

# CompTIA Server+

**Duration: 5 days; Instructor-led Training (ILT) | Virtual Instructor-led Training (VILT)**

## OVERVIEW

CompTIA Server+ is the only certification that can ensure that IT professionals at the administrator level are able to do the job in any environment because it is the only certification not restricted to a single platform. The exam covers essential hardware and software technologies of on-premise and hybrid server environments including high availability, cloud computing and scripting. The new exam includes performance-based questions that require the candidate to demonstrate multi-step knowledge to securely deploy, administer and troubleshoot servers.

## OBJECTIVES

Upon successful completion of this course, you will be able to perform the duties of a server administrator.

You will:

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

## AUDIENCE

This course is designed for IT professionals such as PC, desktop, and help desk technicians who have experience supporting PC hardware who wish to make the transition to become server hardware and support specialists.

## 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.

## COURSE CONTENTS

### 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

### Module 8: Securing the Server

- 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