Mindluster Platform

About the course Networking tools and techniques

Networking tools course, in this course dives into the essential tools needed to monitor, troubleshoot, and optimize modern networks. Learn about powerful networking utilities like Wireshark for packet analysis, Nmap for network scanning, and Netstat for connection tracking. Understand how tools like Ping, Traceroute, and DNS Lookup can help diagnose connectivity and DNS issues. Explore advanced network monitoring platforms such as Nagios and SolarWinds, and gain practical skills in configuring and using them effectively. Through hands-on exercises and real-world scenarios, youâ€™ll develop expertise in identifying and resolving network issues, improving security, and optimizing performance. Whether you're an aspiring IT professional or an experienced network administrator, this course equips you with the skills to master critical networking tools and maintain efficient, secure, and reliable network environments.

Computer Softwares Category's Courses

Course Lesson(65)

Lesson 1 : **Modem vs Router What s the difference**

Lesson 2 : **Hub Switch Router Explained What s the difference**

Lesson 3 : **Layer 2 vs Layer 3 Switches**

Lesson 4 : **Wireless Access Point vs Wi Fi Router**

Lesson 5 : **Cable vs DSL vs Fiber Internet Explained**

Lesson 6 : **Ethernet Cables UTP vs STP Straight vs Crossover CAT 5 5e 6 7 8 Network Cables**

Lesson 7 : **Plenum vs Non Plenum PVC Network Ethernet Cables**

Lesson 8 : **Network Connectors Explained**

Lesson 9 : **Networking Tools Hardware**

Lesson 10 : **How a DNS Server Domain Name System works**

Lesson 11 : **DNS Records Explained**

Lesson 12 : **DDNS Dynamic DNS Explained**

Lesson 13 : **NAT Explained Network Address Translation**

Lesson 14 : **DHCP Explained Dynamic Host Configuration Protocol**

Lesson 15 : **IP Address IPv4 vs IPv6 Tutorial**

Lesson 16 : **APIPA Explained Automatic Private IP Addressing**

Lesson 17 : **Public vs Private IP Address**

Lesson 18 : **MAC Address Explained**

Lesson 19 : **ARP Explained Address Resolution Protocol**

Lesson 20 : **Port Forwarding Explained**

Lesson 21 : **What is a DMZ Demilitarized Zone**

Lesson 22 : **FTP File Transfer Protocol SFTP TFTP Explained**

Lesson 23 : **VLAN Explained**

Lesson 24 : **Subnets vs VLANs**

Lesson 25 : **TCP vs UDP Comparison**

Lesson 26 : **PING Command Troubleshooting Networks**

Lesson 27 : **Traceroute tracert Explained Network Troubleshooting**

Lesson 28 : **Network Topologies Star Bus Ring Mesh Ad hoc Infrastructure Wireless Mesh Topology**

Lesson 29 : **What is a Patch Panel cable management**

Lesson 30 : **Network Types LAN WAN PAN CAN MAN SAN WLAN**

Lesson 31 : **LAN WAN SUBNET EXPLAINED**

Lesson 32 : **2 4 GHz vs 5 GHz WiFi What is the difference**

Lesson 33 : **Tri Band WiFi Router Explained**

Lesson 34 : **MU MIMO Explained**

Lesson 35 : **Wireless Bridge Mode Networking**

Lesson 36 : **WiFi Range Extender WiFi Booster explained Which is the best**

Lesson 37 : **Mesh Wifi Explained Which is the best Google Wifi**

Lesson 38 : **WiFi 6 Explained**

Lesson 39 : **WiFi Wireless Password Security WEP WPA WPA2 WPA3 WPS Explained**

Lesson 40 : **What is a Guest Network**

Lesson 41 : **Bluetooth vs WiFi What s the difference**

Lesson 42 : **What is a Hotspot**

Lesson 43 : **What is a Firewall**

Lesson 44 : **SSL TLS HTTP HTTPS Explained**

Lesson 45 : **CSMA CD and CSMA CA Explained**

Lesson 46 : **Spanning Tree Protocol CCNA Explained**

Lesson 47 : **VPN Virtual Private Network Explained**

Lesson 48 : **IPsec Explained**

Lesson 49 : **What is a Proxy Server**

Lesson 50 : **Proxy vs Reverse Proxy Explained**

Lesson 51 : **Cloud Computing Explained**

Lesson 52 : **Virtualization Explained**

Lesson 53 : **Virtual Machines vs Containers**

Lesson 54 : **Internet Bandwidth speed Explained**

Lesson 55 : **NAS vs SAN Network Attached Storage vs Storage Area Network**

Lesson 56 : **IPCONFIG Explained Flush DNS Cache**

Lesson 57 : **NETSTAT Command Explained**

Lesson 58 : **Windows Command Line Tools**

Lesson 59 : **Network Ports Explained**

Lesson 60 : **Default Gateway Explained**

Lesson 61 : **Collision Domain vs Broadcast Domain**

Lesson 62 : **Subnet Mask Explained**

Lesson 63 : **Telnet vs SSH Explained**

Lesson 64 : **Powerline Ethernet Networking Explained**

Lesson 65 : **CompTIA Network Certification Video Course**

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