

# Db2 12 for z/OS Introduction to System Administration (CV853G)

ID CV853G Prix CHF 2 400,- (Hors Taxe) Durée 3 jours

## A qui s'adresse cette formation

This course is intended for z/OS system administrators, database administrators, or other technical individuals who will be managing Db2 12 for z/OS.

## Pré-requis

- Understanding of the objects (such as databases, table spaces, tables, indexes, and so forth) used in a Db2 subsystem
- Basic knowledge of SQL
- At least one year as a z/OS systems programmer or equivalent knowledge

OR

- At least one year as a Db2 for z/OS Database Administrator

## Contenu

### Starting, stopping, and accessing Db2

- Starting Db2 as part of the z/OS IPL process
- Data set allocation and APF authorization
- The START DB2 and STOP DB2 commands
- zParms, DSNTIJUZ, and DSNZPARM
- Address spaces
- IRLM and lock storage

### Db2 components and processes

- BSDS and logging
- Catalog and directory
- Program preparation and execution
- Transaction execution
- Data sharing in the sysplex

### System security

- Protecting Db2 data sets
- Controlling connections to Db2

- Db2 authorization exits
- Trusted context and roles
- Securing an application server

### Db2 authorization

- Authorizations
- Controlling access for dynamic and static SQL
- Access control authorization exits
- Distributed security

### Program flow for all environments

- Connection types and language interfaces
- Program flow

### TSO and batch environments

- TSO
- Utilities

### Transaction flow in IMS and CICS (optional)

- Transaction processing
- Thread reuse
- SIGNON exit

### CICS - Db2 environment (optional)

- CICS connections to Db2
- DSN transaction

### IMS - Db2 environment (optional)

- IMS-Db2 introduction
- IMS TM
- IMS/DLI batch environment

### Distributed - Db2 environment

- Distributed attachment
- Location aliases
- DDF profiling
- Block fetch

- • Db2 REST services

## Logging

- • The Db2 log
- • Log commands
- • Archiving considerations
- • BSDS

## Db2 utilities

- • Categorization
- • DSNJU003 and DSNJU004
- • BACKUP and RESTORE SYSTEM

## Operations (monitoring and controlling Db2)

- • Issuing Db2 commands
- • Basic workload controls
- • Monitoring and controlling utilities
- • DISPLAY commands
- • Starting / stopping databases

## Recovery

- • Planning for recovery
- • Table space recovery
- • Log considerations
- • DISPLAY and SET LOG commands
- • Recovery considerations

## System recover/restart

- • System checkpoints
- • System restart after normal shutdown
- • Page externalization
- • Two-phase commit processing
- • System restart after system failure
- • Recovery considerations

## Java with Db2 (optional)

- • Java

## Administrative task scheduler (optional)

- • Overview
- • Routines
- • Scheduling features
- • Life cycle
- • Synchronization
- • Commands

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