



GST11G - IBM Cloud Object Storage - Implementation and Administration

Overview

Course Code	GST11G	Duration	2.0 days
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This course will provide a technical introduction to deployment and operation of the on-premise IBM Cloud Object Storage product. Topics covered include an overview of the product, installation, operations, troubleshooting, and integration with other IBM products including Spectrum Protect.

Audience

The audience for this course is the administrator required to deploy, maintain, and support IBM Cloud Object Storage as an on-premise or hybrid cloud solution. Integration with Spectrum Protect assumes prior knowledge of that product.

Enrollment in this course is not restricted. Typical students may include:

- Customers
- Technical IBM personnel
- Business Partner technical personnel
- IT consultants and architects

Pre-Requisites

The course assumes basic knowledge of TCP/IP, networking, operating systems, computer security, and storage.

No prior knowledge of Object Storage or IBM Cloud Object Storage is required.

For Spectrum Protect integration, take course

- *IBM Spectrum Protect 7.1.4 Implementation and Administration* ([TS615G](#)) or digital ([TS615DG](#))

Key Topics

o Day 1

Course Administration and Introduction

Unit 1: Introduction

No Exercises

Unit 2: Planning and Architecture

Exercise 1: Logging on to the console system

Exercise 2: Testing IP connectivity in the lab environment

Unit 3: Installation and Initial Configuration

Exercise 1: Configuring the Manager

Exercise 2: Configuring the Accesser

Exercise 4: Accessing the system web user interface and accessing help

Exercise 5: Performing the initial configuration of the system

Exercise 6: Approving new devices

Exercise 7: Creating a Storage Pool

Exercise 8: Creating a Vault

Exercise 9: Creating an Access Pool

Exercise 10: Creating a User

Exercise 11: Granting access to a Vault

Exercise 12: Testing writing to a Vault

Exercise 13: Testing reading to a Vault

o Day 2

Unit 4: Administration and Maintenance

Exercise 1: Backing up the Manager

Exercise 2: Restoring the Manager

Exercise 3: Upgrading the Manager

Exercise 4: Upgrading Accessers and Slicestors

Exercise 5: Changing the Web User Interface and timezone preferences

Exercise 6: Updating error and warning thresholds on individual Slicestors

Exercise 7: Validating the upgrade

Unit 5: Monitoring and Troubleshooting

Exercise 1: Simulating the loss of a disk drive

Exercise 2: Generating data

Exercise 3: Reviewing the device summary and monitoring open incidents

Exercise 4: Searching the event console

Exercise 5: Exploring Manager graphs
Exercise 6: Resuming a disk drive
Exercise 7: Monitoring the rebuilder process
Exercise 8: Reviewing the Vault Summary and other Reports

Unit 6: Spectrum Protect Integration

Exercise 1: Configuring a Vault and Vault Template
Exercise 2: Setting the Vault Template as the default for your system
Exercise 3: Configuring the Spectrum Protect User
Exercise 4: Configuring the Spectrum Protect Storage Pool
Exercise 5: Configuring the default storage pool for the standard management class
Exercise 6: Testing Spectrum Protect with Object Storage
Exercise 7: Reviewing storage used, compression and deduplication rates

Objectives

- Understand the benefits of IBM Cloud Object Storage
- Plan the architecture and configuration of IBM Cloud Object Storage
- Install IBM Cloud Object Storage and perform initial configuration of an on-premise object storage vault
- Perform IBM Cloud Object Storage daily administrative tasks
- Monitor and troubleshoot an IBM Cloud Object Storage on-premise system
- Use IBM Cloud Object Storage as a Spectrum Protect container storage pool