IBM FlashSystem V9000 Storage Implementation

Duration: 4 Days   Course Code: SSFS3G   Delivery Method: Maatwerk

Overview:

IBM FlashSystem V9000 is a comprehensive all-flash enterprise storage solution that delivers the full capabilities of IBM FlashCore technology. FlashSystem V9000 offers a rich set of storage virtualization features designed to improve efficiency, management, scalability and flexibility for any storage environments. FlashSystem V9000 delivers industry-leading value to enterprises along three dimensions: Scalable Performance, Enduring Economics, and Agile Integration.
This course focuses on the planning and implementation tasks associated with integrating the FlashSystem V9000 into the storage area network, and facilitate storage application data access independence from storage management functions and requirements.
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 optimization of flash, enterprise or nealine 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.

Maatwerk

Global Knowledge biedt zowel standaard- als maatwerkcursussen die zijn afgestemd op uw wensen en die als besloten cursus op uw eigen locatie of onze locatie gevolgd kunnen worden.

Target Audience:

This lecture and exercise-based course is for individuals who are assessing and/or planning to deploy IBM System Storage networked storage virtualization solutions. Enrollment in this course is not restricted. Typical students may include: Customers Technical IBM personnel Business Partner technical personnel IT consultants and architects

Objectives:

- After completing this course, you should be able to:

- Outline the benefits of implementing an FlashSystem V9000 all-flash storage virtualization solution.

- Differentiate between the FlashSystem V9000 9846-AC3 control enclosure and the 9846-AE2 expansion enclosure models.

- Outline the physical and logical requirements to integrate the FlashSystem V9000 system solution.

- Implement the FlashSystem V9000 GUI and CLI system setup to configure the V9000 all-flash 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 FlashSystem V9000 system environment.

- Employ administration operations to maintain system ability.

Prerequisites:

- Introduction to Storage (SS01G)
- Storage Area Networking Fundamentals (SN71) or equivalent experience
- An understanding of the basic concepts of open systems disk storage system and I/O operations

Content:

Day 1	Day 2	Exercise 10: V9000 data pool migration
Welcome	Unit 6: FlashSystem V9000 storage provisioning	Exercise 11: Migrate existing data with Import Wizard GUI
Unit 1: IBM FlashSystem V9000 Introduction	Unit 7: FlashSystem V9000 host and volume administration	Exercise 12: Migrate existing data with Migration Wizard
Unit 2: Emergence of flash storage		
Unit 3: IBM FlashCore Technology	Unit 8: FlashSystem V9000 advanced features	Exercise 13: Migrate existing data with Import Wizard CLI
Unit 4: IBM FlashSystem V9000 hardware architecture	Exercise 05: Managing external storage resources	Day 4
Unit 5: FlashSystem V9000 installation and configuration	Exercise 06: Host definitions and volume allocations	Unit 11: FlashSystem V9000 administration management
Exercise 00: Lab environment overview	Exercise 07: Access V9000 storage from host servers	Exercise 14: Real-time Compression and IBM Comprestimator
Exercise 01: System initial configuration with Service Assistant	Exercise 08: Thin Provision and Volume Mirroring	Exercise 15: FlashCopy and consistency groups
Exercise 02: FlashSystem V9000 System Setup	Exercise 09: Easy Tier Hybrid pool implementation	Exercise 16: FlashCopy Snapshot monitoring user roles and access
Exercise 03: System user authentication	Day 3	Exercise 17: Easy Tier and STAT analysis Class Review and Evaluation
Exercise 04: Provision internal storage	Unit 9: Spectrum Virtualize data migration	
	Unit 10: Spectrum Virtualize Copy Services	

Further Information:

For More information, or to book your course, please call us on 030 - 60 89 444

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