IBM Storwize V7000 Implementation Workshop

Duration: 4 Days   Course Code: SSE1G   Delivery Method: Virtual Learning

Overview:

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 CompressionImplement 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.

Virtual Learning

This interactive training can be taken from any location, your office or home and is delivered by a trainer. This training does not have any delegates in the class with the instructor, since all delegates are virtually connected. Virtual delegates do not travel to this course, Global Knowledge will send you all the information needed before the start of the course and you can test the logins.

Target Audience:

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

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.

Prerequisites:

You should have:

- Completed Introduction to Storage Networking or Storage Area Networking Fundamentals (SN71G) or have equivalent knowledge.
- Basic understanding of concepts associated with open systems

disk storage systems and I/O operations

Content:

Day 1

- 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
- Exercise 5: Examine external storage resources

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
- Exercise10: Access Storwize V7000 through iSCSI host

Day 3

- 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 4

- Review
- Unit 11: Storwize V7000 administration managemen
- tExercise 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
- Class review and evaluation

Additional Information:

Official course book

Further Information:

For More information, or to book your course, please call us on 0800/84.009

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