

# Misc

## Protocol numbers

In the IPv4 [RFC791], there is a field called “**Protocol**” to identify the next level protocol. This is an 8 bit field. In IPv6 [RFC2460], this field is called the “**Next Header**” field.

#	Protocol	Protocol's Full Name
1	ICMP	Internet Control Message Protocol
2	IGMP	Internet Group Management
4	IPv4	IPv4 encapsulation Protocol
6	TCP	Transmission Control Protocol
17	UDP	User Datagram Protocol
41	<b>IPv6</b>	<b>IPv6 encapsulation</b>
42	IPv6	SDRPSource Demand Routing Protocol
43	IPv6-Route	Routing Header for IPv6
44	IPv6-Frag	Fragment Header for IPv6
47	GRE	General Routing Encapsulation
58	IPv6-ICMP	ICMP for IPv6
121	SMP	Simple Message Protocol