

# IPv4 Subnetting Cheat Sheet

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## Tabla rápida de subredes (CIDR)

CIDR	Máscara	Hosts totales	Hosts utilizables	Wildcard
/8	255.0.0.0	16,777,216	16,777,214	0.255.255.255
/9	255.128.0.0	8,388,608	8,388,606	0.127.255.255
/10	255.192.0.0	4,194,304	4,194,302	0.63.255.255
/11	255.224.0.0	2,097,152	2,097,150	0.31.255.255
/12	255.240.0.0	1,048,576	1,048,574	0.15.255.255
/13	255.248.0.0	524,288	524,286	0.7.255.255
/14	255.252.0.0	262,144	262,142	0.3.255.255
/15	255.254.0.0	131,072	131,070	0.1.255.255
/16	255.255.0.0	65,536	65,534	0.0.255.255
/17	255.255.128.0	32,768	32,766	0.0.127.255
/18	255.255.192.0	16,384	16,382	0.0.63.255
/19	255.255.224.0	8,192	8,190	0.0.31.255
/20	255.255.240.0	4,096	4,094	0.0.15.255
/21	255.255.248.0	2,048	2,046	0.0.7.255
/22	255.255.252.0	1,024	1,022	0.0.3.255
/23	255.255.254.0	512	510	0.0.1.255
/24	255.255.255.0	256	254	0.0.0.255
/25	255.255.255.128	128	126	0.0.0.127
/26	255.255.255.192	64	62	0.0.0.63
/27	255.255.255.224	32	30	0.0.0.31
/28	255.255.255.240	16	14	0.0.0.15
/29	255.255.255.248	8	6	0.0.0.7
/30	255.255.255.252	4	2	0.0.0.3

## Fórmulas rápidas

Hosts totales =  $2^{(32 - \text{prefijo})}$

Hosts utilizables =  $2^{(32 - \text{prefijo})} - 2$

Subredes posibles =  $2^{(\text{bits prestados})}$

Wildcard mask = NOT(máscara de subred)

Rango	CIDR	Hosts
10.0.0.0 – 10.255.255.255	10.0.0.0/8	16,777,214
172.16.0.0 – 172.31.255.255	172.16.0.0/12	1,048,574
192.168.0.0 – 192.168.255.255	192.168.0.0/16	65,534

## Clases de red históricas

Clase	Primer octeto	Máscara por defecto
A	1 – 126	255.0.0.0 (/8)
B	128 – 191	255.255.0.0 (/16)
C	192 – 223	255.255.255.0 (/24)
D	224 – 239	Multicast
E	240 – 255	Reservada

Generado por la Calculadora de Subredes IPv4 de IT Experts de México — [www.itxperts.com.mx/herramientas/calculadora-subredes-ipv4](http://www.itxperts.com.mx/herramientas/calculadora-subredes-ipv4)

Este documento es informativo. Valide siempre los cálculos en su entorno de red real.