

EMC Storage Technology Foundations Focuses on Key Concepts and Principles

1. Introduction to Storage Technology

This section reviews data: what it is, who is producing it, how much is being produced, and how critical it is to a business's success. It introduces the core elements of a data center infrastructure; and describes the role of each element in supporting ongoing business activities.

2. Storage Systems Architecture

In this segment, you will learn about the hardware and software components of a host environment and define key protocols and concepts. Delving further, you will learn about the different RAID levels and their suitability for different application environments. This segment also introduces integrated and modular storage systems; and the workings of an intelligent storage system.

3. Introduction to Networked Storage

The evolution of networked storage leads this segment. You'll learn about the architecture, components, and topologies of different networked storage options; and will learn about content-addressed storage (CAS), a long-term archiving solution.

4. Information Availability

This segment emphasizes the impact of downtime. You will learn to differentiate between business continuity and disaster recovery; and to identify single points of failure in a storage infrastructure. You will have an opportunity to identify potential solutions to address and prevent these failures. Additionally, you'll learn about remote and local replication technologies.

5. Managing and Monitoring

Focusing on the data center, you will learn about industry standards for data center monitoring and management. You will identify key monitoring metrics for different components in the storage infrastructure and review key data center management tasks.

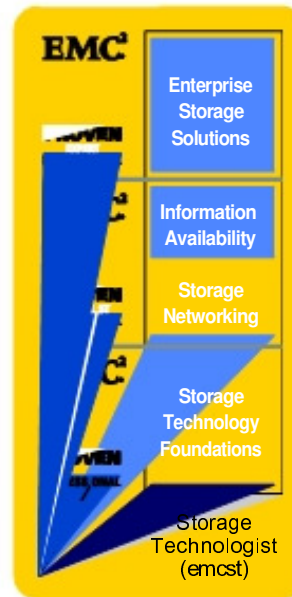
6. Information Security and Storage Virtualization

In this segment, you will learn about the critical security attributes for information systems. You will identify storage security domains and list and analyze common threats. Then, moving on to storage virtualization, you will identify different virtualization technologies and learn about block- and file-level virtualization technologies and processes.

Ready for the Next Step?

Now that you've had an opportunity to learn a little bit about the great opportunities in the IT storage industry, and the exclusive benefits you can earn by completing the Storage Technology Foundations course and successfully earning an EMC Proven Professional certification, why wait?

Enroll today to get started.



When you complete the Storage Technology Foundations course, visit www.emc.com/certification to learn more about how to get certified.

NETD TRAINING

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EMCStorage Technology Foundations



Information explosion creates new opportunities for IT professionals

In just ten short years, more than one million new storage professionals will be needed to manage the explosion of digital data.

We can prepare you for a successful career in the rapidly growing and dynamic information management and storage industry.

Start now! Prepare, learn, certify.

The IT Industry

“The unprecedented explosion of data, its increasing criticality, and business’ dependency on digitized information are leading to larger and more complex storage environments that are increasingly challenging to manage.”¹

This conclusion resulted from a recent survey of over 1,200 global IT managers who shared how they are planning to meet this challenging requirements.

The lack of skilled storage professionals ranks high on the list of items that keeps these managers awake at night. In fact, 30 percent reported difficulty identifying, recruiting, and hiring skilled storage professionals.

The industry is growing at a furious pace; 80 percent of companies have multi-site data processing environments, another 80 percent are consolidating their storage.

Storage professionals are needed to:

- Store data more intelligently
- Secure critical data and information assets
- Automate data center operations
- Implement next-generation backup, recovery, and archiving
- Virtualized information infrastructures

Shrivastava, Alok. *Managing Storage: Trends, Challenges, and Options* (2007-2008). EMC, 2007

Why Work in the Storage Industry?

- The industry forecasts a 57 percent annual information growth rate.
- Hiring managers prefer to hire educated, certified storage professionals.
- There is a growing storage knowledge gap that is preventing the industry from meeting anticipated demand.
- 30 to 40 percent of United States IT workers may retire in the next ten years.
- In one word, opportunity.

Getting Started—Storage Technology Foundations (STF)

The Storage Technology Foundations course is the first course in the EMC Proven Professional Storage Technologist track. You will learn about concepts and principles—not about products.

You will consider the architectures, features, and benefits of intelligent storage systems; networked storage topologies such as FC-SAN, NAS, and IP-SAN; long-term archiving solutions such as content-addressed storage (CAS); the increasingly critical area of information security, and the emerging field of storage virtualization technologies.

