IBM Storage Scale Advanced Administration for Linux

Duration: 3 Days Course Code: H006G Delivery Method: Virtual Classroom

Overview:

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.

Virtual Learning

This interactive training can be taken from any location, your office or home and is delivered by a trainer. This training does not have any delegates in the class with the instructor, since all delegates are virtually connected. Virtual delegates do not travel to this course, Global Knowledge will send you all the information needed before the start of the course and you can test the logins.

Target Audience:

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

Objectives:

- 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
- Identity 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

Prerequisites:

You should have taken:

- IBM Spectrum Scale Basic Administration for Linux (H005G)

Content:

Migrating to IBM Spectrum Scale 4.2

Spectrum Scale 4.2 GUI

Multi-cluster

Clustered NFS

Cluster Export Services for multi-protocol support

SMB Protocol Support

NFS Support in CES; Ganesha overview/performance

Active File Management

AFM-Based Disaster Recovery (DR) and Asynchronous DR

Planning LTFS and GPFS environment for data archiving

File Placement Optimizer

IBM GPFS-FPO and integration with GPFS Hadoop connector

IBM Spectrum Scale Call Home

Monitoring and performance tuning

Flash Cache metadata migration

Further Information:

For More information, or to book your course, please call us on 00 966 92000 9278

training@globalknowledge.com.sa

www.globalknowledge.com/en-sa/

Global Knowledge - KSA, 393 Al-Uroubah Road, Al Worood, Riyadh 3140, Saudi Arabia