



Enterprise Computing Solutions - Education Services

TRAINING OFFERING

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IBM Storwize V7000 Implementation Workshop

CODE:	LENGTH:	PRICE:
SSE1G	32 Hours (4 days)	\$3,200.00

Description

This course is designed to leverage SAN storage connectivity by integrating a layer of intelligence of virtualization, the IBM Storwize V7000 to facilitate storage application data access independence from storage management functions and requirements. The focus is on planning and implementation tasks associated with integrating the Storwize V7000 into the storage area network. It also explains how to:

- Centralize storage provisioning to host servers from common storage pools using internal storage and SAN attached external heterogeneous storage.
- Improve storage utilization effectiveness using Thin Provisioning and Real-Time Compression
- Implement storage tiering and optimize solid state drives (SSDs) or flash systems usage with Easy Tier.
- Facilitate the coexistence and migration of data from non-virtualization to the virtualized environment.
- Utilize network-level storage subsystem-independent data replication services to satisfy backup and disaster recovery requirements.
- This course lecture offering is at the Storwize V7000 V7.6. level.

Objectives

After completing this course, you should be able to:

- Outline the benefits of implementing an Storwize V7000 storage virtualization solution.
- Differentiate between the Storwize V7000 2076-524 control enclosure and the 2076-312/324 expansion enclosure models.
- Outline the physical and logical requirements to integrate the Storwize V7000 system solution.
- Implement the Storwize V7000 GUI and CLI system setup to configure the V7000 systems.
- Summarize the symmetric virtualization process to convert physical storage into virtual storage resources.
- Implement volume allocations and map volumes to SAN attached host systems.
- Summarize the advanced system management strategies to maintain storage efficiency, enhance storage performance and reliability.
- Employ data migration strategies to the virtualized Storwize V7000 system environment.
- Implement Copy Services strategies to managed Storwize V7000 system environment remotely
- Employ administration operations to maintain system ability.

Audience

This intermediate course is for individuals who assess or plan to deploy the IBM Storwize V7000 and leverage storage network virtualization solutions.

Prerequisites

You should have completed:

- *Introduction to Storage (SS01G)*
- *Storage Area Networking Fundamentals (SN71G)*

or equivalent knowledge You should:

- Have a basic understanding of concepts associated with open systems, disk storage systems, **and** I/O operations.

Programme

Welcome

Unit 1: Introduction to IBM Storwize V7000

Unit 2: Storwize V7000 hardware architecture

Unit 3: Storwize V7000 planning and zoning requirements

Unit 4: Storwize V7000 system initialization and user authentication

Unit 5: Storwize V7000 storage provisioning

Exercise 1: Storwize V7000 system initialization

Exercise 2: Storwize V7000 system configuration

Exercise 3: Configure user authentication

Exercise 4: Provision internal storage

Day 1 Exercise 5: Examine external storage resources

Review

Unit 8: Spectrum Virtualize data migration

Unit 9: Spectrum Virtualize Copy Services: FlashCopy

Unit 10: Spectrum Virtualize Copy Services: Remote Copy

Exercise 11: Volume dependencies and tier migration

Exercise 12: Reconfigure internal storage: RAID options

Exercise 13: Thin provisioning and volume mirroring

Exercise 14: Migrate existing data: Import Wizard

Day 2

Review

Unit 6: Storwize V7000 host and volume allocation

Unit 7: Spectrum Virtualize advanced features

Exercise 6: Managing external storage resources

Exercise 7: Host definitions and volume allocations

Exercise 8: Access storage from Windows and AIX

Exercise 9: Hybrid pools and Easy Tier

Exercise 10: Access Storwize V7000 through iSCSI host

Day 3

Review

Unit 11: Storwize V7000 administration management

Exercise 15: Copy Services: FlashCopy and consistency groups

Exercise 16: User roles and access

Exercise 17: Migrate existing data: Migration Wizard

Exercise 18: Easy Tier and STAT analysis

Day 4 Class review and evaluation

Further Information

Prior to enrolling, IBM Employees must follow their Division/Department processes to obtain approval to attend this public training class. Failure to follow Division/Department approval processes may result in the IBM Employee being personally responsible for the class charges.

GBS practitioners that use the EViTA system for requesting external training should use that same process for this course. Go to the EViTA site to start this process: <http://w3.ibm.com/services/gbs/evita/BCSVTEnr1.nsf>

Once you enroll in a GTP class, you will receive a confirmation letter that should show: The current GTP list price

The 20% discounted price available to IBMers. This is the price you will be invoiced for the class.

Session Dates

On request. Please [contact us](#)

Additional Information

[This training is also available as onsite training. Please contact us to find out more.](#)