Faysal Aziz

Sitecore Bespoke

2-days intensive training

FA-0409 · 2-days

Software Development · DevOps, Cloud & Infrastructure

Introduction

Welcome to the 2-day intermediate-level course on Sitecore, focusing on Headless CMS and XM Cloud. As digital experiences evolve, the demand for flexible, scalable, and integrated solutions grows.

Sitecore's Headless CMS and XM Cloud offer unparalleled capabilities to deliver seamless, omnichannel experiences. This course will equip you with the skills to leverage these advanced Sitecore features, ensuring you stay ahead in the dynamic world of web development.

Learning outcomes

By the end of this course, participants will be able to:

- Understand the fundamentals and architecture of Sitecore Headless and XM Cloud.
- Navigate and utilize the Sitecore Experience Platform.
- Implement Headless CMS strategies with Sitecore.
- Integrate external systems and services with Sitecore.
- Apply best practices for Headless CMS development and content management.
- Optimize Sitecore performance and troubleshoot common issues.

Prerequisites

To get the most out of this course, participants should have:

- Basic knowledge of web development (HTML, CSS, JavaScript).
- Familiarity with .NET framework and C# programming.
- Understanding of basic content management system (CMS) concepts.
- Access to a laptop with Sitecore installed or access to a Sitecore environment.

- Willingness to engage in hands-on exercises and group discussions.

Training outline

1. Introduction to Sitecore Headless and XM Cloud

Overview of Sitecore Headless CMS

- Definition and benefits of Headless CMS
- Comparison with traditional CMS

Introduction to Sitecore XM Cloud

- Key features and benefits
- Differences between XM Cloud and traditional Sitecore instances

Understanding Sitecore architecture

- Core components and services
- Content delivery and management in a Headless environment

2. Navigating the Sitecore Interface

Introduction to Sitecore Launchpad

- Overview of main modules and tools
- Customizing the launchpad

Using the Content Editor

- Creating and managing content items
- Understanding the content tree structure
- Working with templates, layouts, and renderings

Exploring the Experience Editor

- In-line content editing
- Page editing and previewing
- Enhancing user experience with personalization

3. Content Management and Workflow

Creating and managing templates

- Standard values and inheritance
- Building and using data templates

Setting up and configuring workflows

- Defining workflow states and commands
- Automating content approval processes

Using media library and asset management

- Uploading and organizing media assets
- Best practices for media management

4. Advanced Sitecore Development

Introduction to Sitecore API

- Understanding Sitecore.Services.Client API
- Retrieving and manipulating content programmatically

Customizing Sitecore with Sitecore Rocks

- Setting up Sitecore Rocks in Visual Studio
- Creating custom items and fields

Working with Sitecore MVC

- Basics of Sitecore MVC framework
- Implementing custom controllers and views

5. Headless CMS Best Practices

Implementing Headless CMS strategies

- Decoupling content from presentation
- Delivering content across multiple channels

Using Sitecore JSS (JavaScript Services)

- Introduction to Sitecore JSS
- Building applications with Sitecore JSS

Integrating front-end frameworks

- Using React, Angular, or Vue.js with Sitecore
- Best practices for front-end integration

6. Integrating Sitecore with External Systems

Overview of Sitecore connectors and integrations

- Integrating CRM systems (e.g., Salesforce)
- Connecting Sitecore with third-party APIs

Using Sitecore Federated Experience Manager

- Managing external content within Sitecore

- Tracking and analyzing external site interactions

Integrating with XM Cloud

- Understanding XM Cloud capabilities
- Setting up and configuring XM Cloud integrations

7. Performance Optimization and Troubleshooting

Best practices for optimizing Sitecore performance

- Caching strategies and configuration
- Analyzing and improving response times

Common issues and troubleshooting techniques

- Identifying and resolving common errors
- Using Sitecore logs for debugging

8. Best Practices and Case Studies

Sitecore development best practices

- Code organization and version control
- Deployment strategies and automation

Real-world case studies

- Successful Headless Sitecore implementations
- Lessons learned and tips from the field

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