

CompTIA Server+

Introduction

CompTIA Server+ is designed for those candidates who dare to work in any challenging environment. It is the only industry certification course covering the major server platforms and the latest server technologies including virtualization, software-defined networking, security, and network-attached storage. Moreover, this course validates the skills necessary to be a professional server administrator who successfully manages, configures, and troubleshoots security and network issues.

Course Highlights

This course teaches you about core aspects such as;

- Deploy and updating hardware and storage devices
- Install and configure Network Operating Systems
- Set up the appropriate area to house physical servers
- Troubleshoot server problems using the appropriate tools
- Server virtualization concepts, features, and considerations
- Different server types, such as File Server, Web Server & DNS Server
- Disaster recovery procedures, backups, and restorations

Course Outline

MODULE 1: Server Architecture

- Explain the purpose and function of server form factors
- Given a scenario, install, configure and maintain server components
- Compare and contrast power and cooling components

MODULE 2: Server Administration

- Install and configure server operating systems
- Compare and contrast server roles and requirements for each
- Given a scenario, user access and control methods to administer a server
- Given a scenario, perform proper server maintenance techniques
- Explain the importance of asset management and documentation
- Explain the purpose and operation of virtualization components

MODULE 3: Storage

- Given a scenario, install and deploy primary storage devices based on given specifications and interfaces
- Given a scenario, configure RAID using best practices
- Summarize hardware and features of various storage technologies
- Given a scenario, calculate appropriate storage capacity and plan for future growth

MODULE 4: Security

- Compare and contrast physical security methods and concepts
- Given a scenario, apply server hardening techniques
- Explain basic network security systems and protocols
- Implement logical access control methods based on company policy
- Implement data security methods and secure storage disposal techniques
- Given a scenario, implement proper environmental controls and techniques

MODULE 5: Networking

- Given a scenario, configure servers to use IP addressing and network infrastructure services
- Compare and contrast various ports and protocols
- Given a scenario, install cables and implement proper cable management procedures

MODULE 6: Disaster Recovery

- Explain the importance of disaster recovery principles
- Given a scenario, implement appropriate backup techniques

MODULE 7: Troubleshooting

- Explain troubleshooting theory and methodologies
- Given a scenario, effectively troubleshoot hardware problems, selecting the appropriate tools and methods
- Given a scenario, effectively troubleshoot software problems, selecting the appropriate tools and methods
- Given a scenario, effectively diagnose network problems, selecting the appropriate tools and methods
- Given a scenario, effectively troubleshoot storage problems, selecting the appropriate tools and methods
- Given a scenario, effectively diagnose security issues, selecting the appropriate tools and methods

Prerequisites

- A+ Certification Individuals with 18 to 24 months of IT experience
- CompTIA A+ certified or equivalent knowledge Two years of hands-on experience working in a server environment

Target Audience

This certification is intended for;

- Server Support Technician
- Server Administrator
- IT/Server Technician
- Storage Administrator
- Database Administrators

Duration

16 hours training course