

Course description: DB2 9 for z/OS Database Administration Part 2

Course code CV84GB **Delivery type** Classroom
(Hands-on labs)

Duration 5.0 days **Course type** Public or Private on-site

This course is a continuation of course CV830 and is designed to teach you how to perform additional database administration tasks. CV840 also covers several of the topics introduced in CV830 in much more depth.

Audience

This course is for DB2 for z/OS database administrators who have the basic skills required to administer a DB2 database and want to extend their skills.

Pre-requisites

Students should have attended course *DB2 9 for z/OS Database Administration Workshop Part 1 (CV830)*, or have attained a similar level of experience.

Objective

- Execute program preparation steps including resolving common problems, defining collections and packages, and versioning of packages
- Alter table characteristics such as data types of columns and identify the impact of making such changes
- Alter indexes to add columns or to change the varying length or clustering characteristics of the index, and identify the impact of making such changes
- React to the Advisory Reorg Database Exception Table state
- Make appropriate decisions to successfully handle table space versions
- Use parallel index build with the LOAD, REORG and REBUILD INDEX utilities
- Load partitions in parallel
- Determine the appropriate LOAD options to use while considering concurrency and performance requirements
- Choose appropriate options with REORG and UNLOAD to achieve optimal performance and availability
- Given the usage of the data, determine an appropriate option for dealing with the need for adding partitions or rebalancing data partitions

- Provide appropriate LISTDEF, TEMPLATE, and OPTIONS utility control statements for use in DB2 utilities
- Determine the applicability and implement user-defined distinct types, user-defined functions, stored procedures, triggers, and large objects

Key topics

- Program preparation and use of packages
- Online schema changes
- Utility performance and availability features
- Partition management
- Generic utility jobs
- User-defined distinct types, user-defined functions and stored procedures
- Triggers
- Large objects
- Performance-related topics

The course includes extensive machine exercises.

Remarks

Whilst CV84GB is fully up-to-date with DB2 9 for z/OS, it is also suitable for delegates who may be working with earlier releases.