

Networking Fundamentals High Level Overview Cheat Sheet by aaAldinaaa via cheatography.com/23032/cs/4956/

Basic Networking	OSI Model	TCP/IP Command Line Tools	Wireless Networking
Fundamentals	Communication Standards	(Windows)	Benefits of Wireless Networking
Types of Networks		IPCONFIG / ARP / ROUTE	Wireless Access Point
Connections	TCP/IP Communication	PING / TRACERT / PATHPING	Components of Wireless Access
Protocols	TCP/IP Protocol Suite	NETSTAT / NBSTAT / NSLOOKUP	Point
IP Addressing	TCP/IP (DARPA) Model	TELNET / FTP / NETSH	Access Point Placement
	Transport Layer Protocols - TCP		Wireless Networking Standards
Wired Network Media	Three-Way Handshake	Name Resolution	Wireless Network Securing
Twisted Pair	Internet Layer Protocols	Host Names	
Coaxial	Communication Types	NetBIOS Names	Network Security
Fiber Optic	Access Methods	Name to IP Address Resolution	Firewalls
Plenum-Grade Cables	CSMA/CD	Name Resolution Process	Security Devices
Connectors			Network Access Security
Wire Standards	IP Addressing	DHCP	User Authentication
Ethernet	IP Addressing Scheme Planning	DORA (Discover, Offer, Request,	Device Security
Standard Ethernet	IP Addressing Rules	Acknowledge)	Common Security Threats
Fast Ethernet	Classful IP Addressing	DHCP in a Routed Network	
Gigabit Ethernet	Private IP Addressing	Routing	IPv6 Fundamentals
	Public IP Addressing		Disadvantage of IPv4
Network Topologies	NAT (Network Address	Routing Tables	IPv6 Solutions
Physical Network Topologies	Translation)	Static Routing	Types of IPv6 Addresses (Unicast,
Bus Topology	Binary IP Addresses	Dynamic Routing	Multicast, Anycast)
Star Topology	Inter-Networking	Routing Protocols	IPv4/IPv6 Compatibility
Ring Topology	Default Gateway	Convergence	
Mesh Topology	Subnetting	Remote Desktop Services (RDS)	
Hybrid Topology	Classless Interdomain Routing (CIDR)	RDS Role Services	
WAN Technologies		NDS Note Services	
VPNs			
VLANs			



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Not published yet. Last updated 20th August, 2015. Page 1 of 1. Sponsored by **Readability-Score.com**Measure your website readability!
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