

KLiC Network Support (KLiC Certificate in IT Network Support)

Hardware Support



Skills: Basics of Networking, Network Cabling, Basics of IP addressing, Configuring DHCP for Small Network, Troubleshooting of Networks, Configuring Wi-Fi Network

Tools: IT helpdesk, Network monitoring tools, LAN testers, Command line tools, Open source subnet calculators, Network packet analyzers



LAN testers

Detailed Syllabus:

KLiC Network Support

Networking Basics

- Basics of Networking
- OSI Model
- TCP/IP Model
- Reference Link 1
- OSI/TCP Model
- Network Protocols

Network Connectivity

- Network Topology and Network Devices
- Reference Link
- Network Cabling
- Internet Connectivity Types

IP Addressing

- Basics of IP addressing
- Classes of IP addresses
- Difference Between Static and Dynamic IPs
- Subnetting
- Configuring DHCP for Small Network
- Network Ports
- Overview of DNS
- WINS vs DNS
- MAC Address Formats
- Troubleshooting of Networks
- Network Troubleshooting Tools

Wi-Fi Networks

- Configuring Wi-Fi Network
- Wireless Standards