



Adobe ColdFusion - Developers Bootcamp

COLDFUSION TRAINING COURSE SYNOPSIS

This class provides you with the concepts and skills to use ColdFusion 9 effectively. This five day course will familiarize you with the ColdFusion development environment and the integration of other Adobe products, including CFEclipse and Dreamweaver.

WHAT YOU WILL LEARN IN THIS COLDFUSION TRAINING COURSE

- Setting Up ColdFusion development environment
- Using Dreamweaver and CFEclipse
- Publishing dynamic data using ColdFusion tags
- Reusing common code
- Building forms with ColdFusion
- Building search interfaces
- Incorporating JavaScript to perform client-side validation
- Securing Web pages

COLDFUSION TRAINING COURSE LENGTH AND TIME

This class is 5 days long. Class time is 9:00 a.m. - 4:00 p.m. Breaks are scheduled throughout the day and lunch is typically scheduled 12-1. Students provide their own lunch.

COLDFUSION - DEVELOPERS BOOTCAMP ENROLLMENT

Please see our Enrollment Page (<http://www.ledet.com/enroll>) for our enrollment form.

PREREQUISITES FOR THIS COLDFUSION TRAINING COURSE

Knowledge of your operating system and basic computer navigation is required for all classes. This class is a discounted combination of the Fast Track to ColdFusion and Advanced ColdFusion classes. For student scheduling purposes, each separate component is treated as a separate class. We also recommend that you have the Adobe ColdFusion software before starting the class. You can purchase the software or obtain a trial version of it from the Adobe website.

LOCATIONS FOR THIS COLDFUSION TRAINING COURSE

We have training centers in Atlanta, Houston, Chicago, Denver, San Diego and Washington DC. We also offer classes at a network of rental facilities. We offer private onsite training and instructor-led, live online training. If coming to a rental facility, please double-check the location of your class with our office to make sure you get to the right location.

GOALS FOR THIS COLDFUSION TRAINING COURSE

Sterling Ledet and Associates realizes the importance of education and we take pride in being able to offer you classes that are more custom fit to your needs. Call us at (877) 819-2665 if you have any special questions or e-mail us at sales@ledet.com.

MULTI-CLASS PACKAGES

This bundle/workshop provides a significant discount off of our regular pricing. Our standard policy for all bundled workshops is that once one of the classes in the bundle, package or workshop is attended, no refunds are available for unused portions of the bundle. Student rescheduling is available under our regular policies.

DISCLAIMER

Our goal is to make sure your class meets your objectives, not ours. Therefore, all of our outlines are treated as guides to help steer the workshop. This outline does not guarantee that all the topics listed will be covered in the time allowed. The amount of material covered is based on the skill level of the student audience. We may change or alter course topics to best suit the classroom situation.

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LESSON 1 - INTRODUCING TO COLDFUSION

Dynamic HTML generation
CFML and ColdFusion
ColdFusion Administrator
ColdFusion datasources

LESSON 2 - GETTING STARTED WITH COLDFUSION BUILDER

Eclipse and ColdFusion Builder
Exploring the ColdFusion Builder interface
Creating a project and your first application
Debugging applications
Accessing help in Adobe ColdFusion
Builder
Advanced features

LESSON 3 - LEARNING COLDFUSION FUNDAMENTALS

Creating ColdFusion variables
Displaying variable values
Working with forms
Introducing ColdFusion forms
Commenting code
Conditional statements
Reusing code with

LESSON 4 - PUBLISHING DATABASE CONTENT

Connecting to a database
Querying a database table
Viewing debug data
Dumping a recordset to a browser
Displaying database data
Using the Resultset data
Introducing CurrentRow
Using URL data in dynamic queries

LESSON 5 - COMPLEX VARIABLE TYPES

Using ColdFusion functions
Looping over data
Working with lists
Working with arrays
Working with structures

LESSON 6 - COLDFUSION COMPONENTS

Reusing code

Using custom tags
Creating user-defined functions
Introduction to components

LESSON 7 - INTRODUCTION TO OBJECT ORIENTED COLDFUSION

Instance-based components
Caching instances
Adding methods to a component
Property getters and setters

LESSON 8 - THE APPLICATION FRAMEWORK

Addressing the web's statelessness
Using the application framework
Configuring application settings
Handling application events
Handling request events
Locking shared scope variables
Handling session events
OnServerStart()
applicationStop()

LESSON 9 - TAGS GALORE

Using
Using
Creating PDFs with
Using
Using
Filesystem tags
Email tags
Using
Using

LESSON 10 - SECURING AND APPLICATION

Using the ColdFusion Login Wizard
Understanding the Login Pages
Customizing the Login
Using the Application Framework
Using Application Events
Using Application Variables
Using Session Variables

LESSON 11 - NEW FEATURES IN COLDFUSION 9

New ColdFusion Tags
cfpdf for PDF and ColdFusion
Using the Tag
Building RSS feeds with cffeed
New Features of the ColdFusion
Administrator

LESSON 12 - COURSE INTRODUCTION

Course methodology and format
Course objectives
Course prerequisites

LESSON 13 - INTRODUCTION TO COMPONENTS (CFC'S)

Types of Components
Creating a Static Component
Defining Functions in Components
Using CFC Self-generating documentation
Invoking Static CFC Methods with
CreateObject()
Using the Application Framework
Configuring application settings
Logging events with
Handling application events
Handling request events
Locking shared scope variables
Handling session events
Component Inheritance

LESSON 14 - MANIPULATING LISTS AND QUERIES

Using lists
Manipulating queries
Summarizing and grouping data
Transaction processing
Querying a query
Dynamically retrieving database meta
information with
File Uploading and Parsing Delimited Files

LESSON 15 - MANIPULATING DATA WITH ARRAYS AND STRUCTURES

Using arrays
Using structures
Using built-in ColdFusion data structures
Dynamically evaluating variables
Combining data structures
Accessing data by value or by reference
Converting Queries to Arrays of Structures

LESSON 16 - ADVANCED COLDFUSION COMPONENT CONCEPTS

Creating instance based components
Persisting CFC instances
The impact of locking for concurrency
Associating data with components
Referencing CFC Properties
Documenting CFC Properties

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Using the Getter/Setter approach
Restricting Method Invocation
Creating Dynamic Getter/Setters with
onMissingMethod()
Using the Administrator API
Prototyping components with

identify bottlenecks
Caching recordsets
Using to cache generated page contents
Caching entire page results
Using asynchronous processes to improve
performance using

LESSON 17 - HANDLING ERRORS AND EXCEPTIONS

Introducing error handling
Customizing application error messages
Creating an Application-Wide Error
Handler with onError()
Using onMissingTemplate()
Understanding the try/catch methodology
Learning about exception handling
frameworks using

LESSON 18 - CODE AND CONTENT REUSE

Creating custom tags, nested custom tags
.NET Integration - using .NET Assemblies
Creating Web Services
Calling External Web Services

LESSON 19 - WORKING WITH PDF FORMS IN COLD FUSION

Creating dynamic PDF files with
Modifying PDF files with
Analyzing a PDF file using
Using to pre-fill form fields with data
Working with submitted PDF form data

LESSON 20 - DATA AND FILE MANIPULATION IN COLD FUSION

Image processing in ColdFusion Using
Image Processing Functions
RSS Feeds in ColdFusion using
Consuming RSS Feeds
Creating RSS Feeds
Creating Dynamic Multimedia Presentations
with
Creating ZIP files with

LESSON 21 - PERFORMANCE, SCALABILITY, AND ROBUSTNESS

Understanding performance, robustness,
and scalability
Effectively configuring the ColdFusion
server
Identifying scalability bottlenecks in your
code
Using the ColdFusion Server Monitor to