

Figure 2.4 TCP/IP Concepts

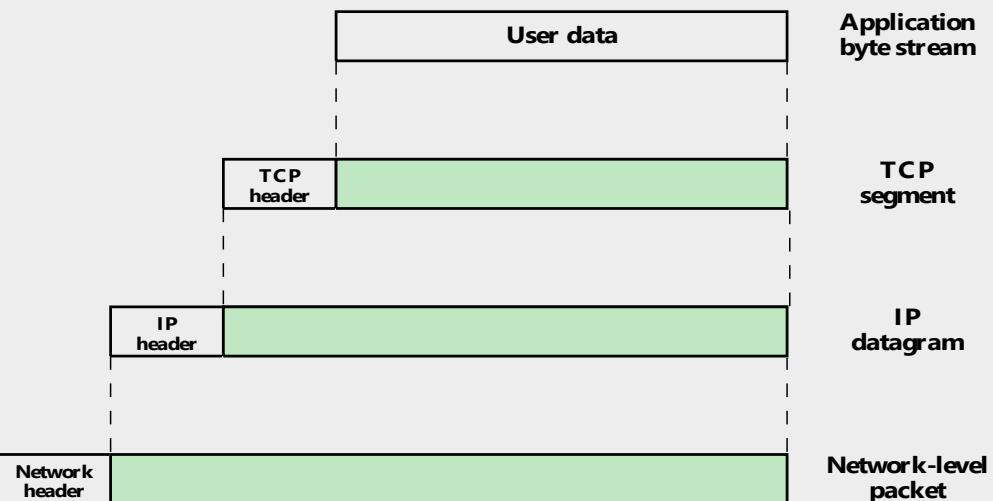
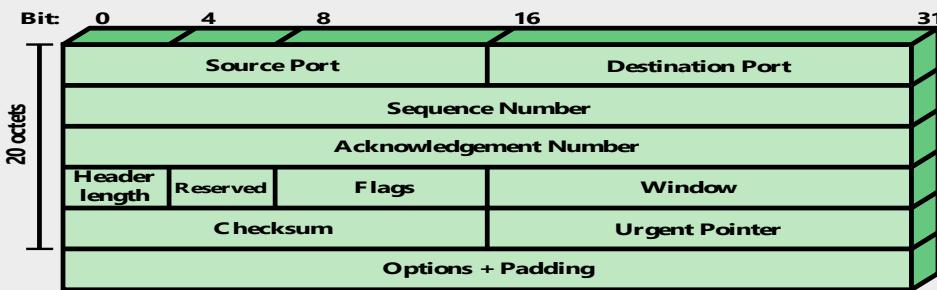
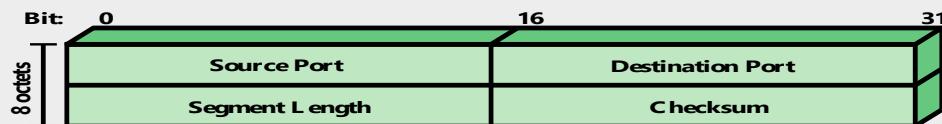


Figure 2.5 Protocol Data Units (PDUs) in the TCP/IP Architecture

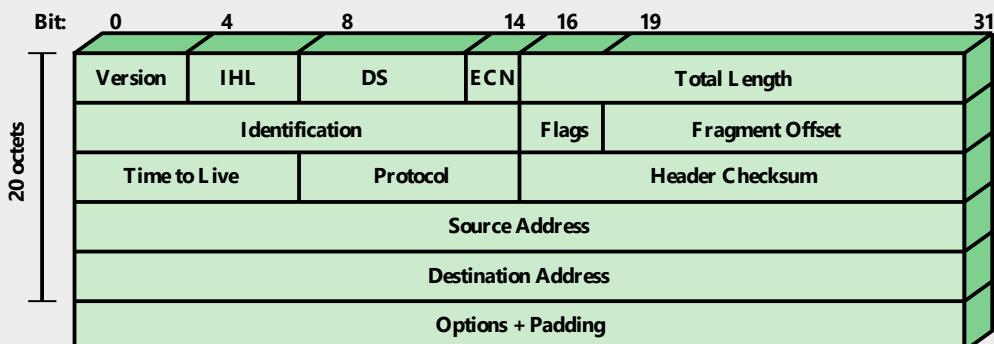


(a) TCP Header

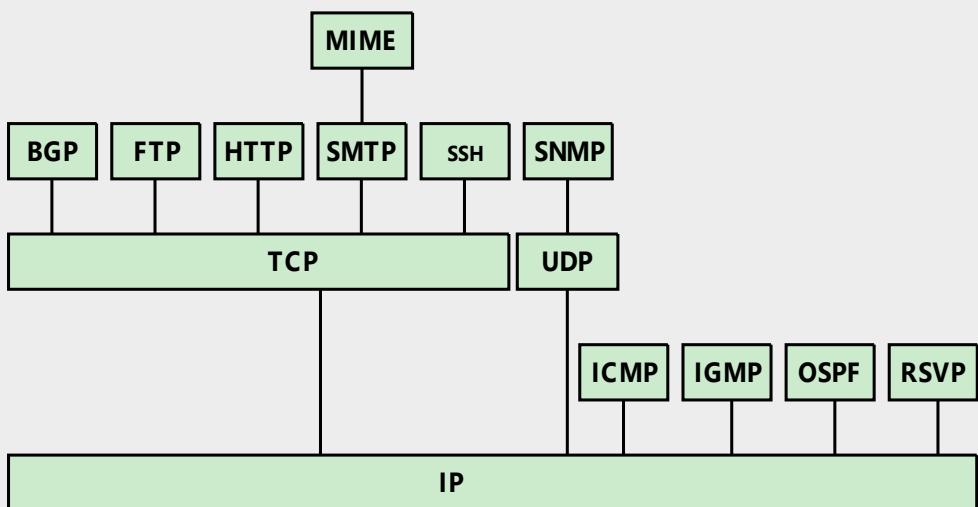


(b) UDP Header

Figure 2.6 TCP and UDP Headers



(a) IPv4 Header



BGP = Border Gateway Protocol

FTP = File Transfer Protocol

HTTP = Hypertext Transfer Protocol

ICMP = Internet Control Message Protocol

IGMP = Internet Group Management Protocol

IP = Internet Protocol

MIME = Multipurpose Internet Mail Extension

OSPF = Open Shortest Path First

RSVP = Resource ReSerVation Protocol

SMTP = Simple Mail Transfer Protocol

SNMP = Simple Network Management Protocol

SSH = Secure Shell

TCP = Transmission Control Protocol

UDP = User Datagram Protocol

Figure 2.8 Some Protocols in the TCP/IP Protocol Suite