PROGRAMMA CompTIA A + Core 1 (220-1201)

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Part I: Mobile Devices

- Given a scenario, install and configure laptop hardware and components
- Compare and contrast the display components of mobile devices
- Given a scenario, set up and configure accessories and ports of mobile devices
- Given a scenario, configure basic mobile-device network connectivity and application support

Part II: Networking

- Compare and contrast Transmission Control Protocol (TCP) and User Datagram Protocol (UDP) ports, protocols, and their purposes
- Compare and contrast common networking hardware
- Compare and contrast protocols for wireless networking
- Summarize services provided by networked hosts
- Given a scenario, install and configure basic wired/wireless small office/home office (SOHO) networks
- Compare and contrast common network configuration concepts
- Compare and contrast Internet connection types, network types, and their features
- Given a scenario, use networking tools

Parts III: Hardware

- Explain basic cable types and their connectors, features, and purposes
- Given a scenario, install the appropriate RAM
- Given a scenario, select and install storage devices
- Given a scenario, install and configure motherboards, central processing units (CPUs), and add-on cards
- Given a scenario, install or replace the appropriate power supply
- Given a scenario, deploy and configure multifunction devices/ printers and settings
- Given a scenario, install and replace printer consumables

Parts IV: Virtualization and Cloud Computing

- Summarize cloud-computing concepts
- Summarize aspects of client-side virtualization

Parts V: Hardware and Network Troubleshooting

- Given a scenario, apply the best practice methodology to resolve problems
- Given a scenario, troubleshoot problems related to motherboards, RAM, CPU, and power
- Given a scenario, troubleshoot and diagnose problems with storage drives and RAID arrays
- Given a scenario, troubleshoot video, projector, and display issues
- Given a scenario, troubleshoot common issues with mobile devices
- Given a scenario, troubleshoot and resolve printer issues
- Given a scenario, troubleshoot problems with wired and wireless networks