 22:41:34.792
1	0 KeithRichards	Policy	150	22500	2000-01-01 00:00:00.0	2014-05-18 22:41:39.373
1	1 KeithRichards	Claim	1000	400000	2000-01-01 00:00:00.0	2014-05-18 22:42:04.897
1	2 CharlieWatts	Invoice	500	20000	2000-01-01 00:00:00.0	2014-05-18 22:42:25.988



Report generation enablement

Easily deliver reports across content applications for IT, business users and applications



Client goal

As an IT owner or a business owner I need to report on content and activity in my repository on a regular basis

- Chargebacks
- Capacity planning
- Business unit and application
- Document age/usage

Object Store A Report tables Report Joh Report Joh

Client benefit

IT Administrators can respond to reporting needs with data extracts consumable from advanced reporting tools and from desktop applications



FileNet

Admin controlled data extraction



Business user report creation



Storage replication

On-prem and cloud deployments can replicate content to reduce disaster recovery times



Client goal

As a system owner, I would like to design and deploy a backup / disaster recovery solution for my content that does not rely on hardware based replication

I also need to optimize storage for regional users

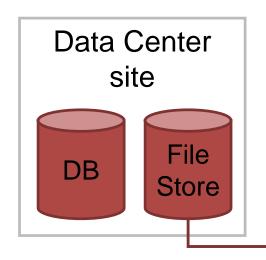
Benefits

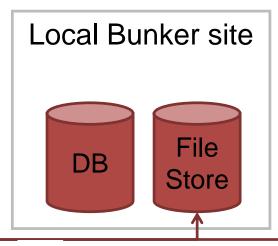
More cost effective disaster recovery solution

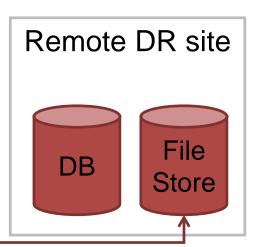
Speeds failover recovery times

Mix storage types to suit the business needs

Active-active storage gives regional users high responsiveness for retrievals, adds and updates beyond caching







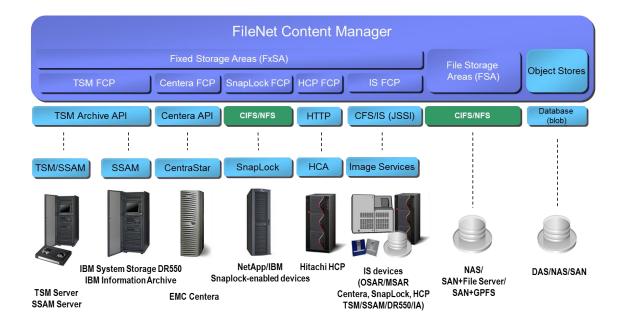
Sync

Expanding storage options

Supporting the latest storage devices and cloud storage with existing content migration capabilities



- IBM Softlayer storage
 - Not restricted to cloud hosted systems
 - Add as a storage type of on-prem ECM
 - Migrate content as needed to cheaper storage tier based on value and access
- EMC ATMOS
- EMC Isilon





Zero Downtime when applying Patch or Fix-Packs

Customers requiring 7/24 operations apply fixpacks without planned downtime

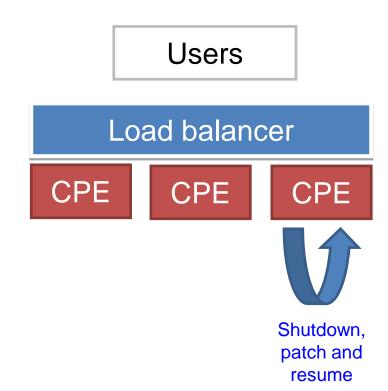


Client goal

As a customer, I would like to deploy new fix packs and patches for FileNet Content Manager to my ECM environment, during production hours, without causing my users to experience a service outage.

Client benefit

Significant reduction in planned downtime. Ability to raise the SLA for ECM applications. Only full release upgrades still require planned outages





Multi-Domain Support

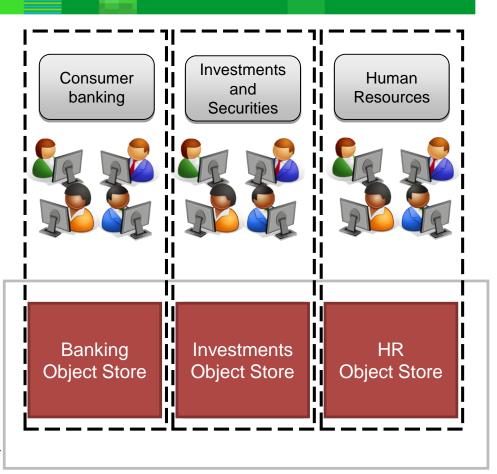
Supporting multiple business units or companies from a single system

Client goal

As a customer, I need to provide services for multiple business units or companies from the same system while protecting both data and user visibility across business boundaries

Client benefit

Cost and overhead are reduced by using a single infrastructure rather than maintaining a single system for each business unit or company





Automation of administration tasks

Schedule periodic maintenance

Client goal

As an administrator, I perform periodic maintenance on documents under management including data reorganization, cleanup, and other custom tasks specific to my implementation. I need to automate these tasks and, where possible, schedule them to run outside of user working hours

Client benefit

Custom tasks can be automated and scheduled across large sets of content. Tasks can be included as part of normal administration of the system using the OOTB browser based administration tools allowing administrators to perform their tasks from any location or workstation type.





Read-only role for ACCE

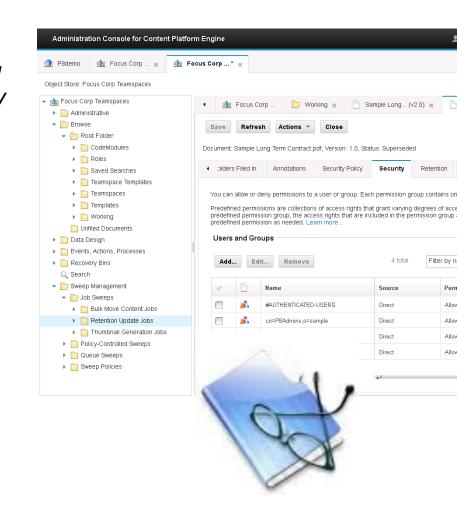
Control developer and support staff rights

Client goal

As a developer or support technician, I need access to repository information at a very detailed level to develop solutions or to resolve issues for users of an existing solution. Full access to ACCE (Administration Console for Content Platform Engine) provides this information but adds risk that I may change something with unintended consequences.

Client benefit

Users can be granted access to ACCE with read-only access rights, thereby ensuring that all information can be accessed by multiple developers and support staff without risk of solution breakage.

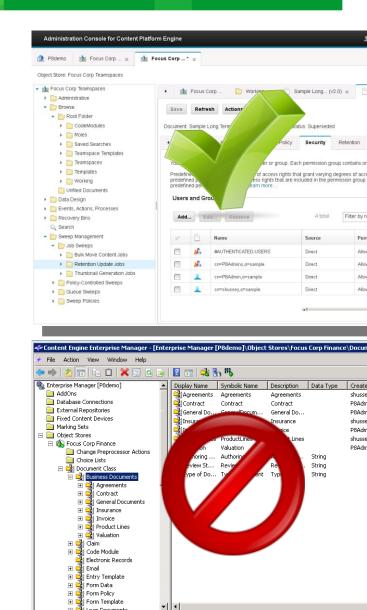




Administration moves to browser

FileNet Enterprise Manager discontinued

- FileNet Enterprise Manager (thick desktop admin) will not ship with this release
- Administration Console for Content Platform Engine (ACCE) is the browser based administration tool moving forward
- Note: Customers with procedures and policies documenting the use of FEM will have to change to use ACCE



Cloud Enablement



Report Enablement



EMC Storage: ATMOS Cloud Storage, Isilon



Storage Replication / Redundancy



Streaming Support



Continuous Availability



Read-Only Admin Access



Cloud Based Storage



Multi-Tenancy

Enterprise Manageability



Custom Sweep Operations



Content Access in a Distributed Environment



Administrative Enhancements



Compound Index Creation



WebSphere Security Domains

Portfolio and Solution Integration



IBM Connections Availability



IBM Docs Support



Subscription and Notifications



Case Foundation Enhancements



Event Log Scalability



Case Insensitive Search



Administrative Enhancements



Task Property
Synchronization



Suspend/Resume Process



No Workplace XT Dependency



Globalization Support

Requirements Summary	Supported	Comments
IBM Globalization Enablement Basic Support	Yes	
Translation to Group 1 Languages	Yes	Existing translation limitation still exists for FEM and System Dashboard. There are no plans to translate the installers for CPE, CSS, and CFS.
Translation to Group 2, 3, and 4 Languages	Group 2: Arabic, Catalan, Danish, Dutch, Finnish, Greek, Hebrew, Norwegian, Portuguese, Swedish, Thai, and Turkish. Group 3: Bulgarian, Croatian, Czech, Hungarian, Kazakh, Polish, Romanian, Russian, Slovak, Slovenian Group 4: Vietnamese*	Same as for Group 1 Languages. Languages in Blue are new for this release.
Worldwide Simultaneous GA	Yes	

^{*} Vietnamese will be post qualified.



Deprecations

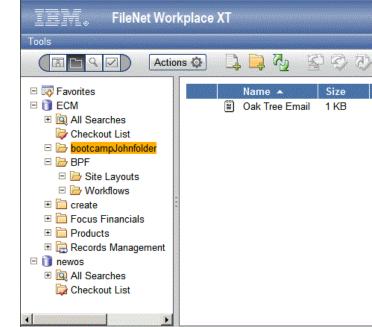


- Navigator is the recommended user experience
- Start budgeting for application and user migration
- Deploy Navigator and explore the benefits to your users

Deprecation is not withdrawal

- Deprecated capabilities continue to be supported for the full life cycle of the release
- Deprecation indicates that in a follow-on release the feature <u>may</u> be withdrawn
 - For example, the next release of a product may withdraw any previously deprecated feature
 - Deprecated features can continue to be included in later versions of products.





Deprecation Announcements

Deprecated Feature	Rationale	Communication
Workplace	IBM Content Navigator (ICN) is the strategic user experience platform for IBM ECM's portfolio going forward. Over time, ICN will become a functional replacement for WorkPlace and WorkPlace XT.	This deprecation announcement does not mean that these components have been removed from FileNet CM in the 5.2.1 release.
Workplace XT	IBM Content Navigator (ICN) is the strategic user experience platform for IBM ECM's portfolio going forward. Over time, ICN will become a functional replacement for WorkPlace and WorkPlace XT.	This deprecation announcement does not mean that these components have been removed from FileNet CM in the 5.2.1 release.
FileNet Integration for Microsoft Office (FIMO)	This functionality is now available through ICN. Customers are advised to use ICN's integration capabilities for Microsoft Office products going forward.	This deprecation announcement does not mean that these components have been removed from FileNet CM in the 5.2.1 release.



Deprecation Announcements

Deprecated Feature	Rationale	Communication
JBoss	This deprecation announcement cautions licensees that due to technical considerations, future releases of FileNet CM may no longer support JBoss.	This deprecation announcement does not mean that JBoss is not supported with FileNet CM in the 5.2.1 release.
SharePoint Web Parts	The functional capabilities of SharePoint Web Parts is now provided as part of Content Navigator v2.0.3 which is provided as a bunled component of FileNet CM 5.2.1	This deprecation announcement does not mean that these components have been removed from FileNet CM in the 5.2.1 release.
HP-UX	This deprecation announcement cautions licensees that due to lack of demand, future releases of FileNet CM may no longer run on HP-UX.	This deprecation announcement does not mean that HP-UX is not support with FileNet CM in the 5.2.1 release.



Removal Announcements

Removed Feature	Rationale	Communication
FileNet Enterprise Manager (FEM)	The functional capabilities of FileNet Enterprise Manager are being migrated to Administration Console for Content Platform Engine" (ACCE).	FileNet Enterprise Manager will be deprecated and removed from FileNet CM 5.2.1.



SWG Development Requirement: Server Operating System Support Matrix



Operating Systems	N-2	N-1	N	N+1
z/OS (64bit)	1.12	1.13	2.1	
AIX (Power)	5.3	6.1	7.1	
Solaris (SPARC)	9	10	11	
Solaris (x86-64)	9	10	11	
Red Hat Enterprise Linux (x86-64 & System z)	4	5	6	7 (2Q 2014)
Red Hat Enterprise Linux (System p)	4	5	6	7 (2Q 2014)
SUSE Linux Enterprise Server (x86-64 & System z)	9	10	11	12 (4Q 2014)
SUSE Linux Enterprise Server (System p)	9	10	11	12 (4Q 2014)
Windows Server (x86-64)	Server 2008	Server 2008 R2	Server 2012	Server 2012 R2
HP-UX (IA64 & PA RISC) *FNCM only		11i V2 (No CSS)	11i V3 (No CSS)	

Legend:

Supported and tested
(if not tested, mark with *)

Newly supported and tested in this release (if not tested, mark with *)

Unsupported

Support planned in future release

Support dropped as of this release.

Notes: 1) Content is taken from SWG operating system support priorities as of 10/2013

https://w3.tap.ibm.com/w3ki08/display/PPCoP/Priority+Platform+Support+Policy+and+Support+Matrix



SWG Development Requirement: Client Operating System Support Matrix



Operating Systems	N-2	N-1	N	N+1
Red Hat Enterprise Linux Desktop* (x86-32 & x86-64)	4	5	6	7 (2Q 2014)
SUSE Linux Enterprise Desktop* (x86-32 & x86-64)	9	10	11	12 (4Q 2014)
Windows Desktop (x86-32 & x86-64)	Windows XP	Vista & Windows 7	Windows 8*	Windows 8.1
Windows Desktop w/ USGCB	Windows XP	Vista & Windows 7 w/IE 8	Windows 8 (USGCB Pending)	Windows 8.1 (USGCB Pending)
Mac OS X (x86-64)	Snow Leopard 10.6 Browser Clients Only	Lion 10.7* Browser Clients Only	Mountain Lion 10.8* Browser Clients Only	Mavericks 10.9 Browser Clients Only

Notes:

1)FileNet Enterprise Manager, Consistency Checker, Publishing Style Template Manager and .NET clients are supported on Windows only.

2)FDM is supported on Windows and RHEL only

3)Mac OS X is only supported for web application browser clients only.

Legend:

Supported and tested
(if not tested, mark with *)

Newly supported and tested in this release

(if not tested, mark with *)

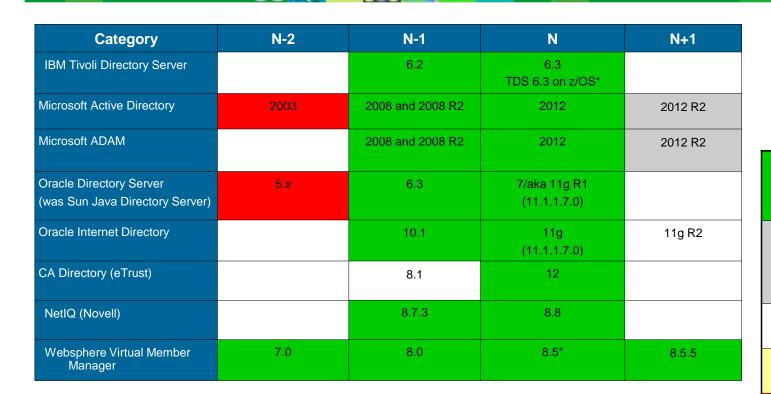
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Division Focus Areas: LDAP Support Matrix



Legend:

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Unsupported

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Division Focus Areas: Database and Application Server Support Matrix



Databases	N-2	N-1	N	N+1
DB2 z/OS¹ JDBC driver²		9.1 IBM Universal 3.50.152	10 IBM Universal 3.50.152	11 (Q4 2013)
DB2 LUW JDBC driver ²	9.5 IBM Universal 3.57.90 or 3.57.110	9.7 IBM Data Server Client 3.58.82 or 4.8.87	10.1 IBM Data Server Client 4.13.127 or 3.63.123	10.5 IBM Data Server Client 4.16.53 or 3.66.46
DB2 Purescale JDBC driver ²		9.8* IBM Data Server Client 3.58.82 or 4.8.	10.1 IBM Data Server Client 4.13.127 or 3.63.123	10.5 IBM Data Server Client 4.16.53 or 3.66.46
Oracle JDBC driver ²		11g 11.1.0.7.0	11g R2 11.2.0.1.x	12c R1 12.1.0.1
SQL JDBC driver ²	2008 2.0	2008 R2 3.0	SQL 2012 4.0	SQL 2014 4.0
Application Servers				
WebSphere	7.0	8.0	8.5	8.5.5
JBoss AS	4.2.1	5.0.1	5.1.0 No WPXT	7.0
JBoss EAP	4.3	5.0/5.1	5.2	6.1.1
WebLogic	10g	11g R1 Minimum 10.3.2	12c Minimum 12.1.1	

Legend:

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Support planned in future release

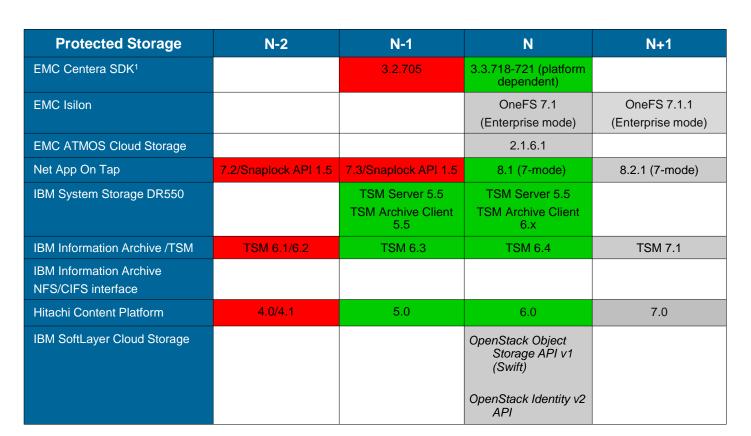
Support dropped as of this release



1)Case Analyzer Engine service does not support publishing to DB2 z/OS 2)Version 4 JDBC drivers are required



Division Focus Areas: Protected Storage



Legend:

Supported and tested (if not tested, mark with *)

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Unsupported

Support planned in future release

Support dropped as of this release

Notes:

1) Refer to Centera compatibility matrix for compatible CentraStar versions.



3rd Party: Product / Stack Support Matrix

Runtime (Client)	N-2	N-1	N	N+1	
Microsoft .NET	2.5	3	4	4.5 (4.5.1)	
IBM & SUN JDK	1.5	1.6	1.7	1.8 ^(a)	
Visual Studio	2008	2010	2012	2013	
3 rd Party					
Liquent	LES 3.1.4.46	LES 3.1.4.50-3	IR 4.0		
Verity K2	N/A	N/A	6.5.1.2	N/A	
Stellent	8.3.5	8.3.7	8.4.1		
Source repository sup	Source repository support directly with Content Platform Engine 5.2.1				
CFS-CMOD	8.4.x MP 8.4.x z/OS V6 iSeries	8.5 MP* 8.5 z/OS*	9 MP 9 z/OS 7.1 iSeries*	9.5 MP 9.5 z/OS 7.2 iSeries	
CFS-IS	4.1.1	4.1.2	4.2		
Source repository sup	port through IBM Conter	nt Integrator 8.6.	x		
P8	5.0	5.1	5.2.0	5.2.1	
CS		5.4	5.5		
СМ8	8.4.1 MP & z/OS	8.4.2 MP* & z/OS*	8.4.3 MP & z/OS	8.5 MP & z/OS	
Livelink	9.7*	9.7.1*	10*		
Documentum	6.0*	6.5*/6.6*	6.7*	7.1 ^(b)	

Legend:

- (a) Pending App Server support
- (b) Pending ICI team support

Supported and tested

(if not tested, mark with *)

Newly supported and tested in this release

(if not tested, mark with *)

Unsupported

Support planned in future release

Support dropped as of this release



Division Focus Areas: Case Analyzer Client (OLAP Connector) Platform Support Summary



Legend:

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Unsupported

Support planned in future release

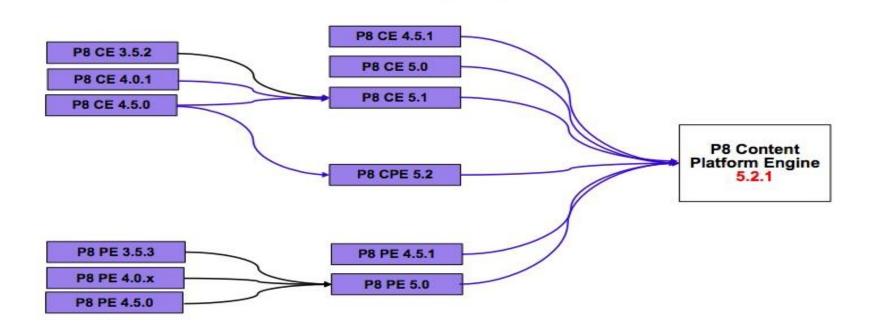
Support dropped as of this release



^{*} CA OLAP Connector must be installed on Microsoft Windows platform with SQL Server Analysis Services OLE DB Provider for OLAP processing that supports Cognos BI and Excel report

Upgrade

Content and Process Engines to Content Platform Engine 5.2.1 Upgrade Paths





Documentation changes and improvements

IBM Knowledge Center



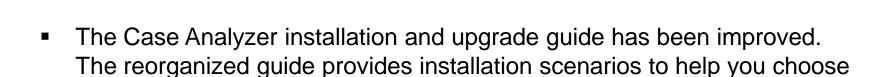
- All documentation is now published solely on IBM Knowledge Center
 - Search across product information using Google Site Search (for GA on ibm.com) or Lucene (installed version).
 - Save your searches.
 - Filter content according to product, operating system, and task. More facets in future deliveries.
 Integration of our own DSWIPE tool for granular and extensive customized content in future.
 - Save topics or full product collections into your own collections. Combine with other saved topics or collections and print as PDF.
 - Comment, rate, and share topics.
 - Simplified update capabilities for installed information.
 - Mobile reading experience in future releases, including offline reading.
 - Easy language switching for full Knowledge Center or individual topics.
 - Personalization through IBM ID login.
 - Secure Knowledge Center for proprietary information.



Documentation changes and improvements

More guidance provided

the steps that are needed.



- The documentation for the migration and deployment of FileNet P8 applications and data has been improved.
 - Additional information more fully describes the application migration and deployment model.
 - The procedures have been clarified and streamlined.
 - New information about the use of FileNet Deployment Manager to migrate data has been added.



Contacts



- Product Marketing Manager: Robb Finn
- Product Manager: Steve Hussey
- Support: Denise Halweg / Floyd Rose
- Development: Susan Chen



THANK YOU

