

# Flex 3 and LiveCycle Data Services: Integrating with ColdFusion 8

## Description

*Flex 3 and LiveCycle Data Services: Integrating with ColdFusion 8* provides experienced application developers with hands-on, practical experience connecting their Flex front ends to remote, dynamic data using LiveCycle Data Services. This two day course instructs developers how to connect with remote data using web services and LiveCycle Data Services' features allowing communication with a ColdFusion backend. In addition, skills will be learned how to manipulate and format the returned data.

## Course length

Three days

## Audience

This course is designed for application developers who want to connect their Flex front ends to dynamic data. To gain the most from this class, you should:

- Have attended the Flex 3: Developing Rich Client Applications course.
- Have equivalent knowledge of the topics covered in F3RCA.

## Course Outline

### Unit 1 : Introduction to Flex and ColdFusion

- Flex 3 and ColdFusion
- Reviewing the course prerequisites and objectives
- Reviewing the course outline
- Integrating Flex applications with ColdFusion
- Understanding the Flex services configuration file
- Using the ColdFusion Extensions for Flex Builder
- Using CFEclipse

### Unit 2 : Using ColdFusion Components with Flash Remoting

- Understanding Flash Remoting and the RemoteObject class
- Calling CFC methods with RemoteObject
- Using RemoteObject Events
- Complex Remote Method Calls
- Remoting Service Runtime Configuration

### Unit 3 : Using the ColdFusion Wizards for Flex Builder

- Understanding the ColdFusion Wizards for Flex Builder
- Using the CFC Value Object Wizard
- Using code from the CFC Value Object Wizard
- Modifying data with Wizard methods
- Using the ColdFusion/Flex Application Wizard

### Unit 4 : Managing Data on the Client

- Understanding collection classes
- Filtering Data on the Client
- Sorting data on the client
- Using the IViewCursor interface

## Unit 5 : Providing XML to Controls with E4X

- Understanding XML structure
- Working with XML data in ActionScript 3
- Using E4X Expressions
- Using the Tree control
- Using Tree Control Events and Properties
- Using E4X Expressions for Search
- Removing Items from XML

## Unit 6 : Introduction to LiveCycle Data Services

- Introducing LiveCycle Data Services
- Creating a Flex project for use with ColdFusion and LiveCycle Data Services
- LiveCycle Data Services Features
- Using BlazeDS

## Unit 7 : Using the Message Service

- Introducing the Message Service
- Sending Messages
- Receiving and processing messages
- Sending and receiving complex data
- Using the Message Service with ColdFusion Event Gateways

## Unit 8 : Using the Data Management Service

- Data Management Service Overview
- Creating a Data Management Service destination for use with ColdFusion
- Using the Data Management Service in a Flex application
- Managing changes to data
- Managing changes to data
- Using DataService Events
- Advanced Data Management Service Features

## Unit 9 : Uploading Files to ColdFusion

- Implementing file transfer basics
- Uploading a file