

IBM Spectrum Scale - Remote Data Access

Course code: H008G

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.

Who is the course for

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

What we teach you

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

Required skills

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 outline

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Summarize AFM cache modes

Describe AFM DR

GOPAS Praha

Kodaňská 1441/46
101 00 Praha 10
Tel.: +420 234 064 900-3
info@gopas.cz

GOPAS Brno

Nové sady 996/25
602 00 Brno
Tel.: +420 542 422 111
info@gopas.cz

GOPAS Bratislava

Dr. Vladimíra Clementisa 10
Bratislava, 821 02
Tel.: +421 248 282 701-2
info@gopas.sk



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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

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info@gopas.cz

GOPAS Bratislava

Dr. Vladimíra Clementisa 10
Bratislava, 821 02
Tel.: +421 248 282 701-2
info@gopas.sk



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