

DB2 UDB FOR OS/390 DATA SHARING

CDT634

This course presents thorough discussion of data sharing on DB2 Universal Database for OS/390. Planning a data sharing application is presented which covers logical and physical design. Group buffer pools and global locking are also covered.

Audience

- This course is intended for database administrators and other data processing professionals who require an in-depth knowledge of data sharing in the DB2 UDB for OS/390 environment.

Course Length

- Two Days

Prerequisites

- DB2 UDB Administration Course or equivalent experience with DB2.

Teaching Methods

- Lectures
- Hands-on exercises

Course Outline

WF5

Introduction

- Overview of DB2 Universal Database Data Sharing
- The Sysplex Environment
- Design Considerations for Data Sharing (Logical and Physical)

Data Sharing Implementation

- Creating the Data Sharing Group
- Adding Members to the Group
- Updating Systems Parameters for a Member
- Removing a Member from a Group
- Accessing the Data Sharing Group
- Starting and Stopping DB2
- Setting up Connections to Remote Systems
- Considerations for Logging

Group Buffer Pools and Locking

- Global Buffer Pools
- Using Virtual Buffer Pools and Hiperpools
- Global Locking
- P-Locks
- Global Transaction Locking

Performance Tuning

- Performance Objectives
- Monitoring Tools
- Improving Concurrency
- Tuning the Use of Locks
- Deadlock and Timeout Processing
- Application Considerations
- Running Utilities
- Access Path Selection
- Use of EXPLAIN in the Data Sharing Group

Recovery

- Planning for Recovery with Data Sharing
- The RECOVER Utility
- Recovery Scenarios