

BMC AMI Storage FDRABR 6.x: Fundamentals Concepts (WBT)



ABSTRACT

[Learning Path >](#)

Course Code: AOFD-ABRC-F6100

Modality

Web-based Training (WBT)

Duration

3 hours

Applicable Versions

BMC AMI Storage FDRABR 6.1

Target Audience

- Storage Managers

Course Overview

BMC AMI Storage FDRABR (Fast Dump Restore Automatic Backup & Recover) is a BMC AMI Storage Management solution. BMC AMI Storage Management solutions, you can ensure that the storage subsystems are optimized for resource utilization, performance, and resilience with full protection for your data.

FDRABR is a suite of powerful, flexible, and high-performance z/OS Storage Management tools that provide a range of features. This component is used to restore DASD data sets backed up with FDR.

This web-based course helps learners understand the fundamental concepts of FDRABR and its different components, features, and functions. It also introduces learners to the FDR JCL requirement and the FDR statement.

Prerequisites

- None

Recommended Training

- BMC AMI Storage FDR 6.x: Fundamentals Concepts (WBT)

Learning Objectives

- Explain the concept of FDRABR, its features, and how to access it
- Explain FDRABR Backups, FDRABR Volume Backups and Restores
- Discuss Backup Retention, Tape Management, and Volume Backup Execution
- List the Control Statements in FDRABR, Volume DUMP Statements, and the Volume DUMP Statements
- List the types of FDRABR Volume Backups
- Understand FDRABR Restore Options, Compress Option, and Duplicate Tape Option
- Understand Step Termination and Remote Queue
- Explain FDRABR Archiving and Superscratch
- Explain FDRABR Auto-Recall, FDRABR Catalog Locate Exit, and FDRABR Volume Selection
- Understand the security considerations for auto-recalling archived data sets
- Explain the feature SMS FDRABR Support
- Discuss memory requirement for FDRABR
- Understand FDRABR Management Class Usage and FDRABR Backup
- Explain copying of FDRABR Backups
- Explain the key strategies and settings for backups and archiving
- Explain how to invoke FDRABR in the address space
- Discuss synchronous and asynchronous external recall
- Understand the security considerations for auto-recalling archived data sets

Course Modules

Module 1: Introduction to FDRABR and FDRABR Volume Backups

- Introduction to FDRABR
 - FDRABR Introduction and how to access
- FDRABR Volume Backups
 - FDRABR backups
 - FDRABR Volume Backups and Restores
 - FDRABR data set restores
 - Simulation
 - FDRABR Utilities
 - FDRCRYPT
 - Generation and cycles
 - Volume initialization
 - Tape format and naming conventions
 - Backup retention and tape management
 - Volume backup execution
- FDRABR Backup of VM and Linux Volumes
 - z/VM and Linux DASD volumes
 - Overview
 - Generations
 - Volume initialization

Module 2: Processing Options and Requirements

- Processing options
 - FDRABR backup options
 - FDRABR restore options
 - Compress option
 - Duplicate tape option
 - E-mail notification
 - Security
 - Data set enqueue option
 - VTOC enqueue option
 - Step termination
 - Remote queue
- Requirement
 - Memory requirement

Module 3: FDRABR Volume DUMP Job Requirements

- STEPLIB or JOBLIB DD statement
- EXEC statement
- \$RPTSUT2 DD statement
- ABRBKDQ DD statement
- ABRMAP DD statement
- FDREMAIL DD statement
- FDRSUMM DD statement
- SYSIN DD statement
- SYSPRINT DD statement
- SYSPRINx DD statement
- DISKxxxx DD statements
- SYSUDUMP DD statement
- TAPEX DD statement
- TAPEXX DD statement

Module 4: FDRABR Volume DUMP Control Statements

- Volume DUMP Statements
 - DUMP statement, its syntax, and operands
 - SIM statement
 - SNAP and CONSNAP statement
 - PSPLIT and CONPSPLIT statement
 - FCOPY and CONFCOPY STATEMENT
- Volume Backup SELECT, EXCLUDE, and MOUNT Statements
 - SELECT and EXCLUDE statements syntax
 - SELECT and EXCLUDE statements and their operands
 - MOUNT statement and its syntax

Module 5: FDRABR Restore Job Requirements

- Understand the Job Control Statements required to perform restore from FDRABR Volume Backups
 - STEPLIB or JOBLIB DD statement
 - EXEC statement
 - ABRREST DD statement
 - DISKxxxx DD statement
 - FDREMAIL DD statement
 - FDRSUMM DD statement
 - SYSIN DD statement
 - SYSPRINT DD statement
 - SYSUDUMP DD statement
 - TAPEX DD statement

Module 6: FDRABR Restore Control Statements

- Set Restore Statement
 - RESTORE statement and its syntax
 - SIMREST statement
 - FDRABR data set restore procedure
 - Restore VSAM files
 - RESTORE statement operands
- SELECT and EXCLUDE Statements for Data Set Restore
 - SELECT and EXCLUDE statements syntax
 - SELECT statement
 - SELECT and EXCLUDE statement operands

Module 7: FDRABR Archiving and Superscratch

- Introduction to FDRABR Archiving and Superscratch
 - FDRABR Superscratch and FDRABR Archive
 - FDRABR data set selection
 - Archive Backup and Restore Example
- Archive Restore Job Control requirements
 - ABRARDQ DD Statement
 - ABRMAP DD Statement
 - ARCHIVE DD Statement
 - POOLDISK Option

Module 8: FDRABR Auto Recall

- FDRABR Auto-Recall – Introduction
 - FDRABR catalog locate exit
 - Data set not found exit
 - Archive control file
 - Recall indicator
 - MIGRAT option
- FDRABR Auto-Recall – Operation
 - Security Considerations
 - LXCHKSEC and LXBYPSEC

Module 9: SMS FDRABR Support and FDRABR Backup Maintenance

- SMS FDRABR Support
 - FDRABR volume selection
 - FDRABR management class usage
 - FDRABR backup
- FDRABR Backup Maintenance
 - Copying FDRABR Backups
 - FDRABR Archive Maintenance

Module 10: Best Practices

Best practices of FDRABR