

Server+ CompTIA Server+ Certification

Duration: 5 days

Price: \$4000

Certifications: CompTIA Server+

Exams: SK0-004

Course Overview

In this course, students install, configure, upgrade, maintain, and troubleshoot servers, and learn information and skills that will be helpful on the job, and prepare for the CompTIA Server+ certification examination, 2009 objectives.

Target Audience

The CompTIA® Server+® certification exam is targeted at IT professionals, network support technicians, and server hardware specialists having 18-24 months of experience in the information technology industry and hands-on experience with the installation, configuration, diagnosis, and troubleshooting of PC hardware.

Course Objectives

Upon successful completion of this course, students will be able to:

- Examine server fundamentals.
- Identify the hardware components of a server.
- Describe the features of server software.
- Examine the various types of storage systems used in servers.

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- Install hardware components on a server.
- Configure servers.
- Examine the issues in upgrading server components.
- Identify some of the industry's best practices for deploying a server and the various strategies of securing, accessing, and remotely managing the server hardware.
- Troubleshoot servers.
- Describe disaster recovery concepts and techniques.

Course Outline

1 - Introduction to Servers

- Examine the Network Architecture
- Identify Common Server Types and Functions

2 - Exploring the Server Hardware

- Identify Server System Board Components
- Explore System Processing Core
- Explore Server Memory
- Examine Server Cooling and Power Systems

3 - Introduction to Server Software

- Describe Server Software
- NOS Management Features
- NOS Security Features
- Network Essentials for Servers

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4 - Exploring the Server Storage System

- Examine Storage Devices Used for Servers
- Exploring IDE and SCSI
- Describe RAID
- Explore NAS Implementations
- Explore SAN Implementations

5 - Installing the Server Hardware

- Identify the Best Practices in Server Hardware Installation
- Install Hardware Components on a Server
- Verify Server Installation
- Install a Server in a Network Environment

6 - Configuring Servers

- NOS Installation and Verification
- Install System Monitoring Agents and Service Tools
- Server Configuration Documentation

7 - Examining the Issues in Upgrading Server Components

- Examine an Upgrade Checklist
- Examine the Issues in Upgrading Server Hardware
- Examine the Issues in Upgrading Server Software

8 - Examining Servers in an IT Environment

- Industry Best Practices for Server Installation and Maintenance
- Server Security and Access Methods

9 - Troubleshooting Servers

- Examine the Troubleshooting Theory and Methodologies
- Troubleshoot Server Hardware Problems

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- Troubleshoot Server Software Problems
- Troubleshoot Server Network Problems
- Troubleshoot Server Storage Device Problems

10 - Exploring Disaster Recovery Concepts and Methodologies

- Examine Disaster Recovery Plans
- Implement Disaster Recovery Methodologies
- Implement Replication Methods

Prerequisites

- A+ Certification
- Individuals with 18 to 24 months of IT experience