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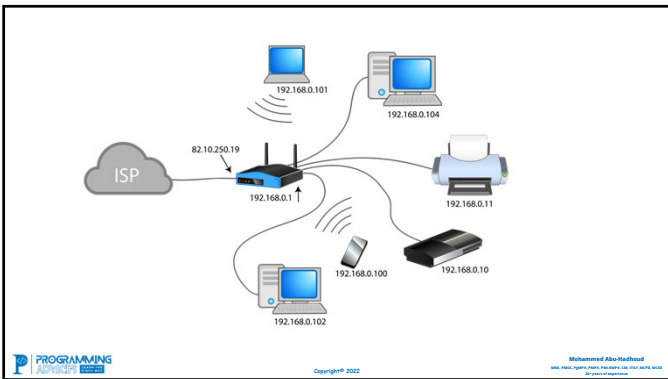
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203.177.100.2

IP

→


Network ID

→

Host (Device) ID

**Network Identifier:** The first part of the IP address is the network identifier that identifies the network segment in which the computer is located. The same network identifier is required for all computers in the same segment, just as all houses in a particular county must have the same postal code.

**Host identifier:** The second part of the IP address is the host identifier, which identifies a computer, router, or other device within a segment. The host identifier must be unique within the network segment, just as the street name for a house within the postcode area must be unique.

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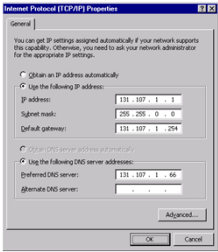
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Subnet Mask



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IP

0 . 0 . 0 . 0

4 Bytes

00000000 00000000 00000000 00000000

**CIDR (Classless Inter-Domain Routing)**

<b>Class A/8</b>	11111111	00000000	00000000	00000000	Network ID	Host ID
Subnet Mask	255	0	0	0	255 . 0 . 0 . 0	2 <sup>24</sup> IP Addresses (16,777,216) Host
<b>Class B/16</b>	11111111	11111111	00000000	00000000	Network ID	Host ID
Subnet Mask	255	255	0	0	255 . 255 . 0 . 0	2 <sup>16</sup> IP Addresses (65,536) Host
<b>Class C/24</b>	11111111	11111111	11111111	00000000	Network ID	Host ID
Subnet Mask	255	255	255	0	255 . 255 . 255 . 0	2 <sup>8</sup> IP Addresses (255) Host

IP address:


131.107.1.1

Subnet mask:

255.255.0.0

Default gateway:

131.107.1.254

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# Subnet Mask

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