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Monitoring the IBM Elastic Storage System

CODE:	DURÉE:	PRIX H.T.:
SSE12DG	1 Jours	€130.00

Description

This is a digital course with interactive digital labs.
The IBM Elastic Storage Server (ESS) is a big data storage system that combines Power servers, storage enclosures, and disks along with IBM Spectrum Scale and IBM Spectrum Scale RAID technology, providing analytic and technical computing storage and data services.

This online course provides an overview of the IBM Elastic Storage Server. It reviews benefits, features for protection from data loss, storage terms, hardware components, software components, and network considerations.

The course details the monitoring tasks to manage the Elastic Storage Server environment including working with the command line interface, working with graphical user interface, and to manage both file systems and filesets. It also reviews ESA support, disk replacement procedures, update procedures, and the data collection and contact procedures for IBM service and support.

Objectifs

After completing this course, you should be able to:
• Recall the data protection features used in IBM Elastic Storage Server
• Distinguish between traditional RAID and IBM Spectrum Scale RAID
• Compile the requirements for the IBM Elastic Storage Server solution
• Apply the GUI and CLI to manage an IBM Elastic Storage Server environment
• Recall the process to create and delete a file system and a fileset in an IBM Elastic Storage Server environment
• Summarize selected service processes to maintain and update the ESS

Audience

This is a base course for individuals who are involved in administering, configuring, upgrading, and monitoring the IBM Elastic Storage Server.

Prérequis

The following courses or equivalent knowledge is recommended prior to this course:
• Introduction to Storage *(SS01G)*
• IBM Spectrum Scale Basic Administration for Linux *(H005G)*

Programme

Objectives
Discuss the benefits for the IBM Elastic Storage Server
Assess the recoverability features of IBM Spectrum Scale RAID
Define the IBM Elastic Storage Server storage structure and terms
Unit 1: IBM Elastic Storage System Introduction [25 minutes]Paraphrase how data is protected in the IBM Elastic Storage Server
Topic 1.1 IBM Elastic Storage Server benefits (6 minutes)
Topic 1.2 IBM Spectrum Scale RAID features (4 minutes)
Topic 1.3 ESS storage structure and terms (8 minutes)
Topic 1.4 ESS data protection (5 minutes)   Unit 2: Define the ESS components [55 minutes]

Objectives
Summarize the ESS hardware   Topic 2.1: ESS hardware components (30 minutes)
Summarize the ESS software   Topic 2.2: ESS software components (15 minutes)
Identify the ESS network requirementsTopic 2.3: ESS networking considerations (8 minutes)
                                    Objectives
                                    Illustrate the CLI status commands for ESS hardware and configuration
                                    Relate how to manage ESS using the GUI
Unit 3: Monitor the ESS [1 hour, 15 minutes]Identify the mmvdisk command categories and their purpose
Topic 3.1: Monitor the ESS using the CLI (8 minutes)
Topic 3.2: Monitor the ESS using the GUI (5 minutes)
Exercise 3.2: Monitor ESS with CLI/GUI demonstrations (50 minutes)
Topic 3.3: mmvdisk command (12 minutes)

                                              Objectives
                                              Relate how to manage ESS file systems
Unit 4: IBM Manage ESS file systems and filesets [1 hour, 10 minutes]Relate how to manage ESS filesets
Topic 4.1 Manage ESS file systems (20 minutes)
• Introduction (5 minutes)
• Create file system (5 minutes)
• CLI: Define vdisk stanza file (3 minutes)
• GUI delete: Unmount file system (1 minute)
• CLI delete: Unmount file system (2 minutes)
• CLI expand: Review file system space (2 minutes)
• Summary (1 minute)
• Exercise 4.1: Manage ESS file systems demonstrations (30 minutes)
Topic 4.2 Manage ESS filesets (9 minutes)
• Introduction (2 minutes)
• Files management tasks (2 minutes)
• GUI custom: Create fileset (1 minute)
• CLI: Create fileset (1 minute)
• GUI: Delete fileset (1 minute)
• CLI: Unlike fileset (1 minute)
• Summary (1 minute)
• Exercise 4.2 Manage ESS filesets demonstrations (12 minutes)   Unit 5: Manage ESS service support [50 minutes]
Objectives
Summarize the call home support for ESS   Topic 5.1: Call home support for ESS [6 minutes]
Relate the disk replacement procedure for ESSTopic 5.2: ESS disk replacement procedure [9 minutes]
Paraphrase the update procedure for ESS   Topic 5.3: IBM ESS update procedure [minutes]
Summarize IBM service tools for ESS   Topic 5.4: IBM Service tools for ESS [5 minutes]   Lab demos are on:
• CLI / GUI Monitoring
• CLI / GUI File System
• CLI / GUI Filesets

Dates de session

Date	Lieu	Time Zone	Langue	Type	Garanti	PRIX H.T.
18 Aug 2022			English	Web based Training		€130.00

Informations
Complémentaires

Cette formation est également disponible sous forme de formation sur site. Veuillez nous contacter pour en savoir plus.