

DB2 for z/OS Data Sharing Recovery and Restart

Course Summary

Description

This course covers recovery and restart considerations for a DB2 for z/OS data sharing group, including DB2 Version 8 and 9 enhancements.

Objectives

At the end of this course, students will be able to:

- Describe how DB2 recovery and restart processes are different in a data sharing environment versus a standalone DB2 environment
- Describe the architecture of DB2 data sharing, and the recovery and restart considerations associated with system components that enable data sharing on a parallel sysplex
- Describe how clustering facility structures are allocated and recovered
- Describe the DB2 group restart process
- Describe z/OS operating system and System z hardware components from a DB2 data sharing recovery/restart perspective
- Describe how disaster recovery processes should be updated to account for the presence of a DB2 data sharing system in the environment

Topics

- Database Recovery in the Data Sharing Environment
- Parallel Sysplex Availability Considerations
- Structure Allocation and Recovery Considerations and Restart
- Parallel Sysplex Recovery in the Data Sharing Environment
- Disaster Recovery Considerations for DB2 Data Sharing

Audience

This course is intended for DB2 DBAs and systems support personnel who are responsible for implementing recovery procedures for a DB2 for z/OS data sharing installation.

Prerequisites

Students should be thoroughly familiar with the DB2 for z/OS mainframe environment, ideally with production experience with DB2 for z/OS Version 7 or a subsequent release.

Duration

Two days

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Course Outline

I. Database Recovery in the Data Sharing Environment

- A. Discusses the operational differences in the process of recovering a database in the DB2 data sharing environment

II. Parallel Sysplex Availability Considerations

- A. Describes the architecture of the operating system components supporting DB2 data sharing, and discusses the availability considerations of these system components

III. Structure Allocation and Recovery Considerations and Restart

- A. Covers the details of how DB2 and z/OS allocate structures in the coupling facility, the procedures of manually recovering DB2 structures, and the details of DB2 restart and group restart

IV. Parallel Sysplex Recovery in the Data Sharing Environment

- A. Covers the considerations that pertain to recovery of the operating system and hardware components of the parallel sysplex that supporting a data sharing environment

V. Disaster Recovery Considerations for DB2 Data Sharing

- A. Discusses the unique considerations that need to be addressed for a data sharing group in a disaster recovery scenario