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DB2 10.1 for LUW New Features and Database Migration Considerations
Information

Length: 2.0 Days
Ref: CL313G-X
Delivery method: Classroom
Price: EUR

Overview

Get the technical information about the new functions and features available in DB2 10.1 for Linux, UNIX, and Windows and plan the migration for DB2 Version 9.5, 9.7 or 9.8 database systems to DB2 LUW 10.1.

DB2 Version 10.1 for Linux, UNIX, and Windows continues to deliver database efficiency, simplicity, and reliability. Important new features and enhancements address the needs of your business. Whether your needs are improving business critical reliability and performance, simplifying consolidation and security, increasing business insight, reducing costs, or providing a resilient system for the valuable information assets of your company, DB2 Version 10.1 delivers.

The course will describe the adaptive compression feature of DB2 LUW 10.1 that improves table compression through an advanced row compression technique that uses two levels of compression dictionaries (table-level and page-level) to improve compression ratios, particularly as data changes.

DB2 LUW 10.1 support for Multi-temperature storage allows administrators to define storage groups that can be used to assign data based on performance characteristics and migrate data to a storage group with lower cost devices or lower performance when the demand for that data declines.

The lectures will describe the DB2 LUW 10.1 performance related features including improved query optimizer techniques and functionality including star schema query optimization, improved data and index prefetching, and improved use of statistical views.

We will discuss how to implement system period and application period temporal tables associated with Time Travel Query to assign time-based state information to your data, so you can query the past state of your data.

DB2 LUW 10.1 introduces row and column access control (RCAC), as an additional layer of data security. Row and column access control is sometimes referred to as fine-grained access control or FGAC. We will discuss using RCAC to control access to a table at the row level, column level, or both and how RCAC can be used to complement the table privileges model.

The database high availability feature HADR is significantly enhanced with DB2 LUW 10.1. We will discuss

how with DB2 10.1 you can define up to three standby databases. The lecture will also explain how to implement one standby database with the new time-delayed replay feature, which helps to recover from application errors that cause data loss on the primary.

We will cover various migration planning and installation considerations to help move existing DB2 LUW databases to DB2 LUW 10.1 to take advantage of the new features and functions.

Public

This intermediate course is for system administrators, database administrators, and technical personnel involved in planning, implementing, and maintaining DB2 LUW 10.1 databases and have experience working with DB2 LUW Version 9.

Prerequisites

You should have:

- Experience supporting DB2 LUW Version 9.5, 9.7 or 9.8 databases.

Objective

Please refer to Course Overview.

Topics

Please refer to Course Overview.