

IP Network prefix
192.168.123.0/24
or 192.168.123.0 (class C)

11000000 10101000 01111011	00000000
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network number
24 bits

host
number
8 bits

IP Address
192.168.123.17

11000000 10101000 01111011	00010001
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(host number 17 on network
192.168.123.0/24)