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IBMContent Navigator 2.0.2

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| Plug-ins and External Data Services | F122  Course Abstract |

For more info: <https://www-03.ibm.com/services/learning/ites.wss/zz-en?pageType=page&c=a0011023>

Course description

This course provides training on customizing and extending the IBM Content Navigator features. You learn how to develop plug-ins and implement External Data Services. You also learn how to create a custom workflow step processor. You use the student guide and an IBM Content Navigator system to complete the learning.

Duration

2 days

Delivery Method

Instructor-led (Classroom), Instructor-led Online and SPVC (Self Paced Virtual course)

Audience

* Developers who are responsible for
	+ Customizing and extending the IBM Content Navigator features by developing plug-ins
* Anyone who needs to know the capabilities of IBM Content Navigator.

Prerequisite

* Intermediate level expertise in the following technologies:
	+ Java
	+ JavaScript
	+ JSON
	+ HyperText Markup Language (HTML 5)
	+ Cascading Style Sheets (CSS3)
	+ Dojo (version 1.8.4)
* Experience with Eclipse IDE for developing applications.
* Familiarity with deploying applications in WebSphere Application Server.
* Familiarity with Content and Business Process Management (workflow) concepts
* Experience with IBM Content Navigator or the following recommended Courses:
	+ F205 - Introduction to IBM Content Navigator 2.0
	+ F121 - IBM Content Navigator 2.0.2 Administration

Course Objectives

Upon completion of this course, participants will be able to:

* Implement External Data Services (EDS)
	+ Prefill an initial value for a data field
	+ Implement property field validation
	+ Create dependent Choice Lists with sample EDS
	+ Change the field status dynamically for a property
* Develop custom plug-ins to do the following tasks:
	+ Implement custom Response Filters
	+ Add a custom Property Editor
	+ Add a custom Feature
	+ Add a custom Action
* Create a Custom Workflow Step Processor
	+ Develop and configure a custom step processor
	+ Add external data services to step processor
	+ Add an action to the custom step processor
* Use Content Navigator widgets in other applications
	+ Integrate Content Navigator with URL API

Topics

**Implement External Data Services (EDS)**

Request and response filters implemented in the sample EDS

External Data Services and EDS REST protocol

Create choice lists with External Data Service

Appendix: Steps to import the sample EDS into Eclipse

**Develop Plug-ins**

IBM Content Navigator development architecture

Develop applications with IBM Content Navigator

Setting up the development environment for plug-ins

IBM Content Navigator Plug-ins

IBM Content Navigator plug-in extensions

Request and response filters

ContentList and Document information areas

Custom Property Editors

Add feature to IBM Content Navigator interface

Creating Client-side plug-in extensions

Develop a plug-in to add a menu action

**Create a Custom Workflow Step Processor**

Workflows in IBM Content Navigator

IBM Content Navigator step processors

Custom step processors

Add an Action to the Custom Step Processor (to use embedded viewer)

**Use Content Navigator widgets in other applications**

Externalize IBM Content Navigator widgets

Unbound integration

Externalize with URL API and Deep linking

Externalize with a custom Feature

Externalize with a custom Layout

Bound integration

**Appendix**

Start and Stop System Components

Debugging and troubleshooting

Develop ECM Widgets solutions in IBM Content Navigator

Additional Information and links