DB2 Native SQL Stored Procedures (1 Day)

Benefits

The student learns how to design and implement native SQL stored procedures.

Audience

Application programmers who will be involved in creating, testing, and implementing native SQL stored procedures in DB2 for z/OS.

Prerequisites

The student should be knowledgeable of SQL, and have some experience invoking and coding stored procedures.

Major Topics Include

- CREATE PROCEDURE

- Stored procedure options

- Stored procedure parameters

- SQL Procedure Language syntax

- Compound statements

- Conditions and Handlers

- ALTER PROCEDURE

- Versioning

- Commands for native SQL stored procedures

- Deploying native SQL stored procedures

- DB2 Catalog tables for stored procedures

DB2 Native SQL Stored Procedures - Topical Outline

Overview of native SQL stored procedures
Defining native SQL stored procedures
    CREATE PROCEDURE
    Parameter declarations
    Options
Removing stored procedure definitions
DROP PROCEDURE
    Computer Exercise: A Simple native SQL
    stored procedure

Native SQL Procedures Language Syntax
SQL statements
Compound Statements
Comments
Labels
Declarations: Variable, Conditions, Handlers, and Cursors
Procedural Statements
    Computer Exercise: A more complicated
    native SQL stored procedure

ALTER PROCEDURE parameters
Versioning
    ADD VERSION
    ALTER VERSION
    REPLACE VERSION
    ACTIVATE VERSION
    REGENERATE VERSION
    DROP VERSION
    Computer Exercise: Converting a
    COBOL stored procedure to native SQL

DB2 Commands for native SQL stored procedures
Deploying native SQL stored procedures
Catalog changes for native SQL stored procedures