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# CompTIA Server+

(Exam Code : SK0-004)

### **Course Objectives :**

Today's IT environments demand planning, securing and maintaining a variety of server equipment. CompTIA Server+ certification validates IT professionals can do just that and more. As an industry-recognized credential, CompTIA Server+ helps boost the performance of IT professionals within businesses of all sizes. CompTIA Server+ validates your skills with the most commonly used server and storage systems in the IT industry. This certification demonstrates an impressive knowledge base that narrows the skills gap and provides the hands-on experience that businesses need. Server+ covers server architecture, administration, storage, security, networking, troubleshooting as well as disaster recovery.

### **Prerequisite:**

No prerequisite. Individuals with at least 12 months of IT experience an added advantage.

### **Certificate Of Attendance:**

Certificate Of Attendance will be awarded to participants completing the course achieving minimum 75% attendance.

### **Training Duration :**

Full-time: 5 weekdays  
Time : 9.30am – 5.30pm

### **Course & Exam Fee :**

Course Fee : S\$2299  
Regn Fee : S\$50  
  
All fees subject to GST 7%.  
Course fee excludes CompTIA Exam.

### **Training Methodology & Materials :**

- Practical hands-on sessions to enhance server concept.
- Well-designed lab sessions to enhance further understanding of the courseware.

## DETAILED COURSE OUTLINE

The table below lists the domain areas measured by this examination and the approximate extent to which they are represented in the examination:

Domain	% of Examination
1.0 Server Architecture	12%
2.0 Server Administration	24%
3.0 Storage	12%
4.0 Security	13%
5.0 Networking	10%
6.0 Disaster Recovery	9%
7.0 Troubleshooting	20%
<b>Total</b>	<b>100%</b>

## **Course Outline**

### **1.0 Server Architecture**

- 1.1 Explain the purpose and function of server form factors
- 1.2 Install, configure and maintain server components
- 1.3 Compare and contrast power and cooling components

### **2.0 Server Administration**

- 2.1 Install and configure server operating systems
- 2.2 Compare and contrast server roles and requirements
- 2.3 Use access and control methods to administer a server
- 2.4 Perform proper server maintenance techniques
- 2.5 Explain the importance of asset management and documentation
- 2.6 Explain the purpose and operation of virtualization components

### **3.0 Storage**

- 3.1 Install and deploy primary storage devices based on given specifications and interfaces
- 3.2 Configure RAID using best practices
- 3.3 Summarize hardware and features of various storage technologies
- 3.4 Calculate appropriate storage capacity and plan for future growth

### **4.0 Security**

- 4.1 Compare and contrast physical security methods and concepts
- 4.2 Apply server hardening techniques
- 4.3 Explain basic network security systems and protocols
- 4.4 Implement logical access control methods based on company policy
- 4.5 Implement data security methods and secure storage disposal techniques
- 4.6 Implement proper environmental controls and techniques

### **5.0 Networking**

- 5.1 Configure servers to use IP addressing and network infrastructure services
- 5.2 Compare and contrast various ports and protocols
- 5.3 Install cables and implement proper cable management procedures

### **6.0 Disaster Recovery**

- 6.1 Explain the importance of disaster recovery principles
- 6.2 Implement appropriate backup techniques

### **7.0 Troubleshooting**

- 7.1 Explain troubleshooting theory and methodologies
- 7.2 Troubleshoot hardware problems
- 7.3 Troubleshoot software problems
- 7.4 Diagnose network problems
- 7.5 Troubleshoot storage problems
- 7.6 Diagnose security issues



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