

CompTIA Server+ Certification (2005 Objectives)

5 days

Description

This ILT Series course will prepare students for the current CompTIA Server+ certification exam. It is designed to give students advanced-level technical competency of server issues and technology, including installation, configuration, upgrading, maintenance, environment, troubleshooting, and disaster recovery.

Prerequisites

- *CompTIA A+ Certification: Essentials*
- *CompTIA Network+ Certification*

Course Outline

Unit 1: Motherboard architecture, processors, memory, and BIOS

Topic A: Motherboard architecture
Topic B: Processors
Topic C: Memory
Topic D: CMOS, BIOS, and POST

Unit 2: Storage

Topic A: Hard disks
Topic B: The IDE interface
Topic C: The SCSI interface
Topic D: SCSI configuration
Topic E: Network storage
Topic F: RAID

Unit 3: Server planning

Topic A: Planning physical site readiness
Topic B: Disaster planning

Unit 4: Server power and rack installation

Topic A: Server power
Topic B: The rack
Topic C: Network cabling

Unit 5: Server upgrades

Topic A: Preparing for a server upgrade
Topic B: Upgrading the processor and memory
Topic C: Updating the BIOS, upgrading power supplies and adapters

Unit 6: Configuring a network operating system

Topic A: General NOS configuration concepts
Topic B: Novell NetWare
Topic C: UNIX/Linux
Topic D: Windows NT Server
Topic E: Windows 2000 and Server 2003

Unit 7: Services and applications

Topic A: DHCP, DNS, and WINS
Topic B: Other services
Topic C: Application servers

Unit 8: Disaster planning

Topic A: Backup hardware
Topic B: Backup software and strategies
Topic C: Server redundancy and other disaster precautions
Topic D: Developing a disaster recovery plan

Unit 9: Performance monitoring and optimization

Topic A: Monitoring the server
Topic B: Establishing a baseline
Topic C: Acceptable levels of performance

Unit 10: Troubleshooting and problem determination

Topic A: Troubleshooting
Topic B: Diagnostic tools
Topic C: Working remotely
Topic D: Troubleshooting viruses and FRUs
Topic E: Troubleshooting tips and getting help