

Simple Way to find out Network ID

What is the network ID of the IP address 10.53.103.221/15 ?

10 • 53 • 103 • 221 / 15

How can we solve this question ?

In Which Octet blongs / 15

Answer : Octet 2

What is the vlaue of this Octet in Given IP Address ?

Answer : 53

Bit Position

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
128	64	32	16	8	4	2	1	128	64	32	16	8	4	2	1	128	64	32	16	8	4	2	1	128	64	32	16	8	4	2	1

Bit Value

What is the bit Value at / 15

Answer : 2

The network ID of the IP address 10.53.103.221/15 is

10 • ?? • 0 • 0 / 15

?? = (53 / 2) * 2

?? = (26) * 2

?? = 52

26
2 53
4 13
12
1

The network ID of the IP address 10.53.103.221/15 is

10 • 52 • 0 • 0 / 15

Do it Yourself

What is the network ID of the IP address 172.25.138.228/19?

172 • 25 • 138 • 228 / 19

In Which Octet blongs /

Answer : Octet

What is the vlaue of this Octet in Given IP Address ?

Answer :

Bit Position

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
128	64	32	16	8	4	2	1	128	64	32	16	8	4	2	1	128	64	32	16	8	4	2	1	128	64	32	16	8	4	2	1

Bit Value

What is the bit Value at /

Answer :

The network ID of the IP address 172.25.138.228 is

• • • /

?? = (/) *

?? = () *

?? =

The network ID of the IP address 172.25.138.228 is

• • • /

What is the network ID of the IP address 15.26.132.88/29?

15 • 26 • 132 • 88 / 29

In Which Octet blongs /

Answer : Octet

What is the vlaue of this Octet in Given IP Address ?

Answer :

Bit Position

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
128	64	32	16	8	4	2	1	128	64	32	16	8	4	2	1	128	64	32	16	8	4	2	1	128	64	32	16	8	4	2	1

Bit Value

What is the bit Value at /

Answer :

The network ID of the IP address 15.26.132.88/29 is

• • • /

?? = (/) *

?? = () *

?? =

The network ID of the IP address 15.26.132.88/29 is

• • • /