

Advanced ColdFusion Course Outline

Debugging and Troubleshooting

- Troubleshooting ColdFusion Applications
- ColdFusion Debugging Output Options
- Using the ColdFusion Log Files
- Preventing Problems

Building ColdFusion Applications

- Introducing the Web Application Framework
- Using Application.cfc
- Using Application Variables
- Customizing the Look of Error Messages
- Handling Missing Templates
- Using Locks to Protect Against Race Conditions
- Application Variable Timeouts
- Handling Server Startup

Working with Sessions

- Addressing the Web's Statelessness
- Using Cookies to Remember Preferences
- Using Client Variables
- Using Session Variables
- Working with onSessionStart and onSessionEnd
- Locking Revisited
- Interacting with Email
- Introducing the <cfmail> Tag
- Retrieving Email with ColdFusion

Securing Your Applications

- Options for Securing Your Application
- Using ColdFusion to Control Access
- Using Session Variables for Authentication
- Using Operating System Security
- Defending Against Cross-Site Scripting

Building User-Defined Functions

- Thinking About Extending CFML
- Functions Turn Input into Output
- Building Your First UDF
- Creating Libraries of Related UDFs
- Creating General-Purpose UDFs
- Sharing UDF Libraries with Others

Creating Custom Tags

Easy, Powerful Extensibility
Introducing CFML Custom Tags
How to Use Custom Tags
Writing Custom Tags That Display Information
Custom Tags That Process Data
Additional Custom Tag Topics
Working with <cfimport>
Advanced Custom Tags

Creating Advanced ColdFusion Components

Review of ColdFusion Components
Simple CFCs
Introspection and HINTs
Accessing a CFC via a URL
Type Checking in Components
Components That Hold Instance Data
Working with Inheritance
Defining Interfaces
Implementing Security
Using the OnMissingMethod Method

ColdFusion Server Configuration

The ColdFusion Administrator
Server Settings
Data and Services
Debugging and Logging
Server Monitoring
Extensions
Event Gateways
Security

Packaging and Deployment

Managing Threads
Using the <cfthread> Tag
Accessing Thread Data
Monitoring and Administering Threads
Best Practices
Improving Performance
Options in the ColdFusion Administrator
Improving Query Performance with Caching
Caching Page Output