IBM Storage Scale - Remote Data Access

Kód kurzu: 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 Storage Scale meets these challenges as a high-performance solution for managing data at scale. This new course covers IBM Storage 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 Storage Scale clustered file system and how to use the installer toolkit.This course is intended for IT professionals tasked with administering a Storage Scale storage cluster consisting of Linux nodes. The course includes information on various Storage 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.

Pro koho je kurz určen

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

Co Vás naučíme

- Configure a cluster to allow remote file system access
- Mount a Storage 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

Požadované vstupní znalosti

Students must already know the basics of installing, configuring and managing a Storage Scale clustered file system.

This prerequisite can be met by attending the following courses:

- H005G - IBM Storage Scale Basic Administration for Linux and AIX
- H006G - IBM Storage Scale Advanced Administration for Linux

Studijní materiály

Studijní materiál IBM.

Osnova kurzu

- 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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