PROGRAMMA CompTIA Linux + (XK0-006)

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Parts I: System Management

- Summarize Linux fundamentals
- Given a scenario, manage files and directories
- Given a scenario, configure and manage storage using the appropriate tools
- Given a scenario, configure and use the appropriate processes and services
- Given a scenario, use the appropriate networking tools or configuration files
- Given a scenario, build and install software
- Given a scenario, manage software configurations

Parts II: Security

- Summarize the purpose and use of security best practices in a Linux environment
- Given a scenario, implement identity management
- Given a scenario, implement and configure firewalls
- Given a scenario, configure and execute remote connectivity for system management
- Given a scenario, apply the appropriate access controls

Parts III: Scripting, Containers, and Automation

- Given a scenario, create simple shell scripts to automate common tasks
- Given a scenario, perform basic container operations
- Given a scenario, perform basic version control using Git
- Summarize common infrastructure as code technologies+
- Summarize container, cloud, and orchestration concepts

Parts IV: Troubleshooting

- Given a scenario, analyze and troubleshoot storage issues
- Given a scenario, analyze and troubleshoot network resource issues
- Given a scenario, analyze and troubleshoot central processing unit (CPU) and memory issues
- Given a scenario, analyze and troubleshoot user access and file permissions
- Given a scenario, use systemd to diagnose and resolve common problems with a Linux system