

Cheatography

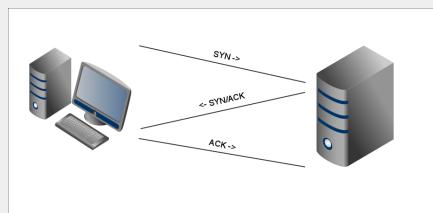
Network Cheat Sheet

by UmpaLumpa via [cheatography.com/46791/cs/13541/](https://cheatography.com/umpalumpa/cs/13541/)

Net/Host ID by Class

A	0nnnnnnn.HHHHHHHH.HHHHHHHH.HHHHHHHH
B	10nnnnnn.nnnnnnnn.HHHHHHHH.HHHHHH
C	110nnnnn.nnnnnnnn.nnnnnnnn.HHHHHHHH
D	1110XXXX.XXXXXXXXXX.XXXXXXXXXX.XXXXXXX
E	1111XXXX.XXXXXXXXXX.XXXXXXXXXX.XXXXXXX

Three Way Handshake



Illustrates the Three way handshake used for TCP connections.

OSI Protocol

7	Application layer	DNS, DHCP, FTP, HTTP/S, SSH	
6	Presentation layer	TLS	
5	Session layer	NetBIOS, PPTP, SMB	Authentication, Authorization, Session restoration
4	Transport layer	TCP, UDP, iSCSI	
3	Network layer	IPv4, IPv6, IPSec	Router
2	Data-Link Layer	PPP, ARP, MAC, VLAN	Switch, Bridge, Repeater
1	Physical Layer	DSL, ISDN, USB, Bluetooth	HUB (Multiportrepeater)

IEEE 802.xx

802.3	Ethernet
802.11a/b/g/n	WLAN
802.8	Fiber Optic
802.15.1	Bluetooth
802.15.1	Bluetooth
802.16	WiMAX



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