Enterprise Computing Solutions - Education Services

TRAINING OFFERING

You can reach us at:

9201 Dry Creek Rd. Centennial, CO 80112, United States

Email: arrow_learning@arrow.com
Phone: 303 790 2330

Monitoring the IBM Elastic Storage System

CODE:	LENGTH:	PRICE:
SSE12DG	8 Hours	$150.00

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.

Objectives

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.

Prerequisites

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

Unit 1: IBM Elastic Storage System Introduction [25 minutes]
ObjectivesDiscuss the benefits for the IBM Elastic Storage ServerAssess the recoverability features of IBM Spectrum Scale RAIDDefine the IBM Elastic Storage Server storage structure and termsParaphrase 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]
ObjectivesSummarize the ESS hardwareSummarize the ESS softwareIdentify the ESS network requirements
Topic 2.1: ESS hardware components (30 minutes)Topic 2.2: ESS software components (15 minutes)Topic 2.3: ESS networking considerations (8 minutes)
Unit 3: Monitor the ESS [1 hour, 15 minutes]
ObjectivesIllustrate the CLI status commands for ESS hardware and configurationRelate how to manage ESS using the GUIIdentify 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)
Unit 4: IBM Manage ESS file systems and filesets [1 hour, 10 minutes]

ObjectivesRelate how to manage ESS file systemsRelate 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]
ObjectivesSummarize the call home support for ESSRelate the disk replacement procedure for ESSParaphrase the update procedure for ESSSummarize IBM service tools for ESS
Topic 5.1: Call home support for ESS [6 minutes]Topic 5.2: ESS disk replacement procedure [9 minutes]Topic 5.3: IBM ESS update procedure [minutes]Topic 5.4: IBM Service tools for ESS [5 minutes]
Lab demos are on:• CLI / GUI Monitoring• CLI / GUI File System• CLI / GUI Filesets

Session Dates

Date	Location	Time Zone	Language	Type	Guaranteed	PRICE
17 Apr 2023			English	Web based Training		$150.00

Additional Information

This training is also available as onsite training. Please contact us to find out more.