

CompTIA Server+

Duration: 5 days; Instructor-led

WHAT YOU WILL LEARN

The *CompTIA® Server+® (Exam SK0-004)* course builds on your existing professional experience with personal computer hardware support to present the next tier of skills and concepts that you will use on the job when administering any type of network server. If your job duties include server troubleshooting, installation, or maintenance, or if you are preparing for any type of network server-related career, it provides the primary knowledge and skills you will require to be successful. The *CompTIA® Server+® (Exam SK0-004)* course can also benefit you if you are preparing to take the CompTIA Server+ examination (Exam SK0-004).

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 CompTIA Server+ Exam SK0-004.

PREREQUISITES

To ensure your success in your course you should have 18 to 24 months of hands-on experience with installation, configuration, diagnosis, and troubleshooting of PC hardware and network operating system issues. It is also recommended that you have the CompTIA A+ certification or the equivalent training and experience.

METHODOLOGY

This program will be conducted with interactive lectures, PowerPoint presentation, discussion and practical exercise.

COURSE OBJECTIVES

Upon successful completion of this course, you will be able to perform the duties of a server administrator.

In this course, you will:

- Manage server hardware.
- Install server hardware and operating systems.
- Configure networking hardware and protocols.
- Create a virtual server environment.
- Perform basic server configuration tasks.
- Administer servers.
- Implement server storage solutions.
- Secure the server.
- Plan and test disaster recovery.
- Troubleshoot server issues.

OUTLINES

Module 1: Managing Server Hardware

- Server Components
- Server Power
- Server Cooling
- Asset Management

Module 2: Installing a Server

- Prepare an Installation Plan
- Prepare the Server Hardware
- Set Up the Server Hardware
- Install an Operating System

Module 3: Configuring Networking

- Manage Network Cabling
- Configure Network Interface Cards
- Implement IP Addressing and Network Infrastructure Services

Module 4: Creating a Virtual Environment

- Create Virtual Servers
- Create Virtual Switches

Module 5: Performing Basic Server Configuration

- Configure Local Server Properties

- Configure Server Roles
- Set Up IP Addressing Service Roles

Module 6: Administering the Server

- Update the Server
- Server Administration Access and Control Methods
- Create Service Level Agreements
- Monitor Server Performance

Module 7: Implementing Storage Solutions

- Perform Capacity Planning
- Deploy Primary Storage Devices
- Storage Technologies
- Configure RAID

Module 8: Securing the Server

- Configure Firewalls
- Configure Security Protocols
- Implement Intrusion Detection Systems
- Implement Logical Access Control Methods
- Implement Data Security Methods
- Apply Server Hardening Techniques
- Implement Physical Security
- Create Virtual Networks

Module 9: Planning and Testing Disaster Recovery

- Implement Environmental Controls
- Manage Documentation for the Server and the Network
- Create A Disaster Recovery Plan
- Perform Backup and Restoration

Module 10: Troubleshooting Server Issues

- Troubleshoot Theory and Methods
- Troubleshoot Hardware Issues
- Troubleshoot Software Issues
- Troubleshoot Networking Issues
- Troubleshoot Storage Issues
- Troubleshoot Security Issues

Appendix A: Taking the Exams

Appendix B: Mapping Course Content to CompTIA® Server+® Exam (SK0-004)