

DB3095 – DB2 9 for z/OS Transition for DBAs

Course Synopsis

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| Duration: | Three (3) days. |
| Audience: | This course is intended for Database Administrators, DB2 System Programmers and Application Architects that are preparing to implement and support DB2 9 for z/OS. |
| Prerequisites: | Significant experience administering or supporting applications that use a previous release of DB2 for z/OS. |
| Delivery Method: | Instructor led, Hands-on workshops |

Brief Description

This course will help organizations prepare their applications for the differences associated with migrating DB2 for z/OS to Version 9. It also introduces the attendee to the new administration features of DB2 9 for z/OS. Topics are reinforced with appropriate hands-on workshops.

Note: This course is a combination of DB3090 and DB3091

Course Objectives What You'll Learn

Upon successful completion of this course, the student will be able to:

- Understand the phased approach of the migration
- Be able to determine how applications will react to each phase
- Be equipped to develop a successful migration and test plan
- Understand the new administration features of DB2 9
- Be ready to implement and support these features in applications

Topics Covered

I. Overview of DB2 9

- Physical Design Enhancements
- New Datatypes
- SQL Enhancements
- Pure XML Support
- Migration Phases
- Obsolete Features
- Migration Pre-requisites

II. Optimizer Enhancements

- IBM Data Studio
- "What If" Optimization
- Sort Avoidance
- Clusterratio Changes
- Global Query Optimization
- Plan Stability

III. Infrastructure Changes

- No Simple Tablespaces
- Implicit Object Changes
- Re-ordered Row Format
- Virtual Storage Changes
- Index Page Split Behavior
- TempSpace Consolidation
- Catalog Changes in Each Mode

IV. Schema Enhancements

- Universal Tablespaces
- Implicit Object Support
- Row Changed Timestamp
- Optimistic Locking
- Online Schema Evolution
- Clone Tables (online load replace)

DB3095 – DB2 9 for z/OS Transition for DBAs**Topics
Covered Continued****IV. Schema Enhancements (Continued)**

- Not Logged Tablespace
- Append Option
- Implicitly Hidden Columns
- New Datatypes

V. Index Enhancements

- Larger Page Sizes
- Index Compression
- Index on Expression
- More Index Lookaside
- Index Support for XML

VI. Utility Enhancements

- Histogram Statistics
- Online REBUILD
- BUILD2 Phase Elimination
- Modify Retain
- Template Switching
- Realtime Statistics & Utilities
- Performance Improvements

VII. Security, Instrumentation & Logistics

- SMS Integration
- Roles & Trusted Contexts
- Encryption
- Instrumentation Enhancements
- Command Enhancements
- DB2 Admin Client

VIII. SQL Enhancements

- MERGE Statement
- SELECT FROM UPDATE/MERGE/DELETE
- INTERSECT & EXCEPT
- New Built-in Functions
- New Datatypes
- Row Change Timestamp
- Optimistic Locking
- “Instead Of” Triggers