



CompTIA: Server+ Certification On-Demand

Course ID #: 7000-1049-ZZ-Z

Hours: 35

Course Content

Course Description:

In this On-Demand course you will cover: different types of servers; identification of hardware and software components used in servers; installation of servers in a network environment; configuring servers and checking and upgrading BIOS and firmware levels; preventative maintenance measures including setting SNMP thresholds; upgrading server hardware and software; exploration of environmental issues surrounding servers; troubleshooting servers & exploring disaster recovery concepts and techniques.

Prerequisites:

Windows Level 1, A+ Hardware Fundamentals, A+ Operating Systems Fundamentals and Network+ Certification

Topics:

Lesson 1: Introduction to Servers

- Investigating Different Types of Servers
- Identifying Server Types
- Identifying Server Hardware
- Identifying Parts of Computer Subsystems
- Identifying Components of the System Processing Core
- Identifying Drive Types and Implementations
- Identifying Components and Features of the Communications Subsystem
- Identifying UPS Types
- Identifying Server-specific Components Found in Other Subsystems
- Identifying Network Operating Systems and Other Software
- Identifying Network Operating Systems Features
- Identifying Other Server Software

Lesson 2: Installing Servers

- Planning for Server Installation
- Discussing the Planning Process
- Adding Server Hardware
- Installing Server Hardware
- Discussing Rackmount Servers and Physical Installation
- Verifying the Installation
- Verifying the Hardware Installation

Lesson 3: Upgrading Server Components

- Creating and Using Upgrade Check Lists
- Discussing Upgrade Check Lists
- Adding and Replacing Hardware
- Upgrading Server Software
- Installing NOS Updates
- Updating Drivers



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Lesson 4: Exploring Environmental Issues Surrounding Servers

- Evaluating the Physical Security of Servers
- Evaluating the Server Room Equipment

Lesson 5: Configuring Servers

- Checking and Upgrading BIOS and Firmware Levels
- Checking the BIOS Level
- Configuring RAID
- Configuring Hardware RAID
- Installing Network Operating Systems and Other Software
- Testing the Server Installation
- Configuring External Peripheral Devices
- Installing System Monitoring Agents and Service
- Tools
- Documenting the Server

Lesson 6: Maintaining Servers

- Backing Up Server Data
- Baselineing Servers and Monitoring Server Performance
- Setting SNMP Thresholds
- Discussing SNMP
- Keeping the Server Clean
- Discussing the Physical Maintenance of Servers
- Verifying Hardware
- Establishing Remote Notification
- Setting Up and Verifying Remote Notification

Lesson 7: Troubleshooting Servers

- Reviewing General Troubleshooting Information
- Reviewing Troubleshooting Concepts
- Discussing Troubleshooting Precautions
- Analyzing the Problem and its Cause
- Discussing Server Troubleshooting
- Using Diagnostic Software
- Investigating Wake-on-LAN Technology
- Identifying Bottlenecks
- Discussing Bottlenecks

Lesson 8: Exploring Disaster Recovery Concepts and Techniques

- Ensuring Redundancy and Availability
- Discussing Fault-tolerance
- Backups
- Discussing Backup Strategies
- Creating a Disaster Recovery Plan
- Discussing Professional Data-Recovery Services

Register for this class by visiting us at:

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NASBA Information

Level: Intermediate

Attendance Requirement: To be awarded the full credit hours, you must sign in and attend the entire course.

Fields: Computer Software & Applications

CPEs: 14

Policies: Course Registration, Cancellation, Refund and Complaint Resolution

For more information regarding administrative policies such as complaint and refund, please contact our offices at 800-639-3535 or visit us at: www.tcworkshop.com

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NOTE: Since our information is in multiple places on our web site or in PDF format that is sent to clients, we have provided our normal course content with the NASBA Information added along with links to our policy page on the web. We will add our name to the Official National Registry Statement after we are approved.