BMC AMI SQL Performance for Db2® 13.x: Fundamentals Concepts (WBT)

COURSE ABSTRACT

COURSE CODE

» ADDB-SQPC-F131

APPLICABLE VERSIONS

» BMC AMI SQL Performance for Db2® 12.1 and 13.1

DELIVERY METHOD 🌐

» Web-based Training (WBT)

COURSE DURATION

» 2 Hours

PREREQUISITES

» NA

RECOMMENDED TRAINING

» *BMC AMI Command Center for Db2® 13.x: Fundamentals Using (WBT)*

Course Overview

BMC AMI SQL Performance for Db2® delivers modern solutions designed for a new generation of mainframe professionals to quickly eliminate wasteful SQL statements, manage performance throughout the application lifecycle, and audit privileged access to reduce risk.

You will start this course by learning some basics of SQL performance evaluation and query optimization. You will get a better understanding of BMC AMI Apptune for Db2, the setting up of SQL Explorer, SQL Assurance capabilities, and so on. In addition, you will be able to understand how all these products contribute to rapidly diagnosing performance problems, tuning SQL, and anticipating and resolving slowdown to avoid bad SQL.

Target Audience

» Database Administrators

Learner Objectives

» Identify features of BMC AMI SQL Performance for Db2®
» Learn the basics of the products that are part of the BMC AMI SQL Performance for the Db2® solution
» Learn when to use BMC AMI Apptune for Db2®
» Learn when to use BMC AMI SQL Explorer for Db2®
» Learn when to use BMC AMI SQL Assurance for Db2®

For more information about BMC Education Services, visit **www.bmc.com/education**.

BMC AMI SQL Performance for Db2® 13.x: Fundamentals Concepts (WBT)

COURSE ABSTRACT

COURSE ACTIVITIES
» Presentations
» Interactions
» Quizzes

CERTIFICATION PATH 🌐
» NA

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: Introduction to BMC AMI SQL Performance for Db2®
» Revise the basics of SQL and Db2
» State the need for SQL performance evaluation
» Identify the concept of performance tuning
» Explain the concept of query optimization
» Understand the use of query optimization in SQL performance
» Explain the features of BMC AMI SQL Performance for Db2
» Describe the high-level overview of each product in the BMC AMI SQL Performance for the Db2 solution
» Understand how each product contributes to evaluating SQL performance for Db2

Module 2: BMC AMI Apptune for Db2®
» Explain an overview of BMC AMI Apptune for Db2
» Identify BMC AMI Apptune for Db2 features
» Discuss Apptune components
» List types of Apptune reports

» Explain the command interface panel
» List user options
» Describe the EXPLAIN function
» Understand the use of Apptune
» List Apptune reports
» Define workload analysis task
» Describe the concept of batch processing in Apptune
» Understand the user profile feature of Apptune
» Identify monitoring modes of Apptune
» Learn basics of Apptune filters

Module 3: BMC AMI SQL Explorer for Db2®
» Analyze the SQL Explorer for Db2
» Identify common problems while working with SQL
» Discuss SQL Explorer interface
» Discuss an overview of key features of SQL Explorer
» Describe the EXPLAIN SQL statement
» Describe the COMPARE SQL statement

» Define Mismatch Analysis
» Define Impact Analysis
» Discuss the migration of access path statistics to another subsystem
» Discuss how to generate automatic DECLARE TABLE statements

Module 4: BMC AMI SQL Assurance for Db2®
» Define the components of SQL Assurance
» Explain the capabilities of SQL Assurance
» List the advantages of SQL Assurance
» Demonstrate how to prepare a project
» Explain how to create a project
» Define how to configure a project
» Explain how to build a project and review its output
» Demonstrate using SQL Assurance as a part of a pipeline
» Define the SQL Assurance rules

For more information about BMC Education Services, visit **www.bmc.com/education**.