

CompTIA Server+

Overview

The CompTIA Server+ course builds on your existing professional experience with personal computer hardware support to present the next tier of skills and concepts that you will use on the job when administering any type of network server. If your job duties include server troubleshooting, installation, or maintenance, or if you are preparing for any type of network server-related career, it provides the primary knowledge and skills you will require to be successful. The CompTIA Server+ course can also benefit you if you are preparing to take the CompTIA Server+ examination.

Course Objectives

In this course, you will learn how to:

- Manage server hardware.
- Install server hardware and operating systems.
- Configure networking hardware and protocols.
- Perform basic server configuration tasks.
- Create a virtual server environment.
- Administer servers.
- Implement server storage solutions.
- Secure the server.
- Plan and test disaster recovery.
- Troubleshoot server issues.

Duration

5 Days

Prerequisites

To ensure your success in your course you should have 18 to 24 months of hands-on experience with installation, configuration, diagnosis, and troubleshooting of PC hardware and network operating system issues. It is also recommended that you have the CompTIA A+ certification or the equivalent training and experience. You can obtain this level of skills and knowledge by taking the following Logical Operations courses:

- CompTIA® A+ Certification: A Comprehensive Approach
- CompTIA® Network+®

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Course Topics

Module 1	MANAGING SERVER HARDWARE • Server Components • Server Power • Server Cooling • Asset Management
Module 2	INSTALLING A SERVER • Prepare an Installation Plan • Prepare the Server Hardware • Set Up the Server Hardware • Install an Operating System
Module 3	CONFIGURING NETWORKING • Manage Network Cabling • Configure Network Interface Cards • Implement IP Addressing and Network Infrastructure Services
Module 4	CREATING A VIRTUAL ENVIRONMENT • Create Virtual Servers • Create Virtual Switches
Module 5	PERFORMING BASIC SERVER CONFIGURATION • Configure Local Server Properties • Configure Server Roles • Set Up IP Addressing Service Roles
Module 6	ADMINISTERING THE SERVER • Update the Server • Server Administration Access and Control Methods • Create Service Level Agreements • Monitor Server Performance
Module 7	IMPLEMENTING STORAGE SOLUTIONS • Perform Capacity Planning • Deploy Primary Storage Devices • Storage Technologies • Configure RAID

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Module 8	IMPLEMENTING STORAGE SOLUTIONS • Configure Firewalls • Configure Security Protocols • Implement Intrusion Detection Systems • Implement Logical Access Control Methods • Implement Data Security Methods • Apply Server Hardening Techniques • Implement Physical Security • Create Virtual Networks
Module 9	PLANNING AND TESTING DISASTER RECOVERY • Implement Environmental Controls • Manage Documentation for the Server and the Network • Create A Disaster Recovery Plan • Perform Backup and Restoration
Module 10	TROUBLESHOOTING SERVER ISSUES • Troubleshoot Theory and Methods • Troubleshoot Hardware Issues • Troubleshoot Software Issues • Troubleshoot Networking Issues • Troubleshoot Storage Issues • Troubleshoot Security Issues