04/18/2025 Willian Fronto COMPTIA LABS Modules | + & Lalos due Sunday at 9 pm. you whe Subnet Mask-Explained 8 Bit octet Chart. Broad cast does not pass vouter. Routers do not forward proadcast packets to ofher net works or subnets. 1 192.168.1.0 128 192 224240248252 254 255 255.255.255.0 /24 255.255.255.192 /26 128 64 32 168421 2 4 8 1632 64128* Q 11/18 64+64+64= Class A = can produce up to 16 million · 147 Class B= 184 .192 Class C= can produce up to CIDR = Sligh notation. \$ 255.000 7 llassful B 255.255.00 C 255.255.255.0) tefault 4.1 IRv4 Subnetting Classful Class less CIDR Classless Inter-Domain Routing.

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192.168.89.130 255.255.255.24 128 192 (224: 240 248 252 854 255 12864,32:16 8 42 1 2 4 18 16 32 64 128 7 125/26/27 /28 /29/30/31/32 Net ID: 128 Boast 159 Firt User: 129 Lust: 158 128 - 159 IP address Assignment 4.3 Control panel > wifi > IPV4 > properties > general IP Automatic Private IP Advessing & 172 169 you will not get to the internet. ex: 169.254.97.192 4.4 Internet Adoressing Forwarding CCNA 3 Network packets, routers 2 D/L Frame.

Physical 1,0 switch "maps" MAC -> IP DNS "Map" 50HO=all in one If

rover, firewall

route wall 1946 P, DNS, NAT.

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50+10 = all-in-one bevice. Address Resolution Protocol by Sunny Classroom. MAC = Pysical Address. pconfig/all ARP cache. command > arp -a MAC Des. (Broadcast) ff:ff:ff:ff:ff:ff. MAC govice ae:cd:x:x:x:x:X IP Source 192.X.X.X.X IP Des. 192.X.X.X.X Unicast: que to one communications IPV4 - automatically connected to the internet by unicast -> professor messor.

ene station sending info to another station. one packed, everyone receives. Multicast-delivery of info to interested system.
one to many. one to a group.

William Prado 172.31.5.10 /29 04-19-25 172.31.5.8 172.31.5-15 172.31.5.4 Gateway 172.31.5.6 /30. 172.31.5.21 172.31.5. Net 172.31.54 BC45+. 172.31.50 172,31,5,8 Metwork 172.31.5.17 /28 Nº 16 B: 31 128 192 224 240 248 252 254 255 IPV4 128643216842 unicust Broadcast subnet 2 48 16 32 64 1 4 multicast 125 126 127 128 /29 /30/31/32 Ipconfig ipconfig /all ipconfig /renewa ipconfig /release ping Iraddress or Domain Name Ilvb address classification. Sunny Classroom. Youtube Anycast = nearest device Multicast Broad cast In IPv6 - no broadcast address/domain. Instead FF00::/8 Hex. Ilv6 You vbe IPV6 VS IPVA

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IPU4 3abit IIIIIII Octet runge 0 to 255. Binary + 01000000.000000000000000011001000 IPU 6 128 bit hexa deijual address

8 sets of 16 bits separated by colonic each hexa character regresents 46 bits.

12 13/4/5

= 0000:0000