

IBM Spectrum Scale - Remote Data Access

Code:	H008G
Length:	3 days
URL:	View Online

Enterprises and organizations are creating, analyzing and keeping more data than ever before. An organization's underlying storage must support new-era big data and artificial intelligence workloads along with traditional applications while ensuring security, reliability and high performance. IBM Spectrum Scale meets these challenges as a high-performance solution for managing data at scale. This new course covers IBM Spectrum Scale features that enable data-anywhere access that spans storage and locations to accelerate applications across the data center or around the world. Attendees should already know the basics of installing, configuring and managing a Spectrum Scale clustered file system and how to use the installer toolkit.

This course is intended for IT professionals tasked with administering a Spectrum Scale storage cluster consisting of Linux nodes. The course includes information on various Spectrum Scale features that enable remote access to the data that is stored in a cluster file system. This includes: multi-cluster support, clustered NFS, cluster export services (CES) and protocol support (NFS, SMB, Object, and block), Active File Management (AFM), and AFM-based Asynchronous Disaster Recovery (AFM DR). The features are described in lecture materials and implemented in lab exercises.

Skills Gained

- Configure a cluster to allow remote file system access
- Mount a Spectrum Scale file system from a remote cluster
- Implement Active File Management (AFM)
- Summarize AFM cache modes
- Describe AFM DR
- Differentiate AFM and AFM DR
- Implement AFM DR
- Describe and implement Clustered NFS (CNFS)
- Describe the Cluster Export Services (CES) architecture
- Implement CES protocols (NFS, SMB, Object, and block)
- Differentiate CNFS and CES NFS

Who Can Benefit

This lecture and exercise-based course is for individuals who want to configure a Spectrum Scale cluster to allow remote data access.

Prerequisites

Students must already know the basics of installing, configuring and managing a Spectrum Scale clustered file system. This prerequisite can be met by attending the following courses:

H005G - IBM Spectrum Scale Basic Administration for Linux and AIX

H006G - IBM Spectrum Scale Advanced Administration for Linux

Course Details

Course Outline

- Welcome and course introduction
- Unit 1: Spectrum Scale multi-cluster support
- Exercise 1: Configuring multi-cluster file system access
- Unit 2: Active File Management (AFM)
- Exercise 2: Configuring Active File Management (AFM)
- Unit 3: AFM-based Asynchronous Disaster Recovery (AFM DR)

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