

## IBM FlashSystem V9000 Storage Implementation

**Duration: 4 Days    Course Code: SSFS3G    Delivery Method: Virtual Learning**

### 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 focus 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 nearline 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 FlashSystem V9000 V8.1 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 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 this course participants should be able to:
- Summarize the units associated with this course.
- Recall the history and fundamentals for IBM FlashSystem storage.
- Distinguish the core principles of the IBM FlashCore Technology.
- Classify the characteristics and components of the IBM FlashSystem V9000 system.
- Outline the physical and logical planning required to install and configure a FlashSystem system environment.
- Summarize the symmetric virtualization process for converting physical storage space into virtual resources.
- Recall the process to create host access storage on the IBM FlashSystem V9000.
- Determine the advanced software features designed to simplify data management, reclaim storage space, and preserve storage investments.
- Differentiate methods in which to migrate data to and from the virtualized FlashSystem V9000 system environment.
- Summarize the methods of remote data replications for disaster recovery
- Recall the administrative functions and maintenance procedures to centralize the management and servicing of IBM FlashSystem V9000 storage resources.

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## Prerequisites:

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

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|----------------------------------------------------|-------------------------------------------------------|------------------------------------------------------------|
| ■ IBM FlashSystem V9000 introduction               | ■ FlashSystem V9000 storage provisioning              | ■ IBM Spectrum Virtualize FlashCopy and Contingency groups |
| ■ Emergence of flash storage                       | ■ IBM Spectrum Virtualize host integration            | ■ IBM Spectrum Virtualize Transparent Cloud Tiering        |
| ■ IBM FlashCore technology                         | ■ IBM Spectrum Virtualize volume allocation           | ■ IBM Spectrum Virtualize remote data replication          |
| ■ IBM FlashSystem V9000 hardware architecture      | ■ IBM Spectrum Virtualize data reduction technologies | ■ IBM Spectrum Virtualize administration management        |
| ■ FlashSystem V9000 installation and configuration | ■ Maintaining storage efficiency with IBM Easy Tier   |                                                            |
| ■ IBM Spectrum Virtualize RAID protection          | ■ IBM Spectrum Virtualize data migration              |                                                            |
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## Additional Information:

Official course book shared with participants

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## Further Information:

For More information, or to book your course, please call us on 00 20 (0) 2 2269 1982 or 16142

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