



## 2012 Instructor-Led Course Catalog

# *Caliber Data Training*



**1987-2012**

**Caliber Data Training** is celebrating 25 years of excellence in I.T. training, providing training services to Fortune 1000 companies and federal, state, and local government agencies.

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## **Java/J2EE and Open Source Frameworks**

Java Programming using RAD.....	5 days
J2EE Programming using RAD (Servlet & JSP) .....	5 days
Servlet Programming using RAD .....	3 days
JSP Programming using RAD .....	2 days
Java/Servlet/JSP Programming using RAD -- FAST TRACK .....	5 days
Advanced Java using RAD .....	5 days
Java Design Principles & Patterns.....	2 days
Intro to JSF (Java Server Faces) using RAD.....	3 days
EJB Programming with RAD .....	5 days
Struts Framework.....	4 days
Spring-MVC Web Applications.....	5 days
Hibernate .....	5 days
Integrating Spring and Hibernate Developers Workshop (Spring Emphasis) .....	5 days
Integrating Spring and Hibernate Developers Workshop (Hibernate Emphasis).....	5 days
Developing AJAX Applications .....	3 days
AJAX in Java Applications .....	2 days
Developing SOAP Web Services in Java .....	5 days
Securing Web Services .....	5 days
Web Services Development using RAD .....	5 days

## **Ruby / Ruby on Rails**

Intro to the Ruby Programming Language.....	4 days
Ruby on Rails .....	4 days

## **Service Oriented Architecture (SOA)**

SOA Overview for Non-Technical Managers .....	1 day
Understanding SOA: A Technical Overview .....	1 day
An Introduction to SOA and Web Services .....	2 days
SOA Architecture and Design Principles .....	2 days
Service Oriented Modeling & Architecture .....	5 days
Service Oriented Architecture (SOA) Immersion Bootcamp .....	5 days

## **WebSphere MQ**

Technical Introduction to WebSphere MQ7 .....	1 day
WebSphere MQ7 Application Programming .....	4 days



**VB.NET**

Object Oriented Programming in VB.NET .....	5 days
.NET Framework using VB.NET .....	4 days
For Web Developers:	
ASP.NET using VB.NET .....	5 days
ADO.NET for Web Applications using VB.NET .....	3 days
For Windows Developers:	
Windows Forms using VB.NET .....	5 days
ADO.NET using VB.NET .....	3 days
Web Services using VB.NET & ASP.NET .....	4 days
XML Parsing using VB and .NET .....	2 days

**C#.NET**

C# Essentials .....	2 days
OO Essentials with C# and .NET .....	3 days
OO Programming in C# .....	5 days
.NET Framework using C#.....	3 days
Windows Forms using C#.NET .....	3 days
ASP.NET using C#.NET .....	4 days
ADO.NET using C#.NET.....	3 days
Web Services using C# and ASP.NET .....	4 days

**Internet Development**

Creating Accessible Web Sites .....	2 days
Web Technology Overview: J2EE/.NET .....	2 days
HTML/XHTML Web Page Development with CSS .....	3 days
JavaScript Web Page Programming.....	3 days
XML Overview for Managers .....	½ day
XML for Developers .....	3 days
XSLT Programming .....	3 days
Processing XML with Java .....	3 days
W3C Schemas .....	4 days
XSL-FO .....	3 days
Python Programming .....	4 days
ColdFusion Web Application Development.....	4 days
PowerBuilder Programming Basic .....	5 days
PowerBuilder Programming Advanced .....	5 days
Introduction to Perl.....	5 days
Advanced Perl Programming .....	5 days
Perl CGI Programming.....	2 days



**Oracle**

Oracle 11g Concepts and Facilities .....	2 days
Oracle 11g SQL & SQL* Plus .....	5 days
Oracle 11g PL/SQL Programming .....	3 days
Oracle 11g Advanced PL/SQL Programming .....	2 days
Oracle 11g Advanced SQL Queries.....	2 days
Oracle 11g Application Tuning.....	3 days
Oracle Forms I .....	4 days
Oracle Forms II .....	3 days
Oracle Reports.....	4 days
Oracle SQL Developer.....	4 days

**C and C++**

C Language Programming.....	5 days
C++ Programming.....	5 days

**UNIX/Linux**

UNIX and Linux System Basics I .....	3 days
UNIX and Linux System Basics II .....	2 days
UNIX Shell Programming .....	5 days
Korn Shell Programming Essentials .....	3 days
Advanced Korn Shell Programming .....	2 days
Bourne Shell Programming .....	5 days
Red Hat Server Administration .....	5 days
Red Hat Workstation Administration .....	5 days
SUSE Linux Overview for Managers .....	1 day
SUSE Linux Administration.....	4 days

**IT Service Management & ITIL**

ITSM/ITIL v3 Foundation Certification .....	3 days
ITSM/ITIL v3 Awareness: Executive Overview .....	1 day
ITSM/ITIL Simulation Polestar .....	1 day

**Tivoli and BMC Control**

Tivoli System Automation for z/OS - Essentials .....	3 days
Tivoli System Automation for z/OS Programming - Advanced .....	3 days
BMC Control O Automation .....	2 days
Constructing BMC Control O Applications .....	3 days
Introduction to BMC Control M & Control M/Restart .....	3 days
Introduction to BMC Control M/Enterprise Manager .....	4 days



**Systems Development**

Defining and Managing User Requirements .....	2 days
Reviewing Requirements and Design Adequacy .....	2 days
Business Process Management .....	2 days
Object Technology Overview .....	1 day
Object Oriented Analysis & Design using UML.....	5 days
Introduction to Use Cases.....	1 day
Interaction Design .....	3 days
Introduction to Rational Rose.....	1 day
Rational Unified Process (RUP).....	3 days
Managing OO Projects.....	1 day
Structured Systems Analysis .....	3 days
Structured Systems Design .....	3 days

**Agile**

Managing Software Projects using SCRUM .....	2 days
Design & development in an Agile Environment.....	5 days
Agile Data Base Design Techniques .....	5 days
Test Driven Design and Refactoring .....	3 days

**Business Analysis (CBAP)**

Business Analysis for IT Professionals .....	4 days
High Quality Business Requirements .....	3 days
Consulting Skills for the Business Analyst .....	2 days
Business Analysis and Requirements Gathering .....	3 days
Project Management Skills for the Business Analyst .....	2 days
Modeling Techniques for the Business Analyst .....	4 days
Preparation for the CBAP Certification Exam .....	3 days

**Project Management (PMP)**

Project Management.....	5 days
Project Planning and Control Workshop .....	1 day
PMP Exam Preparation .....	4 days
Project Scope and Risk Management.....	2 days
Leadership Skills for the Project Professional.....	2 days
MS Project 2010-Level 1.....	1 day
MS Project 2010-Level 1.....	1 day



**Data Warehousing**

Logical Data Modeling ..... 2 days  
Introduction to Data Modeling and Design Using Erwin R7.3 ..... 4 days  
Advanced Data Modeling Using Erwin R7.3 ..... 3 days  
Introduction to Data Mining ..... 3 days  
The Data warehouse ETL Toolkit ..... 3 days  
Relational Database Design ..... 1 day  
Introduction to Data Warehousing ..... 5 days  
Relational and Dimensional Data Warehouse Design ..... 3 days

**Business Intelligence**

Delivering Business Intelligence with Microsoft SQL Server 2008 ..... 5 days  
Business Intelligence Roadmap..... 3 days  
Balanced Scorecards & Operational Dashboards with Microsoft Excel..... 4 days  
Microsoft Reporting Services 2008 ..... 4 days

**Business Objects**

Business Objects Web Intelligence XI -Intro ..... 2 days  
Business Objects Web Intelligence XI -Advanced ..... 1 day  
Business Objects Universe Design ..... 2 days

**Cloud Computing**

Cloud Computing Executive Overview ..... 1/2 day  
Cloud Computing Primer..... 1 day  
Cloud Computing Workshop Training ..... 2 days  
Designing Cloud Computing Solutions ..... 2 days  
Cloud Programming Workshop ..... 2 days  
Cloud Computing for Architects ..... 4 days

**Mobile Computing**

Enterprise iPhone and iOS 4 Application Development..... 5 days  
Enterprise Android Application Development ..... 5 days



**MySQL and Teradata**

MySQL Structured Query Language..... 3 days
Teradata SQL ..... 5 days

**Software Testing**

Software Quality Assurance..... 3 days
Proactive Software Quality Assurance and Testing..... 3 days
Proactive Testing: Risk Based Test Planning, Design, and Automation..... 3 days
Writing Testable Software Requirements and Use Cases..... 2 days
Fundamentals of Unit Testing..... 3 days

**IBM Mainframe & Midrange**

**Mainframe Fundamentals**

Introduction to Computing.....2 days
TSO/ISPF ..... 2 days
OS/390 and z/OS Concepts..... 1 day
JCL Fundamentals.....3 days
Reading Mainframe Data ..... 1 day
Business Programming Logic .....2 days

**COBOL Programming**

COBOL Fundamentals.....5 days
Advanced COBOL .....5 days
Enterprise COBOL New & Advanced Features .....5 days
Enterprise COBOL Debugging with Abend-AID & IBM's EDUMP .....4 days
Software Testing.....2 days
COBOL System Project .....9 days
VSAM.....2 days

**Other Mainframe Programming Languages**

Assembler Language Programming - Introduction .....5 days
Assembler Language Programming - Advanced .....5 days
PL/1 Applications Programming - Introduction.....5 days
PL/1 Applications Programming - Advanced .....5 days
SAS Programming (available for Mainframe and PC) .....3 days
SAS Fundamentals (available for Mainframe and PC) .....1/2 day
SAS File Manipulation (available for Mainframe and PC).....1 day
SAS Graphing (available for Mainframe and PC) .....1 day
Focus Report Writing Fundamentals .....3 days
Focus Report Writing Advanced .....2 days
Easytrieve Plus Introduction .....2 days
Easytrieve Plus Advanced .....2 days



**Programming Aids & Utilities**

Xpediter Workshop .....	1 day
Xpediter IMS .....	1 day
SyncSort .....	2 days
File-AID .....	1 day
Using File Manager for z/OS.....	2 days
TSO/E CLIST Programming .....	3 days
z/OS REXX Programming.....	3 days
ISPF Dialog Manager.....	3 days
Introduction CA-1 .....	2 days
CA-1 for JCL Users .....	1 day
Using CA-11.....	1 day
Introduction to CA-ACF2.....	½ day
CA-ACF2 Administration.....	4 days
CA-ACF2 Administration (Basics).....	2 days
CA-AutoSys Workload Automation r11.3 Upgrade Readiness .....	3 days

**Advanced JCL**

JCL for COBOL Programmers .....	2 days
JCL for PL/1 Programmers .....	2 days
JCL Jobstream Design .....	1 day

**DB2 /SQL/ RDBMS**

R/DBMS .....	1 day
Structured Query Language Intro .....	2 days
Structured Query Language Advanced.....	1 day
DB2 Application Programming.....	5 days
DB2 within COBOL: Embedded SQL.....	2 days
Advanced DB2 for Programmers (DB2 UDB for z/OS).....	3 days
DB2 UDB Stored Procedures for z/OS .....	2 days
DB2 SQL PL Stored Procedure Language .....	3 days
DB2 Performance and Tuning for Programmers .....	3 days
Query Management Facility (QMF).....	3 days

**CICS/IMS**

CICS Command Level Workshop .....	5 days
Advanced CICS Programming .....	5 days
IMS/DB Programming .....	5 days
IMS DC/IMS TM Programming .....	5 days

**Mainframe Operations**

Basic z/OS MVS Operations.....	3 days
Advanced z/OS MVS Operations.....	2 days
Basic OS/390 MVS Operations.....	3 days
Advanced OS/390 MVS Operations .....	2 days





**IBM i Series (NEW CURRICULUM)**

IBM i Concepts and CL Programming <b>(NEW)</b> .....	5 days
IBM i Concepts and Programming Tools <b>(NEW)</b> .....	3 days
RPG IV Programming <b>(NEW)</b> .....	5 days
Embedded SQL Programming with RPG IV <b>(NEW)</b> .....	2 days