

• 224

10000
250
4(3)

Admin: 172.31.127.0/24

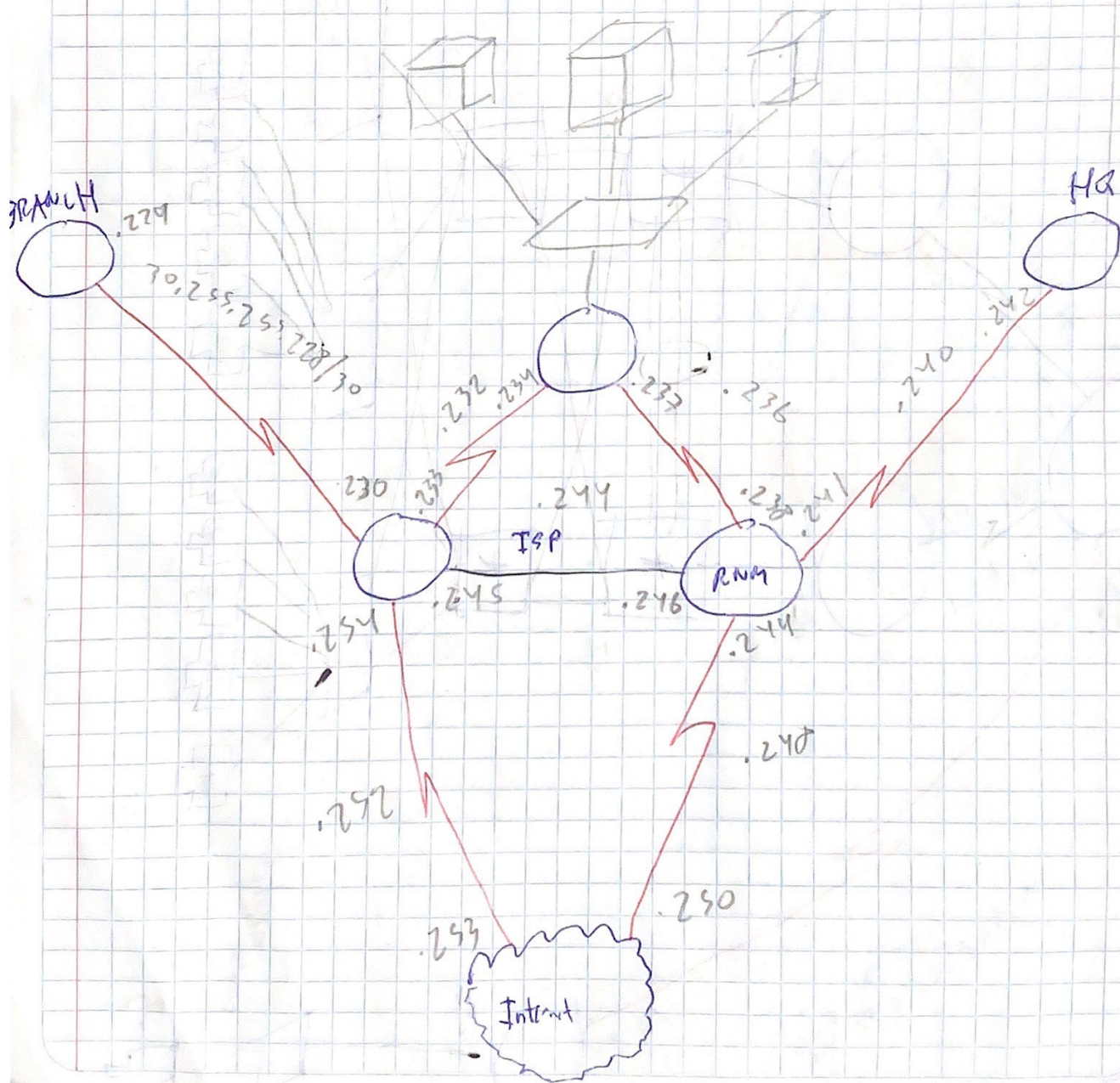
DHCP: 172.32.126.252/30

PLS : 172.32.120.0/18

Scribe®

Broadcast

30, 0, 0, 0 / 30
30, 0, 0, 4 / 30
30, 255, 255, 244
30, 255, 255, 240 / 30
30, 255, 255, 252 / 30



172.16.0.0/12

10000
200
3(4)

Scribe

$2^N = 2^1 = 2$
 $2^N = 2^0 = 1$
 $2^N = 2^2 = 4$
 $2^N = 2^3 = 8$
 $2^N = 2^4 = 16$
 $2^N = 2^5 = 32$
 $2^N = 2^6 = 64$
 $2^N = 2^7 = 128$
 $2^N = 2^8 = 256$
 $2^N = 2^9 = 512$
 $2^N = 2^{10} = 1024$
 $2^N = 2^{11} = 2048$
 $2^N = 2^{12} = 4096$
 $2^N = 2^{13} = 8192$
 $2^N = 2^{14} = 16384$
 $2^N = 2^{15} = 32768$
 $2^N = 2^{16} = 65536$
 $2^N = 2^{17} = 131072$
 $2^N = 2^{18} = 262144$
 $2^N = 2^{19} = 524288$
 $2^N = 2^{20} = 1048576$
 $2^N = 2^{21} = 2097152$
 $2^N = 2^{22} = 4194304$
 $2^N = 2^{23} = 8388608$
 $2^N = 2^{24} = 16777216$
 $2^N = 2^{25} = 33554432$
 $2^N = 2^{26} = 67108864$
 $2^N = 2^{27} = 134217728$
 $2^N = 2^{28} = 268435456$
 $2^N = 2^{29} = 536870912$
 $2^N = 2^{30} = 1073741824$
 $2^N = 2^{31} = 2147483648$

Subnet ID
172.11110000.00000000.00000000
172.1111000.00000000.00000000
172.1111000.01
111.01
111.10
111.11

Range
172.16.0.0/13
172.24.0.0/13
172.24.0.0/18
172.24.64.0/18
172.31.64.0/18
172.31.128.0/18
172.31.192.0/18 → 10000

$2^N = 2^6 = 64$
 $2^N = 2^7 = 128$
 $2^N = 2^8 = 256$
 $2^N = 2^9 = 512$
 $2^N = 2^{10} = 1024$
 $2^N = 2^{11} = 2048$
 $2^N = 2^{12} = 4096$
 $2^N = 2^{13} = 8192$
 $2^N = 2^{14} = 16384$
 $2^N = 2^{15} = 32768$
 $2^N = 2^{16} = 65536$
 $2^N = 2^{17} = 131072$
 $2^N = 2^{18} = 262144$
 $2^N = 2^{19} = 524288$
 $2^N = 2^{20} = 1048576$
 $2^N = 2^{21} = 2097152$
 $2^N = 2^{22} = 4194304$
 $2^N = 2^{23} = 8388608$
 $2^N = 2^{24} = 16777216$
 $2^N = 2^{25} = 33554432$
 $2^N = 2^{26} = 67108864$
 $2^N = 2^{27} = 134217728$
 $2^N = 2^{28} = 268435456$
 $2^N = 2^{29} = 536870912$
 $2^N = 2^{30} = 1073741824$
 $2^N = 2^{31} = 2147483648$

Subnet ID
172.31.00000000.00000000
000001
111101
111110
111111

Broadcast
172.31.64.0/24
172.31.65.0/24
172.31.125.0/24
172.31.126.0/24
172.31.127.0/24 → 200

$2^N = 2^6 = 64$
 $2^N = 2^7 = 128$
 $2^N = 2^8 = 256$
 $2^N = 2^9 = 512$
 $2^N = 2^{10} = 1024$
 $2^N = 2^{11} = 2048$
 $2^N = 2^{12} = 4096$
 $2^N = 2^{13} = 8192$
 $2^N = 2^{14} = 16384$
 $2^N = 2^{15} = 32768$
 $2^N = 2^{16} = 65536$
 $2^N = 2^{17} = 131072$
 $2^N = 2^{18} = 262144$
 $2^N = 2^{19} = 524288$
 $2^N = 2^{20} = 1048576$
 $2^N = 2^{21} = 2097152$
 $2^N = 2^{22} = 4194304$
 $2^N = 2^{23} = 8388608$
 $2^N = 2^{24} = 16777216$
 $2^N = 2^{25} = 33554432$
 $2^N = 2^{26} = 67108864$
 $2^N = 2^{27} = 134217728$
 $2^N = 2^{28} = 268435456$
 $2^N = 2^{29} = 536870912$
 $2^N = 2^{30} = 1073741824$
 $2^N = 2^{31} = 2147483648$

Subnet ID
172.31.126.00000000
000001
111101
111110
111111

Broadcast
172.31.126.0/30
172.31.126.4/30
172.31.126.244/30 → 4
172.31.126.248/30 → 4
172.31.126.252/30 → 4