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DB2 LUW Performance Tuning and Monitoring for Single or Multiple Partition DBs  
Information

**Length:** 40.0 Hours  
**Ref:** CL443G □  
**Delivery method:** Classroom  
**Price:** EUR

Overview

Learn how to tune for optimum performance the IBM DB2 10 for Linux, UNIX, and Windows relational database management system and associated applications written for this environment. Learn about DB2 10 for Linux, UNIX, and Windows in support of single partition and multiple partition database environments. Explore performance issues affecting the design of the database and applications using the database, the major database performance parameters, and the different tools that assist in performance monitoring and tuning. Use tools in class that are common across the Linux, UNIX, and Windows operating systems environments. During exercises running on DB2 10.1, develop your ability to use monitoring tools, Explain tools and DB2 utilities like RUNSTATS, REORG and db2batch to tune a database running on your local LINUX workstation using single and multiple partition DB2 databases.

The course materials cover DB2 10.1 for Linux, UNIX, and Windows.

Public

This is an advanced course for database designers, database administrators, and application developers working with DB2 10 for Linux, UNIX, and Windows who are concerned about performance in both single and multiple partition databases.

Prerequisites

You should complete:

- *DB2 9 for LUW Multiple Partition DBA Workshop (CL240)* **or**
- *DB2 9 for LUW Multiple Partition Environment for Single Partition DBAs (CL250)*

Objective

Prior to enrolling, IBM Employees must follow their Division/Department processes to obtain approval to attend this public training class. Failure to follow Division/Department approval processes may result in the IBM Employee being personally responsible for the class charges.

GBS practitioners that use the EViTA system for requesting external training should use that same process

for this course. Go to the EViTA site to start this  
process:<http://w3.ibm.com/services/gbs/evita/BCSVTEnrl.nsf>

Once you enroll in a GTP class, you will receive a confirmation letter that should show:

- The current GTP list price
- The 20% discounted price available to IBMers. This is the price you will be invoiced for the class.

## Topics

- Database Monitoring
- Database I/O Management
- Table space and Table Design for Performance
- DB2 Memory Management
- Automated Memory Management
- Application Performance Considerations
- Using Explain Tools
- The DB2 Optimizer
- Using Indexes for Performance
- Complex SQL Performance
- Tools and Utilities for Performance
- Event Monitor
- Partitioned Databases Performance Tuning Considerations
- Row Relocation Strategies and FCM Performance Considerations