# Advanced Adobe ColdFusion 10 Development Training

Duration: **3 Day**

BILGINÇ IT Academy
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**Learn Advanced ColdFusion 10 Development.**

Advanced ColdFusion 10 Development provides ColdFusion application developers with the knowledge and hands-on practice that they need to build, maintain, and scale effective web applications. Topics include using the Application Framework, creating advanced queries, manipulating complex data in arrays and structures, structuring your code with ColdFusion Components, gracefully handling errors and exceptions, encapsulating your user-interface with custom tags, leveraging external Java code libraries, and creating highly interactive interfaces using Flash Forms. It includes optional content on exposing and reusing application functionality as web services and working with XML documents. This course focuses on creating and delivering scalable and well-performing applications.

**Who Should Attend?**

Web development professionals who are experienced with ColdFusion and want to learn advanced development techniques.

## Prerequisites

To gain the most from the class, you should already have:

- Fast Track to ColdFusion 10 or equivalent experience
- Practical experience using CFML tags, functions and variables.
- Practical experience with the SQL command set, including SELECT, INSERT and UPDATE

## What You Will Learn

Students will learn Application Framework, creating advanced queries, manipulating complex data in arrays and structures, structuring your code with ColdFusion Components, gracefully handling errors and exceptions, encapsulating your user-interface with custom tags, leveraging external Java code libraries, and creating highly interactive interfaces using Flash Forms.

## Training Outline

**Note:** The curricula below comprise activities typically covered in a class at this skill level. The instructor may, at his/her discretion, adjust the lesson plan to meet the needs of the class.

**Module 1: Introduction to Components**

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- Creating ColdFusion Components (CFC)
- CFC Syntax
- Invoking Static CFC Methods
- Using the Application Framework
- Configuring Application Settings
- Handling Application Events
- Handling Request Events
- Locking Shared Scope Variables
- Handling Session Events

**Module 2: Manipulating Lists and Queries**

- Using Lists
- The Query Object
- Summarizing Group Data
- Transaction Processing
- Querying a Query

**Module 3: Manipulating Data and Arrays with Structures**

- Using Arrays
- Using Structures
- Using Built-In ColdFusion Data Structures
- Dynamically Evaluating Variables
- Combining Data Structures
- Accessing Data by Value or Reference

**Module 4: Advanced Component Concepts**

- Instance-Based Components
- Creating Dynamic Getter/Setter Proxies with onMissingMethod
- Using Built-In Components
- Prototyping Components with cfinterface

**Module 5: Handling Errors and Exceptions**

- Error Handling
- Customizing Application Error Messages
- Application-Wide Error Handling
- Handling Exceptions with Try/Catch
- Exception Handling Frameworks

**Module 6: Code and Content Reuse**

- Creating Custom Tags
- Using Custom Tag Attributes
- Setting Results on the Calling Page
- Calling Custom Tags
- Creating CFML Simple Nested Custom Tags
- .NET Integration with ColdFusion 10
- Creating Web Services
- Calling Web Services

**Module 7: Working with PDF Files and Forms**

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- Generate PDF Files from ColdFusion
- Manipulating PDF Files with cfpdf
- Pre-filling PDF Forms
- Posting Data from a PDF Form to ColdFusion

**Module 8: Data and File Manipulation in ColdFusion 10**

- Manipulating Image Data with cfimage
- Reading and Storing Image Data
- Image Processing
- Creating RSS Feeds
- Consuming RSS with CFFEED

**Module 9: Scaling Applications**

- Scalability Bottlenecks
- Caching Recordsets
- Caching Generated Results with cf_accelerate
- Caching Entire Page Results
- Using Asynchronous Process to Improve Performance