

# Dotted Decimal Notation

01101000110100010011110110101001

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01101000110100010011110110101001

01101000 11010001 00111101 10101001

# Dotted Decimal Notation

01101000110100010011110110101001

01101000 11010001 00111101 10101001

104 209 61 169

# Dotted Decimal Notation

01101000110100010011110110101001

01101000 11010001 00111101 10101001

104 209 61 169

104.209.61.169

# Classful Addressing

01101000110100010011110110101001

# Classful Addressing

01101000110100010011110110101001

01101000110100010011110110101001

Class A

# Classful Addressing

01101000110100010011110110101001

01101000110100010011110110101001

Class A

Split after 8 bits:

01101000110100010011110110101001

Network

Host

# Special: Network Address

01101000110100010011110110101001



# Special: Network Address

01101000110100010011110110101001

01101000110100010011110110101001

# Special: Network Address

01101000110100010011110110101001

01101000110100010011110110101001

All 0's host portion

01101000000000000000000000000000

104.0.0.0

# Classful Addressing

1100100011111100001000100111110

# Classful Addressing

11001000111111100001000100111110

**110**01000111111100001000100111110

**Class C**

# Classful Addressing

1100100011111100001000100111110

1100100011111100001000100111110

Class C

Split after 24 bits:

1100100011111100001000100111110

Network

Host

200.254.17.62

# Special: Directed Broadcast

1100100011111100001000100111110

# Special: Directed Broadcast

11001000111111100001000100111110

11001000111111100001000100111110

# Special: Directed Broadcast

11001000111111100001000100111110

11001000111111100001000100111110

All 1's host portion

11001000111111100001000111111111

200.254.17.255



# Classless Addressing

Address: 01101000110100010011110110101001

Mask: 11111111111111110000000000000000

# Classless Addressing

Address: 01101000110100010011110110101001

Mask: 11111111111111110000000000000000

255.255.192.0 or /18

# Classless Addressing

Address: 01101000110100010011110110101001

Mask: 11111111111111110000000000000000

255.255.192.0 or /18

Address: 01101000110100010011110110101001

104.209.61.169/18

# Classless Addressing

Address: 01101000110100010011110110101001

Mask: 11111111111111110000000000000000

255.255.192.0 or /18

Address: 01101000110100010011110110101001

104.209.61.169/18

Network: 01101000110100010000000000000000

104.209.0.0/18

# Classless Addressing

Address: 01101000110100010011110110101001

Mask: 11111111111111110000000000000000

255.255.192.0 or /18

Address: 01101000110100010011110110101001

104.209.61.169/18

Network: 01101000110100010000000000000000

104.209.0.0/18

Broadcast: 01101000110100010011111111111111

104.209.63.255/18

# Special: Localhost (Loopback)

0111111100000000000000000000000000000001

127.0.0.1

127.0.0.2

127.0.1.1

...

Loopback address: yourself



