Building Microsoft Content Management Server 2002 Solutions

Course Summary

Description

This instructor-led course provides students with the knowledge and skills to plan, implement, develop, and manage a Microsoft Content Management Server 2002 Web site.

Objectives
By the end of this course, students will be able to:
- Describe the characteristics of and challenges of building content-driven Web sites
- Describe the roles and processes involved in building and maintaining content-driven Web sites
- Describe the problems and issues that Content Management Server is designed to solve
- Use and understand the structure of the Woodgrove Bank Sample site
- Use Content Management Server tools
- Create a Content Management Server Web site
- Build custom navigation server controls
- Extend the Content Management Server Web Author
- Extend Content Management Server workflow
- Build custom placeholder controls
- Secure a Content Management Server Web site
- Work with Authoring Connector
- Work with Content Connector
- Implement content syndication using Content Management Server and Web services
- Migrate Web sites built with earlier versions of Content Management Server to Content Management Server 2002
- Deploy Content Management Server Web sites
- Monitor and manage Content Management Server Web site performance
- Build multilingual sites with Content Management Server

Topics

- Introduction to Content-Driven Web Sites
- Roles and Processes for Content-Driven Sites
- Introduction to Content Management Server 2002
- Introducing the WoodgroveNet Sample Site
- Using Content Management Server 2002 Tools
- Creating a New Content Management server Web Site
- Building Navigation Server Controls
- Modifying the Web Author
- Extending Content Management Server Workflow

- Building Custom Placeholder Controls
- Au7thentication, Authorization and Security
- Working with Authoring Connector
- Introduction to Content Connector
- Content Syndication Using Web Services
- Migration and Coexistence
- Content Management Server Site Deployment
- Monitoring Content Management Server 2002 Performance
- Building Multilingual Web Sites

Audience

This course is primarily intended for Web site developers who focus on creating applications and the framework used to manage content-based Web sites.

Prerequisites

Students should have experience developing Microsoft ASP or ASP.NET Web sites, experience working with enterprise-level Web solutions, experience with programming languages such as Microsoft Visual C# or Microsoft Visual Basic .NET recommended and experience using Microsoft Visual Studio .NET developer environment recommended.

Duration

Four days

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Course Outline

VII. Building Navigation Server Controls
   A. Navigation
   B. ASP.NET Navigation Controls

I. Introduction to Content-Driven Web Sites
   A. Web Site Design
   B. Organizing Content-Driven Web Sites

II. Roles and Processes for Content-Driven Sites
   A. Web Site Roles
   B. Site-Creation Processes
   C. After completing this module, students will be able to:
   D. Understand the various Web site roles.
   E. Understand the various site-creation processes.

III. Introduction to Content Management Server 2002
   A. Content Management Server 2002
   B. Architecture
   C. Major Features

IV. Introducing the WoodgroveNet Sample Site
   A. WoodgroveNet Sample Site
   B. Using the Sample Site
   C. Templates and Placeholder
   D. Publishing Workflow

V. Using Content Management Server 2002 Tools
   A. Internet Information Services and Content Management Server
   B. The Role of Site Manager
   C. The Role of the Server Configuration Application
   D. Integration with Visual Studio .NET

VI. Creating a New Content
   A. Understanding the Creation Phases
   B. Planning a New Site
   C. Creating the Site Structure
   D. Creating a New Template

VIII. **Modifying the Web Author**
   A. Introduction to the Web Author
   B. Web Author Component Overview
   C. Site Mode Containers
   D. Status Controls
   E. Action Controls
   F. Inserting Action and Status Controls in the Console

IX. **Extending Content Management Server Workflow**
   A. Workflow and Roles
   B. Extending Workflow for ASP Sites
   C. Extending Workflow for ASP.NET Sites
   D. Workflow Extension Scenarios

X. **Building Custom Placeholder Controls**
   A. Introduction to Placeholders
   B. Introduction to ASP.NET Server Controls
   C. Building Placeholder Controls

XI. **Authentication, Authorization, and Security**
   A. Definitions
   B. Authentication
   C. Authorization
   D. Security

XII. **Working with Authoring Connector**
   A. Feature Overview
   B. Using the Publishing Task List
   C. Defining Authoring Connector Templates
   D. Best Practices

XIII. **Introduction to Content Connector**
   A. Introduction to Content Connector
   B. Content Connector Architecture
   C. Product Pages
   D. Microsoft Solution for Internet Business 2.0

XIV. **Content Syndication Using Web Services**
   A. Introduction to Content Syndication
   B. Architecture Drill-Down

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Course Outline (cont'd)

XV. **Migration and Coexistence**
   A. Introduction to Migration
   B. Using the Migration Tool
   C. Migration Issues with Placeholders
   D. Migration Planning
   E. ASP to ASP.NET Migration

XVI. **Content Management Server Site Deployment**
   A. Deployment Concepts
   B. Deploying a Content Management Server Site
   C. Deploying a Site using Site Manager
   D. Deploying a Site using the Site Deployment API
   E. Exporting with the Site Deployment API
   F. Importing with the Site Deployment API

   G. Deploying Rights Groups with the Site Deployment API
   H. Deploying Web Assets

XVII. **Monitoring Content Management Server 2002 Performance**
   A. Performance Benefits
   B. Testing Methodologies
   C. Ensuring Performance
   D. Caching

XVIII. **Building Multilingual Web Sites**
   A. Introduction to Managing Multilingual Sites
   B. ASP.NET Globalization Support
   C. Multilingual Site Spectrum
   D. Multilingual Site Setup
   E. Localizing the Web Author