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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