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Introduction to Data Storage Subsystems  
Information

**Length:** 2.0 Days  
**Ref:** SS05G-X  
**Delivery method:** Classroom  
**Price:** EUR

Overview

Learn about the architecture associated with z/OS data storage devices and covers the media characteristics of direct access storage devices, storage controllers, tape subsystems and their associated host connectivity. In addition, this course explains the basics of disk performance and some of the available solutions.

This course contains prerequisite information for further z/OS storage training in specialized areas such as storage administration, storage subsystem configuration, and system measurement and tuning.

Public

This basic course would be beneficial to anyone who needs the basic knowledge and fundamental concepts associated with data storage devices for z/OS. In particular, storage administrators, system programmers, and operations staff who are responsible for developing storage management techniques or who need to understand issues associated with storage management.

Prerequisites

You should have basic knowledge of:

- z/OS terminology and concepts

Objective

- Understand the issues with magnetic media recording
- Understand basic disk and tape physical record architecture
- Correlate data set formats and organization with supported access methods and media
- Understand the elements that impact I/O
- Understand the function and benefit of intelligent controllers
- Explain some of the performance related solutions
- Understand I/O connectivity solutions on z/OS
- Discuss some of the availability features of z/OS
- Identify the role of tape and virtual tape libraries in the storage hierarchy

## Topics

### Day 1

- Unit 1: Direct access storage device hardware overview
- Unit 2: Direct access storage device response time
- Unit 3: System z I/O connectivity
- Unit 4: Cache and other enhancements

### Day 2

- Unit 5: Introduction to array direct access storage devices
- Unit 6: IBM enterprises storage:
- Unit 7: Availability features
- Unit 8: Tape storage
- Unit 9: Virtual tape and Virtualization Engine
- Unit 10: TS7680 and ProtecTIER overview