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DB2 10 for LUW: Basic Administration for Linux and Windows  
Information

**Length:** 32.0 Hours  
**Ref:** CL2X3G □  
**Delivery method:** Classroom  
**Price:** AUD

Overview

This course teaches you to perform basic database administrative tasks using DB2 10.1 for Linux, UNIX, and Windows. These tasks include creating and populating databases and implementing a logical design to support recovery requirements. The access strategies selected by the DB2 Optimizer will be examined using the DB2 Explain tools. Various diagnostic methods will be presented including using the db2diag.log file messages to direct your investigation of problems as well as using the db2pd commands.

Public

This intermediate course is for system administrators, database administrators, and technical personnel involved in planning, implementing, and maintaining DB2 databases.

Prerequisites

You should be able to:

- Use basic OS functions such as utilities, file permissions, hierarchical file system, commands, and editor
- State the functions of the Structured Query Language (SQL) **and** be able to construct DDL, DML, **and** authorization statements
- Discuss basic relational database concepts and objects such as tables, indexes, views, and join

These skills can be developed by taking:

- OS Training:
  - AIX 5L Basics
  - Linux Basics and Administration
  - Windows Systems Administration
  - **Or** by having equivalent HP-UX or Solaris administration experience
- DB2 SQL Workshop
- DB2 Fundamentals

## 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

- Overview of DB2 on Linux, UNIX and Windows
- Command Line Processor (CLP) and GUI usage
- The DB2 environment
- Creating databases and data placement
- Creating database objects
- Moving data
- Backup and recovery
- Database Maintenance, Monitoring, and Problem Determination
- Locking and concurrency
- Security

## Agenda

### Day 1

- Welcome
- Unit 1: Overview of DB2 on Linux, UNIX and Windows
- Unit 2: Command Line Processor (CLP) and GUI usage
- Unit 3: The DB2 Database Manager Instance
  - Exercise 1: Create a New DB2 Instance
- Unit 4: Creating databases and data placement
  - Exercise 2: Creating databases and data placement

### Day 2

- Unit 5: Creating database objects
  - Exercise 3: Create objects
- Unit 6: Moving data
  - Exercise 4: Moving data

### **Day 3**

- Unit 7: Backup and recovery
  - Exercise 5: Backup and recovery
- Unit 8: Database Maintenance, Monitoring, and Problem Determination
  - Exercise 6: Using DB2 Tools for Performance

### **Day 4**

- Unit 7: Locking and concurrency
  - Exercise 7: Investigating DB2 Locking
- Unit 8: Security
  - Exercise 8: Database Security