CompTIA Server+ Certification (2009 Objectives)

Course Summary

Description
You will install, configure, upgrade, maintain, and troubleshoot servers. You will also examine the server hardware and software, server IT environment, disaster recovery concepts, and learn information and skills that will be helpful on the job.

Objectives
By the end 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.
- 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.

Topics

- An Introduction to Servers
- Exploring the Server Hardware
- Introduction to Server Software
- Exploring the Sever Storage System
- Installing the Server Hardware
- Configuring Servers
- Examining the Issues in Upgrading Server Components
- Examining Servers in an IT Environment
- Troubleshooting Servers
- Exploring Disaster Recovery Concepts and Methodologies
- Appendix A: Mapping Server+ Course content to the CompTIA Server+ Exam Objectivies (2009)
- Appendix B: Comp TIA Server+ Acronyms

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.

Prerequisites
Students taking this class or preparing for the Server+ 2009 examination should have 18 to 24 months of hands-on experience with the installation, configuration, diagnosis, and troubleshooting of PC hardware and network operating system issues. It is recommended that they also hold the CompTIA A+ certification.

Duration
Five days

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Course Outline

I. Introduction to Servers
- A. Examine the Network Architecture
- B. Identify Common Server Types and Functions

II. Exploring the Server Hardware
- A. Identify Server System Board Components
- B. Explore System Processing Core
- C. Explore Server Memory
- D. Examine Server Cooling and Power Systems

III. Introduction to Server Software
- A. Describe Server Software
- B. NOS Management Features
- C. NOS Security Features
- D. Network Essentials for Servers

IV. Exploring the Server Storage System
- A. Examine Storage Devices Used for Servers
- B. Explore IDE and SCSI
- C. Describe RAID
- D. Explore NAS Implementations
- E. Explore SAN Implementations

V. Installing the Server Hardware
- A. Identify the Best Practices in Server Hardware Installation
- B. Install Hardware Components on a Server
- C. Verify Server Installation
- D. Install a Server in a Network Environment

VI. Configuring Servers
- A. NOS Installation and Verification
- B. Install System Monitoring Agents and Service Tools
- C. Server Configuration Documentation

VII. Examining the Issues in Upgrading Server Components
- A. Examine an Upgrade Checklist
- B. Examine the Issues in Upgrading Server Hardware
- C. Examine the Issues in Upgrading Server Software

VIII. Examining Servers in an IT Environment
- A. Industry Best Practices for Server Installation and Maintenance
- B. Server Security and Access Methods

IX. Troubleshooting Servers
- A. Examine the Troubleshooting Theory and Methodologies
- B. Troubleshoot Server Hardware Problems
- C. Troubleshoot Server Software Problems
- D. Troubleshoot Server Network Problems
- E. Troubleshoot Server Storage Device Problems

X. Exploring Disaster Recovery Concepts and Methodologies
- A. Examine Disaster Recovery Plans
- B. Implement Disaster Recovery Methodologies
- C. Implement Replication Methods

XI. Appendix A: Mapping Server+ Course Content to the CompTIA Server+ Exam Objectives (2009)

XII. Appendix B: CompTIA Server+ Acronyms

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