

Soft-Train



*At Soft-Train
Technology Works*

CompTIA Server+ (5 Days) ST32003

COURSE GOAL: To prepare for a CompTIA Server+ Certification Exam SK0-003

PREREQUISITES: Basic network PC use and understanding. CompTIA A+ and Network+ certification highly recommended.

LEARNING OBJECTIVES:

Upon completion of this course, the student will be able to:

- Plan an installation
- Understand RAID and it's importance
- Configure an operating system and network
- Upgrade different components within a PC
- Utilize monitoring agents
- Understand environmental security
- Use diagnostic tools

KEY TOPICS:

I. Planning and Specifications

- A. Introduction
- B. Network Types
- C. Network Server Categories
- D. Network Server Roles
- E. Intel Processors
- F. Server Buses
- G. Memory
- H. Disk Subsystems
- I. Network Systems
- J. Backup Hardware
- K. Redundant Components
- L. Server Clustering
- M. Scalability
- N. High Availability
- O. Backup Strategies
- P. Fault Tolerance
- Q. Disaster Recovery
- R. Miscellaneous Network Server Hardware
- S. Racking Servers
- T. Network Operating Systems
- U. Network Server Management
- V. Current Installation Plan

II. Installation

- A. Introduction
- B. Planning for Installation
- C. Installing Hardware

III. Configuration

- A. Introduction
- B. Network Server Configuration
- C. Configuring Hardware Based RAID
- D. Installing the Network Operating System
- E. Configuring External Peripherals

- F. Installing Network Operating System Updates
- G. Configuring Manufacturer Specific Drivers
- H. Installing Service Tools
- I. Performing a Server Baseline
- J. Documenting the Network Server Configuration

- C. Using Diagnostic Hardware and Software Tools and Utilities
- D. Identifying Bottlenecks
- E. Identifying and Correcting Mis-configurations and/or Upgrades
- F. Determining Whether a Problem Is Hardware, Software or Virus Related

IV. Upgrading

- A. Introduction
- B. The Upgrade Checklist
- C. Performing a Full Backup
- D. Adding Processors
- E. Adding Hard Drives
- F. Adding Memory
- G. Upgrading the BIOS/Firmware
- H. Upgrading Adapters
- I. Upgrading Peripheral Devices
- J. Upgrading System Monitoring Agents
- K. Upgrading Service Tools
- L. Upgrading the Uninterruptable Power Supply

VIII. Disaster Recovery

- A. Introduction
- B. Creating a Disaster Recovery Plan
- C. Implementing Disaster Plans
- D. Restoring Your Server

V. Proactive Maintenance

- A. Introduction
- B. Understanding Backups
- C. Working with Baselines
- D. Working with SNMP
- E. The Physical Environment
- F. Verifying Hardware
- G. Establishing Remote Notification

VI. Environment

- A. Introduction
- B. Environment Overview
- C. Environmental Issues
- D. Physical Security Issues

VII. Troubleshooting and Problem Determination

- A. Introduction
- B. Performing Problem Determination