

CompTIA SK0-005 Server+ Exam Preparation

CompTIA SK0-005 Server+ 2026. Server hardware, virtualization, storage, and security.

IT Certifications Instructor: Brian Mitchell • 5 sections • 43 lessons • 14.50h total

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About this course

Many IT professionals struggle with the CompTIA Server+ SK0-005 exam because it blends theory with practical server administration tasks. This course cuts through the noise, focusing on the exact domains and skills you need to pass and apply them in your job.

You will learn how to troubleshoot server hardware, configure virtualization, manage storage, and secure server environments through video lessons, real case study analysis, and downloadable study templates. The course includes practice questions and problem-solving sessions.

Course curriculum

Foundations and Exam Overview

- **Understanding the SK0-005 Exam Structure (12m)**
Learn the exam domains, question types, and scoring to build a strategic study plan from day one.
- **Setting Up Your Server Lab Environment (18m)**
A step-by-step guide to creating a virtual lab for hands-on practice without expensive hardware.
- **Key Server Components and Their Functions (15m)**
Define essential hardware like CPUs, RAM, and power supplies, and how they impact server performance.
- **Introduction to Server Operating Systems (20m)**
Compare Windows Server and Linux distributions, focusing on installation and basic configuration.
- **Basic Networking for Server Administrators (22m)**
Cover IP addressing, subnetting, and network interface configuration for servers.
- **Study Plan Template for the 2026 Exam (8m)**
Download and customize a practical study schedule to cover all exam objectives efficiently.
- **Common Exam Pitfalls and How to Avoid Them (10m)**
Real-world insights on tricky questions and time management during the SK0-005 test.

Core Server Hardware and Installation

- **Troubleshooting Server Hardware Failures (25m)**
Learn diagnostic techniques for power, cooling, and component issues with real case study analysis.
- **Configuring RAID Arrays Step-by-Step (28m)**
Hands-on guide to setting up RAID 0, 1, 5, 6, and 10 for data redundancy and performance.
- **Server Chassis and Form Factors Explained (14m)**
Understand rack, tower, and blade server designs and their best-use scenarios.
- **Installing and Configuring Server Hardware (30m)**
Practical lesson on assembling and installing server components in your lab environment.
- **Managing Server Firmware and BIOS Settings (16m)**
How to update firmware, configure BIOS for performance, and troubleshoot boot issues.
- **Storage Solutions: HDD vs. SSD vs. NVMe (22m)**
Compare storage types and learn how to select and configure them for server workloads.
- **Problem-Solving: Hardware Compatibility Issues (20m)**
A session on diagnosing and resolving common hardware compatibility problems.
- **Backup and Recovery Hardware Considerations (18m)**
Learn about tape drives, external storage, and hardware for reliable data backup.
- **Server Power Management and UPS Configuration (15m)**
Step-by-step guide to setting up uninterruptible power supplies for server uptime.

Server Administration and Virtualization

- **Configuring Virtual Machines with Hyper-V (32m)**
Hands-on tutorial for creating and managing VMs, including templates and snapshots.
- **Introduction to VMware ESXi for Beginners (28m)**
Learn to install and configure ESXi hosts, perfect for exam scenarios and real-world use.
- **Managing Server Roles and Features (20m)**
Configure Active Directory, DNS, DHCP, and other key services on Windows Server.
- **Linux Server Administration Basics (25m)**
Cover user management, package installation, and service configuration on Linux servers.
- **Scripting for Server Automation (18m)**
Use PowerShell and Bash scripts to automate routine server tasks and save time.
- **Server Monitoring Tools and Techniques (22m)**
Set up monitoring with tools like Nagios or Performance Monitor to track server health.
- **Troubleshooting Server Performance Issues (26m)**
A problem-solving session on identifying and resolving CPU, memory, and I/O bottlenecks.
- **Virtualization Best Practices for the Exam (14m)**
Key concepts like resource allocation, migration, and high availability for SK0-005.

Security, Storage, and Networking

- **Implementing Server Security Fundamentals (24m)**
Learn firewalls, access controls, and hardening techniques to protect servers.
- **Configuring Secure Remote Access (16m)**
Step-by-step guide to setting up VPNs and SSH for secure server management.
- **Advanced Storage Area Networks (SAN) (28m)**
Understand SAN design, iSCSI, and Fibre Channel for enterprise storage solutions.
- **Network Storage: NAS vs. SAN (20m)**
Compare and configure network-attached storage for different server environments.
- **Server Patch Management Strategies (18m)**
Real-world case study on planning and applying patches without downtime.
- **Disaster Recovery Planning for Servers (22m)**
Create a DR plan with backup strategies and failover configurations.
- **Troubleshooting Network Connectivity on Servers (25m)**
Hands-on session on diagnosing and fixing network issues affecting server access.
- **Compliance and Auditing for Server Environments (15m)**
Learn to prepare for audits and meet standards like HIPAA or PCI-DSS.
- **Problem-Solving: Security Breach Scenarios (20m)**
Analyze real cases and practice responding to server security incidents.

Advanced Topics and Exam Simulation

- **High Availability and Load Balancing (30m)**
Configure clustering and load balancers for minimal downtime, with downloadable templates.

- **Containerization with Docker on Servers** (26m)
Introduction to Docker for deploying and managing containerized applications.
- **Cloud Integration: Hybrid Server Environments** (22m)
Learn to connect on-premises servers with AWS or Azure for hybrid setups.
- **Performance Tuning for Server Workloads** (28m)
Step-by-step optimization techniques for databases, web servers, and applications.
- **Automating Server Deployments with Ansible** (24m)
Practical guide to using Ansible for configuration management and deployment.
- **Troubleshooting Complex Server Issues** (32m)
A deep dive problem-solving session combining hardware, software, and network factors.
- **SK0-005 Practice Exam Part 1** (12m)
Test your knowledge with scenario-based questions and review explanations.
- **SK0-005 Practice Exam Part 2** (14m)
Another set of practice questions focusing on storage and security domains.
- **Final Review: Exam Day Strategies** (10m)
Tips for the test center, managing stress, and last-minute review techniques.
- **Creating Your Server+ Certification Portfolio** (8m)
How to showcase your new skills to employers and advance your IT career.

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