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Advanced IBM Web Content Manager 8.0
Information

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| Length: | 2.0 Days |
| Ref: | WPL45G-X |
| Delivery method: | ClassroomInstructor Led Online |
| Price: | EUR |

Overview

This course consists of two-days of instructor-led training. In this class, you will learn about administration tasks and concepts.

- Introduces you to: Web Content Manger API
- Web Content Manager REST server
- Extending the authoring environments
- Enhanced rendering techniques
- Enhanced look and feel techniques
- Personalization
- Web Content Integrator
- Enterprise Content Management
- Security
- Libraries
- Search

Not included in this course:

- Installation
- Configuration
- Day-to-day administration

Public

This intermediate course is intended for developers that need a deeper understanding of Web Content Manager APIs and how to extend the authoring and rendering interface. The course also includes foundational information about administration aspects of Web Content Manager that would be useful to developers.

Prerequisites

You should complete:

- Building Websites with IBM Web Content Manager 8, **or** equivalent knowledge of how to develop a website with IBM Web Content Manager

You should have:

- experience using Java, JSP, HTML **and** CSS
- experience in website development **and** maintenance
- experience in existing workflow **and** security practices

Objective

You will be able to use the features, functions, and procedures in IBM WebSphere Portal 8 to:

- Explain API and caching considerations
- Explain how to extend the authoring environment
- Explain how to use custom workflow actions to modify workflows
- Describe the components used in the presentation layer and information architecture
- Explain how and when to use the rendering plugins
- Explain the use of techniques for enhancing the look and feel
- Explain personalization and how to use it
- Explain how to integrate external content with Web Content Integrator
- Explain how to integrate enterprise content management using federated documents
- Explain the security model and how to use it
- Describe common ways of structuring libraries for functionality and performance
- Describe search options include the integration of external search engines

Topics

Unit 1: Web Content Manager API

- API overview of workspace, rendering context, manage content, search content
- Cache considerations

Unit 2: REST services for Web Content Manager

- Overview of the REST services capability
- Service entry points
- Access levels
- Query service and parameters
- Using REST services to create, delete, or update web content items

Unit 3: Extending the authoring environment

- APIs for authoring environment
- Look and feel options
- Plugin options (file upload class, text provider class)

Unit 4: Extending change management with custom workflows

- Custom workflow overview

Unit 5: Overview of the presentation layer

- Overview of navigators, menus, site areas
- Information architecture and implementation
- How they are related
- When to use which one
- Overview of portal page structure (extension of site framework)
- How it can be used to dynamically generate navigation

Unit 6: Enhanced rendering

- Overview of options
- Custom launch pages
- Enhanced menu components
- Dynamic content based on the content ID
- Rendering plugins

Unit 7: Enhancing the look and feel

- Presentation template overview of the different ways to change style
- Theme customization (portal)
- Combined Portal and WCM navigation (generated integrated breadcrumbs)
- Cascading CSS (content, components, presentation templates)
- Inline HTML style (content, components, presentation templates)

Unit 8: Personalization

- Overview of when to use personalization and profiling
- Performance considerations for personalization
- Best practices for personalization

Unit 9: Integrating content with IBM Web Content Integrator

- Overview of IBM Web Content Integrator (concept of producer and consumer)
- Feed format

- Issues with embedded links in feeds

Unit 10: Integrating ECM using federated documents

- Overview of how WCM retrieves content from ECM servers (federated documents)
- Overview of integration
- Security considerations (SSO with WebSphere Application Server)

Unit 11: Security

- Review roles (user, contributor, editor, manager, administrator, delegator, privileged user)
- Review predefined groups (anonymous, authenticated, users and user groups, all user groups)
- Explain relationship between WebSphere Portal and Web Content Manager security
- Review interface for assigning access levels
- Considerations for security in applications

Unit 12: Working with libraries

- Review Library options, such as setting up a common library for shared images
- Discuss when multiple libraries are beneficial (such as library for each company division)
- Review library performance consideration
- Review library techniques such as creating labels, restoring content based on labels, and disabling versus deleting a library

Unit 13: Search

- Review Search options: out-of-the-box search, Omnifind, third-party search (such as Google)
- Benefits and limitations of each option
- Architecture of each option
- Integrating with custom fields