

# BMC AMI Application Restart Control for Db2® 4: Using (WBT)

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Course Code: ADDB-ARCU-F131

Modality	Duration	Applicable Versions	Target Audience
Web-based Training (WBT)	2 Hours	BMC AMI Application Restart Control 4.2 -Db2® 12.1, 13.1	<ul style="list-style-type: none"><li>• Application Developers</li><li>• System Administrators</li></ul>

## Course Overview

BMC AMI Application Restart Control (BMC AMI AR/CTL or AR/CTL) has three components: AR/CTL for Db2, AR/CTL for IMS, and AR/CTL for VSAM. AR/CTL for Db2 works independently in application programs that use only Db2 tables, only sequential files, or both. It also works with the other two components, AR/CTL for IMS and AR/CTL for VSAM. The AR/CTL component for Db2 offers functions tailored for Db2, which include cursor repositioning, checkpoint pacing, and enhanced call tracing.

This web-based course helps learners understand the BMC AMI AR/CTL for Db2 component in depth. The course explains concepts such as explicit or hard-coded checkpoints, checkpoint scope, and Db2 connection types. The course also covers the implementation of checkpoints and the process of Db2 cursor repositioning. The course also helps learners to understand the implementation of BMC AMI AR/CTL data services and operational services.

In addition to English, the textual content of this course is available in Chinese (Simplified), French, German, Italian, Japanese, Korean, Portuguese (Brazil), and Spanish (Mexico).

## Prerequisites

- BMC AMI Application Restart Control 4.x: Fundamentals Concepts for Db2®, IMSTM, and VSAM (WBT)
- BMC AMI Application Restart Control 4.x: Fundamentals Using ISPF Interface (WBT)

## Learning Objectives

- Explain restart processing and checkpoint processing
- Illustrate dynamic checkpointing
- Describe AR/CTL-format restart and checkpoint calls
- Explain AR/CTL common calls
- Explain Db2 commits concept
- Explain Db2 cursor repositioning
- Describe Db2 cursor repositioning methods
- Explain automatic Db2 cursor repositioning
- Explain how to set up the Db2 connection and connection types
- Use Db2 attachment facility and DB2 Batch Attachment Facility Only options
- Explain the Db2 program execution without AR/CTL and with AR/CTL
- Describe required JCL changes to set up AR/CTL for Db2 program
- Explain the concept of sequential file interception
- Use ASAM routines and ASAM callable interface
- Describe sequential data sets that are supported by AR/CTL through the ASAM callable interface
- Explain the ARCASAM call and its syntax, data set option and program option members
- Explain the AUTO\$ASB method and ASAM Copy utility

## Course Modules

### Module 1: Checkpoint/Restart Services

- Restart processing
- Checkpoint processing
- Dynamic checkpointing
- AR/CTL-format restart and checkpoint calls
- AR/CTL common calls
- Db2 commits
- Db2 cursor repositioning
- Db2 cursor repositioning methods
- Automatic Db2 cursor repositioning

### Module 2: Db2 Connection Services

- Db2 connection and connection types
- Db2 attachment facility option
- DB2 Batch Attachment Facility Only option
- Db2 program execution without AR/CTL
- Db2 program execution with AR/CTL
- Required JCL changes to set up AR/CTL for the Db2 program

### Module 3: Sequential File Interception Services

- Sequential file interception overview
- ASAM routines and ASAM callable interface
- Sequential data sets that are supported by AR/CTL through the ASAM callable interface
- ARCASAM call and its syntax
- Data set option and program option members
- AUTO\$ASB method
- ASAM Copy utility

### Course Assessment

#### Discount Options

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

Contact us for additional information 