

OSI subnet mask

128 64 32 16 8 4 2 1 == (bits) == 0 0 0 0 0 0 0 0

For every number on top = 1 in the ip subnet Example: 128 64 32 16 8 4 2 1 0 0 0 0 0 1
1 1 = 7

If the line above would be put in repeat it would look like the following: 7.7.7.7
etc.

TCP vs UDP

TCP - Transmission Control Protocol UDP - User Datagram Protocol

Command Lines

root@kali:~# SYN > SYN ACK > ACK

Common Ports and Protocols

TCP

- FTP(21)
- SSH(22)
- Telnet(23)
- SMTP(25)
- DNS(53)
- HTTP(80)/ HTTPS(443)
- POP3(110)
- SMB(139+445)
- IMAP(143)

UDP

- DNS(53)
- DHCP(67, 68)
- TFTP(69)
- SNMP(161)
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