

## IBM Spectrum Scale Advanced Administration for Linux

Varighed: 3 Days    Kursus Kode: H006G    Leveringsmetode: Company event (Firmakursus)

### Beskrivelse:

This course is intended for IT professionals tasked with administering a Spectrum Scale system. It includes information on installing, configuring and monitoring a Spectrum Scale cluster. This course replaces AN82G from Power brand.

#### Firmakursus

Med et firmakursus bliver jeres it-kompetenceudvikling målrettet jeres behov. Det betyder, at vi hjælper med at finde og sammensætte det helt rigtige kursusindhold og den helt rigtige form. Kurset kan afvikles hos os eller kunden, standard eller virtuelt.

### Målgruppe:

This advanced course is for IT professionals tasked with administering a Spectrum Scale system.

### Agenda:

- Migrate a GPFS 3.5 cluster to IBM Spectrum Scale 4.2
- Migrate an IBM Spectrum Scale 4.1 cluster to 4.2
- Describe and set up GUI interface
- Execute performance collection infrastructure
- Describe the IBM Spectrum Scale multi-cluster functionality, how to remote mount file systems, and the security configuration in a multi-cluster environment
- Describe, install, and configure Clustered Network File System (cNFS)
- Define, deploy, debug, and log Cluster Export Service (CES)
- Describe multi-protocol support
- Describe the Server Message Block (SMB) Protocol family and clients; solve and monitor SMB recovery scenarios; troubleshoot SMB
- Manage Ganesha default configuration change/list
- Manage exports in CES Network File System (NFS) and debug CES NFS
- Describe home and cache features
- List the various Active File Management (AFM) modes; create and manage an AFM relationship
- Define and introduce asynchronous disaster recovery (DR)
- List the recovery point objectives (RPOs) and failover options
- Describe the Spectrum Scale Disaster Recovery Architecture
- Describe the Linear Tape File System (LTFS) Enterprise Edition (EE) Introduction
- Describe the GPFS policy driven storage management
- Describe the HSM archival solution with LTFS EE
- Define how to create a file placement optimization (FPO) pool
- Describe using Spectrum Scale with Hadoop
- Identify the scenarios in which GPFS-FPO is applicable
- Define Share Nothing Architecture
- Describe the design and architecture of the Call Home feature and describe its functionality
- List the usage/advanced usage of the Call Home feature
- Describe GPFS Performance parameters and GPFS tuning considerations
- Monitor a GPFS cluster
- Describe flash cache capabilities
- Move metadata to flash cache

---

## Forudsætninger:

You should have taken:

- IBM Spectrum Scale Basic Administration for Linux (H005G)
- 

## Indhold:

Migrating to IBM Spectrum Scale 4.2	SMB Protocol Support	File Placement Optimizer
Spectrum Scale 4.2 GUI	NFS Support in CES; Ganesha overview/performance	IBM GPFS-FPO and integration with GPFS Hadoop connector
Multi-cluster	Active File Management	IBM Spectrum Scale Call Home
Clustered NFS	AFM-Based Disaster Recovery (DR) and Asynchronous DR	Monitoring and performance tuning
Cluster Export Services for multi-protocol support	Planning LTFS and GPFS environment for data archiving	Flash Cache metadata migration

---

## Flere Informationer:

For yderligere informationer eller booking af kursus, kontakt os på tlf.nr.: 44 88 18 00

[training@globalknowledge.dk](mailto:training@globalknowledge.dk)

[www.globalknowledge.com/da-dk/](http://www.globalknowledge.com/da-dk/)

Global Knowledge, Stamholmen 110, 2650 Hvidovre