

IBM Content Navigator V2.0.3 – Running the Configuration and Deployment Tool

This presentation describes how to run the IBM Content Navigator V2.0.3GA Configuration and Deployment Tool to configure and deploy an IBM Content Navigator web application that connects to an IBM Content Manager repository.

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Assumptions	
 IBM Content Navigator (ICN) V2.0.3GA is already installed with all the pre-requisite steps completed 	5
 IBM Content Navigator and IBM Content Manager databases are on DB2[®] 	
 The ICN operating system is a supported version of Windows[®] 	
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This presentation assumes that IBM Content Navigator 2.0.3GA is already installed with all the pre-requisite steps completed. The IBM Content Navigator configuration database, the Content Manager Library Server, and Resource Manager databases are based on DB2. The operating system, where ICN is installed, is a supported version of Windows. The application server used is an IBM WebSphere[®] Application Server, as that is a requirement for web applications connecting to IBM Content Manager.



There are multiple ways to launch the IBM Content Navigator Configuration and Deployment tool.

One way is to launch the Configuration and Deployment Tool in the final screen of the IBM Content Navigator installation. Or,

navigate to the 'Configure' sub-directory of the IBM Content Navigator installation directory and run configmgr.exe. Finally,

on Windows Operating Systems, launch the IBM Content Navigator Configuration and Deployment Tool from the Program Menu.

Three options are presented in the Welcome screen: Create a new deployment, Modify an existing deployment profile, and Upgrade an existing deployment profile.

For the purposes of this presentation, the focus is on creating a new deployment using the wizard. If the passwords that are entered in the IBM Content Navigator Configuration and Deployment Tool need to be saved as encrypted passwords in the XML configuration files, click **Preferences** > **Basic Settings** and select the '**Save all passwords to file when saving a task or profile**' check box before creating a configuration profile. If this check box is not selected, the passwords are not saved. For the purpose of this presentation, we do not save the passwords. Select '**Create a new deployment**' to launch the '**Create a Configuration Profile**' window. Provide a profile name, a profile directory and click '**Next**.



In the 'Select Your Application Server' window, select 'WebSphere Application Server' as we are using IBM Content Manager as the repository. Click 'Next'.

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onnecting to	WebSphere	Application Server		
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	Create a New Deployment			
	Connect to WebSphere A	pplication Server	ht Window >	
	Preferences.	nory and will not be saved to riet. To change the way passwords are saved, exit the weard and then th		
	Enter information about your enviro	onment to enable the tool to connect to the web application		
	server.			
	Remember: The web application ser	rver where you want to deploy your web application must be running.		
	Application server version:*	8.0	*	
	Installation directory:*(7)	C:\JBM\WebSphere\AppServer	Browse	
	Profile:*(?)	C:\JEM\WebSphere\AppServer\profiles\AppSrv02		
	Administrator user name:*(7)	wasadmin		
	Administrator password:* ⑦	••••••• Confirm: ••••••		
	SOAP connector port:*(?)	8881		
	Host name:*⑦	9.30.190.41		
	Cell:*⑦	ICCM5EXgNode02Cell	×	
	Deployment session timeout:*(?)	180		
	1	Use SSL certificates for the server communication ⑦		
		Test Connection 2		
	* denotes a required field			
		< Back. Next >	Enish Gancel	

In the '**Connect to WebSphere Application Server**' window, enter the parameters needed to connect to the WebSphere Application Server. IBM WebSphere Application Server security must be enabled. Specify if SSL needs to be enabled for the Content Navigator web application. Test the connection to make sure the connection to the application server is successful. Click '**Next**'.

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Select the Applic	ations to Configure	
	Sector at a New Decideronneet	
	Select the Applications to Configure	
	Profile Name: Clerthrofiles	
	Select the web application or web applications that you want to deploy. Some web applications cannot be configured and deployed together.	
	Tp:: To reduce the size of your web applications, deploy applications separately.	
	18H Context Newplater If you must to configure in 18H Context Newplater web application, select the types of reproductions that you plan to connect to from the web client.	
	ZMM Context Manager ZMM Context Manager OnDemand ZMM Context Manager OnDemand	
	□ generalized and □ the hepothery ①	
	IM ORS for ECH If you want to configure an IBM ORS for ECH web application, jested the hyper BM ORS reporting various that you want to configure. P is accented to this want on a device for each other than the devicement	
	Using IBM Context Newgator to connect to IBM ECM repositories through IBM CMIS is not supported.	
	E SIM CMS for Context Manager	
	BRI OHS for Context Manager OrCentend	
	IBM CMS for Fieldet Content Manager	
	1004 Mether Collaboration Services Configure UBM Fielder Collaboration Services If you want to use IBM Connections to access context that is stored on a Fielder PD repository	
	T 10M FleNet Coluboration Services	
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For the purpose of this presentation, we will focus on deploying a web application that connects to an IBM Content Manager repository. Select '**IBM Content Manager**' under '**IBM Content Navigator**' and click '**Next**'. In the '**Decide How To Proceed**' window, click '**Next**' to continue using the wizard. Clicking '**Advanced**' allows for manually running the configuration and deployment tasks for complex deployment environments. For the purpose of this presentation, we focus on using the wizard.

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onfigu	re the JDBC drive	r for the databa	se	
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Provide a March Street				
Configure the IDBC D	more for Your Database			
Profile Name: ClientProfile1	iver for Total Dollabase	0		
		-		
or IBM Content Navigator, the	Dec. driver to your web application server environment variables so that the web a is configures the XBC drivers for the database where you will store IBM Content ! DBC drivers for unx TBM Content Manager distribution.	avigator configuration data. For IBM CMIS for Content		
efore you complete this task	you must convitte TRC driver for your database to the web andication server. I	f you plan to denicy the web application in a highly available		
luster, you must copy the driv	ver to each node in your cluster.			
eployment type: 🕐	Standard	2	Status X	
DBC driver: (?)	062 Universal 306C Driver		configurejdbcjarsecm status : COMPLETED on Tue Apr 12 15:51:08 PDT 2016	
DBC directory: (?)	C:ljars	Browse	U	
pplication server node: ⑦	ICCM9EXiGNode02	2		
oplication server name: 🕐	server1		OK	
DBC configuration script: (7)	C:\JBM(ECMClent\configure\scripts\setWSJDBC\ars.td	Browse		
emporary directory: 🕐	C:\18M(ECMClent\configure)tmp	Browse		
	Advanced	<back next=""> Drinh Gose</back>		

In the 'Configure the JDBC Driver for Your Database' task window, select your deployment type from the drop-down field. Select 'DB2 Universal JDBC Driver' as the JDBC driver from the drop-down field. Specify the directory where the DB2 Universal JDBC Driver jar file was extracted. Verify the values of the remaining fields and click 'Next'. Upon successful completion of the task, a status dialog is presented as shown. Click 'OK'.

				IBM
onfigure	the Content Manager co	onnecto	pr	
Create a New Deployment				
Profile Name: ClientProfile1	Connector	6		
Imessage detected Journal of the server of the server. Southern Manager library server.	nager repositories, you must configure the Context Manager connector files to enable 38M Context Navigator	to communicate with you		
Catabara bara (2)	pan .			
Ubrary server connection name: (7)	CM Renn	-	🔀 Status 🛛 🗙	
brary server host name: (2)	ICCMRD.od Bm.com			
ibrary server database name: (?)	10W4.506		configurecm8task status : COMPLETED on Tue Apr 12 16:05:24 PDT 2016	
Library server schema name: ⑦	ICHADMIN			
Database port: (?)	\$0000			
Library server connection ID: (?)	ionconct			
Connection ID password: ⑦	Confirm: Confirm:		ОК	
XXBC driver version: (?)	4.0	×		
Content Manager configuration scrip: 🕐	C:\JBMjECHClient\configure\scripts\configureCH8JDBC.tcl	Browse		
Temporary directory:	C:\J8M\(ECMClient\)configure\tmp	Browse		
	Enable SSL 🕐			
	Set up connection pooling ⑦			
	Advanced <back next=""> Driv</back>	h Gose		

In the 'Configure the Content Manager Connector' window, select 'DB2' as the database type and enter the parameters for your IBM Content Manager connector. For the JDBC driver version, select the version of the JDBC driver that is installed on both the Content Manager server and the IBM Content Navigator server. Select 'Enable SSL' and 'Set up connection pooling' if the options apply to your environment. Click 'Next'. Upon successful completion of the task, a status dialog is presented as shown. Click 'OK'.

Configure	the Dat	abase and Dat	a Source	•	IBM
Creato a New Deployment Configure Your Database and Profile Name: ClentProfile1	Data Source				
Imessage detected Several IBM Content Navigator componen task creates a script that is used to create haid and consults the that balls on vour date	its require a database. This task crea e tables for each component that req abase instrance, or you can markably	tes a data source connection that enables the web clerit to conne ures access to the database. You can either use this task to run th un the cricit affect wou device the web acceleration.	nt to your database. In addition, the he script on your database server to		
You must have an existing database befor 3DBC driver: ⑦	re you run this task. DB2 Universal 3DBC Driver		2		
3DBC driver version: ⑦	4.0		2	10 chaine	
Database version: (?)	9.5		×	Status X	
30BC data source name: (7)	ECMClientD5			Configureidboecm status : COMPLETED on Tue Apr 12 18:58:44 PDT 2016	
Database host name: (?)	ICCMSLD.svl.ibm.com				
Database port: (7)	\$0000	Test Results	3		
Database name: ⑦	1CND6				
Database user name: (7)	db2adhin	The connection to the database was successful.		OK	
Database user password: (2)	d				
IDM Content Navigator administrator:	(coatrin	OK			
Table share name: (7)	ICNIPACE				
TB: deators (2)	Cilius		Provete		
The configuration solid: (3)	C.UBMECWClassiconfin salessist	choose watter that the	Browne		
Current database configuration - (1)	Not configured for MM Content Ma	and a second	Di Unise III		
weren weldense constantation (V)	Run the script on your database	1 (7)			
	Enable database connection val	dation (7)			
	Test Database Connection (2)				
		Advanced < Back Bjext >	[Pish Qose		
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In the 'Configure Your Database and Data Source' task window, select 'DB2 Universal JDBC Driver' in the drop-down list. Select the JDBC driver version and the database version from the drop-downs. Specify a name for the JDBC data source. Provide the host name, port number, database name, database user name and database user password for the IBM Content Navigator database. Specify the name of the user that will be used as the IBM Content Navigator administrator. This user must be an existing web application server user name or a LDAP user name. Provide names for the IBM Content Navigator schema and the table space. Specify the directory where the 'DB2 Universal JDBC Driver' jar file was extracted. Verify the values for the 'JDBC configuration script' and 'Current database configuration' parameters. The database script can be run manually or by using the IBM Content Navigator Configuration and Deployment Tool. For the purpose of this presentation, we use the IBM Content Navigator Configuration and Deployment Tool to run the script. Select the options to 'Run the script on your database' and to 'Enable database connection validation'. Click 'Test Database Connection' to validate the connection to the database and click 'Next. Upon successful completion of the task, a status dialog is presented. Click 'OK'.

		IBM
Configure JAAS Authentic	ation	
Agreate a New Cophyment Configure JAAS Authentication on Your Web Application Server Profile Name: Cerchrolies		
nhen yns un fel tals, ffe torfgaardon en digdinenet tul geden tie Jans Arbertonen en di Arbertalin serve (DAG) e ann te sunde fan eide deel to is alter tals alter type onterent. Server generative anterestation of the server of	hertouton mitrog on your web apploants. Remote:: Remote:	TED on Tue Apr 12 19:09:13 PDT 2016
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In the 'Configure JAAS Authentication on your Web Application Server' task window, verify the values for 'Login configuration script' and 'Temporary directory'. Click 'Next' to complete the task to configure JAAS Authentication on WebSphere Application Server. Upon successful completion of the task, a status dialog is presented. Click 'OK'.

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onfigure	the Task Manager co	mponent	
Create a New Deployment			
Configure the Task Manager C	omponent		
Profile Name: ClentProfile1			
Linessage defected You can configure the task manager compo This task is optional but recommended. Ho	rent of 2014 Content Navigator IF you work to use the task manager AFSs to create and nun asynchronous tasks from the were / you work to enable users to defets teampasses. Not task is required.	n web chart.	
DBC data source name: (2)	ECHCleritDS	Status 🗙	
em concerd Navigator schema name: (2)	(CAN/PEN		
Administrator user name: (2)	knadmin	configuretmtask status : COMPLETED on Tue Apr 12 20:04:18 PDT 2016	
Idministrator password: (7)	CONVEL CONVEL		
Taok Manager CHLI	http:/pt.chtickite.eve.com.indet/talennanagervelopapi/vit		
Task manager configuration script: (2)	 C. (38MBC/Mckent)configure(scriptis)configure(ws/1MApplication.to) 	Reveal.	
Temporary directory: (7)	C-384(D/Certifon/Queline	Down	
	Advanced < Back Bent > 27mb	(2cos	
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The Task Manager component is an optional but recommended component of the IBM Content Navigator web application. In the '**Configure the Task Manager Component**' task window, provide the JDBC data source name, IBM Content Navigator schema name, administrator user name and password. Specify the correct host name and port number in the Task manager URL and verify the values for '**Task manager configuration script**' and '**Temporary directory**. Click '**Next**'. Upon successful completion of the task, a status dialog is presented. Click '**OK**'.

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Configure the IE	3M Content Navigator W	eb Application	
Ŭ	Ŭ		
🖌 Create a New Deployment			
Configure the IBM Content Navigator	Web Application	1	
Pronie Name: CliencPronie1			
Running Task			Ø Status
Enter the information that the configuration and de	ployment tool uses when it creates the IBM Content Navigator web application, such	as the name for the application.	configureicntask status : COMPLETED on Tue Apr 12 20:07:26 PDT 2016
IBM Content Navigator authentication: 🕜	IBM Content Navigator desktop authentication	v	v
IBM Content Navigator configuration directory: 🕜	C:\IBM\ECMClient\config	Browse	
IBM Content Navigator schema name: 🍘	ICNADMIN		
JDBC data source name: 🕐	ECMClientDS		
Temporary directory: 🕜	C:\IBM\ECMClient\configure\tmp	Browse	
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In the 'Configure the IBM Content Navigator Web Application' task window, specify where the initial authentication for IBM Content Navigator occurs. The default authentication method is IBM Content Navigator desktop authentication. For the purpose of this presentation, select 'IBM Content Navigator desktop authentication'. Specify the value of the IBM Content Navigator configuration directory, the IBM Content Navigator schema name, and the JDBC data source name. Verify the value of the 'Temporary directory' field. Click 'Next'. Upon successful completion of the task, a status dialog is presented. Click 'OK'.

Create a New Deployment	
Profile Name: Clerifyrolfiel	
The task completed successfully. You must use the configuration and deployment tool to build an EAR File that contains the components of your web application. The tool verifies that the EAR File does not contain any errors.	
Tg: I' you want to manually deploy the web application, you can close the tool after this task completes. IBM Content Navigator context not: (1) Invigator	
Task.manager content root: (7) TaskManagerWeb	
Buld script: CollEMECHClent(configure)repladed/ormat/create_ear.bat Pronze Tencorary dectors: CollEMECHClentConfigureItma Frome	
rebuildear status : COMPLETED on Tun Apr 12 20:12:05 FOT 2016	
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In the 'Build the Web Application' task window, provide a value for the IBM Content Navigator context root and Task manager context root. Verify the values of 'Build script' and 'Temporary directory'. Click 'Next'. Upon successful completion of the task, a status dialog is presented. Click 'OK'.

Deploy the Web Appli Profile Name: ClentProfile 1	cation	
The task completion success You must use the outpropulsion Tip: You can also does the wip: Dephysion ADM file: Web application server mone: Dephysion server with Dephysion server with DA Dephysion	And a manake show that Ale Ale to your whe applications nerve. I mand Conflict Conflict nerve application Ale Ale Conflict Conflict nerve application Ale Ale Conflict Conflict nerve applications of Ale Ale Ale Conflict Conflict nerve applications of Ale Ale Ale Conflict Conflict nerve applications of Ale	
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In the '**Deploy the Web Application**' task window, specify the deployment type from the drop-down. Verify the values for the other fields and click '**Finish**'. Upon successful completion of the task, a status dialog is presented. Click '**OK**'. This completes the presentation.

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