

CompTIA Server+ Certification Exam Objectives

EXAM NUMBER: SKO-005 V5











About the Exam

Candidates are encouraged to use this document to help prepare for the CompTIA Server+ (SK0-005) certification exam. The CompTIA Server+ certification exam will verify the successful candidate has the knowledge and skills required to:

- Install, configure, and manage server hardware and server operating systems
- Implement proper server hardening and security controls
- Successfully troubleshoot common server problems
- · Demonstrate an understanding of key disaster recovery, high-availability, and backup concepts

This is equivalent to two years of hands-on experience working in a server environment.

These content examples are meant to clarify the test objectives and should not be construed as a comprehensive listing of all the content of this examination.

EXAM DEVELOPMENT

CompTIA exams result from subject matter expert workshops and industry-wide survey results regarding the skills and knowledge required of an IT professional.

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PLEASE NOTE

The lists of examples provided in bulleted format are not exhaustive lists. Other examples of technologies, processes, or tasks pertaining to each objective may also be included on the exam, although not listed or covered in this objectives document. CompTIA is constantly reviewing the content of our exams and updating test questions to be sure our exams are current, and the security of the questions is protected. When necessary, we will publish updated exams based on existing exam objectives. Please know that all related exam preparation materials will still be valid.



TEST DETAILS

Required exam SK0-005

Number of questions Maximum of 90

Types of questions Multiple choice and performance-based

Length of test 90 minutes

Recommended experience • Two years of hands-on experience working in a server environment

• CompTIA A+ certified or equivalent knowledge

Passing score 750

EXAM OBJECTIVES (DOMAINS)

The table below lists the domains measured by this examination and the extent to which they are represented.

DOMAIN	PERCENTAGE OF EXAMINATION
1.0 Server Hardware Installation and Management	18%
2.0 Server Administration	30%
3.0 Security and Disaster Recovery	24%
4.0 Troubleshooting	28%
Total	100%





1.0 Server Hardware Installation and Management

1.1 Given a scenario, install physical hardware.

- Racking
- Enclosure sizes
- Unit sizes
 - 1U, 2U, 3U, etc.
- Rack layout
 - Cooling management
 - Safety
 - Proper lifting techniques
 - Rack balancing
 - Floor load limitations
 - Power distribution unit (PDU)
 - Keyboard-video-mouse (KVM) placement
 - Rail kits
- · Power cabling
- Redundant power
 - Uninterruptible power supply (UPS)
 - Separate circuits

- Separate providers
- Power connector types
- Cable management
- Network cabling
- Redundant networking
- Twisted pair
- Fiber
 - SC
 - LC
 - Single mode
 - Multimode
- Gigabit
- 10 GigE
- Small form-factor pluggable (SFP)
- SFP+
- Quad small form-factor pluggable plus (QSFP+)
- Cable management

- · Server chassis types
- Tower
- Rack mount
- Blade enclosure
- Server components
- Hardware compatibility list (HCL)
- Central processing unit (CPU)
- Graphics processing unit (GPU)
- Memory
- Bus types
- Interface types
- Expansion cards

1.2 Given a scenario, deploy and manage storage.

- · RAID levels and types
- 0
- 1 - 5
- 5 - 6
- 10
- Just a bunch of disks (JBOD)
- Hardware vs. software
- Capacity planning
- Hard drive media types
- Solid state drive (SSD)
 - Wear factors
 - Read intensive
 - Write intensive
- Hard disk drive (HDD)
 - Revolutions per minute (RPM)
 - **15,000**
 - **10.000**
 - **7,200**
- Hybrid

- Interface types
- Serial attached SCSI (SAS)
- Serial ATA (SATA)
- Peripheral component interconnect (PCI)
- External serial advanced technology attachment (eSATA)
- Universal serial bus (USB)
- Secure digital (SD)
- Shared storage
- Network attached storage (NAS)
 - Network file system (NFS)
 - Common Internet file system (CIFS)
- Storage area network (SAN)
 - Internet small computer systems interface (iSCSI)
 - Fibre Channel
 - Fibre Channel over Ethernet (FCoE)





1.3 Given a scenario, perform server hardware maintenance.

- Out-of-band management
- Remote drive access
- Remote console access
- Remote power on/off
- Internet protocol keyboardvideo-mouse (IP KVM)
- Local hardware administration
- Keyboard-video-mouse (KVM)
- Crash cart
- Virtual administration console
- Serial connectivity
- Console connections
- Components
- Firmware upgrades

- Drives
- Hot-swappable hardware
- Drives
- Cages
- Cards
- Power supplies
- Fans
- Basic input/output system (BIOS)/Unified
- Extensible Firmware Interface (UEFI)





2.0 Server Administration

2.1 Given a scenario, install server operating systems.

- Minimum operating system (OS) requirements
- Hardware compatibility list (HCL)
- Installations
- Graphical user interface (GUI)
- Core
- Bare metal
- Virtualized
- Remote
- Slipstreamed/unattended
 - Scripted installations
 - Additional drivers
 - Additional applications and utilities
 - Patches

- Media installation type
 - Network
 - Optical
 - Universal serial bus (USB)
 - Embedded
- Imaging
 - Cloning
 - Virtual machine (VM) cloning
 - Physical clones
 - Template deployment
 - Physical to virtual (P2V)
- Partition and volume types
- Global partition table (GPT) vs. master boot record (MBR)

- Dynamic disk
- Logical volume management (LVM)
- File system types
- ext4
- New technology file system (NTFS)
- VMware file system (VMFS)
- Resilient file system (ReFS)
- Z file system (ZFS)

2.2 Given a scenario, configure servers to use network infrastructure services.

- IP configuration
- Virtual local area network (VLAN)
- Default gateways
- · Name resolution
- Domain name service (DNS)
- Fully qualified domain name (FQDN)
- Hosts file
- · Addressing protocols
- _ IPv/4
 - Request for comments (RFC)
 1918 address spaces
- IPv6

- Firewall
- Ports
- Static vs. dynamic
- Dynamic host configuration
- protocol (DHCP)
- Automatic private IP address (APIPA)
- MAC addresses



2.3 Given a scenario, configure and maintain server functions and features.

- · Server roles requirements
- Print
- Database
- File
- Web
- Application
- Messaging
- Baselining
 - Documentation
 - Performance metrics
- Directory connectivity
- Storage management
- Formatting
- Connectivity
- Provisioning
- Partitioning
- Page/swap/scratch location and size

- Disk quotas
- Compression
- Deduplication
- Monitoring
- Uptime
- Thresholds
- Performance
 - Memory
 - Disk
 - Input output operations per second (IOPS)
 - Capacity vs. utilization
 - Network
 - Central processing unit (CPU)
- Event logs
 - Configuration
 - Shipping
 - Alerting

- Reporting
- Retention
- Rotation
- · Data migration and transfer
- Infiltration
- Exfiltration
- Disparate OS data transfer
 - Robocopy
 - File transfer
 - Fast copy
 - Secure copy protocol (SCP)
- Administrative interfaces
- Console
- Remote desktop
- Secure shell (SSH)
- Web interface

Explain the key concepts of high availability for servers.

- Clustering
- Active-active
- Active-passive
- Failover
- Failback
- Proper patching procedures
- Heartbeat

- Fault tolerance
- Server-level redundancy vs. component redundancy
- Redundant server network infrastructure
- Load balancing
 - · Software vs. hardware

- Round robin
- Most recently used (MRU)
- Network interface card (NIC) teaming and redundancy
 - Failover
 - · Link aggregation

2.5 Summarize the purpose and operation of virtualization.

- · Host vs. guest
- Virtual networking
- Direct access (bridged)
- Network address translation (NAT)
- vNICs
- Virtual switches

- Resource allocation and provisioning
- CPU
- Memory
- Disk
- NIC
- Overprovisioning
- Scalability

- Management interfaces for virtual machines
- Cloud models
- Public
- Private
- Hybrid

2.6 Summarize scripting basics for server administration.

- Script types
- Bash
- Batch
- PowerShell
- Visual Basic Script (VBS)
- Environment variables
- Comment syntax
- Basic script constructs
- Loops
- Variables

- Conditionals
- Comparators
- Basic data types
- Integers
- Strings
- Arrays
- Common server administration scripting tasks
- Startup

- Shut down
- Service
- Login
- Account creation
- Bootstrap

2.7 Explain the importance of asset management and documentation.

- Asset management
- Labeling
- Warranty
- Leased vs. owned devices
- Life-cycle management
 - Procurement
 - Usage
 - End of life
 - Disposal/recycling
- Inventory
 - Make
 - Model
 - Serial number
 - Asset tag

- · Documentation management
- Updates
- Service manuals
- Architecture diagrams
- Infrastructure diagrams
- Workflow diagrams
- Recovery processes
- Baselines
- Change management
- Server configurations
- Company policies and procedures
 - Business impact analysis (BIA)
 - Mean time between failure (MTBF)

- Mean time to recover (MTTR)
- Recovery point objective (RPO)
- Recovery time objective (RTO)
- Service level agreement (SLA)
- Uptime requirements
- Document availability
- Secure storage of sensitive documentation

2.8 Explain licensing concepts.

- Models
- Per-instance
- Per-concurrent user
- Per-server
- Per-socket
- Per-core
- Site-based
- Physical vs. virtual
- Node-locked
- Signatures

- Open source
- Subscription
- License vs. maintenance and support
- Volume licensing
- · License count validation
- True up
- · Version compatibility
- Backward compatible
- Forward compatible



3.0 Security and Disaster Recovery

- 3.1 Summarize data security concepts.
 - Encryption paradigms
 - Data at rest
 - Data in transit
 - Retention policies
 - Data storage
 - Physical location storage
 - Off-site vs. on-site

- UEFI/BIOS passwords
- Bootloader passwords
- Business impact
- Data value prioritization
- Life-cycle management
- Cost of security vs. risk and/or replacement
- 3.2 Summarize physical security concepts.
 - Physical access controls
 - Bollards
 - Architectural reinforcements
 - Signal blocking
 - Reflective glass
 - Datacenter camouflage
 - Fencing
 - Security guards

- Security cameras
- Locks
 - Biometric
 - Radio frequency identification (RFID)
 - Card readers
- Access control vestibules
- Safes

- · Environmental controls
- Fire suppression
- Heating, ventilation, and cooling (HVAC)
- Sensors
- 3.3 Explain important concepts pertaining to identity and access management for server administration.
 - User accounts
 - User groups
 - Password policies
 - Length
 - Lockout
 - Enforcement
 - · Permissions and access controls
 - Role-based
 - Rule-based
 - Scope based
 - Segregation of duties
 - Delegation

- Auditing
- User activity
- Logins
- Group memberships
- Deletions
- Multifactor authentication (MFA)
- Something you know
- Something you have
- Something you are
- Single sign-on (SSO)



3.4 Explain data security risks and mitigation strategies.

- Security risks
- Hardware failure
- Malware
- Data corruption
- Insider threats
- Theft
 - Data loss prevention (DLP)
 - Unwanted duplication
 - Unwanted publication
- Unwanted access methods
 - Backdoor
 - Social engineering
- Breaches
 - Identification
 - Disclosure

- Mitigation strategies
- Data monitoring
- Log analysis
 - Security information and event management (SIEM)
- Two-person integrity
 - Split encryption keys tokens
 - Separation of roles
- Regulatory constraints
 - Governmental
 - Individually privileged information
 - Personally identifiable information (PII)
 - Payment Card Industry Data Security Standard (PCI DSS)

- Legal considerations
 - Data retention
 - Subpoenas

.5 Given a scenario, apply server hardening methods.

- OS hardening
- Disable unused services
- Close unneeded ports
- Install only required software
- Apply driver updates
- Apply OS updates
- Firewall configuration
- Application hardening
- Install latest patches
- Disable unneeded services, roles, or features

- Host security
- Antivirus
- Anti-malware
- Host intrusion detection system (HIDS)/Host intrusion prevention system (HIPS)
- · Hardware hardening
- Disable unneeded hardware
- Disable unneeded physical ports, devices, or functions
- Set BIOS password
- Set boot order

- Patching
- Testing
- Deployment
- Change management

- Summarize proper server decommissioning concepts.
 - Proper removal procedures
 - Company policies
 - Verify non-utilization
 - Documentation
 - Asset management
 - Change management
 - Media destruction
 - Disk wiping
 - Physical
 - Degaussing
 - Shredding

- Crushing
- Incineration
- Purposes for media destruction
- Media retention requirements
- Cable remediation
- Power
- Networking
- · Electronics recycling
- Internal vs. external
- Repurposing



3.7 Explain the importance of backups and restores.

- · Backup methods
- Full
- Synthetic full
- Incremental
- Differential
- Archive
- Open file
- Snapshot
- Backup frequency
- Media rotation
- Backup media types
- Tape
- Cloud
- Disk
- Print

- · File-level vs. system-state backup
- Restore methods
- Overwrite
- Side by side
- Alternate location path
- Backup validation
- Media integrity
- Equipment
- Regular testing intervals
- · Media inventory before restoration

8 Explain the importance of disaster recovery.

- · Site types
- Hot site
- Cold site
- Warm site
- Cloud
- Separate geographic locations
- Replication
- Constant
- Background
- Synchronous vs. asynchronous
- Application consistent

- File locking
- Mirroring
- Bidirectional
- Testing
- Tabletops
- Live failover
- Simulated failover
- Production vs. non-production





4.0 Troubleshooting

4.1 Explain the troubleshooting theory and methodology.

- Identify the problem and determine the scope.
- Question users/stakeholders and identify changes to the server/environment.
- Collect additional documentation/logs.
- If possible, replicate the problem as appropriate.
- If possible, perform backups before making changes.
- Escalate, if necessary.
- Establish a theory of probable cause (question the obvious).
- Determine whether there is a common element or symptom causing multiple problems.

- Test the theory to determine the cause.
- Once the theory is confirmed, determine the next steps to resolve the problem.
- If the theory is not confirmed, establish a new theory.
- Establish a plan of action to resolve the problem.
- Notify impacted users.
- · Implement the solution or escalate.
- Make one change at a time and test/confirm the change has resolved the problem.
- If the problem is not resolved, reverse the change, if appropriate, and implement a new change.

- Verify full system functionality and, if applicable, implement preventive measures.
- Perform a root cause analysis.
- Document findings, actions, and outcomes throughout the process.

4.2 Given a scenario, troubleshoot common hardware failures.

- Common problems
- Predictive failures
- Memory errors and failures
 - System crash
 - Blue screen
 - Purple screen
 - Memory dump
 - Utilization
 - Power-on self-test (POST) errors
 - · Random lockups
 - Kernel panic
- Complementary metaloxide-semiconductor (CMOS) battery failure
- System lockups
- Random crashes
- Fault and device indication
 - Visual indicators
- Light-emitting diode (LED)
- Liquid crystal display (LCD) panel readouts

- · Auditory or olfactory cues
- POST codes
- Misallocated virtual resources
- · Causes of common problems
- Technical
 - Power supply fault
 - Malfunctioning fans
 - Improperly seated heat sink
 - Improperly seated cards
 - Incompatibility of components
 - Cooling failures
 - Backplane failure
 - Firmware incompatibility
 - CPU or GPU overheating
- Environmental
 - Dust
 - Humidity
 - Temperature

- Tools and techniques
- Event logs
- Firmware upgrades or downgrades
- Hardware diagnostics
- Compressed air
- Electrostatic discharge (ESD) equipment
- Reseating or replacing components and/or cables



4.3 Given a scenario, troubleshoot storage problems.

- · Common problems
- Boot errors
- Sector block errors
- Cache battery failure
- Read/write errors
- Failed drives
- Page/swap/scratch file or partition
- Partition errors
- Slow file access
- OS not found
- Unsuccessful backup
- Unable to mount the device
- Drive not available
- Cannot access logical drive
- Data corruption
- Slow I/O performance
- Restore failure
- Cache failure
- Multiple drive failure

- · Causes of common problems
- Disk space utilization
 - Insufficient disk space
- Misconfigured RAID
- Media failure
- Drive failure
- Controller failure
- Host bus adapter (HBA) failure
- Loose connectors
- Cable problems
- Misconfiguration
- Corrupt boot sector
- Corrupt filesystem table
- Array rebuild
- Improper disk partition
- Bad sectors
- Cache battery failure
- Cache turned off
- Insufficient space

- Improper RAID configuration
- Mismatched drives
- Backplane failure
- Tools and techniques
- Partitioning tools
- Disk management
- RAID and array management
- System logs
- Disk mounting commands
 - o net use
 - mount
- Monitoring tools
- Visual inspections
- Auditory inspections

Given a scenario, troubleshoot common OS and software problems.

- Common problems
- Unable to log on
- Unable to access resources
- Unable to access files
- System file corruption
- End of life/end of support
- Slow performance
- Cannot write to system logs
- Service failures
- System or application hanging
- Freezing
- Patch update failure
- Causes of common problems
- Incompatible drivers/modules
- Improperly applied patches
- Unstable drivers or software
- Server not joined to domain
- Clock skew
- Memory leaks
- Buffer overrun
- Incompatibility
 - Insecure dependencies
 - Version management
 - Architecture

- Update failures
- Missing updates
- Missing dependencies
- Downstream failures due to updates
- Inappropriate applicationlevel permissions
- Improper CPU affinity and priority
- OS and software tools and techniques
- Patching
 - Upgrades
 - Downgrades
- Package management
- Recovery
 - Boot options
 - Safe mode
 - Single user mode
 - · Reload OS
 - Snapshots
- Proper privilege escalations
 - runas/Run As
 - sudo
 - ° su

- Scheduled reboots
- Software firewalls
 - · Adding or removing ports
 - Zones
- Clocks
 - Network time protocol (NTP)
 - System time
- Services and processes
 - Starting
 - Stopping
 - Status identification
 - Dependencies
- Configuration management
 - System center configuration manager (SCCM)
 - Puppet/Chef/Ansible
 - Group Policy Object (GPO)
- Hardware compatibility list (HCL)



4.5 Given a scenario, troubleshoot network connectivity issues.

- Common problems
- Lack of Internet connectivity
- Resource unavailable
- Receiving incorrect
 DHCP information
- Non-functional or unreachable
- Destination host unreachable
- Unknown host
- Unable to reach remote subnets
- Failure of service provider
- Cannot reach server by hostname/ fully qualified domain name (FQDN)
- Causes of common problems
- Improper IP configuration
- IPv4 vs. IPv6 misconfigurations
- Improper VLAN configuration
- Network port security

- Component failure
- Incorrect OS route tables
- Bad cables
- Firewall (misconfiguration, hardware failure, software failure)
- Misconfigured NIC
- DNS and/or DHCP failure
- DHCP server misconfigured
- Misconfigured hosts file
- · Tools and techniques
- Check link lights
- Confirm power supply
- Verify cable integrity
- Check appropriate cable selection
- Commands
 - · ipconfig
 - ip addr

- ping
- tracert
- traceroute
- nslookup
- netstat
- dig
- telnet
- nc
- nbtstat
- o route

4.6 Given a scenario, troubleshoot security problems.

- · Common concerns
- File integrity
- Improper privilege escalation
 - Excessive access
- Applications will not load
- Cannot access network fileshares
- Unable to open files
- Causes of common problems
- Open ports
- Services
 - Active
 - Inactive
 - Orphan/zombie

- Intrusion detection configurations
- Anti-malware configurations
- Improperly configured local/group policies
- Improperly configured firewall rules
- Misconfigured permissions
- Virus infection
- Malware
- Rogue processes/services
- Data loss prevention (DLP)
- · Security tools
- Port scanners
- Sniffers

- Telnet clients
- Anti-malware
- Antivirus
- File integrity
 - Checksums
 - Monitoring
 - Detection
 - Enforcement
- User access controls
 - SELinux
 - User account control (UAC)



CompTIA Server+ (SK0-005) Acronym List

The following is a list of acronyms that appear on the CompTIA Server+ exam. Candidates are encouraged to review the complete list and attain a working knowledge of all listed acronyms as a part of a comprehensive exam preparation program.

ACRONYM DEFINITION

Access Control List ACL AD **Active Directory**

Automatic Private IP Address APIPA BCP Business Continuity Plan BIA **Business Impact Analysis BIOS** Basic Input/Output System **BSOD** Blue Screen of Death

CIDR Classless Inter-Domain Routing **CIFS** Common Internet File System

CIMC Cisco Integrated Management Controller

CLI Command Line Interface

CMOS Complementary Metal-Oxide-Semiconductor

COOP Continuity of Operations CPU Central Processing Unit CRU Customer Replaceable Unit DAS **Direct Attached Storage** DC **Domain Controller**

Distributed Denial of Service DDoS

DHCP Dynamic Host Configuration Protocol

DLP **Data Loss Prevention** DLT Digital Linear Tape

Dual In-line Memory Module DIMM

DMZ (Replacement term: perimeter network)

DNS Domain Name System Disaster Recovery DR

FCC **Error Checking and Correction**

EFS Encrypting File System

eSATA External Serial Advanced Technology Attachment

Electrostatic Discharge **ESD**

exFAT Extensible File Allocation Table

File Allocation Table FAT FC Fibre Channel

FTP

FCoE Fibre Channel over Ethernet **FQDN** Fully Qualified Domain Name FRU Field Replaceable Unit

FTPS File Transfer Protocol over SSL

File Transfer Protocol

GFS Grandfather Father Son **Group Policy Object GPO GUID Partition Table** GPT GPU **Graphics Processing Unit** GUI Graphical User Interface



ACRONYM DEFINITION

HBA Host Bus Adapter

HCL Hardware Compatibility List
HID Human Interface Device

HIDS Host Intrusion Detection System
HIPS Host Intrusion Prevention System
HTTP Hyper Text Transfer Protocol

HTTPS Hyper Text Transfer Protocol Secure
HVAC Heating Ventilation and Air Conditioning
ICMP Internet Controll Message Protocol
IDE Integrated Development Environment
IDF Intermediate Distribution Frame
IDRAC Integrated Dell Remote Access Control

IDS Intrusion Detection System
IIS Internet Information Services

iLO Integrated Lights Out

IMAP4 Internet Mail Access Protocol version 4

Intel-VT Intel Virtualization Technology

IOPS Input Output Operations per Second

IP Internet Protocol

IP KVM Internet Protocol Keyboard-Video-Mouse IPMI Intelligent Platform Management Interface

IPS Intrusion Prevention System
IPSEC Internet Protocol Security
IPv6 Internet Protocol version 6

Internetworking Small Computer System InterfaceInternational Organization for Standardization

JBOD Just a Bunch of Disks
KVM Keyboard-Video-Mouse
LAN Local Area Network

LC Lucent Connector/Little Connector

LCD Liquid Crystal Display

LDAP Lightweight Directory Access Protocol

LED Light Emitting Diode
LTO Linear Tape-Open
LUN Logical Unit Number

LVM Logical Volume Management

MAC Media Access Control
MBR Master Boot Record
MDF Main Distribution Frame
MFA Multifactor Authentication
MIB Management Information Base
MMC Microsoft Management Console

MMF Microsoft Message File MRU Most Recently Used

MTBF Mean Time Between Failure
MTTR Mean Time to Recover
NAC Network Access Control
NAS Network Attached Storage
NAT Network Address Translation
NetBIOS Network Basic Input Output System

NFS Network File System
NIC Network Interface Card

NIDS Network Intrusion Detection System

NIST National Institute of Standards and Technology



ACRONYM DEFINITION

NLB Network Load Balancing
NOS Network Operating System
NTFS New Technology File System
NTP Network Time Protocol

NVMe Non-Volatile Memory expression
OEM Original Equipment Manufacturer

OM Optical Multimode
OOB Out-of-Band
OS Operating System
OTP One-Time Password
OU Organizational Units

P2P Peer to Peer
P2V Physical to Virtual
PAT Port Address Translation

PCI Peripheral Component Interconnect

PCI DSS Payment Card Industry Data Security Standard
PCIe Peripheral Component Interconnect Express
PCI-X Peripheral Component Interconnect Extended

PDU Power Distribution Unit

PII Personally Identifiable Information
PIN Personal Identification Number
PKI Public Key Infrastructure

POST Power on Self-Test
PSU Power Supply Unit

PXE Preboot Execution Environment

QSFP Quad Small Form Factor Pluggable

RADIUS Remote Authentication Dial-in User Service

RAID Redundant Array of Inexpensive/Integrated Disks/Drives

RAM Random Access Memory
RAS Remote Access Server
RDP Remote Desktop Protocol
ReFS Resilient File System
RFC Request for Comments
RFID Radio Frequency Identificat

RFID Radio Frequency Identification
RIS Remote Installation Service

RJ45 Registered Jack 45
RPM Rotations per Minute
RPO Recovery Point Objective
RTO Recovery Time Objective

SAML Security Assertion Markup Language

SAN Storage Area Network
SAS Serial Attached SCSI

SATA Serial ATA

SC Standard Connector

SCCM System Center Configuration Management

SCP Secure Copy Protocol

SCSI Small Computer System Interface

SD Secure Digital

SELinux Security Enhanced Linux
SFP Small Form Factor Pluggable
SFTP Secure File Transfer Protocol
SLA Service Level Agreement
SMTP Simple Mail Transfer Protocol

SNMP Simple Network Management Protocol



ACRONYM DEFINITION

SQL Structured Query Language

SSD Solid State Drive SSH Secure Shell

SSL Secure Sockets Layer

SSO Single Sign-On ST Straight Tip

TACACS Terminal Access Controller Access Control System

TCP Transmission Control Protocol

TCP/IP Transmission Control Protocol/Internet Protocol

TFTP Trivial File Transfer Protocol
TLS Transport Layer Security
UAC User Account Control
UDP User Datagram Protocol

UEFI Unified Extensible Firmware Interface

UID Unit Identification

UPS Uninterruptible Power Supply

URL Universal/Uniform Resource Locator

USB Universal Serial Bus
UUID Universal Unique Identifier

V2P Virtual to Physical V2V Virtual to Virtual VBS Visual Basic Script

VLAN Virtual Local Area Network

VLAN ID Virtual Local Area Network Identification

VM Virtual Machine

VMM Virtual Machine Manager VMFS VMWare File System



Server+ Proposed Hardware and Software List

CompTIA has included this sample list of hardware and software to assist candidates as they prepare for the Server+ exam. This list may also be helpful for training companies that wish to create a lab component for their training offering. The bulleted lists below each topic are samples and are not exhaustive.

HARDWARE

- Computer capable of virtualization
- Cables
- · USB flash drive
- KVM*
- Rack*
- UPS*
- Switch*
- Storage device*

*Ideal, but not necessary for lab setup

SOFTWARE

- Server operating system
- · Virtualization software
- · Antivirus/anti-malware

