



ADOBE TRAINING

Advanced Adobe Coldfusion Development

Master advanced Adobe Coldfusion development to build robust, scalable and secure web applications.

DURATION

Flexible

LEVEL

Intermediate

FORMAT

Instructor-Led

- Globally Recognized Certification

- Expert-Led Hands-On Training

- Flexible Scheduling

Computer Pride | 1st Floor, ICEA Building, Kenyatta Avenue, Nairobi | www.computer-pride.co.ke

COURSE OVERVIEW

This Advanced Adobe ColdFusion Development course is meticulously designed for experienced developers looking to elevate their proficiency in building, optimizing, and securing enterprise-grade web applications with Adobe ColdFusion. Delving beyond the fundamentals, this program explores sophisticated CFML programming techniques, robust database interaction strategies, and advanced application security measures. Participants will gain mastery over intricate ColdFusion features, including advanced ORM capabilities, integration with RESTful and SOAP web services, and comprehensive performance tuning methods crucial for high-traffic environments. By completing this course, developers will be equipped with the expertise to tackle complex development challenges, enhance application stability, and significantly improve performance of ColdFusion applications. The curriculum emphasizes real-world scenarios, best practices, and modern ColdFusion features, ensuring that learners can architect scalable and secure solutions. This certification not only validates a high level of technical skill in ColdFusion but also positions professionals for leadership roles in development teams, capable of driving innovation and maintaining cutting-edge web infrastructure.

Level	Intermediate
Vendor	Adobe

COURSE CURRICULUM

01 Module 1: Advanced CFML & Object-Oriented Programming

- Advanced CFML functions and tags
- Custom Components (CFCs) and inheritance
- Object-Oriented Programming (OOP) principles in ColdFusion
- Design patterns and architectural considerations
- Dependency Injection and Inversion of Control

02 Module 2: Database Optimization & ORM

- Advanced database interaction techniques
- ColdFusion ORM (Object Relational Mapping) deep dive
- Optimizing database queries and performance
- Working with stored procedures and complex joins
- Transaction management and data integrity

03 Module 3: Web Services, APIs & Integration

- Building and consuming RESTful web services with ColdFusion
- Working with SOAP-based web services
- Integrating with external APIs and third-party services
- JSON and XML data manipulation
- OAuth and API security considerations

04 Module 4: Security Best Practices & Performance Tuning

- Advanced ColdFusion application security vulnerabilities (CSRF, XSS, SQL Injection)
- Implementing robust security measures and best practices
- ColdFusion Administrator security settings
- Performance monitoring and profiling tools
- Caching strategies (server, query, application, object caching)
- Load balancing and scalability considerations

Module 5: Deployment, Monitoring & Troubleshooting

- 05**
- ColdFusion deployment strategies (single server, clustered environments)
 - Using ColdFusion logging and debugging tools
 - Error handling and robust exception management
 - Monitoring ColdFusion server health and application performance
 - Troubleshooting common ColdFusion issues

06 **Module 6: Modern ColdFusion Features & Best Practices**

- Leveraging new features in recent ColdFusion versions (e.g., ColdFusion 2023)
- Integration with modern JavaScript frameworks (e.g., React, Angular, Vue)
- Best practices for maintainable and scalable ColdFusion codebases
- Unit testing and integration testing strategies
- Adopting CI/CD pipelines for ColdFusion applications

CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

- > **Senior ColdFusion Application Developer**
- > **ColdFusion Solutions Architect**
- > **Enterprise Web Services Integrator (specializing in ColdFusion backends)**

FREQUENTLY ASKED QUESTIONS

Q: What advanced ColdFusion features will I master that are critical for enterprise-level application development and modernization?

This course will equip you with mastery over advanced ORM configurations, sophisticated RESTful and SOAP web service integration, comprehensive security hardening techniques against common vulnerabilities like SQL injection and XSS, and in-depth performance tuning strategies using server-level caching and query optimization. You'll learn to leverage modern ColdFusion features for building scalable, secure, and maintainable enterprise applications.

Q: What are the recommended prerequisites for enrolling in this Advanced Adobe ColdFusion Development course?

To maximize your learning experience, participants should possess a solid foundational understanding of ColdFusion Markup Language (CFML) and basic ColdFusion application development concepts. This includes familiarity with database interaction, form processing, and fundamental CFC usage. Prior experience with HTML, CSS, JavaScript, and SQL is also highly beneficial. This course builds upon existing knowledge, diving deep into complex topics.

Q: How does this course specifically address the challenges of optimizing and securing existing legacy ColdFusion applications?

The curriculum features dedicated modules on performance tuning and security best practices, directly addressing legacy application concerns. You'll learn techniques to identify and mitigate common vulnerabilities in older codebases, implement modern security measures, and apply advanced caching and database optimization strategies to significantly improve the speed and responsiveness of existing applications. We also cover strategies for refactoring and integrating modern components into established ColdFusion systems.

ABOUT COMPUTER PRIDE



East Africa's Premier IT Training Center

With over 15 years of excellence, Computer Pride delivers globally recognized certification programs from leading technology vendors. Located on Kenyatta Avenue in Nairobi's CBD, our state-of-the-art facilities and expert instructors have empowered thousands of professionals across East Africa.

15+

Years of Excellence

10,000+

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READY TO ENROL?

Take the next step in your technology career.

Location

1st Flr, ICEA Building
Kenyatta Ave, Nairobi

Email

info@computer-pride.co.ke

Phone

+254 705 900 900

www.computer-pride.co.ke