

[CT-Server+]: CompTIA® Server+® (Exam SK0-004)

Length : 5 Days
Delivery Method : Instructor-led (Classroom)

Course Overview

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

Audience Profile

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.

At Course Completion

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

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

Pre-Requisites

To ensure participants success in their course participants 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 participants

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have the CompTIA A+ certification or the equivalent training and experience. Participants can obtain this level of skills and knowledge by taking the following Logical Operations courses:

- CompTIA® A+ Certification: A Comprehensive Approach
- CompTIA® Network+®

Module 1: Managing Server Hardware

Lessons

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

Module 2: Installing a Server

Lessons

- Prepare an Installation Plan
- Server Power
- Server Cooling
- Asset Management

Module 3: Configuring Networking

Lessons

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

Module 4: Creating a Virtual Environment

Lessons

- Create Virtual Servers
- Create Virtual Switches

Module 5: Performing Basic Server Configuration

Lessons

- Configure Local Server Properties
- Configure Server Role
- Set Up IP Addressing Service Roles

Module 6: Administering the Server

Lessons

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

Module 7: Implementing Storage Solutions

Lessons

- Perform Capacity Planning

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- Deploy Primary Storage Devices
- Storage Technologies
- Configure RAID

Module 8: Administering the Server

Lessons

- 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

Lessons

- 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

Lessons

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

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