

**2L464G: Db2 11.1 Advanced Database Administration**

Course Code: 2L464G

Duration: 2 days

Instructor-led Training (ILT) | Virtual Instructor-led Training (VILT)

**OVERVIEW**

This course is designed to teach you how to:

- Perform advanced monitoring using the Db2 administrative views and routines in SQL queries.
- Manage the disk space assigned in Database Managed Storage (DMS) and Automatic Storage table spaces, including the activities of the rebalancer.
- Use SQL queries and Db2 commands to check the high water mark on table spaces and to monitor the rebalance operation.
- Utilize the REBUILD option of RESTORE, which can build a database copy with a subset of the tablespaces using database or tablespace backup images.
- Plan and execute the TRANSPORT option of RESTORE to copy schemas of objects between two Db2 databases.
- Create incremental database or tablespace level backups to reduce backup processing and backup image storage requirements.
- Implement automatic storage management for table spaces and storage groups or enable automatic resize options for DMS managed table spaces to reduce administration requirements and complexity.
- Describe the various types of database memory including buffer pools, sort memory, lock memory and utility processing memory.

- Adjust database or Db2 instance configuration options to improve application performance or processing efficiency.
- Implement Db2 Self Tuning Memory management for specific database memory areas.

If you are enrolling in a Self Paced Virtual Classroom or Web Based Training course, before you enroll, please review the Self-Paced Virtual Classes and Web-Based Training Classes on our Terms and Conditions page, as well as the system requirements, to ensure that your system meets the minimum requirements for this course.

**SKILLS COVERED**

Please refer to course overview.

**WHO SHOULD ATTEND?**

This is an advanced course for DBAs and technical individuals who plan, implement, and maintain Db2 11.1 databases.

**PREREQUISITES**

- Perform basic database administration tasks for a Db2 database server, including using Db2 commands like BACKUP and RESTORE
- Utilize Structured Query Language (SQL) and be able to construct DDL, DML, and authorization statements
- These skills can be developed by taking:
  - CL207 Db2 11.1 Administration Workshop for Linux

**COURSE OUTLINE**

- Advanced Monitoring
- Db2 Table Space Management
- Db2 Database Memory Management
- Database rebuild support
- Db2 database and tablespace relocation
- Db2 Incremental Backup

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