



Acobe Flex 3 - Data and Communications

Click here for course dates and to register.

Flex 3 - Data and Communications is a 16-hour course that provides experienced application developers with practical experience connecting their Flex front ends to remote dynamic data using Flex Data Services. This course instructs developers on how to connect with remote data using web services and Flex Data Services' features allowing communication with a Java backend. Developers will also learn how to manipulate and format the returned data.

Target Student: Application developers who want to connect their Flex front ends to dynamic data.

Prerequisites: Flex 3: Developing Rich Client Applications or equivalent knowledge.

Delivery Method: Instructor-led, classroom-delivery learning model with structured hands-on activities.

Benefits: This course provides you with hands-on, practical experience connecting your Flex front ends to remote, dynamic data using Flex Data Services. Additionally you will learn how to manipulate and format the return data.

What's Next:

Flash Rich Content Creation Add animation and user interaction to your website with graphics, text and sound effects.

Fast Track to ColdFusion Build and maintain dynamic and interactive web applications.

Performance-Based Objectives

Upon successful completion of this course, you will be able to:

- Access and use Web Services.
- Understand how to install and navigate in Flex Data Services as well as how to fully use its features and the Flex Proxy Service.
- Use Remote Object Services, focusing on ColdFusion components and Java classes.
- Validate data with Events and ActionScript, as well as format data.
- Work within the Flex Message Service, including publishing and receiving messages.
- Understand the XML structure as well as use the Tree Control and XML objects.
- Upload files to a server as well as send real-time messages between applications.



Adobe Flex 3 - Data and Communications 2 days

Introducing Flex 3	Manipulation Complex Data
Understanding Rich Internet Applications	Understanding Collection Classes
Introducing the Adobe Flex 3 Product Line	Filtering Data
The Foundation of RIA	Creating a Data Sort
Understanding the Flex Application Process Flow	Using the IViewCursor Interface
Accessing Web Services	Using the Flex Message Service
Using Web Services	Introducing the Flex Message Service
Invoking Web Service Methods and Using the Results	Understanding Publish-Subscribe Messaging
Consuming a Web Service	Publishing Messages
Handling Faults	Receiving and Processing Messages
Calling Multiple Methods from the Same WebService Object	Using the Flex Data Management Service
Introduction to Flex Data Services	What is the Flex Data Management Service?
Introducing Flex Data Services	Data Management Service Architecture
Installing Flex Data Service	Managing Pending Changes
Creating a Flex Application for use with Flex Data Services	Using Events
Navigating the Flex Project Structure	Advanced Data Management Service Features
Flex Data Services Features	Providing XML to Controls with E4X
The Flex Proxy Service	Understanding XML Structure
Using ColdFusion Components as Remote Object Services	Working with XML Data in ActionScript 3
Understanding Remote Object Services	Using the Tree Control
Configuring ColdFusion, Flex Builder and Calling a Remote Object Service Method	Using XML Objects
Exchanging Data between ActionScript and ColdFusion	Uploading Files to a Server
Using Java Classes as Remote Object Services	Implementing File Transfer Basics
Understanding Remote Object Services	Enhancing the User Experience with FileReference Events
Calling a Remote Object Service Method	Understanding the FileReferenceList Class
Handling PRC Events	Using the Data Management Service to Retrieve Photo Data
Exchanging Data between ActionScript and Java	Send Real-time Messages between Applications
Validating and Formatting Data	
Triggering Validation with Events	
Triggering Validation with ActionScript	
Using Regular Expressions	
Formatting Data	

