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Db2 for z/OS 13: Introduction to System Administration

Duración: 3 Días   Código del Curso: CV854G   Método de Impartición: Curso Remoto (Virtual)

Temario:

This course introduces the skills and knowledge required to administer a Db2 13 for z/OS system. Utilizing the lecture and a z/OS lab environment, learners will gain practical practice starting, stopping, and accessing Db2; examining the zParms and data sets; connecting to a Db2 subsystem via Data Studio; querying the catalog; exploring RACF; examining threads; working with DB2I; modifying Db2 active and archived logs; utilizing online utilities; monitoring and controlling Db2; recovering the catalog and directory; and using the administrative task scheduler.

Curso Remoto (Abierto)

Nuestra solución de formación remota o virtual, combina tecnologías de alta calidad y la experiencia de nuestros formadores, contenidos, ejercicios e interacción entre compañeros que estén atendiendo la formación, para garantizar una sesión formativa superior, independiente de la ubicación de los alumnos.

Dirigido a:

This course is intended for z/OS system administrators, database administrators, or other technical individuals who will be managing Db2 13 for z/OS.

Objetivos:

- Start the Db2 subsystem using command syntax

- Identify and describe the function of the three required Db2 address spaces

- Describe the Db2 program preparation process, including precompilation, compilation, link editing, and binding steps

- Apply RACF commands to assign and manage access permissions for user groups

- Explain Trusted Contexts and Roles, then create and test them

- Check SYSADM authority and work with secondary authorization IDs and database privileges

- Explain Db2 program flow for all environments

- Run a Db2 program in a TSO batch environment

- Identify the steps involved in transaction processing and the purpose of the Db2 SIGNON protocol in CICS and IMS environments

- Explain the role and configuration of the CICS Db2 Attachment Facility in establishing connections between CICS and Db2 subsystems

- Explain the role of the Subsystem Member (SSM) in controlling Db2 connections within IMS environments

- Explain the characteristics and functionality of Distributed Data Facility (DDF) transactions in Db2 for z/OS, including their classification and usage with Workload Manager (WLM)

- Explain the role of the Db2 log in data recovery and system restart processes

- Explain the operation of the Db2 BACKUP SYSTEM utility, including system preparation, invocation of the DFSMShsm fast replication function and updating the BSDS

- Demonstrate the use of Db2 commands to monitor and control utilities and connections

- Describe the components and function of a Unit of Recovery (UR) in Db2, including the role of log RBSa and the process of back-chaining records for rollback

- Describe the phases of Db2 system restart following a system failure, including log initialization, current status rebuild, forward log recovery, and backward log recovery

- Execute a restart following a normal shutdown and an abnormal shutdown

- Explain how JDBC enables Java applications to access Db2 for z/OS

- Explain the synchronization process and command operations of the Db2 administrative task scheduler and the steps to start or stop the scheduler manually

Prerequisitos:

Participants should have the following skills:

- A basic understanding of the objects (such as databases, table spaces, tables, indexes, etc) 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

Contenido:

Unit 1: Starting, Stopping, and Accessing Db2

Unit 2: Db2 Components and Processes

Unit 3: System Security

Unit 4: Db2 Authorization

Unit 5: Program Flow for All Environments

Unit 6: TSO and Batch Environments

Unit 7: Transaction Flow in IMS and CICS (optional)

Unit 8: CICS - Db2 Environment (optional)

Unit 9: IMS - Db2 Environment (optional)

Unit 10: Distributed - Db2 Environment

Unit 11: Logging

Unit 12: Db2 Utilities

Unit 13: Operations (Monitoring and Controlling Db2)

Unit 14: Recovery

Unit 15:System Recover / Restart

Unit 16: Java with Db2 (optional)

Unit 17: Administrative Task Scheduler (optional)

Más información:

Para más información o para reservar tu plaza llámanos al (34) 91 425 06 60

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