IBM FlashSystem Fundamentals

Course code: SSFS1G

This course introduces the fundamentals of IBM FlashSystems, including flash technology, FlashCore Modules, and the IBM FlashSystem family. Learners will gain an understanding of how flash architecture delivers high performance, efficiency and reliability for modern workloads. The course explores IBM FlashSystem storage powered by IBM Storage Virtualize, including key software capabilities such as data reduction, FlashCopy, replication, safeguarded copy, policy-based protection, and hybrid cloud integration. Learners will also review use cases, configuration concepts, monitoring, and resilience features. With data growth accelerating and demands increasing across AI, analytics, cloud and mission-critical applications, FlashSystem helps organizations consolidate storage, increase performance, reduce latency, lower power and space consumption, and simplify management. By the end of this course, participants will understand how IBM FlashSystem improves infrastructure efficiency and enables scalable, resilient and cloud-ready data environments.

Who is the course for

Enrollment in this course is not restricted. Typical students may include:

- Customers
- Technical IBM personnel
- Business Partner technical personnel
- IT consultants and architects

What we teach you

- Explain flash storage fundamentals, including NAND technology, FlashCore Modules, and advantages of flash over traditional disk
- Identify the IBM FlashSystem portfolio, where each system fits, and common use cases for enterprise applications and workloads
- Describe the role of IBM Storage Virtualize, including virtualization, data reduction, copy services, resilience and hybrid cloud integration
- Recognize key features and components of IBM FlashSystem 5300, including hardware design, configuration options, and host connectivity
- Use the FlashSystem GUI at a basic level, including navigating storage pools, monitoring capacity, and accessing features such as Safeguarded Copy and policy-based replication

Required skills

You should have a basic understanding of data storage in enterprise environments. You may want to consider taking:

- SS01G: Introduction to Storage

Course outline

- Course Administration and Introduction (00:15)
- Unit 1: Flash Storage Overview (01:45)
- Unit 2: IBM FlashSystem Portfolio (01:00)
- Unit 3: IBM Storage Virtualize for FlashSystem (01:00)
- Unit 4: IBM FlashSystem 5300 (01:30)
- Unit 5: Video demonstrations (01:15)

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