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Announcing CIRCLE'S Classes are now on the IBM Schedule

Course Name	Circle Course Code	IBM Course Code
<u>CICS TS V3.2 Web Support Programming Workshop</u>	CWSP32	CI821
<u>CICS TS V3.2 Structure and Debugging Module 1</u>	TS32D1	CI834
<u>CICS TS V3.2 Structure and Debugging Module 2</u>	TS32D2	CI844
<u>CICS TS V3.2 Performance and Tuning</u>	CPT32	CI868
<u>Debugging Techniques for WebSphere MQSeries for z/OS</u>	MQDW	CI881
<u>CICS V4 Web Support Programming Workshop</u>	CWSP	CI882
<u>CICS TS V4 New Features & Facilities</u>	CALR	CI883
<u>CICS TS V4 Structure & Debugging Module 1</u>	TS4D1	CI884
<u>CICS TS V4 Structure & Debugging Module 2</u>	TS4D2	CI885
<u>CICS TS V4 Performance Tuning</u>	CPT4	CI886
<u>Understanding and Using the CICSplex SM WUI</u>	CPU42	CI887

CICS

CICS/TS V4 New Features & Facilities

[CALR/CI883]^{IBM Jointed} **UPDATED!!!**

3 Days \$2,175

Dates/Locations: Mar 12 Irvine, CA
Jun 11 Wayne, NJ

CICS/TS Explorer Customization &

Operation [CECO] **NEW!!!** 2 Days \$1,100

Dates/Locations: Mar 15 Irvine, CA
Jun 14 Wayne, NJ

CICS Transaction Server Version 4 Structure & Debugging Module 1&2 [TS4D1/CI884 & TS4D2/CI885]^{IBM Jointed} **NEW!!!**

5 Days each module \$3,625

TS4D1/CI884

Mar 5 Irvine, CA
May 21 Wayne, NJ

TS4D2/CI885

Mar 26 Irvine, CA
Jun 18 Wayne, NJ

CICS TS Version 4 Performance Tuning [CPT4/CI886]^{IBM Jointed}

NEW!!! 4 Days \$2,900

Dates/Locations: Mar 19 Irvine, CA Jun 25 Wayne, NJ

CICS/TS V4 Problem Determination Workshop [CPDW]**NEW!!!**

5 Days \$3,025

Dates/Locations: Jan 23 Irvine, CA Apr 30 Wayne, NJ

CICS Configuration Manager Concepts & Facilities

[CCCM]**NEW!!!** 3 Days \$2,500

Dates/Locations: Mar 26 Irvine, CA Jun 18 Wayne, NJ

CICS Performance Analyzer Concepts & Facilities

[CCPA]**NEW!!!** 3 Days \$2,500

Dates/Locations: Mar 12 Irvine, CA May 30 Wayne, NJ

Understanding & Using CICSplex SM WUI

[CPW42/CI887]^{IBM Jointed} **NEW!!!** 3 Days \$1,800

Dates/Locations: Feb 27 Irvine, CA Jun 25 Wayne, NJ

Implementing Threadsafe for CICS/TS [CTHS] 3 Days \$1,675

Dates/Locations: Feb 21 Irvine, CA Apr 9 Wayne, NJ

CICS Transaction Server Version 3.2 Structure & Debugging

Module 1&2 [TS32D1/CI834 & TS32D2/CI844]^{IBM Jointed}

5 Days each module \$3,625

TS32D1/CI834

Feb 6 Irvine, CA
Apr 16 Wayne, NJ

TS32D2/CI844

Feb 27 Irvine, CA
May 14 Wayne, NJ

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CICS TS Version 3.2 Performance Tuning [CPT32/CI868]^{IBM Jointed}

4 Days \$2,900

Dates/Locations: Feb 13 Irvine, CA Apr 2 Wayne, NJ

CICS Web Support Programming Workshop

[CWSP/CI882]^{IBM Jointed} 5 Days \$3,625

Dates/Locations: Jan 30 Irvine, CA Jun 11 Wayne, NJ

CICS COBOL XML Workshop [CXML] 2 Days \$1,250

Dates/Locations: Feb 23 Irvine, CA Apr 4 Wayne, NJ

CICS Concepts & Facilities [CA] 2 Days \$1,050

Dates/Locations: Feb 6 Irvine, CA May 21 Wayne, NJ

CICS Application Prog. Workshop [CAPW] 5 Days \$2,625

Dates/Locations: Jan 30 Irvine, CA Apr 16 Wayne, NJ

CICS Application Debugging Wkshp [CADW] 3 Days \$1,575

Dates/Locations: Feb 8 Irvine, CA May 23 Wayne, NJ

CICS System Administration [CSA] 5 Days \$2,100

Dates/Locations: Mar 19 Irvine, CA Jun 4 Wayne, NJ

[WM805] CICS V4.2 Fundamentals^{IBM} **NEW!!!** 3 Day \$2,175

Dates/Locations: Mar 12 Phoenix, AZ(B) May 14 Wayne, NJ

[WM814] CICS V4.1 Basic Tailoring^{IBM} 5 Day \$3,125

Dates/Locations: Feb 6 Phoenix, AZ(B) May 14 Wayne, NJ

[WM820] CICS V3.2 Additional System Programmer Topics

Including SOA and Web Services^{IBM} 5 Day \$3,625

Dates/Locations: Feb 27 Phoenix, AZ(B) May 21 Wayne, NJ

[WM864] CICS V4.1 Command Level Coding^{IBM} 5 Day \$3,625

Dates/Locations: Feb 13 Phoenix, AZ(B) Jun 4 Wayne, NJ

[WM844] CICS V4.1 CICSplex System Manager Intro^{IBM}

1 Day \$525

Dates/Locations: Mar 5 Phoenix, AZ(B) Jun 18 Wayne, NJ

[WM854] CICS V4.1 CICSplex System Manager

Administration^{IBM} 4 Days \$2,500

Dates/Locations: Mar 6 Phoenix, AZ(B) Jun 19 Wayne, NJ

[WM870] CICS V3.2 Advanced Application Development SOA

& Web Services^{IBM} 5 Days \$3,625

Dates/Locations: Mar 19 Phoenix, AZ(B) Jun 11 Wayne, NJ

WebSphere MQSeries

WebSphere MQSeries Debugging Techniques

[MQDW/CI881]^{IBM Jointed} **UPDATED!!!** 3 Days \$2,295

Dates/Locations: Feb 13 Elk Grove, CA May 7 Wayne, NJ



For More Classes & Schedules. Visit www.circle-us.com

WebSphere MQSeries (CONTINUED)

Technical Introduction to WebSphere MQSeries [MQS1]

1 Day \$475
Dates/Locations: Feb 6 Elk Grove, CA Apr 16 Wayne, NJ

WebSphere MQSeries Application Programming [MQS2]

4 Days \$2,250
Dates/Locations: Jan 30 Elk Grove, CA Apr 17 Wayne, NJ

WebSphere MQSeries System Administration [MQS4]

UPDATED!!! 4 Days \$2,250
Dates/Locations: Feb 7 Elk Grove, CA Apr 2 Wayne, NJ

IBM WebSphere MQSeries V7 System Administration(AIX Labs) [WM202]^{IBM}

4 Days \$2,400 *Interest in Class*
Dates/Locations: (Virtual) Jan 31
Apr 10 NYC, NY (Classroom)

IBM WebSphere MQSeries V7 System Administration (Linux Labs) [WM203]^{IBM}

4 Days \$2,400 *Interest in Class*
Dates/Locations: Feb 14 Durham/Raleigh, NC (Classroom)

IBM WebSphere MQSeries V7 System Administration (Distributed) [WM210]^{IBM}

3 Days \$2,400 *Interest in Class*
Dates/Locations: (Virtual) Feb 27 Mar 19

IBM WebSphere MQSeries Designing and Architecting Clustering Solution [WM250]^{IBM}

4 Days \$2,500 *Interest in Class*
Dates/Locations: Jan 31 Durham/Raleigh, NC (Classroom)
(Virtual) Jan 31

IBM WebSphere MQSeries V7 System Administration (z/OS) [VM300]^{IBM}

4 Days \$2,400 *Interest in Class*
Dates/Locations: (Virtual) Jan 23

IBM WebSphere Message Broker V7 Developer Workshop [VM663]^{IBM}

5 Days \$3,125 *Interest in Class*
Dates/Locations: (Virtual) Feb 13

IBM WebSphere Message Broker V7 System Administration [WM643]^{IBM}

4 Days \$2,500 *Interest in Class*
Dates/Locations: (Virtual) Feb 21

DB2

DB2 z/OS Concepts & Facilities [DC] 2 Days \$ 950
Dates/Locations: Jan 23 Wayne, NJ May 7 Irvine, CA

DB2 z/OS Version 10: Change & New Features [DBV10]^{NEW!!!}

2 Days \$950
Dates/Locations: Jan 25 Wayne, NJ May 9 Irvine, CA

DB2 z/OS Application Programming Workshop [DAPW]

5 Days \$1,950
Dates/Locations: Feb 6 Wayne, NJ Apr 16 Irvine, CA

DB2 z/OS Advanced Application Programming [DASE]

4 Days \$2,050
Dates/Locations: Feb 27 Wayne, NJ May 21 Irvine, CA

Using XML with DB2 [XMLD] 1 Day \$ 525

Dates/Locations: Jan 27 Wayne, NJ May 11 Irvine, CA

DB2 z/OS Database Design, Implementation & Administration [DDA]^{NEW!!!}

5 Days \$2,750
Dates/Locations: Mar 12 Wayne, NJ Jun 11 Irvine, CA

DB2 z/OS Database Advanced Administration [ADBA]

4 Days \$2,100
Dates/Locations: Mar 19 Wayne, NJ Jun 18 Irvine, CA

DB2 z/OS Application and Database Design [DADD]

4 Days \$1,900
Dates/Locations: Mar 5 Wayne, NJ Jun 4 Irvine, CA

DB2 z/OS for Query Users [DSQL] 3 Days \$1,425

Dates/Locations: Feb 6 Wayne, NJ Apr 16 Irvine, CA

DB2 z/OS Monitoring & Tuning Application Performance [DPTA]

3 Days \$1,900
Dates/Locations: Feb 13 Wayne, NJ Apr 23 Irvine, CA

DB2 for z/OS—New Features in Version 10 Version [CV312]^{IBM}

4 Days \$3,250 *Interest in Class*
Dates/Locations: Jan 9 NYC, NY

DB2 9 for z/OS Database Administration Workshop Part1 [CV830]^{IBM}

5 Days \$3,250 *Interest in Class*
Dates/Locations: Jan 16 Phoenix, AZ

DB2 9 for z/OS Advanced System & Disaster Recovery Workshop [CV910]^{IBM}

4 Days \$2,600 *Interest in Class*
Dates/Locations: Feb 21 Atlanta, GA

DB2 9 for z/OS System Administration [3V850]^{IBM}

5 Days \$3,250 *Interest in Class*
Dates/Locations: (Virtual) Mar 12

DB2 9 for z/OS Application Performance Tuning [CV960]^{IBM}

5 Days \$3,250 *Interest in Class*
Dates/Locations: Apr 16 Irvine, CA

DB2 9 for z/OS Index Modeling and Design [CV940]^{IBM}

3 Days \$1,950 *Interest in Class*
Dates/Locations: (Virtual) Jan 23

z/OS

Z/VM Concepts & Facilities [ZVM1] NEW!!! 1 Day \$650
Dates/Locations: Mar 5 Phoenix, AZ(B) May 21 Irvine, CA

Z/VM Foundation Skills [VMZ2] NEW!!! 4 Days \$2,575
Dates/Locations: Mar 6 Phoenix, AZ(B) May 22 Irvine, CA

Z/OS Unix System Services Part 1 Concepts & Facilities [USS1] 2 Days \$1,200
Dates/Locations: Mar 26 Phoenix, AZ(B) Jun 18 Irvine, CA

Z/OS UNIX System Services Part 2 Configuration & Implementation [USS2] 3 Days \$1,825
Dates/Locations: Mar 28 Phoenix, AZ(B) Jun 20 Irvine, CA

z/OS MVS JCL Workshop Part1–Foundation Skills [TM]
3 Days \$1,800
Dates/Locations: Mar 12 Phoenix, AZ(B) May 21 Irvine, CA

z/OS MVS JCL Workshop Part2–Advanced Functions & Utilities [TQ] 2 Days \$1,200
Dates/Locations: Mar 15 Phoenix, AZ(B) May 24 Irvine, CA

z/OS System Fundamentals–Part 1 [MSF1] 4 Days \$2,295
Dates/Locations: Jan 30 Phoenix, AZ(B) Apr 16 Irvine, CA

z/OS System Fundamentals–Part 2 [MSF2] 5 Days \$2,595
Dates/Locations: Feb 13 Phoenix, AZ(B) Apr 30 Irvine, CA

SMP/E for z/OS Workshop [ES261]^{IBM} 4.5 Days \$3,450
Dates/Locations: Apr 16 Atlanta, GA *Interest in Class*

Effective RACF Administration [BE870]^{IBM} 4.5 Days \$3,915
Dates/Locations: Jan 30 Elk Grove, CA *Interest in Class*

IMS

IMS.DC Performance Analysis & Tuning Workshop [DIPT]NEW!!! 4 Days \$2,700
Dates/Locations: Mar 26 Wayne, NJ May 14 Phoenix, AZ(B)

Application Developers

Using z/OS Assembler [AS] 5 Days \$2,700
Dates/Locations: Jan 23 Elk Grove, CA Apr 16 Wayne, NJ

XML Fundamentals[XMF] NEW!!!

3 Days \$1,995
Dates/Locations: Mar 20 Elk Grove, CA
Jun 19 Wayne, NJ

Network

IPv6 Implementation on z/OS[IPV6] NEW!!! 1 Day \$700
Dates/Locations: Mar 2 Wayne, NJ
Jun 1 Elk Grove, CA

Ask About Multiple Student & Multiple Class Discounts



TCP/IP Sockets Programming [TCSP] NEW!!! 4 Days \$2,150
Dates/Locations: Mar 26 Wayne, NJ Jun 4 Elk Grove, CA

Security

zSecure for RACF Administration[ZSRA] NEW!!!
2 Days \$1,300
Dates/Locations: Mar 19 Irvine, CA Jun 11 Wayne, NJ

zSecure CARLa Fundamentals[ZSCA]NEW!!! 3 Days \$2,100
Dates/Locations: Mar 21 Irvine, CA Jun 13 Wayne, NJ

WebSphere & Web Services

WebSphere Application Server V7.0 Administration [WAS7] NEW!!! 5 Days \$2,895
Dates/Locations: Mar 12 Irvine, CA Jun 25 Wayne, NJ

Ajax and Web 2.0 Development with WebSphere Application Server V7 [WD322]^{IBM} 5 Days \$3,125
Dates/Locations: Feb 19 Durham/Raleigh, NC *Interest in Class*

Developing Applications for IBM WebSphere Portal 7.0[WPL51]^{IBM} 5 Days \$3,500 *Interest in Class*
Dates/Locations: (Virtual) Jan 16
Jan 23 Blue Ash, OH *Guaranteed to Run*

Rational Software

Mastering IBM Rational ClearQuest Administration, V7.1 [RS633]^{IBM} 3 Days \$2,100 *Interest in Class*
Dates/Locations: Jan 23 Irvine, CA

IBM Rational DOORS Foundation, V9.3 [QN163]^{IBM}
1 Day \$700 *Interest in Class*
Dates/Locations: Apr 17 San Fran, CA May 21 Phoenix, AZ(B)

IBM Rational Quality Management Boot Camp [RTB05]^{IBM}
5 Days \$3,000 *Interest in Class*
Dates/Locations: Jun 18 Phoenix, AZ(B)

IBM Rational Change Boot Camp [QBC10]^{IBM} 3 Days \$2,100
Dates/Locations: Jan 17 Chicago, IL *Interest in Class*

Fundamentals of IBM Rational System Architect, V11.4 [QB133]^{IBM} 1 Day \$700
Dates/Locations: Feb 7 Washington, DC *Interest in Class*

IBM Rational Rhapsody Systems Boot Camp [QBC30]^{IBM}
5 Days \$3,000
Dates/Locations: Jan 23 Littleton, MA *Interest in Class*



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Cognos

IBM Cognos Framework Manager: Design Metadata Models

(V10.1) [B5152]^{IBM} 5 Days \$3,500 *Interest in Class*
 Dates/Locations: Jan 16 Houston, TX *Guaranteed to Run*
 Jan 30 Washington, DC Feb 6 Dallas, TX
 Feb 13 Houston, TX *Guaranteed to Run* Feb 13 Costa Mesa, CA
 Feb 20 Burlington, MA Mar 5 Beverly Hills, MI
 Mar 19 Houston, TX *Guaranteed to Run*
 Apr 23 Houston, TX *Guaranteed to Run*

IBM Cognos BI Administration (V10.1) [B5155]^{IBM}

3 Days \$2,100 *Interest in Class*
 Dates/Locations: Jan 11 Schaumburg, IL
 Jan 23 Houston, TX *Guaranteed to Run* Feb 13 NYC, NY
 Feb 20 Houston, TX *Guaranteed to Run*
 Mar 23 Houston, TX *Guaranteed to Run*
 Apr 30 Houston, TX *Guaranteed to Run*

IBM Cognos Report Studio: Author Professional Reports

(V10.1) [B5160]^{IBM} 5 Days \$3,500 *Interest in Class*
 Dates/Locations: Jan 9 Houston, TX *Guaranteed to Run*
 Jan 9 Atlanta, GA Jan 16 NYC, NY
 Feb 6 Houston, TX *Guaranteed to Run* Feb 13 Burlington, MA
 Feb 27 Atlanta, GA Mar 5 Dallas, TX
 Mar 12 Houston, TX *Guaranteed to Run*
 Apr 16 Houston, TX *Guaranteed to Run*

IBM Cognos Transformer: Design OLAP Models (V10.1)

[B5182]^{IBM} 4 Days \$2,800 *Interest in Class*
 Dates/Locations: Jan 24 Atlanta, GA
 Jan 30 Houston, TX *Guaranteed to Run* Jan 31 NYC, NY
 Feb 27 Houston, TX *Guaranteed to Run*
 Apr 2 Houston, TX *Guaranteed to Run*

Essentials for IBM Cognos BI [B5170]^{IBM} 5 Days \$4,995

Guaranteed to Run
 Dates/Locations: Mar 12 Denver, CO Jun 11 Denver, CO

IBM Cognos TM1: Essentials for IBM Cognos TM1 (V9.5)

[P6510]^{IBM} 5 Days \$4,900 *Interest in Class*
 Dates/Locations: Jan 16 Denver, CO *Guaranteed to Run*
 Feb 6 Atlanta, GA Apr 16 Denver, CO *Guaranteed to Run*

IBM Cognos TM1: Design and Develop Models (V9.5)

[P6502]^{IBM} 5 Days \$3,500 *Interest in Class*
 Dates/Locations: Jan 16 Costa Mesa, CA Mar 19 Atlanta, GA

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IBM Classes...

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...

Software Products

∞ C/TREK—Online CICS Problem Determination Tool

∞ C/PARSE—Is a CICS Web Support Program that acts as a listener for TCP/IP requests made from a client, using a HTTP protocol, to a Mainframe CICS region.

∞ C/FLOW—Generates CICS COBOL XML Parser Programs