

Best Practices - IBM Case Manager, IBM DataCap, IBM FileNet Content Manager

Atul Gore, ECM Lab Services Leader



Agenda

- IBM Case Manager best practices
- IBM DataCap best practices
- IBM FileNet Content Manager best practices



IBM Case Manager

The content-centric solution platform

A platform for building, deploying, hosting, and managing contentcentric workflow solutions across the enterprise.

Delivering business outcomes

When put to work, business content is a competitive advantage.

The system of engagement to activate business content

A flexible user experience, optimized for agile business solutions.



Value to IT

Value to Enterprise



Value to Line of Business



System Topology: Recommended ICM environments

Development Environment

- ICM development profile; Typically has a non-enterprise LDAP
- Solution development solution changes should be made only in the dev. env.
- Best practice: Assign each critical solution its own Project Area

• Test Environment

- ICM development profile; Typically has a non-enterprise LDAP
- Best practice: Non-business users validate solution do NOT edit solution here, go back to Development Environment

• UAT or Pre-production Environment

- ICM production profile; Enterprise LDAP
- Business users validate solution for production readiness
- Best practice: Configuration should be as close to production as possible (clustering, integration)

Production Environment

- ICM production profile
- Solutions are deployed for actual production use; Solution should be problem-free
- Best practice: Deploy solutions to different target environments as appropriate for efficient management and Sizing

Best practice: dedicated TEST and UAT testing environments allow for the decoupling of the schedules of DEV and PROD-related activities



Best Practices - Solution Security

• Security Wizard – new in ICM 5.2

http://www-01.ibm.com/support/knowledgecenter/SSCTJ4_5.2.0/com.ibm.casemgmt.design.doc/acmdc001.htm

- New tool in ICM 5.2
- Accessible in the ICM administration client
- Provides a case management solution-oriented view of the security configuration
- Makes security configuration of solutions
 - Simpler
 - Easier to review
 - More consistent
 - Transferable across ICM environments
- Security Manifest
 - Various content- and workflow-related permissions are organized into logical settings appropriate for a case management environment
 - developerWorks: ICM 5.2 Security Model Considerations and Best Practices
 https://www.ibm.com/developerworks/community/groups/service/html/communityview?communityUuid=e8206aad-10e2-4c49-b00c fee572815374#fullpageWidgetId=Wf2c4e43b120c_4ac7_80ae_2695b8e6d46d&file=e7f217f2-62bc-400d-88b8-8104f1908a81
- Knowledge Center documentation

http://www-01.ibm.com/support/knowledgecenter/SSCTJ4_5.2.0/com.ibm.casemgmt.design.doc/acmsc000.htm



Best Practices - Solution Deployment

- DeveloperWorks: IBM Case Manager 5.2 Solution Deployment Guide
 <u>https://www.ibm.com/developerworks/community/blogs/e8206aad-10e2-4c49-b00c-</u>
 fee572815374/entry/ibm_case_manager_5_2_solution_deployment_guide?lang=en&acss=danl_705_web
- Tech note: How do I troubleshoot deployment or security related issues in IBM Case Manager 5.2? <u>http://www-01.ibm.com/support/docview.wss?uid=swg21648669&acss=danl_705_web</u>
- Log and traces
 - Target object store has logs in the solution folder
 - Detailed Deployment log
 - Error Deployment log
- Java application server logs (e.g. SystemOut.log) for CPE, Case Manager servers
- Depending on where you attempted to deploy:
- ICM administration client logs
- ICM configuration tool log
- Possible tracing options to enable:
 - Case Manager server WebSphere admin console: com.ibm.casemgmt.api
 - CPE subsystem tracing: EJB, Error
 - CPE Process service tracing in vwtool: API RPC, API RPC IN, Exception
- Best practice for editing existing solutions
 - Follow solution editing guidelines to prevent deployment errors and problems after deployment
 - Redeployment restrictions for modifying a solution
 <u>http://www-01.ibm.com/support/knowledgecenter/SSCTJ4_5.2.1/com.ibm.casemgmt.design.doc/acmdc024.htm</u>



IBM Case Manager Log and Configuration files - IBM Case Manager configuration tool

• Installation log file

<ICM_install_dir>/logs/IBM_Case_Manager_5.2.1.0_InstallLog.txt

• Configuration files

<ICM_install_dir>/configure/configmgr.ini

<ICM_install_dir>/configure/configmgr_cl.ini

<ICM_install_dir>/configure/configuration/cmlogging.properties (to configure primary logging)

- Runtime log files
 - Primary log files:
 - <ICM_install_dir>/logs/.metadata/.log
 - < ICM_install_dir>/logs/IBM_Case_Manager_5.2.1.0_CMCT*.log
 - The most recent one is named IBM_Case_Manager_5.2.1.0_CMCT0.log
 - Debug-level tracing
 - Enabled by default in the GUI
 - Use the -debug switch at the command prompt
 - Scripts and logs for each task:
 - <ICM_install_dir>/configure/tmp/*.tcl
 - <ICM_install_dir>/configure/tmp/*.log
- Other logs to look at:
 - Java application server logs
 - WebSphere® Application Server SystemOut.log
 - Oracle® WebLogic Server AdminServer.log file (AdminServer is the default server name)



IBM Case Manager Log and Configuration files - IBM Case Manager administration client

• Installation log file

<ICM_install_dir>/logs/IBM_Case_Manager_5.2.0.0_InstallLog.txt

- Version file <ICM_install_dir>/version.txt
- Runtime log files
 - Application server logs :
 - IBM WebSphere® Application Server SystemOut.log
 - Oracle® WebLogic Server AdminServer.log file (AdminServer is the default server name)
- Debugging
 - Browser tools (Fiddler, Firebug)
 - IBM Content Navigator debug-level logging output goes into java app server logs
- Other log files to look at
 - Solution deployment logs in the solution folder in the target object store



IBM Case Manager Log and Configuration files - IBM Case Manager Builder

• Installation log file

<ICM_install_dir>/logs/IBM_Case_Manager_5.2.0.0_InstallLog.txt

• Version file

<ICM_install_dir>/version.txt

- Runtime log files
 - Application server logs (SystemOut.log, AdminServer.log)
- Debugging: two options
 - WebSphere admin console > Logging and Tracing > server > Change log detail levels;
 - WebSphere diagnostic tracing (a.k.a Case Builder debug-level server tracing):
 <u>http://www-01.ibm.com/support/knowledgecenter/SSCTJ4_5.2.0/com.ibm.casemgmt.design.doc/acmta004.htm?lang=en</u>
 - Output goes into java app server logs
 - Must be logged into Case Builder to see components in WebSphere admin console
 - Case Builder CBE logs rare scenarios

http://www-01.ibm.com/support/knowledgecenter/SSCTJ4_5.2.0/com.ibm.casemgmt.design.doc/acmta035.htm?lang=en

- Output goes into CBE log files (icmcbe%u.log); XML format, large output files
- Mostly the same info as WebSphere diagnostic trace, try that option first
- Browser tools (Fiddler, Firebug)
- IBM Content Navigator debug-level logging -- not applicable, CB is not registered in ICN
- Other log files to look at
 - Solution deployment logs



IBM Case Manager Log and Configuration files - IBM Case Manager Client

• Installation log file

<ICM_install_dir>/logs/IBM_Case_Manager_5.2.0.0_InstallLog.txt

• Version file

<ICM_install_dir>/version.txt

- Application server logs (SystemOut.log, AdminServer.log)
- Debugging
 - Discussed previously under Tools
- Browser tools (Fiddler, Firebug)
- IBM Content Navigator debug-level logging output goes into java app server logs
 - -"icmErrorStackTrace=true" parameter
 - -"debug=true parameter"

IBM Case Manager Log and Configuration files - Additional Links About Logging

- Case Manager Troubleshooting technote http://www.ibm.com/support/docview.wss?uid=swg21648669
- MustGather: Collecting Data for the IBM Case Manager installation program v5.2.0.x issues http://www-01.ibm.com/support/docview.wss?uid=swq21640026
- MustGather: Collecting Data for IBM Case Manager Java/REST API v5.2.0.x issues
 http://www-01.ibm.com/support/docview.wss?uid=swq21640051
- Process Engine REST API tracing on the ICM server

http://www-01.ibm.com/support/knowledgecenter/SSCTJ4_5.2.0/com.ibm.casemgmt.installing.doc/acmlg001.htm

• CPE Subsystem Tracing

http://www-01.ibm.com/support/knowledgecenter/SSNW2F_5.2.0/com.ibm.p8.ce.admin.tasks.doc/p8pcc070.htm?lang=en

- The ICM server generates its own p8_server_trace.log and p8_server_error.log files too
- CPE Process Tracing

http://www-01.ibm.com/support/knowledgecenter/SSNW2F_5.2.0/com.ibm.p8.pe.vw.doc/bpfv1049.htm?lang=en

- vwtool can run on any CPE client
- Tech note with step-by-step instructions:

http://www-01.ibm.com/support/docview.wss?uid=swg21678454

Ping Pages

• IBM Case Manager build number:

http://<CM-server name or IP>:<port_number>/CaseManager/CASEREST/v1/info CPE build number (CPE Startup Context, or Ping Page): http://[CPE server name]:[CPE port]/FileNet/Engine

CPE System Health:

http://[CPE server name]:[CPE port]/P8CE/Health

Process service build number (Process Service ping page):

http://[CPE server name]:[CPE port]/peengine/IOR/ping

Thread information

http://[CPE serve name]:[CPE port]/peengine/IOR/ping?systeminfo=true

• ACCE version:

http://[CPE_server_name]:[CPE_port]/acce Log into ACCE, click on the Tools (gear icon next to the user name) menu, and choose About.

• ICN ping page (shows ICN build number):

http://[ICN server name]:[ICN port]/navigator/Ping

Workplace XT build number:

http://[Workplace XT server name]:Workplace XT port]/WorkplaceXT

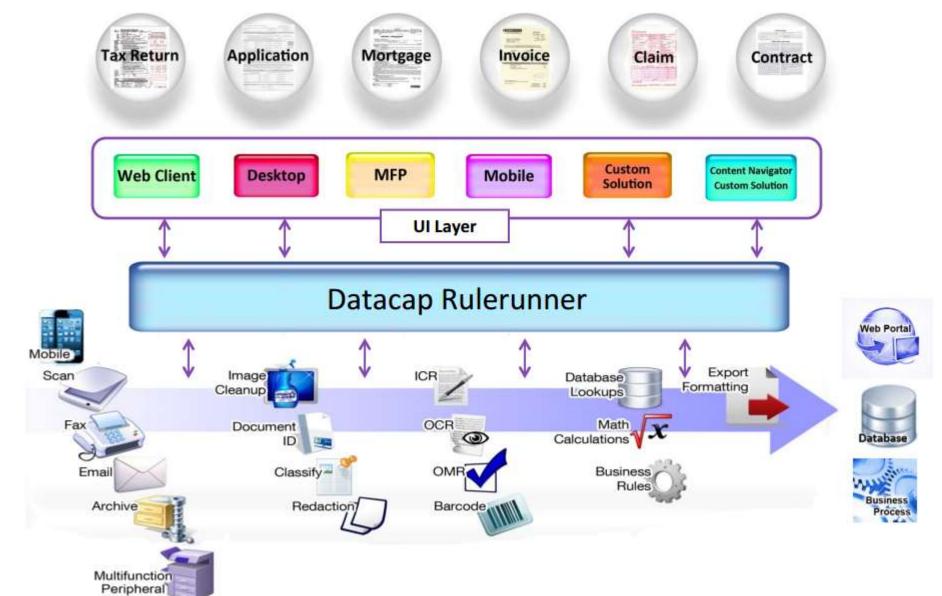
Do not log in. Right-click the page on the white space anywhere, and choose View Source. The Workplace XT build information is towards the top of the HTML code.

• IBM Forms test URLs:

http://[IBM Forms server name]:8085/translator
http://[IBM Forms server name]:8085/translator/Translate?Action=toolbelt



IBM DataCap





Form Design – Best Practices

- Font
 - Use 10-14 size fonts for better capture
- Barcodes
 - Use 1D and 2D barcodes wherever possible; used to identify documents with > 90% accuracy.
 - Barcodes attached at extreme angles are difficult to capture.
- Resolution
 - General rule is to use 200 to 300 dpi; At least 300 dpi for OCR/A
- Layout
 - Constrained Text boxes for better recognition of hand written text
 - Encourage Use of Clear well formed Uppercase characters (by means of instructions)
 - Ensure that OMR checkboxes are of adequate sizes
- Scanners
 - Use color forms, provided, color dropouts happen
 - Poor quality of scanning can result in poor quality recognition
 - Regular maintenance of scanners ensures better quality
- Separator Sheets
 - Use light colored paper for separator sheets.
 - Use different colors for document and attachment separators
 - Repeated photocopying of Original separator sheet causes degradation and would become eventually unreadable.



Application Development - Best Practices 1/4

- Testing an application
 - Test by using prescanned images
 - Use VScan, until the application is complete
 - Use scanner, once you are satisfied with the results using VScan
 - Enable logging in Testing and Production systems
- Capturing Data
 - Define output requirements from the start.
 - Define the Hierarchy, namely Pages, Document structure, Min, Max, Order criteria, etc
 - Define the Fields to be captured per page, and their types
 - Define whether the form requires OCR, ICR, OMR etc.
 - Do not decide what data to extract, half way through building the application
 - OCR Data can be captured using one of the following methods
 - Zone An Area of the form marking the location of the data
 - Keyword Using a Keyword to capture the adjacent text
 - Regular expression Using regular expressions to capture data in a particular format like Zip etc
 - Operator input which requires text to be entered manually



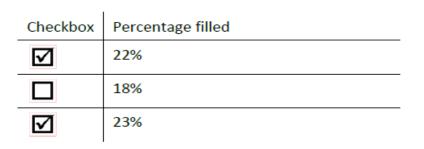
Application Development - Best Practices 2/4

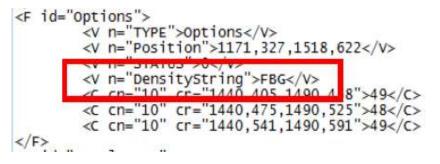
- Smart Parameters
 - Avoid Hardcoding Paths.
 - Use Smart Parameters
 - @APPPATH reads path from the application service
 - This would help in easy porting of applications between machines
 - Use the rr_actions from the Rulerunner library to work with smart parameters
 - Smart Parameters can be defined at each hierarchy using the @ symbol, namely @B,@D,@P,@F etc
- New Applications
 - Use Application Wizard to create a copy of the foundation and demo applications (APT, Flex, Mclaims) etc, before making changes to the copy
 - This leaves the foundation applications intact
 - This also gives a good start, than building applications from the scratch
- Actions
 - Never modify an action in RRX files in the RRS folder. These would get overwritten, when fixpacks gets installed
 - Instead, copy the files into the rules folder and make changes
 - Give a different name to the actions in the new rrx files, as it would be ambigous because, one may not know, as to which action got loaded from which library
- Scripting
 - The actions provided out of the box, sometimes may not be sufficient, and would require customization using scripting.
 - DataCap is flexible to allow adding Additional custom functionality using scripting
 - Custom actions can be coded as a vbscript action or as a .Net action



Application Development - Best Practices 3/4

- OMR Pixel Threshold Method
 - RecogOMRThreshold takes two parameters
 - Threshold % of black pixels
 - Background % of pixels that is scanner noise and/or checkbox outline
 - Start with a initial value of (20,15), meaning a tick mark which has 20% black pixels.
 - Run a batch and look at the data file to get the Density String based on the (20,15) value.
 - Tune it based on the Density String
 - Corresponds to three OMR zones with Density String FBG
 - Percentage black pixels = character's ASCII code value 48
 - The three percentages are
 - $\quad F \rightarrow 70\text{-}48\text{=}22\%, \ B \rightarrow 66\text{-}48\text{=}18\%, \ G \rightarrow 71\text{-}48\text{=}23\%$
 - Check the Original page image to see if the corresponding check boxes were selected or not
 - This gives a clue that the threshold and background can be set between a range of 18 to 23

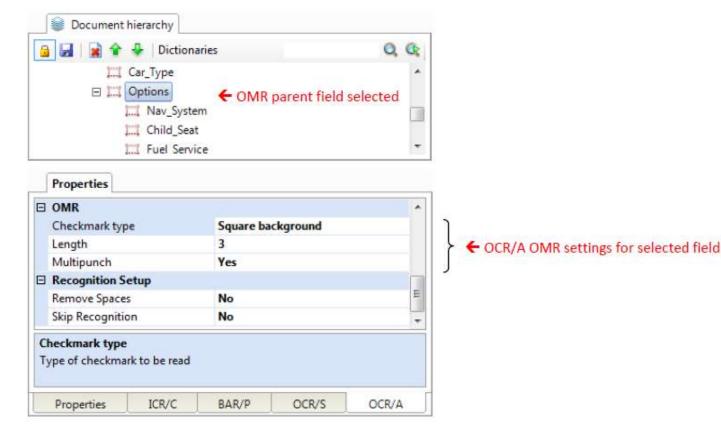






Application Development - Best Practices 4/4

- OMR OCR/A checkbox recognition
 - The OCR/A checkbox recognition uses the RecognizeFieldOCR_A action to determine whether the zone represent a selected or non-selected checkbox
 - This action must be included in a rule and associated with the OMR field.



DataCap Scaling

- For High Availability (HA) and load balancing
 - Static load distribution
- Simultaneous batch creation, production operation
- Any Admin DB changes should be made from a single server, may require restart of other server
- Supported Microsoft SQL Server or Oracle, not Microsoft Access
- Manual load balance by configuring primary TM Server differently for different components
- Active-Active supported since TM8.1, Add servers to App Manager Taskmaster tab
 - Servers configured per application (XML .app file)
- HA fail over
 - Clients (TMWeb, Dstudio, DotScan, DotEdit, Rulerunner Server, NENU, and RV2) connect to first server at login, fail over to alternate
 - In case of TM Server failure

•Interactive users must re-login; Rulerunner Server automatically fails over after current task

- Static load distribution for scalability
 - Manually load balance instances of Taskmaster components, point to different versions of .app file with different servers first in list
 - Auto load balancing with appliance or MS NLB is possible but not supported at present

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- Advanced Rulerunner Server configuration to roam across servers by manually configuring server names in .app file



DataCap Scaling - example

oplication setting	js
1ain Taskmaster	Rulerunner Custom values Service*
Databases	
Administration:	PROVIDER=ORACLE;DSN=NOELORA;CATALOG=;DBNTA=;PWD=******;UID=******;
Engine:	PROVIDER=ORACLE;DSN=NOELORA;CATALOG=;DBNTA=;UID=******;PWD=******;
Servers	
Server 1	
Name or IP addres	ss: TMServer1
Po	rt: 2402
Protoco	ol: TCP IPv4 -
Server 2	
Name or IP addres	ss: TMServer2
Po	ort: 2402

1040ez.app: <app name="1040ez" ver="11" modder="developerID" dt="08/22/12 12:03:04.701 ">

<k name="tmservers">

<k name="tms" ip="TMServer1" port="2402" retry="3" protocol="300"/> <k name="tms" ip=" TMServer2" port="2402" retry="3" protocol="300"/> <k name="tms2" ip=" TMServer2" port="2402" retry="3" protocol="300"/>

App file w/ explicit server name tms2



FileNet Content Manager

Designing of System - Top down approach

- 1. Define the ECM strategy.
- 2. Define the requirements.
- 3. Create a functional design document from the requirements.
- 4. Design the systems architecture.
- 5. Design the P8 Content Manager repository.
- 6. Design the document security model.
- 7. Build applications and user interfaces.
- 8. Create the system and application testing plan.
- 9. Create a deployment plan.

10.Plan for administration and maintenance.



FileNet Content Manager

Deploying the System

- Architecture
 - Data Organization
 - $_{\odot}$ GCD, Object Stores/Storage Scaling
 - o Management Tools (ACCE, Configuration Manager, Deployment Manager, Consistency
 - Checker, FEM, System Dashboard!)
 - Scalability, Performance
 - o Horizontal, Vertical, Clustering
 - o Load & Performance Testing Must!
 - ObjectStore/Storage Scaling
- Capacity TechLine + experience

Administration and Maintenance

- Administrators FileNet! Off course, OS, Database, Application Server, Network, etc.
- Monitoring the environment Resource Utilization

Upgrade and Migration

- -In-Place Or Parallel
- Iterative Process:
 - Planning, Practicing, Documenting



Thank you

(atulgore@in.ibm.com)



Appendix



When you need to delete a case make sure you follow these tasks in order.

Main tasks:

1)Process the case tasks

2)Delete the case work items using Process Administrator

3)Remove the document's reference to the case object and move or delete documents 4)Delete the case folder.

Tools Required:

Administration Console for Content Platform Engine (ACCE)

Process Administrator (PA)





Process the case tasks

- 1. Open the Target Object Store in ACCE and go to the case.
- 2. Click the folder and select the Tasks tab.

Administration Console for Content Platform Engine				
IBM ECM				
Object Store: CMTOS				
CMTOS Administrative Browse Root Folder Banking ClbRoles ClbTeamspace Templates ClbTeamspaces ClbTeamspaces CodeModules	Save Save Folder: 000	Refresh Actions -	Close	Security Retention Tasks
BM Case Manager Solution Deployments Mew Account Opening		Name	Туре	State
← 🌇 Case Types) Wire Transfer	Wire Transfer	Waiting Precondition
✓ MAO_NewAccount ✓ Cases		Identity Resolution	Identity Resolution	Complete
 ✓ ¹/₁ 2013 	٦	Welcome Package	Welcome Package	Waiting Precondition
→ 🛅 09		Account Transfer	Account Transfer	Waiting Precondition
✓ []] 18		Deposit	Deposit	Waiting Precondition
 ✓ 🗁 0014 ✓ 🗁 00000100006 ✓ 	٦	Open Account	Open Account	Working



Remove the dormant tasks

3.Delete all tasks that are in the Waiting or Ready state.

	₫ CMTOS 🗁 00000010000 ×												
	Save Refresh Actions - Close												
Fol	Folder: 00000100006												
•	Image: Instant security Policy Image: Properties Annotations Security Policy Security Retention Tasks												
	New	Delete Promote	Demote										
		Name	Туре	State									
		Wire Transfer	Wire Transfer	Waiting	Precondition								
		Identity Resolution	Identity Resolution	Complet	te								
		Welcome Package	Welcome Package	Waiting	Precondition								
		Account Transfer	Account Transfer	Waiting	Precondition								
		Deposit	Deposit	Waiting	Precondition								
		Open Account	Open Account	Working	J								



Record the ID value of active tasks

4. Find the ID property for all Task in a Working or Failed state and note its value.

🖄 CMTOS 📄 00000010000 ×	۲					
Save Refresh Actions -	Close					
Folder: 000000100006	ons Security Policy S	ecurity R	etention	Tasks		Open Properties
New Delete Promote	Demote		Фасм			Open Accoun ×
Name Identity Resolution	Type Identity Resolution	State	Save	Refresh Ac	tions ▼ Copy Obj	ect Reference Close
Open Account	Open Account	Working	Genera	Properties	Security	
Click	<pre>c the task</pre>		Lean	more		-
			* 🕶	Property Name		Property Value
Record the ID val	lue			Date Last Modified		September 18, 2013 at 8:10:55 AM Pacific Daylight
				ID		{34C62968-8D18-4414-9892-92948CC45065}
				Name		Open Account



Promote the active tasks

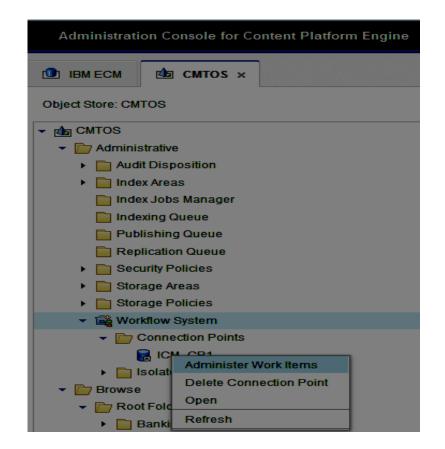
5. Promote all of the Failed and Working state tasks.

🖄 СМТС	s 📴 00000010000 ×						
Save	Refresh Actions •	Close					
Folder: 00	0000100006						
• ieral	Properties Annotatio	ns Security Policy Se	ecurity I	Retention	Tasks		
New	Delete Promote	Demote					
	Name	Туре	State				
	Identity Resolution	Identity Resolution	Complete				
	Open Account	Open Account	Working				
Before P	romote			CMTOS Save	Refresh Actions •	Close	
			Fold	der: 0000	00100006		
			•	ieral	Properties Annotation	ns Security Policy Se	curity Retention Tasks
				New	Delete Promote	Demote	
					Name	Туре	State
	After				Identity Resolution	Identity Resolution	Complete
					Open Account	Open Account	Complete



Delete the case work items using Process Administrator

6. Open Process Administrator on the Target Object Store connection point.





Find the case work items using Process Administrator

7.Under Look for: select Workflows, For In: choose Workflow Roster, For Select one: cpick the name of the solution>

8. In the Search mode field, select Edit (all fields).

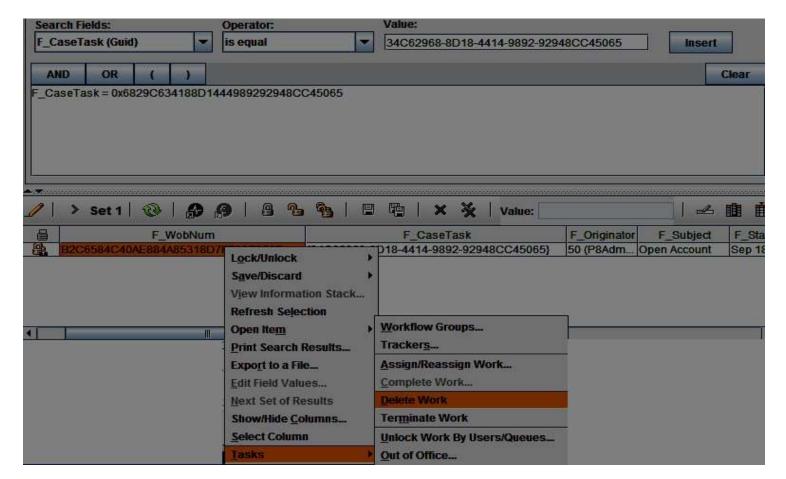
9. Under Search Fields select F_CaseTask(Guid) and enter the ID in the Value box.

۲	ad	ministration ICM_CP1 - Mozilla Firefox	_ 0 X
ecmde	mo1.ecm.ibm.local:9080/acce/vws	paprouter?apps=administration&cp=ICM_CP1	
<u>File Edit View</u>	v <u>T</u> asks <u>S</u> ettings <u>H</u> elp		26 1
Search			
Look for:	Workflows	Search mode:	Find Now
In:	Workflow Roster	Read only (exposed fields) Edit (all fields)	Search Count
Select one:	NewAccountOpening		New Search
Criteria Re	sults Options		
Use index:	<pre><default></default></pre>		Advanced
		Value: 34C62968-8D18-4414-9892-929 3CC45065	148CC45065 Insert Clear
→ → → Set	t 1 🛞 🔊 🤔 🔒 F_WobNum C40AE884A85318D7FF98E859F	Pa Page □ Page ★ ★ Value: F_CaseTask (34C62968-8D18-4414-9892-92948CC45065)	F_Originator F_Subject F_StartTi 50 (P8Adm Open Account Sep 18, 2



Delete the case work items

- 10. Right-click the workflow and then click **Tasks > Delete Work**.
- 11. Click OK to confirm that you want to delete the work item or items.





Remove the supporting document's reference to the Associated Case object

To be able to reuse documents from deleted cases, you must remove the reference to the Associated Case object in the document property before you delete the case.

12. Back in ACCE, select to the task sequence folder:

Year > Month > Day > number > task_sequence. Ex. 2013 > 09 > 18 > 0032 > 000000100006

13. Click the supporting document link on the Contents tab. Ex. Account Application.

	СМТС			000001000	:								
	Save	Refr	esh	Actions	• Close								
Fol	der: 00	000010	0006										
•	С	ontents		General	Properties	Anno	tations	Security Policy	Security	Retention	Tasks	×	-
													_
	Ref	resh	Actio	ons 🔻			Shov	v Documents	• _			Filter	J
			Đ	Containm	ient Name		Docume	ent Name	Date Creat	ed	Create	ed By	
			R		0-B81E-44CB- C258374848}		Account	t Application		18, 2013 at 8:10:51 Daylight Time	P8Adm	iin	



14. Select the document's Properties tab.

15. Click the arrow next to the Associated Case property value and select Unset Value.

💩 смтоз	0000001000	00 × 🗎	Account App (v1.0)	×					
Save	Refresh Actions	• Close							
Document: A	count Application, Ver	rsion: 1.0, Status	s: Released						
 Gene 	ral Properties	Versions	Content Elements	Folders Filed In	Annotations	Security Poli	•		
Learn mor	.								
* Proj	erty Name	•	Property Value			Data T	уре		
Ass	ciated Case		000000100006		Copy Object Reference				
Aud	ed Events		Audited Events			Paste Object Unset Value			

1	6	.S	ลา	v	е	
_	Š	•••	ч.	•	~	•

da C		> 0000001000		Account App (v1.0) *	×		
54							Case folder
Docur	ment: Account	t Application, Ver	sion: 1.0, Status	: Released			
•	General	Properties	Versions	Content Elements	Folders Filed In	Arinotations	
Le:	arn more Property I	Name		Property Value			
	Associated						

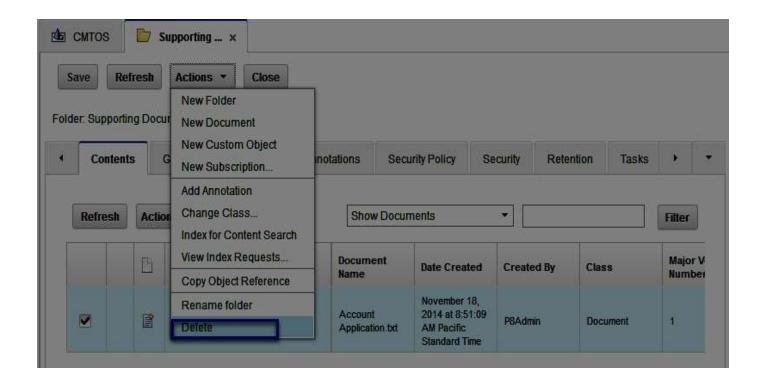
removed



Handle supporting documents.

17. Move or delete the supporting documents.

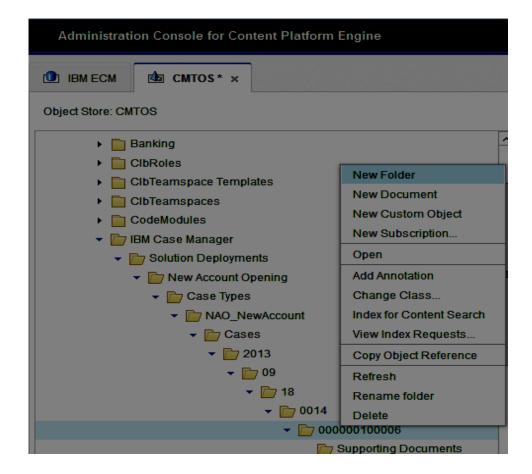
If the documents need to be saved move them out of the Supporting Documents folder. If not delete them.





Delete the Case Folder

- 18. Right-click the task_sequence and click Delete.
- 19. Click OK when the "Are you sure" warning is displayed.





Remember

1)When you delete a case, all of the open work items, tasks, and comments that are associated with the case are removed permanently

2)The task workflows associated with active tasks must be removed **before** the case folder is deleted.

3)You will not be able to delete the case folder if there are subfoldesr that contain dependent objects.

More Information at the 5.2 Knowledge Center Deleting a case

http://www-01.ibm.com/support/knowledgecenter/SSCTJ4_5.2.0/com.ibm.casemgmt.design.doc/acmta012.htm?lang=en