

# 28 IPv6 Addresses

How many hex digits in an IPv6 address	
How many groups of 4 hex digits	
How many bits in an IPv6 address	
How many bits in an IPv4 address	

## Abbreviation

2001:0DB8:0000:0000:0000:0000:0000:0001	
2001:0DB8:0003:0000:0000:0058:0000:0234	
FEDE:87AC:02FE:7829:0000:0000:0000:0012	
2001:0DB8:0E00:0000:0000:0000:0100:0008	
FF02:0000:0000:0000:0000:0000:0000:0005	
	FE80::1234:5678
	FE80:28:12::AF
	FDAC:8F3::1
	2001:DB8:0:1::2

## Address & Length

## Prefix

FEDE:87AC:2FE:7829:0000:0000:0000:0012/64	
2001:0DB8:0000:0000:0000:0000:0000:0001/64	
2001:0DB8:0003:0000:0000:0058:0000:0234/64	
2001:DB8:E00::100:8/48	
FDAC:8F3::1/54	
2001:DB8:0:4::2/62	
FE80:28:12::AF/10	
FE80:28:12::AF/46	
2001:DB8:E00::100:8/40	

## IPv4 Routing Protocol

## IPv6 Routing Protocol

EIGRP	
OSPF	
RIP	
BGP	