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IBM Content Navigator 2.0.2 - Plug-ins and External Data Services  
Information

<b>Length:</b>	16.0 Hours
<b>Ref:</b>	F122G □
<b>Delivery method:</b>	ClassroomSelf-paced Virtual Training
<b>Price:</b>	AUD

Overview

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.

If you are enrolling in a Self Paced Virtual Classroom or Web Based Training course, before you enroll, please review the Self-Paced Virtual Classes and Web-Based Training Classes on our Terms and Conditions page, as well as the system requirements, to ensure that your system meets the minimum requirements for this course. <http://www.ibm.com/training/terms>

Public

- 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.

Prerequisites

- 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

## 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