

Course Outline



Tel: +44 (0) 118 979 4000 Fax: +44 (0) 118 979 4000

Email: training@ptr.co.uk Web: www.ptr.co.uk

CompTIA Server+ 2009 Objectives

Course 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.

Upon successful completion 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.

Pre-requisites:

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.

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.

In addition to these exam requirements, to ensure your success with this course, we recommend you first take the following courses or have equivalent knowledge: CompTIA® A+® Certification: A Comprehensive Approach for 2009 Objectives and CompTIA® Network+® Certification (2009 Objectives).

Course Content:

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- **Introduction to Servers**
 - Examine the Network Architecture
 - Identify Common Server Types and Functions
- **Exploring the Server Hardware**
 - Identify Server System Board Components
 - Explore System Processing Core
 - Explore Server Memory
 - Examine Server Cooling and Power Systems
- **Introduction to Server Software**
 - Describe Server Software
 - NOS Management Features
 - NOS Security Features
 - Network Essentials for Servers
- **Exploring the Server Storage System**
 - Examine Storage Devices Used for Servers
 - Exploring IDE and SCSI
 - Describe RAID
 - Explore NAS Implementations
 - Explore SAN Implementations
- **Installing the Server Hardware**
 - Identify the Best Practices in Server Hardware Installation
 - Install Hardware Components on a Server
 - Verify Server Installation
 - Install a Server in a Network Environment
- **Configuring Servers**
 - NOS Installation and Verification
 - Install System Monitoring Agents and Service Tools
 - Server Configuration Documentation
- **Examining the Issues in Upgrading Server Components**
 - Examine an Upgrade Checklist
 - Examine the Issues in Upgrading Server Hardware

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Registered Office: Grenville Court Britwell Road Burnham Bucks SL1 8DF Company Registered No: 2442290 – VAT registration No:532 1929 56

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- **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 Objectives**
 - **Appendix B: CompTIA® Server+® Acronyms**
- Examine the Issues in Upgrading Server Software
 - Industry Best Practices for Server Installation and Maintenance
 - Server Security and Access Methods
 - Examine the Troubleshooting Theory and Methodologies
 - Troubleshoot Server Hardware Problems
 - Troubleshoot Server Software Problems
 - Troubleshoot Server Network Problems
 - Troubleshoot Server Storage Device Problems
 - Examine Disaster Recovery Plans
 - Implement Disaster Recovery Methodologies
 - Implement Replication Methods

Course Duration:

5 Days

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