CompTIA® Server+®

Duration: 5 Days
Method: Instructor-Led Training (ILT) | Live Online Training

Certification: *CompTIA Server+ —*
Exam*: SK0-004*

Course Description

This course presents the next tier of skills and concepts participants will use on the job when administering any type of network server. Participants will install, configure, upgrade, maintain, and troubleshoot servers. They will also examine the server hardware and software, server IT environment, disaster recovery concepts, and learn information and skills that will be helpful on the job.

Target Audience

This course is intended for:

- IT Professionals with experience supporting PC hardware who wish to make the transition to become server hardware and support specialists such as PC, desktop, and help desk technicians.
- Server Managers who are preparing to take the certification exam.

Prerequisites

To attend this course, candidates must have:

- Achieved the *CompTIA A+®* certification.
- Eighteen (18) to Twenty-four (24) months of hands-on experience with the installation, configuration, diagnosis, and troubleshooting of PC hardware and network operating system issues.

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Microsoft Partner

Exam Details

Exam Code:	• SK0-004
Length of Exam:	• 90 Minutes
Number of Questions:	• 100 max.
Passing Score:	• 750 out of 900
Question Format:	• Multiple Choice

Course Objectives

Upon successful completion of this course, attendees 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.

Course Topics

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

Course Topics *Continued*

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

LABS INCLUDED