Enterprise Computing Solutions - Education Services

TRAINING OFFERING

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Db2 12 for z/OS Intermediate System Administration

CODE:	LENGTH:	PRICE:
CV853G	24 Hours (3 days)	kr24,285.00

Description

This course provides students with an introduction to the skills and knowledge needed to administer a Db2 12 for z/OS system.

Objectives

After completing this course, students should be able to:

- Start and stop a Db2 subsystem
- Use the SET SYSPARM command
- Access the system log to gather information about the subsystem initialization, operation, or shutdown
- Describe the components and address space structure of a Db2 subsystem
- Explain the use of RACF (or another external security program) for Db2 connection security
- Explain the use of Roles and Trusted Contexts
- Implement security procredures for a Db2 subsystem
- Explain Db2 program flow for all environments
- Explain parameter setting for the IRLM
- Invoke and utilitze Db2 TSO facilities
- Use the Db2 Catalog to monitor subsystem authorizations
- Work with the Active Log data sets
- Explain Db2 logging
- Use SET LOG SUSPEND and SET LOG RESUME
- Use DSNJU004 to print log map and interpret the results
- Use DSNJU003 to rename Db2 data sets
- Plan for recovery of a BSDS failure
- Monitor and control a Db2 subsystem
- Explain transaction flow in IMS and CICS environments (optional)
- Describe the CICS and DB2 environment (optional)
- Explain the difference between JDBC and SQLJ
- And much more

Audience

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

Prerequisites

- 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

Programme

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 storageDb2 components and processes BSDS and logging Catalog and directory Program preparation and execution Transaction execution Data sharing in the sysplexSystem security Protecting Db2 data sets Controlling connections to Db2 Db2 authorization exits Trusted context and roles Securing an application serverDb2 authorization Authorizations Controlling access for dynamic and static SQL Access control authorization exits Distributed securityProgram flow for all environments Connection types and language interfaces Program flowTSO and batch environments TSO UtilitiesTransaction flow in IMS and CICS (optional) Transaction processing Thread reuse SIGNON exitCICS - Db2 environment (optional) CICS connections to Db2 DSNC transactionIMS - Db2 environment (optional) IMS-Db2 introduction IMS TM IMS/DLI batch environmentDistributed - Db2 environment Distributed attachment Location aliases DDF profiling Block fetch Db2 REST servicesLogging The Db2 log Log commands Archiving considerations BSDSDb2 utilities Categorization DSNJU003 and DSNJU004 BACKUP and RESTORE SYSTEMOperations (monitoring and controlling Db2) Issuing Db2 commands Basic workload controls Monitoring and controlling utilities DISPLAY commands Starting / stopping databasesRecovery Planning for recovery Table space recovery Log considerations DISPLAY and SET LOG commands Recovery considerationsSystem recover/restart System checkpoints System restart after normal shutdown Page externalization Two-phase commit processing System restart after system failure Recovery considerationsJava with Db2 (optional) JavaAdministrative task scheduler (optional) Overview Routines Scheduling features Life cycle Syncronization Commands

Session Dates

Date	Location	Time Zone	Language	Type	Guaranteed	PRICE
15 Apr 2024	Virtual Classroom (GMT+1)	CEDT	English	Instructor Led Online		kr24,285.00
22 Jul 2024	Virtual Classroom (GMT+1)	CEDT	English	Instructor Led Online		kr24,285.00
28 Oct 2024	Virtual Classroom (GMT+1)	CET	English	Instructor Led Online		kr24,285.00

Ytterligare information

Denna utbildning finns också som utbildning på plats. Kontakta oss för mer information.