

## **z/OS Systems Overview**

### **Course Summary**

#### **Description**

This course examines the changes and enhancements introduced with the z-architecture, the z/900 processor, and the z/OS operating system.

#### **Topics**

- z/900 architectural enhancements
- 64-bit addressing
- Workload licensing
- Intelligent Resource Director (IRD)
- msys for setup
- Network connected console support
- z/OS Server Features
- z/OS migration paths

#### **Audience**

This course is designed for systems programmers, technical managers and anyone who wants a better understanding of the new z-architecture and its ramifications.

#### **Prerequisites**

Students attending this course should have taken an OS/390 Structure and Logic course or have equivalent knowledge.

#### **Duration**

Two days

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### **Course Outline**

- I. z/900 Architectural Enhancements**
  - A. Processor architecture and design
  - B. System managed coupling facility duplexing
- II. 64-bit Addressing**
  - A. Using 64-bit virtual storage addressing
  - B. New instructions
  - C. Elimination of expanded storage
- III. Workload Licensing**
  - A. Variable licensing options
  - B. Exception processes
  - C. Reporting requirements
- IV. Intelligent Resource Director (IRD)**
  - A. LPAR CPU management
  - B. LPAR Dynamic Channel Path Management
  - C. LPAR Channel Subsystem Priority Queuing
- V. Msys for Setup**
  - A. Configuring z/OS environment
- VI. Network Connected Console Support**
  - A. SNA MCS Console support
- VII. z/OS Server Features**
  - A. Hipersockets
  - B. SecureWay Security Server enhancements (LDAP)
  - C. Distributed File System (DFS)  
zSeries File System (zFS)