

IBM Storwize V7000 Unified Implementation Workshop

SSG0G



Delivery Type: Classroom

Duration: 4 days

Overview

IBM Storwize V7000 Unified is a virtualized storage system designed to consolidate block and file workloads into a single storage system for simplicity of management, reduced cost, highly scalable capacity, performance and high availability. IBM Storwize V7000 Unified Storage also offers improved efficiency and flexibility through built-in solid state drive (SSD) optimization, thin provisioning and non-disruptive migration of data from existing storage. The system can virtualize and reuse existing disk systems offering a greater potential return on investment.

The course will focus on planning and implementation of integrating the Storwize V7000 Unified system into a network environment. Both file and block level protocols will be covered with the focus on provisioning storage to network hosts via NFS, CIFS, HTTP and FTP. Included will be file management functions, including Information Lifecycle Management (ILM), tools for backup and antivirus functions, and system management.

This course covers the features unique to the Storwize V7000 Unified product but does not cover the features common to the Storwize V7000 and Storwize V7000 Unified products. The functions of the Storwize V7000 product are covered in course IBM Storwize V7000 Implementation Workshop (SSE1GB).

Pre-Requisites

You should complete:

- ✓ Storage Area Networking Fundamentals (SN712GB)
- ✓ or have equivalent knowledge
- ✓ You should have:
- ✓ a basic understanding of concepts associated with open systems disk storage systems and I/O operations

Objectives

- ✓ Set up and configure the Storwize V7000 Unified file and block-level modules using the InitTool and EZsetup.
- ✓ Install and cable control enclosures, expansion enclosures and file modules.

- ✓ Utilize Storwize V7000 Unified management interfaces (GUI and CLI) to support the networked storage environment; create file systems, file sets and shares to provision storage via CIFS, NFS, HTTP and FTP.
- ✓ Establish ILM policies to define file allocation in storage pools and rules for migration based on file attributes.
- ✓ Implement snapshots to support data recovery of file systems and file sets.
- ✓ Define quotas and access control lists to manage storage growth and security in the environment.
- ✓ Create backups via TSM and NDMP and perform virus detection for data resiliency.
- ✓ Create RAID arrays using internal Storwize V7000 storage and manage drive use attributes
- ✓ Update zoning policies to enable the Storwize V7000 to access SAN attached external storage.
- ✓ Define and manage storage pools using internal Storwize V7000 storage as well as SAN attached external storage
- ✓ Utilize Easy Tier to optimize the utilization of solid state drives on block-level volumes
- ✓ Target Audience
- ✓ This intermediate course is for individuals who assess or plan to deploy the IBM Storwize V7000 Unified file capabilities.

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