BRMS for IBM i, including Cloud Storage Solutions for i

Course code: AS28G

This course covers the features and functions supported by Backup Recovery and Media Services (BRMS). BRMS is an integrated and comprehensive tool for managing backup, recovery, archive, and retrieval operations for a single Power System with IBM i or multiple IBM i systems at a site or across a BRMS Network.The lectures describe how to perform the supported functions when using a 5250 emulation session and also with BRMS Web Interface. Students then have the opportunity to practice in lab exercises what they have learned in lecture.

Who is the course for

What we teach you

- Describe the major features and functions of BRMS
- List the steps to install BRMS on a single system or in a BRMS Network environment
- Implement a previously defined backup and recovery strategy using BRMS
- Implement a previously defined archival and retrieval plan, including dynamic retrieval, using BRMS
- Explain how to use a tape drive, tape library system, virtual tape, and optical drive with BRMS
- Implement and use BRMS using the green screen and BRMS Web Interface

Required skills

Course Outline

Day 1

- (00:30) Welcome and Skytap lab overview
- (00:40) Unit 1: Installing BRMS
- (00:10) Break
- (01:20) Unit 2: BRMS policies overview
- (00:35) Exercise 1: Using 5250 emulation
- (01:00) Lunch
- (00:50) Unit 3: Media devices and encryption using software and hardware
- (00:10) Break
- (00:30) Unit 4: Overview and implementation of virtual tape, DVD, and optical device support
- (00:15) Exercise 3: Media devices and virtual tape
- (00:10) Break
- (01:00) Unit 5: Creating a simple backup control group

Day 2

- (00:30) Review
- (00:15) Unit 6: BRMS log
- (00:15) Exercise 4: Creating a basic backup control group using 5250 green screen
- (00:10) Break
- (00:25) Unit 7: Saving IFS data
- (00:25) Unit 8: Working with backup lists
- (00:10) Break
- (00:20) Exercise 6: Creating and using backup lists and saving to a save file
- (01:00) Lunch

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- (01:00) Unit 9: Parallel save, user exits, and save-while-active
- (00:30) Unit 10: Performing a backup and full system backup
- (00:10) Break
- (00:30) Unit 11: Other backup topics
- (00:20) Exercise 8: Creating a backup control group

Day 3

- (00:20) Review
- (00:20) Unit 12: Storage locations
- (00:10) Break
- (00:20) Exercise 10: Creating a storage location
- (00:15) Unit 13: Containers
- (00:25) Unit 14: Move management
- (00:20) Exercise 11: Move policies
- (00:10) Break
- (00:20) Unit 15: Media class
- (00:10) Exercise 12: Creating a media class
- (00:25) Unit 16: Media policies
- (01:00) Lunch
- (00:20) Exercise 13: Creating a media policy
- (01:30) Unit 17: Media topics
- (00:10) Break
- (01:30) Exercise 14: Running a backup using 5250 emulation

Day 4

- (00:20) Review
- (00:40) Exercise 15: Running a backup using BRMS Web Interface
- (00:15) Review exercises
- (00:10) Break
- (00:25) Unit 18: BRMS networking
- (00:20) Unit 19: Scheduling BRMS jobs
- (00:10) Break
- (00:20) Unit 20: Daily maintenance
- (00:25) Unit 21: BRMS reports
- (01:00) Lunch
- (01:00) Unit 22: Recovery
- (00:10) Break
- (00:30) Exercise 16: BRMS recovery capabilities
- (00:35) Unit 23: Tape duplication and label print
- (00:10) Break
- (00:30) Exercise 17: Tape duplication

Day 5

- (01:00) Unit 24: Functional usage
- (00:30) Unit 25: Archive
- (00:10) Break
- (00:30) Unit 26: Retrieval
- (00:25) Exercise 18: Archive/retrieve using 5250 emulation
- (00:40) Unit 27: BRMS Enterprise
- (01:00) Lunch

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- (00:30) Unit 28: Migration
- (00:25) Exercise 19: Migration using 5250 emulation
- (00:10) Break
- (00:30) Unit 29: IBM Cloud solutions with BRMS
- (00:20) Unit 30: Summary

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