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IBM Storwize V7000 Implementation Workshop
Information

Length: 32.0 Hours
Ref: SSE1G □
Delivery method: Classroom
Price: AUD

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 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.

Public

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.

Topics

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
- Exercise 10: 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 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

Class review and evaluation

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