ABSTRACT

BMC AMI DATA

BMC AMI Application Restart Control 4.x: Fundamentals Concepts for Db2®, IMS™, and VSAM (WBT)

Learning Path >

Course Code: ADDB-ARCC-F402

Modality	Duration	Applicable Versions	Target Audience
Web-based Training (WBT)	2 Hours	BMC AMI Application Restart Control 4.2 -Db2® 12.1, 13.1 -IMS™ 15.4, 15.5	• Application Developers • System Administrators

Course Overview

BMC AMI Application Restart Control (AR/CTL) enables to resume failed or interrupted batch applications from the most recent checkpoint rather than from the beginning of the job. It helps implement checkpoint/restart functionality with no changes to application code or jobs. AR/CTL helps determine the best balance between performance, restart time, and checkpoint overhead by controlling the checkpoint frequency outside the application.

AR/CTL is integrated with other BMC AMI products to provide suspend-and-resume processing to obtain a point of consistency required for reorganization or recovery in BMC AMI Backup and Recovery for IMS™, BMC AMI Online Reorg for IMS™, BMC AMI Fast Path Online Restructure for IMS™, and BMC REORG PLUS for Db2® Online Feature.

This course introduces the fundamentals of BMC AMI AR/CTL for Db2®, IMS™, and VSAM including Batch Control Facility (BCF) concepts, product features, and key benefits. This course also covers services provided by BMC AMI AR/CTL, such as checkpoint/restart services, data services, and operational services.

Prerequisites

- NA

Learning Objectives

- Understand BMC AMI Application Restart Control (AR/CTL)
- Describe the need and benefits of AR/CTL
- Understand the function of AR/CTL components
- Explain data sets used by AR/CTL
- Describe Batch Control Facility (BCF)
- Understand the features and components of BCF
- Understand how to work with REGISET and its types
- Explain BCF processing options and their levels
- Understand functions of AR/CTL
- Explain different types of services provided by AR/CTL

Course Modules

Module 1: Getting Started with BMC AMI Application Restart Control

- BMC AMI Application Restart Control Overview
  - Need of BMC AMI AR/CTL
  - Key benefits of BMC AMI AR/CTL
- BMC AMI Application Restart Control Components
  - List of BMC AMI AR/CTL components
  - Function of each component
  - Product tasks
  - BMC Software subsystems concepts
- Data sets Used by BMC AMI AR/CTL
  - Registration data sets and its types
  - Record key concept
  - History data set
  - Trace data set
  - Checkpoint/restart data set
  - VSAM file control table data set

Module 2: Understanding Batch Control Facility (BCF)

- Introduction to Batch Control Facility (BCF)
  - Fundamentals of BCF
  - BCF environment
  - Tasks performed to support the BCF
  - BCF components
- Batch Control Facility—Key Benefits and Features
  - BCF features
  - Data Management goals
  - BCF benefits
- Working with REGISET and BCF Processing Options
  - Different record types in REGISET used by BCF
  - Primary log volume and secondary log volume concepts
  - BCF processing options and their levels

Module 3: BMC AMI Application Restart Control—Key Functions and Services

- BMC AMI AR/CTL Checkpoint/Restart Services
  - Methods used for requesting checkpoint/restart services
  - Restart processing
  - Checkpoint processing
  - Automated checkpoint data set processing
  - Determining automated checkpoint/restart
  - Checkpoint control
  - Application reattach options
- BMC AMI AR/CTL Data Services
  - Sequential file interception
  - Local VSAM access
  - Remote VSAM access (file sharing)
  - GSAM replacement
  - ASAM callable interface
  - Db2 cursor repositioning
  - Program exception handling
  - SQL return code handling
  - Methods for using data services
- BMC AMI AR/CTL Operational Services
  - Suspend-and-resume interfaces
  - Early termination support
  - On-demand snap dumps
  - Enhanced call tracing

Discount Options

Have multiple students? Contact us to discuss hosting a private class for your organization.

Contact us for additional information