

DB2 12 FOR Z/OS BASIC DATABASE ADMINISTRATION

Course Code: 100301

Explore the beginning z/OS DBAs (Database Administrators) to fundamentals of Database Administration for a Db2 12 for z/OS.

This course will expose the beginning z/OS DBAs (Database Administrators) to fundamentals of Database Administration for a Db2 12 for z/OS. This course will teach the students how to physically implement a logical database design using DDL, and teaches considerations of referentially related tables. This course discusses the use of basic utilities, program preparation, serialization, and basic database security. This course does not cover distributed data processing, nor does it cover data sharing.

What You'll Learn

Learn how to physically implement a logical database design using DDL, and teaches considerations of referentially related tables.

Who Needs to Attend

Students who will be performing the role of Db2 for z/OS database administrators who need to acquire the basic skills required to administer a Db2 database.

Prerequisites

Familiarity with the z/OS operating system, including TSO, ISPF, and SDSF
Familiarity with SQL data manipulation statements (SELECT, INSERT, UPDATE, and DELETE) to access and change the contents of Db2 tables

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CLASSROOM LIVE

\$2,850 USD

3 Day

Classroom Live Outline

Unit 1 - Db2 Relational database concepts

- Relational Database design
- Data access
- Interacting with Db2
- Catalog and directory

Unit 2 - SQL and SPUFI

- SQL SELECT statement review
- SQL INSERT, UPDATE, DELETE review
- SQL COMMIT and ROLLBACK review
- Joining tables
- Executing SQL using SPUFI

Unit 3 - Db2 objects (Storage groups, databases, and table spaces)

- Object concepts
- Storage Groups
- Databases
- Table Spaces

Unit 4 - Db2 Objects (Tables, indexes, and views)

- Tables
- Aliase
- Table constraints
- Primary key
- Foreign key
- Check
- Referential integrity
- Indexes
- Views
- Qualified names
- Implicit object creation

Unit 5 – Utilities

- Utility Categories
- Load Utility
- Check Data Utility
- Unload Utility
- Runstats Utility
- Reorg Utility

Unit 6 - Commands and program preparation

- Db2 Command Structure
- Display Command
- Archiving Logs
- Stop and Start Commands
- Executing Commands
- Program Preparation

Unit 7 - The Db2 system

- System Parameters (zParms)
- Address Spaces
- System Database
- Buffer Pools
- Logging
- Integrity
- Security

Unit 8 - Db2 Shutdown, startup, and recovery

- Start and Stop Commands
- Db2 Shutdown Process
- Db2 Startup Phases
- System Recovery
- Object Recovery
- Copy Utility
- Recover Utility
- Appendix A - Demonstration solutions

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VIRTUAL CLASSROOM LIVE

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Virtual Classroom Live Outline

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- Data access
- Interacting with Db2
- Catalog and directory

Unit 2 - SQL and SPUFI

- SQL SELECT statement review
- SQL INSERT, UPDATE, DELETE review
- SQL COMMIT and ROLLBACK review
- Joining tables
- Executing SQL using SPUFI

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PRIVATE GROUP TRAINING

3 Day

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