



IBM Content Navigator 2.0.2

Plug-ins and External Data Services

F122
Course Abstract

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
