



COURSE ABSTRACT

COURSE CODE

- » ADDB-CSQT-F131

APPLICABLE VERSIONS

- » BMC AMI Command Center for DB2® 12.1 and 13.1

DELIVERY METHOD

- » Web-based Training (WBT)

COURSE DURATION

- » 2 Hours

PREREQUISITES

- » BMC AMI Command Center for DB2® 13.x: Fundamentals Using (WBT)

RECOMMENDED TRAININGS

- » NA

Course Overview

BMC AMI Command Center for Db2® is a web-based interface to access and manage Db2 databases, data, and custom BMC Db2 applications. Along with providing an intuitive graphical user interface to quickly access database information, it offers secure, role-based access levels to data and actions that can be performed on data.

This course is designed to introduce you to the different ways to access, view, and work with SQL statements using BMC AMI Command Center for Db2. To effectively manage database schemas, you will find various ways to compare database schemas, generate reports and manage schema standards rules for SQL statements. Moreover, you will gain skills to generate, create SQL commands, invoke stored procedures, define rules for violations and manage violations to ignore rules. With the help of this course, you will be able to quickly troubleshoot SQL statements for errors, and performance issues and tune them in no time.

Target Audience

- » Application Developers
- » Database Administrators

Learner Objectives

- » Compare Db2 schemas and generate comparison reports
- » Manage schema rules violations and violations to ignore rules
- » Generate and create SQL commands
- » Invoke and edit stored procedures
- » Define rules to manage the quality of the SQL DML statements
- » Explore SQL Errors application to evaluate SQL errors
- » Identify performance issues in SQL statements using the SQL Analysis application
- » Describe DB2 packages to identify problems with SQL statements
- » List the various stages in the SQL tuning workflow
- » Discuss the various ways to select SQL statements for analysis
- » Explain a SQL statement from a DB2 statement Cache or a DB2 package
- » Explain how to create what-if scenarios and compare statements



BMC AMI Command Center for Db2® 13.x: Fundamentals for SQL and Troubleshooting (WBT)

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COURSE ACTIVITIES

- » Quiz
- » Product Simulations

CERTIFICATION PATH

- » This course is not part of a BMC Certification Path

DISCOUNT OPTIONS

- » Have multiple students? Contact us to discuss hosting a private class for your organization
- » [Contact us for additional information](#) 

Course Modules

Module 1: Working with Db2 Schemas

- » Comparing Db2 Schemas
 - DB2 Schema Comparison Types
 - Schema Compare view from a New Report
 - Schema Compare using an Existing Report
 - Viewing CDL statements
 - Overview by Statement Type
 - Overview by Object Type
 - Schema Management Options
- » Managing Schema Standards for SQL DDL Statements
 - Schema Validation Process
 - Managing Schema Rules view
 - Managing Ruleset
 - Managing Schema Rules Violations
 - Managing Schema Standards VTI rules

Module 2: Working with SQL Commands

- » Working with SQL Commands
 - Overview of Scratchpad Editor

- Supported Commands
- Generating a Command
- Generating and Running Alter DDL statements
- Creating Commands
- Editing Text Files in Scratchpad
- Running a Command from Scratchpad
- Setting Scratchpad Options
- Invoking a Stored Procedure
- Updating a Stored Procedure
- » Assuring SQL Statements Quality
 - Evaluate SQL statement Quality
 - Viewing Expert Rules Violations Summary
 - Viewing Detailed Expert Rules Violations
 - Adding a VTI Rule for a Violation
 - Managing VTI Rules

Module 3: Troubleshooting and Tuning SQL Statements

- » Troubleshooting SQL statements
 - Overview of SQL Errors Application
 - Identifying Errors Generated by SQL Statements

- Overview of SQL Analysis Application
- Identifying Performance Issues in SQL Statements
- Selecting the Time Interval for SQL Apps
- Describing Db2 Packages
- » Tuning SQL statements
 - Tuning SQL workflow
 - Performance Perspective Overview
 - Setting SQL Tuning Options
 - Selecting a Statement for Analysis
 - Explaining SQL statements
 - Analyzing a statement from Db2 Cache View
 - Analyzing a Statement from Db2 Package View
 - Analyzing an ad hoc statement
 - Creating a What-If Scenario
 - Comparing Statements
 - Simulation: Working with SQL Errors and SQL Analysis Applications