

Days: 5

Prerequisites: CompTIA A+ certified or equivalent knowledge. Two years of hands-on experience working in a server environment.

Audience: This course is designed for IT professionals such as PC, desktop, and help desk technicians who have experience supporting PC hardware who wish to make the transition to become server hardware and support specialists. This course is also designed for existing server managers who are preparing to take the exam.

Description: Server administrators are in high demand, with the U.S. Bureau of Labor Statistics projecting a steady growth in employment for network and computer systems administrators. The CompTIA Server+ Certification course (exam code: SK0-005) is designed to equip you with the essential server administration skills needed to manage and maintain server hardware, software, storage, and virtualization technologies across data center, hybrid, and on-premise environments. This certification training prepares IT professionals with the hands-on skills and theoretical knowledge to pass the certification exam and thrive in real-world infrastructure roles.

Course Objectives: This course provides you with a thorough understanding of server architecture, administration, storage systems, security protocols, and troubleshooting techniques. By the end of the training, you'll be adept at installing, configuring, and managing server hardware and software, implementing virtualization and cloud computing solutions, ensuring robust security measures, and effectively troubleshooting common server-related issues.

OUTLINE:

UNDERSTANDING SERVER ADMINISTRATION CONCEPTS

- Explore the fundamentals of server roles and responsibilities.
- Discuss server hardware components and their functions.

VIRTUALIZATION AND CLOUD COMPUTING

- Understand virtualization concepts and benefits.
- Examine cloud computing models and deployment strategies.

PHYSICAL AND NETWORK SECURITY CONCEPTS

- Implement physical security measures to protect server infrastructure.
- Apply network security protocols to safeguard data integrity.

MANAGING PHYSICAL ASSETS

- Develop strategies for inventory management and asset tracking.

- Ensure compliance with organizational policies and regulations.

MANAGING SERVER HARDWARE

- Install and configure server components and peripherals.
- Perform routine maintenance and hardware upgrades.

CONFIGURING STORAGE MANAGEMENT

- Implement various storage solutions, including RAID configurations.
- Manage storage capacity and performance optimization.

INSTALLING AND CONFIGURING AN OPERATING SYSTEM

- Deploy server operating systems and configure initial settings.
- Integrate drivers and essential software applications.

CompTIA Server+ Certification

TROUBLESHOOTING OS, APPLICATION, AND NETWORK CONFIGURATIONS

- Diagnose and resolve common operating system issues.
- Troubleshoot application errors and network connectivity problems.

MANAGING POST-INSTALLATION ADMINISTRATIVE TASKS

- Set up user accounts and permissions.
- Configure server roles and services to meet organizational needs.

MANAGING DATA SECURITY

- Implement encryption and access control measures.
- Develop data backup and recovery plans.