

## Db2 for z/OS Installation and Migration

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### Course Summary

#### Description

During this hands-on workshop the attendee will install their own Db2 subsystem, migrate their subsystem to a new release and implement additional Db2 functions. Additionally, detailed attention is given to Db2 in a data sharing environment, what facilities are supplied to manage the Db2 environment and how Db2 relates to the z/OS environment.

#### Objective

Upon successful completion of this course, the student will gain a working knowledge of:

- Db2 Installation and Migration Planning
- Db2 Installation Process
- Migration planning and procedures
- Additional Function Implementation
- Db2 Data Sharing
- Systems Administration Role and Responsibilities

#### Topics

- Introduction
- Db2 Installation
- Db2 Migration
- Installing or Enabling Additional Functions
- Installing, Migrating and Enabling Data Sharing
- Security Administration Overview

#### Audience

Db2 Systems Programmers, Db2 Systems Administrators and Systems Database Administrators who will be installing and migrating Db2 for z/OS.

#### Prerequisite

A working knowledge of Db2 for z/OS, z/OS JCL, TSO/ISPF & z/OS Utilities and SMP/E Fundamentals.

#### Duration

Three days

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### Course Outline

- I. **Introduction**
  - A. Db2 Installation and Migration Overview
  - B. Preparation Steps
  - C. Hardware and Software requirements
  - D. Personnel
  - E. Critical Subsystem Structures
  - F. Critical Subsystem Resources
  - G. System Administration Basics
- II. **Db2 Installation**
  - A. Db2 Installation Steps
  - B. Running the Installation CLISTs
  - C. Running the Installation Jobs
  - D. Prepare Db2 for use
  - E. Installation Verification
- III. **Db2 Migration**
  - A. Migration Planning
  - B. Pre-migration procedures
  - C. Running the Migration CLISTs
  - D. Running the Migration Jobs
  - E. Migration Verification
  - F. Post-migration New Features Implementation
- IV. **Installing or Enabling Additional Functions**
  - A. Installing Db2 supplied Stored Procedures and Functions
  - B. Connecting local Attachments
  - C. Connecting Distributed Database Applications
  - D. Connecting systems with TCP/IP
  - E. IBM Data Server Driver for JDBC and SQLJ
- V. **Installing, Migrating and Enabling Data Sharing**
  - A. Planning for Data Sharing
  - B. Sysplex Requirements
  - C. Installing a new Data Sharing Group
  - D. Enabling Db2 Data Sharing
  - E. Adding New Members
  - F. Migrating a Data Sharing Group
  - G. Mixed Release Considerations
- VI. **Security Administration Overview**
  - A. Db2 Security Overview
  - B. Access Control Options
  - C. Recommendations
  - D. Security Control Install Parameters