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
  - Identity 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
  - IBM z/OS Connect Enterprise Edition

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

FULL COURSE OUTLINES ARE AVAILABLE AT HTTPS://WWW.INTERSKILL.COM

Data Analysis, Analytics, and Machine Learning Curriculum
- o Big Data, Hadoop and Analytics
- o Machine Learning and Spark

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

Coaching and Mentoring for Technical Specialists
- o Coaching and Mentoring for Technical Specialists

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

Security Curriculum
- ☐ Introduction to Mainframe Security Series
  - o Introduction to Mainframe Security
- ☐ CA ACF2™ Series R15
  - o CA ACF2® - Introduction
  - o CA ACF2® - Protecting System Access
  - o CA ACF2® - Protecting Data Integrity
  - o CA ACF2® - Protecting General Resources
  - o CA ACF2® - Defining Environment Controls
  - o CA ACF2® - Maintaining CA ACF2
  - o CA ACF2® - For Auditors

- ☐ RACF Series
  - o RACF Introduction
  - o Defining and Managing Users to RACF
  - o Managing RACF Groups and Administrative Authorities
  - o RACF for System Programmers
  - o Protecting Data Sets Using RACF
  - o Protecting General Resources Using RACF
  - o RACF and z/OS UNIX
  - o Managing Digital Certificates
  - o RACF for Auditors

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

C Programming Curriculum
- o C/C++ on z/OS for C Programmers

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

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

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

IBM Enterprise PL/1 Programming Curriculum
- o PL/1 Fundamentals and Data Representation
- o PL/1 Program Design Techniques
- o PL/1 Accessing Data in Files
- o PL/1 Debugging and Advanced Coding

Database Curriculum (Db2 v12)
- ☐ Database Series
  - o Db2 Fundamentals
  - o Managing Db2 Operations
- ☐ Db2 – Database Management System Series
  - o Introduction to RDBMSs and Db2
  - o Manage Data Definitions with Db2
  - o Db2 SQL Fundamentals
  - o Advanced Db2 SQL
  - o Create and Maintain DB2 Programs
  - o Db2 Stored Procedures
  - o Optimize Db2 Application Performance

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

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

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

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

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

Disaster Recovery Curriculum
- o Ensuring Data Center Business Continuity

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

Mainframe Related Curriculum
- o CLISTS Introduction

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

Broadcom (CA) Curriculum
- ☐ CA 1® Tape Management Series
  - o CA 1 Tape Management - Using Tape Media
  - o CA 1 Tape Management - Identifying & Resolving Media Problems

- ☐ CA 7® Workload Automation Series
  - o Introduction to CA Workload Automation - CA 7® Edition
  - o Scheduling Batch Processing
  - o Monitoring and Managing the Batch Processing Environment
  - o System Programmer Interaction with CA 7
  - o Backup, Recovery, and Problem Resolution
- ☐ CA 11® Workload Automation Restart and Tracking Series
  - o CA Workload Automation Restart Option for z/OS Schedulers Overview
  - o Managing CA Workload Automation Restart Option for z/OS Schedulers

- ☐ CA OPS/MVS® Event Management and Automation Series
  - o CA OPS/MVS - Overview, Components & Features
  - o CA OPS/MVS - Rules and OPS/REXX
  - o CA OPS/MVS - Automat. Events Using Relational Data Framework
  - o CA OPS/MVS - Automating Events Using System State Manager
  - o CA OPS/MVS - Schedule & Group Managers for Event Management

- ☐ CA Endevor™ Software Change Manager Series
  - o CA Endevor™ Software Change Manager Intro and Basic Usage
  - o CA Endevor™ Software Change Manager Package Processing and Facilities

Cloud Computing Curriculum
- o Cloud Computing for Data Centers

BMC Curriculum
- ☐ Control-M Series
  - o Introduction to CONTROL-M for z/OS
  - o Defining and Scheduling Jobs Using Control-M
  - o Monitoring and Managing Job Processing

- ☐ MainView Series
  - o Overview of the MainView Environment
  - o Advanced MainView Screen Functionality

IBM Power Series – AIX Curriculum
- o AIX Fundamentals
- o AIX Fundamentals for UNIX System Administrators
- o AIX Virtualization, VIO Server and Management

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

IBM Certified SOA Associate Curriculum
- o Service Oriented Architecture

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

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MAINFRAME SKILLS ASSESSMENTS

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

☐ **CICS Assessments**
- o CICS Concepts and Operation

☐ **COBOL Assessments**
- o COBOL Basics
- o COBOL Advanced

☐ **JCL Assessments**
- o JCL Concepts
- o JCL Problem Resolution
- o JCL Coding

☐ **JES2 Assessments**
- o JES2 Concepts and Operation
- o JES2 Problem Resolution

☐ **PL/I Assessments**
- o PL/I Basics
- o PL/I Advanced

☐ **TSO/ISPF Assessments**
- o TSO/ISPF Concepts
- o TSO/ISPF Operation

☐ **z/OS Assessments**
- o z/OS Concepts
- o z/OS System Operations
- o z/OS Problem Diagnosis and Resolution

☐ **Mainframe Network Communications Assessments**
- o 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!

- o JCL (z/OS)
- o TSO/ISPF
- o JES2
- o SDSF
- o z/OS Operator
- o COBOL Programming
- o z/OS UNIX
- o z/OS Systems Programmer Basics
- o IMS*
- o Database (Db2) (SQL)*
- o CICS*
- o Intro to Mainframe Networks*
- o 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
- o Coaching and Mentoring for Technical Specialists

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

ENHANCED LEARNING PATHWAYS

COMING IN 2021

COURSE UPDATES & EXPANSIONS
- o z/OS v2.4
- o JCL v2.4
- o TSO/ISPF v2.4
- o SDSF v2.4
- o JES2 v2.4
- o VSAM 2.4
- o Cloud Computing
- o z/OS 2.4 Migration Briefings
- o IDZ
- o WebSphere
- o REXX
- o Db2 v12
- o Parallel Sysplex
- o CICS TS Operations 5.5

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