

This comprehensive, year-round, on-demand, online mainframe training resource is the world's MOST delivered mainframe workforce training. Over 1 Million Mainframers Trained!

MAINFRAME COURSES

z/OS Curriculum

- z/OS Series
 - z/OS Concepts and Components
 - Initializing and Terminating the z/OS System
 - Monitoring the z/OS System
 - z/Architecture - Processing Workloads
 - z/Architecture - Memory, Address Spaces and Virtual Storage
 - Identifying z/OS System Problems
 - Resolving z/OS System Problems
 - z/OS – Advanced – Tips and Tricks
- z/OS Console Simulator Series
 - z/OS MVS Command Simulations
 - JES2 Command Simulations
 - VTAM Command Simulations
 - CICS Command Simulations
 - z/OS System Shutdown and IPL Simulations
- Installing and Managing z/OS Software Series
 - Introduction to SMP/E

zEnterprise Curriculum z/OS

- Introduction to the IBM Z Mainframes

z/OS Management Facility Curriculum z/OS

- z/OSMF - The IBM z/OS Management Facility

IBM Explorer for z/OS Curriculum z/OS

- IBM Explorer for z/OS

Job Control Language (JCL) Curriculum z/OS

- JCL (z/OS) – Introduction to z/OS JCL
- JCL (z/OS) – JCL Coding Basics – JOB and EXEC Statements
- JCL (z/OS) – JCL Coding Basics – DD Statements
- JCL (z/OS) – Advanced JCL Data Set Use
- JCL (z/OS) – Controlling Job and Step Processing
- JCL (z/OS) – Working with Procedures and Symbols
- JCL (z/OS) – Running and Debugging JCL
- JCL (z/OS) – Advanced – Tips and Tricks

JES Curriculum

- JES2 System Initialization and Shutdown
- Monitoring Batch Jobs with JES2
- Using JES2 in Scheduling Batch Jobs
- Identify and Resolve JES2 Batch Problems
- Identify and Resolve JES2 System Problems
- JES2 – Advanced – Tips and Tricks

Mainframe Application Performance Curriculum

- Introduction to Sampling Performance Tools

z/OS Connect

- z/OS Connect EE – IBM z/OS Connect Enterprise Edition v3

Blockchain Curriculum

- Blockchain Technologies

Zowe Curriculum

- Zowe Basics

DevOps and Agile Curriculum

- DevOps Fundamentals
- Introduction to Agile

Managed File Transfer Curriculum

- Managed File Transfer for Operations

TSO/ISPF for z/OS Curriculum z/OS

- Using Online System Facilities – TSO/ISPF
- Managing Data Files and Definitions with ISPF/PDF
- Maintaining Data in Files with the ISPF Editor
- TSO/ISPF – Advanced – Tips and Tricks

Cryptography Curriculum

- Cryptography

IBM Environment Introduction Curriculum z/OS

- Introduction to IBM Enterprise Environment
- z/OS Systems Programming Fundamentals
- IBM Development Environment

IBM Mainframe Communications Curriculum z/OS

- IBM Mainframe Communications Concepts
- VTAM Commands
- Mainframe TCP/IP Commands

IBM Z System Automation Curriculum

- SA z/OS - Introduction to IBM Z System Automation
- SA z/OS - IBM System Automation: Planning, Installation, and Customization
- SA z/OS - IBM System Automation: Operations
- SA z/OS - Automation Definitions Introduction and Workshop
- SA z/OS - Advanced Automation and Reporting

IBM Mainframe Performance and Capacity Management

- Z Performance - Introduction to Mainframe Performance
- Z Performance - z/OS I/O Performance and Capacity Planning
- Z Performance - z/OS Performance Tools and Software Pricing
- Z Performance - z/OS Workload Manager

SDSF Curriculum z/OS

- SDSF Concepts and Operation
- Using SDSF to Control Job Processing
- Using SDSF to Display, Manipulate and Print Job Output
- Using SDSF to Manage System Resources and Devices
- SDSF – Advanced – Tips and Tricks

Data Center Storage Management Curriculum z/OS

- Introduction to Storage and Disk Systems
- Understanding Tape Storage
- Networks, Administration, and DASD Management Using ICKDSF
- Managing z/OS Data Using DFSMS Constructs
- Storage and Tape Administration Using DFSMSHsm and DFSMSrmm

Data Analysis, Analytics, and Machine Learning Curriculum

- Big Data, Hadoop and Analytics
- Machine Learning and Spark

Virtualization Curriculum

- z/VM Concepts, System Initialization and Shutdown
- Monitoring and Controlling z/VM Operations
- Managing Guest Operating Systems
- Identifying and Resolving z/VM Problems
- Linux on z System Fundamentals

Coaching and Mentoring for Technical Specialists

- Coaching and Mentoring for Technical Specialists

IBM MQ Curriculum

- IBM MQ - Operations and Administration
- IBM MQ - Operations and Administration for z/OS
- IBM MQ - MQ for Application Programmers
- IBM MQ - Introduction to IBM MQ

Security Curriculum

- Introduction to Mainframe Security Series
 - Introduction to Mainframe Security
- CA ACF2™ Series R15
 - CA ACF2® - Introduction
 - CA ACF2® - Protecting System Access
 - CA ACF2® - Protecting Data Integrity
 - CA ACF2® - Protecting General Resources
 - CA ACF2® - Defining Environment Controls
 - CA ACF2® - Maintaining CA ACF2
 - CA ACF2® - For Auditors
- RACF Series
 - RACF Introduction
 - Defining and Managing Users to RACF
 - Managing RACF Groups and Administrative Authorities
 - RACF for System Programmers
 - Protecting Data Sets Using RACF
 - Protecting General Resources Using RACF
 - RACF and z/OS UNIX
 - Managing Digital Certificates
 - RACF for Auditors

CICS Transaction Server Curriculum

- CICS TS Operations Series
 - CICS TS – Introduction
 - CICS TS – Explorer Fundamentals
 - CICS TS – Controlling CICS Operations
- CICS TS Programming Series
 - Programming Basics
 - Program Control and Communication
 - Files and Databases
 - Storage and Transient Data
 - Programming for Web Access
 - Using CICS Transaction Gateway
 - CICS Terminal Communications
 - Using SDF II to Maintain CICS TS Maps
 - Programming for Recovery
 - Debugging CICS Programs
 - CICS Command Simulations

C Programming Curriculum

- C/C++ on z/OS for C Programmers

COBOL Programming Curriculum

- COBOL Programming – Basics
- COBOL Data and Datafile Definitions
- COBOL Programming – Manipulating Data
- COBOL Programming – Advanced
- COBOL IBM Enterprise COBOL 6.3 for z/OS
- Accessing IMS Database from COBOL

Assembler Programming Curriculum

- Assembler Introduction
- Assembler Instructions
- Assembler Macros
- Assembler Programming
- Assembler z/OS Advanced
- Assembler Cross Memory Services

Rational Developer for System z Curriculum

- Rational Developer for System z Basics
- Creating and Managing Applications Using RDz

IBM Enterprise PL/1 Programming Curriculum

- PL/1 Fundamentals and Data Representation
- PL/1 Program Design Techniques
- PL/1 Accessing Data in Files
- PL/1 Debugging and Advanced Coding

Database Curriculum (Db2 v12)

- Database Series
 - Db2 Fundamentals
 - Managing Db2 Operations
- Db2 – Database Management System Series
 - Introduction to RDBMSs and Db2
 - Manage Data Definitions with Db2
 - Db2 SQL Fundamentals
 - Advanced Db2 SQL
 - Create and Maintain DB2 Programs
 - Db2 Stored Procedures
 - Optimize Db2 Application Performance

IMS Curriculum

- IMS 15 Introduction
- IMS 15 Commands
- IMS 15 Databases
- IMS 15 Transaction Manager for Programmers

REXX Curriculum

- Introduction to the REXX Programming Language
- REXX Keyword Instructions
- REXX Built-In Functions
- REXX with z/OS and TSO/E

Java Programming Curriculum

- Java on z/OS for Java Programmers
- Java Introduction for the IBM Enterprise
- Java Programming for the IBM Enterprise
- Java Data Access for the IBM Enterprise

Linux Curriculum

- Introduction to Linux
- The Linux File System
- Editing with VI
- Linux Shell Programming
- Linux Operations
- Linux on IBM Z Fundamentals

z/OS UNIX System Services Curriculum

- z/OS UNIX System Services - Basics
- Interacting with the z/OS UNIX System
- Working with z/OS UNIX

Disaster Recovery Curriculum

- Ensuring Data Center Business Continuity

Utilities Curriculum z/OS

- z/OS Batch Utilities Series
 - Data Utilities
 - General Data Set Utilities
 - Utilities – Advanced – Tips and Tricks
- VSAM Series
 - Introduction to VSAM

Mainframe Related Curriculum

- CLISTS Introduction

IBM Z Workload Scheduler Curriculum

- Understanding How IBM Z Workload Scheduler Processes Work
- Monitoring and Managing the IBM Z Workload Scheduler Environment
- Scheduling with IBM Z Workload Scheduler
- Maintaining the Integrity of IBM Z Workload Scheduler

Broadcom (CA) Curriculum

- CA 1[®] Tape Management Series
 - CA 1 Tape Management - Using Tape Media
 - CA 1 Tape Management - Identifying & Resolving Media Problems
- CA 7[®] Workload Automation Series
 - Introduction to CA Workload Automation - CA 7[®] Edition
 - Scheduling Batch Processing
 - Monitoring and Managing the Batch Processing Environment
 - System Programmer Interaction with CA 7
 - Backup, Recovery, and Problem Resolution
- CA 11[®] Workload Automation Restart and Tracking Series
 - CA Workload Automation Restart Option for z/OS Schedulers Overview
 - Managing CA Workload Automation Restart Option for z/OS Schedulers
- CA OPS/MVS[®] Event Management and Automation Series
 - CA OPS/MVS - Overview, Components & Features
 - CA OPS/MVS - Rules and OPS/REXX
 - CA OPS/MVS - Automat. Events Using Relational Data Framework
 - CA OPS/MVS - Automating Events Using System State Manager
 - CA OPS/MVS - Schedule & Group Managers for Event Management
- CA Endeavor[™] Software Change Manager Series
 - CA Endeavor[™] Software Change Manager Intro and Basic Usage
 - CA Endeavor[™] Software Change Manager Package Processing and Facilities

Parallel Sysplex Curriculum

- Parallel Sysplex - Fundamentals

Cloud Computing Curriculum

- Cloud Computing for Data Centers

BMC Curriculum

- Control-M Series
 - Introduction to CONTROL-M for z/OS
 - Defining and Scheduling Jobs Using Control-M
 - Monitoring and Managing Job Processing
- MainView Series
 - Overview of the MainView Environment
 - Advanced MainView Screen Functionality

IBM Power Series – AIX Curriculum

- AIX Fundamentals
- AIX Fundamentals for UNIX System Administrators
- AIX Virtualization, VIO Server and Management

IBM Power Series – IBM i Curriculum

- IBM i Fundamentals Series
 - IBM i Fundamentals
 - Introduction to IBM i for System Operators
 - Monitoring and Managing IBM I Workloads
- IBM i System Administration Series
 - IBM i System Administration Fundamentals
 - Security Implementation
 - Journal Management
 - Storage Management
 - Logical Partitioning and Virtualization
- IBM i Programming Fundamentals Series
 - CLP Programming
 - CLP Programming Functions and Messaging
- IBM i RPG/400 Series
 - RPG/400 Introduction
 - RPG/400 Coding
 - RPG/400 Programming
 - RPG/400 Workstation Programming
 - RPG/400 Advanced Workstation Programming
- IBM i Query Series
 - Database Basics and the Need for Query
 - Creating a Simple Query
 - Advanced Query Features and Management
- IBM i Application Programming Introduction Series
 - DB2 for IBM i – Introduction for Programmers

IBM Certified SOA Associate Curriculum

- Service Oriented Architecture

z/VSE Curriculum

- z/VSE Basics
- z/VSE for Operators
- z/VSE Machine Learning Introduction

MAINFRAME SKILLS ASSESSMENTS

Accurately and objectively evaluate the strengths and weaknesses of your mainframe workforce. Fill skill gaps! Target training!

□ CICS Assessments

- CICS Concepts and Operation

□ COBOL Assessments

- COBOL Basics
- COBOL Advanced

□ JCL Assessments

- JCL Concepts
- JCL Problem Resolution
- JCL Coding

□ JES2 Assessments

- JES2 Concepts and Operation
- JES2 Problem Resolution

□ PL/I Assessments

- PL/I Basics
- PL/I Advanced

□ TSO/ISPF Assessments

- TSO/ISPF Concepts
- TSO/ISPF Operation

□ z/OS Assessments

- z/OS Concepts
- z/OS System Operations
- z/OS Problem Diagnosis and Resolution

□ Mainframe Network Communications Assessments

- Mainframe Network Communications

TRAINING SANDBOX EXERCISES (LABS)

Advanced Mainframe Training via guided, hands-on Mainframe Labs on your Mainframe system. Taking mainframe skills to the NEXT LEVEL!

- JCL (z/OS)
- TSO/ISPF
- JES2
- SDSF
- z/OS Operator
- COBOL Programming
- z/OS UNIX
- z/OS Systems Programmer Basics
- IMS*
- Database (Db2) (SQL)*
- CICS*
- Intro to Mainframe Networks*
- Introduction to z/OS Security*

* Released throughout Q4 2020 or Q1 2021

COACHING & MENTORING TOOLBOX

Train senior mainframers to be superior coaches & mentors then arm them with a tool to simply develop customized in-house mainframe classes/webinars. Utilize Enhanced Pathways to team e-learning courses, Labs & coaching/mentoring into a customized mainframe training powerhouse!

COACHING AND MENTORING COURSE CURRICULUM

- Coaching and Mentoring for Technical Specialists

MAINFRAME CLASS/WEBINAR DEVELOPER

- Job Control Language - JCL
- z/OS Pathway
- Introduction to the IBM Environment
- z/OS Application Development
- z/OS Systems Programming
- COBOL Programming
- IMS Pathway
- Database (DB2)
- CICS Pathway
- Introduction to z/OS Security

ENHANCED LEARNING PATHWAYS

COMING IN 2021

COURSE UPDATES & EXPANSIONS

- Cloud Computing
- IDZ
- WebSphere
- REXX
- Db2 v12
- CICS TS Operations 5.5

NEW COURSES

- Advanced VSAM (RLS & TVS)
- z/VSE Curriculum – 8 new courses