IBM Spectrum Scale Advanced for Linux

Duration: 3 Days   Course Code: H006G

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.

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	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

Further Information:

For More information, or to book your course, please call us on 00 20 (0) 2 2269 1982 or 16142

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