Enterprise Computing Solutions - Education Services

TRAINING OFFERING

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DB2 10 Administration Workshop for Linux and Windows

CODE:	DURÉE:	PRIX H.T.:
1L2X3G	32 Hours	€380.00

Description

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.
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.
http://www.ibm.com/training/terms

Objectifs

- Administer a DB2 database system using commands and GUI tools
- Compare DMS, SMS and Automatic storage management for table space storage
- Implement a given logical database design using DB2 to support integrity and concurrency requirements
- List and describe the components of DB2
- Define a DB2 recovery strategy and perform the tasks necessary to support the strategy
- Use autonomic features of DB2
- Examine Explain output to determine access strategy chosen by Optimizer
- Investigate current application activity that might indicate performance problems using SQL statements
- Implement DB2 security

Audience

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

Prérequis

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** joins

These skills can be developed by taking:

- OS Training:
  - AIX 5L Basics
  - Linux Basics and Administration
  - Windows Systems Administration

- DB2 SQL Workshop
- DB2 Fundamentals

Or by having equivalent HP-UX **or** Solaris administration experience

Programme

- 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

- 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
- Unit 5: Creating database objects
  - Exercise 3: Create objects
- Unit 6: Moving data
  - Exercise 4: Moving data
- 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
- Unit 7: Locking and concurrency
  - Exercise 7: Investigating DB2 Locking
- Unit 8: Security
  - Exercise 8: Database Security

Dates de session

Sur demande. Merci de nous contacter

Informations Complémentaires

Cette formation est également disponible sous forme de formation sur site. Veuillez nous contacter pour en savoir plus.