
DB2 11 for z/OS Database Administration Workshop Part 2

Duration: 3 Days Course Code: CV843G

Overview:

This course teaches database administrators various features they must be familiar with as DB2 11 for z/OS Database Administrators. These include program preparation, online schema changes, user defined functions, archive-enabled and temporal tables, partition management, stored procedures, and triggers. The course includes many hands-on demonstrations which give the students experience with the included topics. Additionally, there is information on other features in the course appendices, including schemas and user defined data types, clone tables, materialized query tables, large objects, global variables, and row permissions and column masks. This course is a follow-on course to CV832 – IBM DB2 11 for z/OS Database Administration Workshop Part 1. Note: This course is 3 days in length. If the instructor has time, he can cover the optional appendices as desired.

Target Audience:

Database Administrators and System Programmers who would like to get further insight into database administration tasks.

Objectives:

- Introduce program preparation and the use of packages
 - Discuss immediate and pending online schema changes
 - Utilize UDFs
 - Utilize archive enabled tables
 - Utilize temporal tables
 - Manage partitions
 - Utilize Stored Procedures
 - Work with Triggers
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Prerequisites:

DB2 11 for z/OS Database Administration Part 1 (CV832) or equivalent experience or knowledge.

Content:

Go through the program preparation steps and execute programs in the DB2 environment using the TSO Attachment Facility	Migrate existing classic table space types to UTS	Add partitions
Resolve some of the most commonly occurring problems, for example SQL error -805	Change table space characteristics such as DSSIZE, page size, and SEGSIZE	Rotate partitions
Understand the importance of collections and packages	Take care of the implications of applying those pending online schema changes	8. Partition management part 2
Understand how to access different tables and views at execution time without changing the program	4: UDFs	Modify limit keys
2: Online schema changes part 1	Differentiate between external scalar functions, external table functions, SQL scalar functions, and sourced functions	Rebalance partitions
Discuss immediate, online schema changes	Determine which user-defined function will be invoked given the invocation statement	9. Stored procedures part 1
Change data types and lengths of columns	Create a user-defined function	Explain what a stored procedure is
Rename indexes	■ 5: Archive-enabled tables	Describe how to implement and maintain stored procedures
Add columns to indexes	Describe transparent archiving	Discuss types of stored procedures
Relate implications of renaming a column in a table or renaming an index	Understand archive-enabled and archive tables	Define external stored procedures
Describe versioning	6: Temporal tables	Examine DB2 commands affecting stored procedures
3: Online schema changes part 2	Understand the need for temporal tables	10. Stored procedures part 2
Explore pending schema changes	Utilize System Time temporal tables	Examine native SQL stored procedures
Materialize pending schema changes	Utilize Business Time temporal tables	Explain native SQL procedure versioning and deployment
Drop a column	Utilize Bitemporal tables	
	7: Partition management part 1	

Further Information:

For More information, or to book your course, please call us on 353-1-814 8200

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