

IBM Content Navigator V2.0.3

Running the Configuration and Deployment Tool to
configure/deploy a web application connecting to IBM
Content Manager repository

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

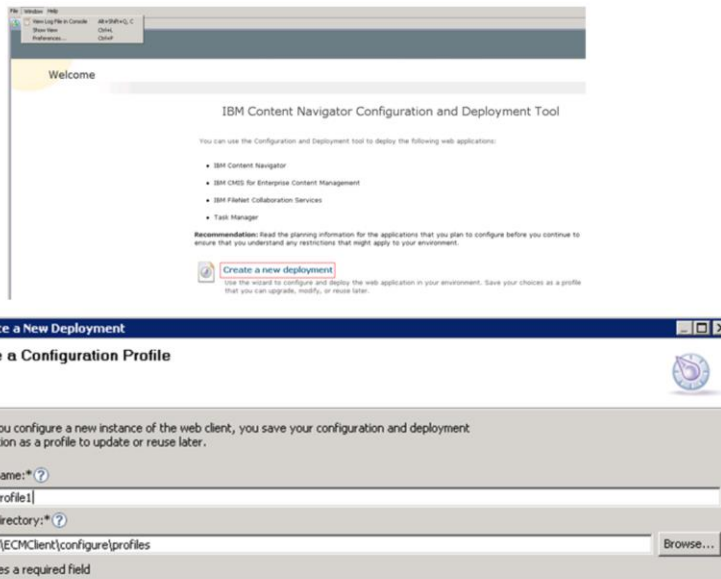
This presentation describes how to run the IBM Content Navigator V2.0.3GA Configuration and Deployment Tool to configure and deploy an IBM Content Navigator web application that connects to an IBM Content Manager repository.

Assumptions

- IBM Content Navigator (ICN) V2.0.3GA is already installed with all the pre-requisite steps completed
- IBM Content Navigator and IBM Content Manager databases are on DB2®
- The ICN operating system is a supported version of Windows®

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.

Creating a Configuration Profile



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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,

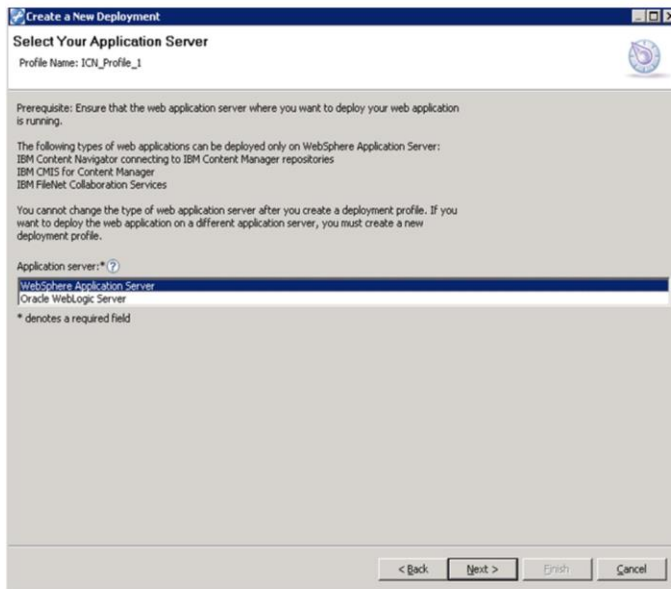
navigate to the 'Configure' sub-directory of the IBM Content Navigator installation directory and run configmgr.exe. Finally,

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'**.

Selecting the Application Server



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

Connecting to WebSphere Application Server

The screenshot shows a wizard window titled "Create a New Deployment" with a sub-tab "Connect to WebSphere Application Server". The window contains the following fields and options:

- Application server version: 8.0
- Installation directory: C:\IBM\WebSphere\AppServer
- Profile: C:\IBM\WebSphere\AppServer\profiles\AppSrv02
- Administrator user name: wasadmin
- Administrator password: [masked] Confirm: [masked]
- SOAP connector port: 8881
- Host name: 9.30.190.41
- Cell: ICCMSE\Node02Cell
- Deployment session timeout: 180
- Use SSL certificates for the server communication:
- Test Connection:

Buttons at the bottom: < Back, Next >, Finish, Cancel.

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**'.

Select the Applications to Configure

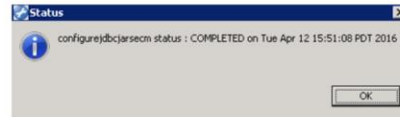
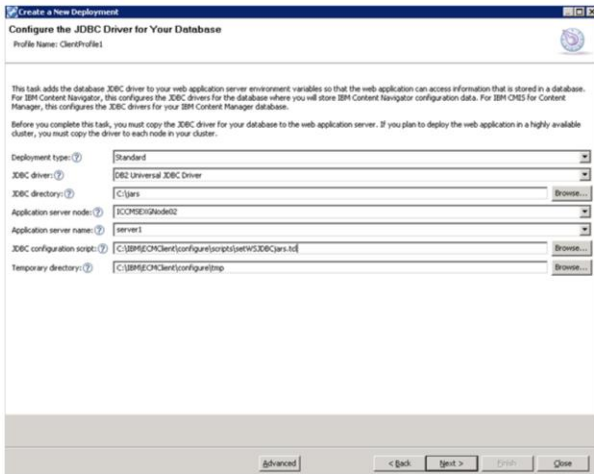
The screenshot shows a window titled "Create a New Deployment" with the subtitle "Select the Applications to Configure". The profile name is "ClientProfile1". The main text instructs the user to select web applications to deploy, noting that some cannot be configured together and providing a tip to reduce deployment size by deploying applications separately. The window is divided into three sections:

- IBM Content Navigator:** Instructs the user to select repository types. The "IBM Content Manager" checkbox is checked, while "IBM Content Manager OnDemand" and "IBM FileNet P8" are unchecked. A "No Repository" link is also present.
- IBM CHS for ECH:** Instructs the user to select repository services. Three checkboxes are present: "IBM CHS for Content Manager" (unchecked), "IBM CHS for Content Manager OnDemand" (unchecked), and "IBM CHS for FileNet Content Manager" (unchecked). A note states that connecting to IBM ECH repositories through IBM CHS is not supported.
- IBM FileNet Collaboration Services:** Instructs the user to configure services for FileNet P8 repositories. The "IBM FileNet Collaboration Services" checkbox is unchecked.

Navigation buttons at the bottom include "< Back", "Next >", "Finish", and "Cancel".

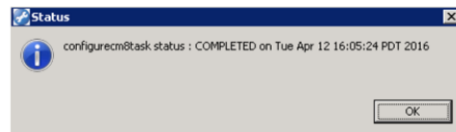
For the purpose of this presentation, we will focus on deploying a web application that connects to an IBM Content Manager repository. Select **'IBM Content Manager'** under **'IBM Content Navigator'** and click **'Next'**. In the **'Decide How To Proceed'** window, click **'Next'** to continue using 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.

Configure the JDBC driver for the database



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'**.

Configure the Content Manager connector



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 Database and Data Source

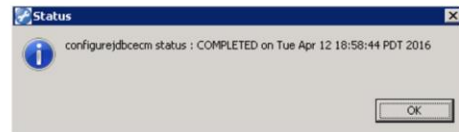
Configure Your Database and Data Source
Profile Name: ClientProfiles

Message detected

Several IBM Content Navigator components require a database. This task creates a data source connection that enables the web client to connect to your database. In addition, the task creates a script that is used to create tables for each component that requires access to the database. You can either use this task to run the script on your database server to build and populate the tables on your database instance, or you can manually run the script after you deploy the web application.

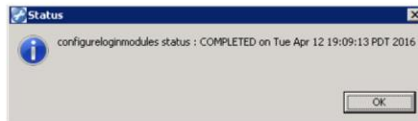
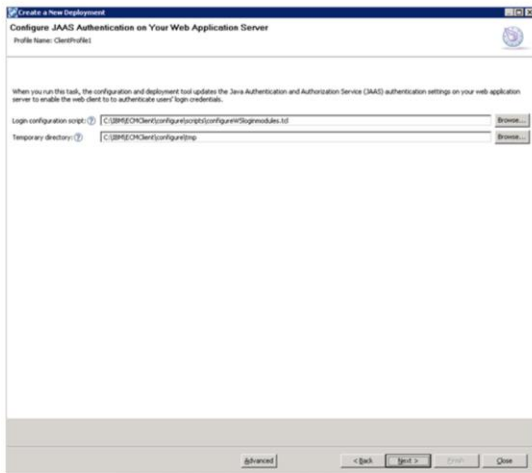
You must have an existing database before you run this task.

JDBC driver: DB2 Universal JDBC Driver
 JDBC driver version: 4.0
 Database version: 9.5
 JDBC data source name: EONClientDS
 Database host name: ICORBLD.us.ibm.com
 Database port: 5000
 Database name: ICOR
 Database user name: icoadmin
 Database user password: *****
 IBM Content Navigator administrator: icoadmin
 IBM Content Navigator schema name: icoadmin
 Table space name: ICORSPACE
 JDBC directory: C:\jars
 JDBC configuration script: C:\IBM\ECHClient\configure\scripts\configureW3JDBC.txt
 Current database configuration: Not configured for IBM Content Navigator
 Run the script on your database
 Enable database connection validation
 Test Database Connection



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'.

Configure JAAS Authentication



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'**.

Configure the Task Manager component

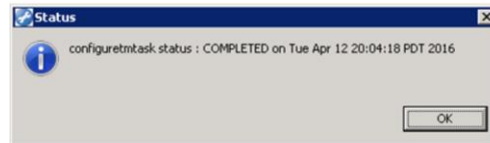
Create a New Deployment
Configure the Task Manager Component
 Profile Name: ClientProfile

Message Details

You can configure the task manager component of IBM Content Navigator if you want to use the task manager APIs to create and run asynchronous tasks from the web client. This task is optional but recommended. However, if you want to enable users to delete newspapers, this task is required.

JDBC data source name:
 IBM Content Navigator schema name:
 Administrator user name:
 Administrator password: Confirm:
 Task manager URL:
 Task manager configuration script:
 Temporary directory:

Advanced | < Back | Next > | OK | Cancel



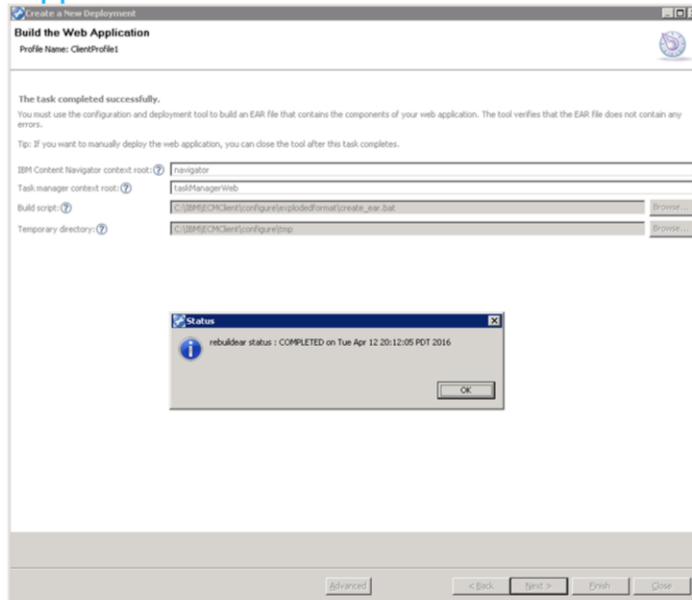
The Task Manager component is an optional but recommended component of the IBM Content Navigator web application. In the **'Configure the Task Manager Component'** task window, provide the JDBC data source name, IBM Content Navigator schema name, administrator user name and password. Specify the correct 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'**.

Configure the IBM Content Navigator Web Application



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'**.

Build the Web Application

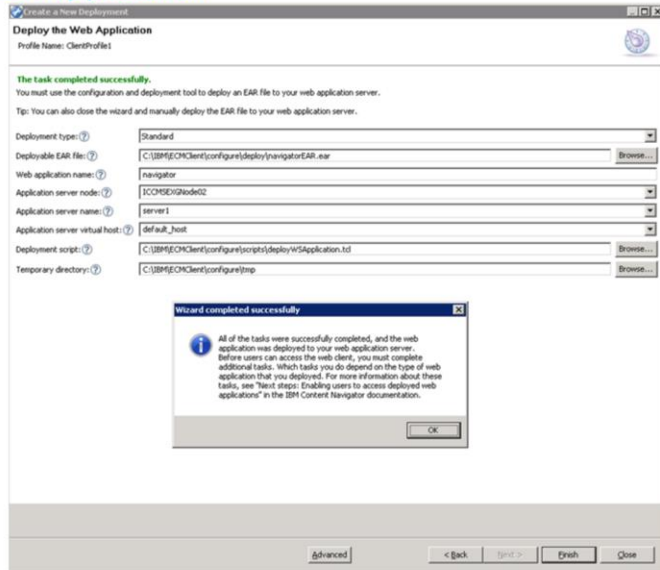


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In the **'Build the Web Application'** task window, provide a value for the IBM Content Navigator context root and Task manager context root. Verify the values of **'Build script'** and **'Temporary directory'**. Click **'Next'**. Upon successful completion of the task, a status dialog is presented. Click **'OK'**.

Deploy the Web Application



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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