CompTIA Server+ 2005

- **Course Number:** SK0-002
- **Length:** 5 Day(s)

Certification Exam

This course will help you prepare for the following exam:

- **CompTIA Exam SK0-002:** Server+

Course Overview

Students are presented with technical knowledge on server installation and configuration, with an emphasis on areas such as RAID, SCSI and multiple CPUs, as well as capabilities with server issues, including disaster recovery.

Prerequisites

A+ certification recommended but not required.

Audience

Server+ is intended for individuals who seek to validate a basic familiarity with industry standard server architecture.

Course Outline

- Domain 1
- Server Hardware
- 1.01 System Bus Architectures
- 1.02 Adapter Fault Tolerance
- 1.03 Types of Servers
- 1.04 Application Server Models
- 1.05 Memory Types and Server Memory Requirements
- 1.06 SCSI Storage Solutions
- 1.07 SATA (Serial ATA) Storage Solutions
- 1.08 Fibre Channel Hardware
- 1.09 iSCSI and FCIP Technologies
- 1.10 RAID Technologies
- 1.11 Know the characteristics of hot swap drives and hot plug boards.
- 1.12 Know the features, advantages, and disadvantages of multiprocessing.
- 1.13 Know the attributes, purpose, function, and advantages of clustering.
- 1.14 Server Processor Subsystems
- 1.15 Know Network Storage Systems
- Domain 2
- Installation
- 2.01 Conduct pre-installation planning activities
- 2.02 Install hardware using best practices
- 2.03 Develop the server management plan (in-band and out-of-band management)
- Domain 3

- Configuration
- 3.01 Check/upgrade BIOS/firmware levels (system board, RAID controller, hard drive, ect.)
- 3.02 Configure RAID
- 3.03 Install NOS
- 3.04 Configure External Peripherals
- 3.05 Install NOS and driver updates to design specifications
- 3.06 Install service tools (SNMP, backup software, system monitoring agents, event logs, etc.)
- 3.07 Perform Server Baseline
- 3.08 Document the configuration
- 3.09 Implement the server management plan (OS-dependent and OS-independent components).
- Domain 4
- Upgrading
- 4.01 Perform Backup
- 4.02 Add Processors
- 4.03 Add Hard Drives
- 4.04 Increase Memory
- 4.05 Upgrade BIOS/firmware
- 4.06 Upgrade adapters (e.g., NICs, SCSI cards, RAID, etc.)
- 4.07 Upgrade peripheral devices, internal and external & verify appropriate system resources
- 4.08 Upgrade system monitoring agents
- 4.09 Upgrade service tools (e.g., diagnostic tools, EISA configuration, diagnostic partition, SSU)
- 4.10 Upgrade UPS
- Domain 5
- Proactive Maintenance
- 5.01 Perform regular backup
- 5.02 Create baseline and compare performance
- 5.03 Adjust SNMP thresholds
- 5.04 Perform physical housekeeping
- 5.05 Monitor, maintain, and follow the server management and service plan.
- Domain 6
- Environment
- 6.01 Recognize and report on physical security issues
- 6.02 Recognize and report on server room environmental issues
- Domain 7
- Troubleshooting and Problem Determination
- 7.01 Perform problem determination
- 7.02 Use diagnostic hardware and software tools and utilities.
- 7.03 Identify bottlenecks
- Domain 8
- Disaster Recovery
- 8.01 Read and follow the disaster recovery plan