
CompTIA Server+ Certification (Exam SK0-004)

Overview

This course builds on existing professional experience with personal computer hardware support to present the next tier of skills & concepts students 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).

Prerequisites

- CompTIA A+ Certification
- CompTIA Network+ Certification

Prerequisite Comments

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.

Target 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.

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.

Course Outline

1 - Managing Server Hardware

Server Components
Server Power
Server Cooling
Asset Management

2 - Installing a Server

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

3 - Configuring Networking

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

4 - Creating a Virtual Environment

Create Virtual Servers
Create Virtual Switches

5 - Performing Basic Server Configuration

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

6 - Administering the Server

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

7 - Implementing Storage Solutions

Perform Capacity Planning
Deploy Primary Storage Devices
Storage Technologies
Configure RAID

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

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

10 - Troubleshooting Server Issues

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

Related Courses, Certifications, Exams

- CompTIA Network+ Certification (Exam N10-007)
- CompTIA A+ Certification (Exams 220-1001 and 220-1002)
- CompTIA Server+
- SK0-004 - CompTIA Server+