Db2 12 for z/OS Basic Database Administration

Duration: 3 Days Course Code: CV844G

Overview:

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.

Target Audience:

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.

Objectives:

- In this course, you have the following course objectives:
- **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
- 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 Databases
- Buffer Pools
- Logging
- Integrity

- Aliases
- Table constraints
- Primary key
- Foreign key
- Check
- Referential integrity
- Indexes
- Views
- Qualified names
- Implicit object creation
- **Unit 5 - Utilities**
- 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**

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

Testing and Certification

None

Follow-on-Courses:

None

Content:

Please refer to the course objectives.

Further Information:

For More information, or to book your course, please call us on 00 971 4 446 4987

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