

Course Name	CompTIA Server+
Course Code	SKO-005
Course Duration	5 Days
Course Structure	Instructor-Led
Course Overview	This course builds on existing professional experience with personal computer hardware support to present the next tier of skills & concepts students will use on the job when administering any type of network server. This course covers server hardware installation and management, server administration, security and disaster recovery and troubleshooting. This course also prepares you to take the CompTIA Server+ examination (Exam SK0-005).
Audience Profile	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. This course is also designed for existing server managers who are preparing to take the CompTIA Server+ Exam SK0-004.
Course Prerequisites	It is expected that, prior to taking this course, you have: <ul style="list-style-type: none"> • A+ certified or equivalent knowledge. • 24 months of hands-on experience working in a server environment.
Course Outcome	In this course, delegates will analyse and apply advanced security concepts, principles, and implementations that contribute to enterprise-level security. Upon successful completion of this course, delegates will be able to: <ul style="list-style-type: none"> • Build, maintain, troubleshoot, secure and support server hardware and software technologies • Implement virtualization and storage solutions for local, enterprise and cloud environments • Understand and comply with disaster recovery and general security procedures • Be familiar with industry terminology and concepts • Understand server roles and their interaction in a dynamic computing environment • Use automation, scripting and virtualization to optimize server management

	<ul style="list-style-type: none"> • Understand on-premise and hybrid server environments to accommodate both enterprise and small business needs • Understand server administration and troubleshooting both on-premise and remotely • Be familiar with cloud computing concepts as they apply to server administration and maintenance
Assessment/Evaluation	<p>This course will prepare delegates to take the CompTIA Server+ SKO-005 Exam.</p> <p>Successfully passing this exam will result in the attainment of the CompTIA Server+ Certification and Certificate of Attendance issued by IT-IQ Botswana</p>

Course Details	
Lesson	<p>TOPIC 1: UNDERSTANDING SERVER ADMINISTRATION CONCEPTS Lesson 1A: Understand Server Administration Concepts Lesson 1B: Understand Troubleshooting Methods Exam objectives covered: 4.1 Explain the troubleshooting theory and methodology Lesson 1C: Manage License Exam objectives covered: 2.8 Explain Licensing Concepts</p> <p>TOPIC 2: UNDERSTANDING VIRTUALIZATION AND CLOUD COMPUTING Lesson 2A: Understand Virtualization Concepts Exam objectives covered: 2.5 Summarize the purpose and operation of virtualization Lesson 2B: Understanding Cloud Concepts Exam objectives covered: 2.5 Summarize the purpose and operation of virtualization Lesson 2C: Understand On-Premises versus Cloud Deployments Exam objectives covered: 2.5 Summarize the purpose and operation of virtualization.</p> <p>TOPIC 3: UNDERSTANDING PHYSICAL AND NETWORK SECURITY CONCEPTS Lesson 3A: Understand Physical Security Concepts</p>

	<p>Exam objectives covered: 3.2 Summarize Physical Security Concepts Lesson 3B: Understand Network Security Concepts Exam objectives covered: 2.2 Given a scenario, configure servers to use network infrastructure services</p> <p>TOPIC 4: MANAGING PHYSICAL ASSETS Lesson 4A: Understand Asset Management Concepts Exam objectives covered: 2.7 Explain the importance of asset management and documentation Lesson 4B: Manage Documentation Exam objectives covered: 2.7 Explain the importance of asset management and documentation</p> <p>TOPIC 5: MANAGING SERVER HARDWARE Lesson 5A: Manage the Physical Server Exam objectives covered: 1.1 Given a scenario, install physical hardware Lesson 5B: Administer the Server and Storage Exam objectives covered: 1.1 Given a scenario, install physical hardware 1.3 Given a scenario, perform server hardware maintenance Lesson 5C: Troubleshoot Server Hardware Exam objectives covered: 4.2 Given a scenario, troubleshoot common hardware failures</p> <p>TOPIC 6: CONFIGURING STORAGE MANAGEMENT Lesson 6A: Manage Storage Exam objectives covered: 1.2 Given a scenario, deploy and manage storage Lesson 6B: Troubleshoot Storage Exam objectives covered: 4.3 Given a scenario, troubleshoot storage problems</p> <p>TOPIC 7: INSTALLING AND CONFIGURING AN OPERATING SYSTEM Lesson 7A: Install an Operating System Exam objectives covered: 2.1 Given a scenario, install server operating systems Lesson 7B: Configure Storage Exam objectives covered: 2.1 Given a scenario, install server operating systems Lesson 7C: Configure Network Settings</p>
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	<p>Exam objectives covered: 2.2 Given a scenario, configure servers to use network infrastructure services Lesson 7D: Use Scripts to Configure Servers Exam objectives covered: 2.1 Given a scenario, install server operating systems 2.6 Summarize scripting basics for server administration</p> <p>TOPIC 8: TROUBLESHOOTING OS, APPLICATION, AND NETWORK CONFIGURATIONS Lesson 8A: Troubleshoot an Operating System and Applications Exam objectives covered: 4.4 Given a scenario, troubleshoot common OS and software problems Lesson 8B: Troubleshoot Network Configurations Exam objectives covered: 4.5 Given a scenario, troubleshoot network connectivity issues</p> <p>TOPIC 9: MANAGING POST-INSTALLATION ADMINISTRATIVE TASKS Lesson 9A: Understand Secure Administration Practices Exam objectives covered: 3.3 Explain important concepts pertaining to identity and access management for server administration Lesson 9B: Manage Server Functions Exam objectives covered: 2.3 Given a scenario, configure and maintain server functions and features Lesson 9C: Configure Server Hardening Exam objectives covered: 3.5 Given a scenario, apply server hardening methods</p> <p>TOPIC 10: MANAGING DATA SECURITY Lesson 10A: Understand Data Security Concepts Exam objectives covered: 3.1 Summarize data security concepts Lesson 10B: Manage Data Security Exam objectives covered: 3.4 Explain data security risks and mitigation strategies Lesson 10C: Troubleshoot Data Security Exam objectives covered: 4.6 Given a scenario, troubleshoot security problems</p> <p>TOPIC 11: MANAGING SERVICE AND DATA AVAILABILITY Lesson 11A: Manage Data Backup and Restore Exam objectives covered: 3.7 Explain the importance of backups and restores</p>
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	<p>Lesson 11B: Manage High Availability Exam objectives covered: 2.4 Explain the key concepts of high availability for servers</p> <p>Lesson 11C: Manage Disaster Recovery Exam objectives covered: 3.8 Explain the importance of disaster recovery</p> <p>12 - DECOMMISSIONING SERVERS</p> <p>Lesson 12A: Decommission Servers Exam objectives covered: 3.6 Summarize proper server decommissioning concepts</p>
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