

Class A N.H.H.H /8

Class B N.N.H.H /16

Class C N.N.N.H /24

7 departments / VPC

her dep./VPC ~300 host

148.37.0.0 /16 --> 1 Network, $2^{16} - 2 \sim 65534$ host/network

10010100.00100101.00000000.00000000	reserved 148.37.0.0
10010100.00100101.00010000.00000000	148.37.16.0
10010100.00100101.00100000.00000000	148.37.32.0
10010100.00100101.00110000.00000000	148.37.48.0
10010100.00100101.01000000.00000000	148.37.64.0
10010100.00100101.01010000.00000000	148.37.80.0
10010100.00100101.01100000.00000000	148.37.96.0
10010100.00100101.01110000.00000000	148.37.112.0
10010100.00100101.10000000.00000000	148.37.128.0
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10010100.00100101.11110000.00000000	reserved 148.37.240.0

LAN-1 / VPC-1

10010100.00100101.00010000.00000000	148.37.16.0	loopback
10010100.00100101.00010000.00000001	148.37.16.1	
10010100.00100101.00010000.00000010	148.37.16.2	
10010100.00100101.00010000.00000011	148.37.16.3	

10010100.00100101.00010000.00000100	148.37.16.4
10010100.00100101.00010000.00000101	148.37.16.5
10010100.00100101.00010000.00000110	148.37.16.6
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10010100.00100101.00010000.11111111	148.37.16.255
10010100.00100101.00010001.00000000	148.37.17.0
10010100.00100101.00010001.00000001	148.37.17.1
10010100.00100101.00010001.00000010	148.37.17.2
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10010100.00100101.00010001.00101101	148.37.17.45
10010100.00100101.00011111.11111111	148.37.31.255 b/c
LAN-2 / VPC-2	
10010100.00100101.00100000.00000000	148.37.32.0 reserved

10010100.00100101.00100000.00000001	148.37.32.1
10010100.00100101.00100000.00000010	148.37.32.2
10010100.00100101.00100000.00000011	148.37.32.3
10010100.00100101.00100000.00000100	148.37.32.4
10010100.00100101.00100000.00000101	148.37.32.5
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10010100.00100101.00100000.11111111	148.37.32.255
10010100.00100101.00100001.00000110	148.37.33.0
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10010100.00100101.00100001.00101101	148.37.33.45
10010100.00100101.00101111.11111111	148.37.47.255

148.37.56.43 255.255.240.0 subnet mask

10010100.00100101.00111000.00101011

11111111.11111111.11110000.00000000

----- Logical AND

10010100.00100101.00110000.00000000 148.37.48.0

CIDR: ClassLESS InterDomain Routing

148.37.56.43 /20

T T : T
F T : F
T F : F
F F : F