



# IBM SAN Volume Controller (SVC) Planning and Implementation Workshop (SNV1G)

Course ID #: 0376-200-SNV1G-W

Hours: 28

## Course Content

### Course Description:

This course is designed to leverage SAN storage connectivity by integrating a layer of intelligence in virtualization. The SAN Volume Controller (SVC) facilitates storage application data access independence from storage management functions and requirements. This focus is on planning and implementation tasks associated with integrating the SVC into the storage area network.

### Course Objectives:

After completing this course, you should be able to:

- Centralize storage provisioning to host servers from common storage pools.
  - Improve storage optimization and efficiency through Thin Provisioning, Data Reduction and Compression
  - Implement storage tiering and optimize flash drives and storage usage with Easy Tier
  - Facilitate the coexistence and migration of data from non-virtualized to the virtualized environment.
  - Utilize network-level storage subsystem-independent data replication services to satisfy backup and disaster recovery requirement.

### Target Audience:

This intermediate lecture and exercise-based course is for individuals who are assessing and/or planning to deploy networked storage virtualization solutions.

### Prerequisites:

Introduction to Storage - ([SS01G](#))

Storage Area Networking Fundamentals - ([SN71G](#))

Storage Area Networking Fundamentals - ([SN71DG](#))

The following courses are required prior to this class:

- Introduction to Storage ([SS01G](#))
- Storage Area Networking Fundamentals ([SN71G](#)) or ([SN71DG](#)) or equivalent experience

A basic understanding on the concepts of open systems, disk storage systems and I/O operations.



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## Topics:

- IBM SAN Volume Controller – Introduction
- IBM SAN Volume Controller - Hardware architecture
- IBM SAS-Attached storage
- IBM SVC RAID protection solutions
- IBM SVC System – scaling
- IBM SVC System - Installation and management access
- IBM Spectrum Virtualize - Storage provisioning
- IBM Spectrum Virtualize - Volume allocation
- IBM Spectrum Virtualize - Host integration
- IBM Spectrum Virtualize - Data reduction technologies
- IBM Spectrum Virtualize - Easy Tier
- IBM Spectrum Virtualize - Data migration
- IBM Spectrum Virtualize - FlashCopy and Consistency group
- IBM Spectrum Virtualize - Remote data replication
- IBM Spectrum Virtualize - Administration management
- IBM Storage Insights