



## IBM Cloud Object Storage - Implementation and Administration Information

**Length:** 16.0 Hours  
**Ref:** GST11G  
**Delivery method:** Classroom  
**Price:** AUD

### Overview

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.

### Public

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

### Prerequisites

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)*

### Objective

- 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

## 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