



### Adobe Flex 3 - Developing Rich Client Applications

*Click here for course dates and to register.*

Flex 3 - Developing Rich Client Applications is a 24-hour course that provides experienced application developers with practical experience using Flex. This three day course introduces developers to all the primary features of Flex they will need to know in order to build a fully functional, well architected front end for a Rich Internet Application (RIA).

**Target Student:** Application developers who want to bring the power of Rich Internet Applications to their web applications.

**Prerequisites:** To ensure your success, you should be familiar with an object oriented programming language such as Java or C++ and be familiar with XML terminology.

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

**Benefits:** This course provides experienced application developers with hands-on, practical experience using Flex.

#### What's Next:

Flex 3 - Data and Communications provides Flex developers with the ability to connect their Flex front ends to remote, dynamic data using Flex Data Services.

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

Fast Track to ColdFusion focuses on building and maintaining dynamic and interactive web applications, as well as working with databases, basic custom tags, and functions.

#### Performance-Based Objectives

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

- Use Flex Builder 3 to quickly develop Rich Internet Applications.
- Create highly interactive forms with data validation.
- Read information from and write information to a database.
- Customize the interactivity of your application using MXML and ActionScript 3.0.
- Build robust, highly scalable Rich Internet Applications using a model-view-controller framework.
- Understand and use containers.
- Understand, control and create view states, as well as customize component states.
- Retrieve XML Data with HTTPService.



## Adobe Flex 3 - Developing Rich Client Applications 3 days

Introducing Flex 3	Creating Application Navigation
Understanding Rich Internet Applications	Understanding Navigator Containers
Introducing the Adobe Flex 3 Product Line	Exploring Different Navigator Containers
The Foundation of the RIA: Flash Player/Flash Virtual Machine	Customizing the Application
Understanding the Flex Application Process Flow	Using the Styles API to Change Look-and-Feel
Getting Started with Flex Builder 3	Using Theme Styles
Understanding the Relationship between Eclipse and Flex Builder 3 Interface	Applying Behaviors to Components
Creating a Project and Your First Application	Applying Transitions to View States
Using Debugging	Using MXML and ActionScript Data Models
Learning Flex Fundamentals	Using the MVC Design Pattern
Creating a Simple Flex Application	Creating an MXML Data Model
Laying Out a Flex Application with Containers	Using ActionScript Classes as a Data Model
Adding User Interface Controls	Instantiating an Object in MXML from an ActionScript Class
Creating Bindings between Components	Defining Class Methods
Architecting an Application with MXML Components	Exchanging Data Between Components
Handling Events	Using Custom Events
Creating Event Handlers Using Inline ActionScript	Using a Binding to get Data from a Component
Handling Events with ActionScript Functions in External Files	Creating Custom Events
Understanding the Event Object	Creating, Dispatching and Handling a Custom Event
Using Simple Controls	Retrieving XML Data with HTTPService
Getting Familiar with Flex Controls	Retrieving XML Data at Runtime
Using Component Controls	Retrieving Data at Runtime with HTTPService
Displaying Images	Handling Faults
Laying Out an Application with Containers	Making HTTP Requests to Different Domains
Understanding Containers	Looping Through Data Using a Repeater
Using the Application Container	Understanding the Repeater Component
Using Layout Containers	Using DataProvider Data in Repeated Controls
Container Best Practices	Dynamically Creating Components using a Repeater
Component Layout and Sizing Rules	Using Repeater Data in ActionScript
Laying Out an Application Using Constraint-Based Layout	Referencing Repeated Components
Understanding Absolute Positioning	Displaying Data Using the DataGrid
Positioning Components within the Canvas Container	Using the DataGrid Control
Creating a Constraint-based Layout	Displaying Simple XML Data in a DataGrid
Using Constraint-based Layouts with Nested Components	Formatting DataGrid Columns
Using View States for Application Design	Using Item Renderers and Item Editors
Understanding View States	Using the TileList and HorizontalList
Controlling View States	Using Events and Selected Items with List-based Components
Creating View States that include Custom Components States	

