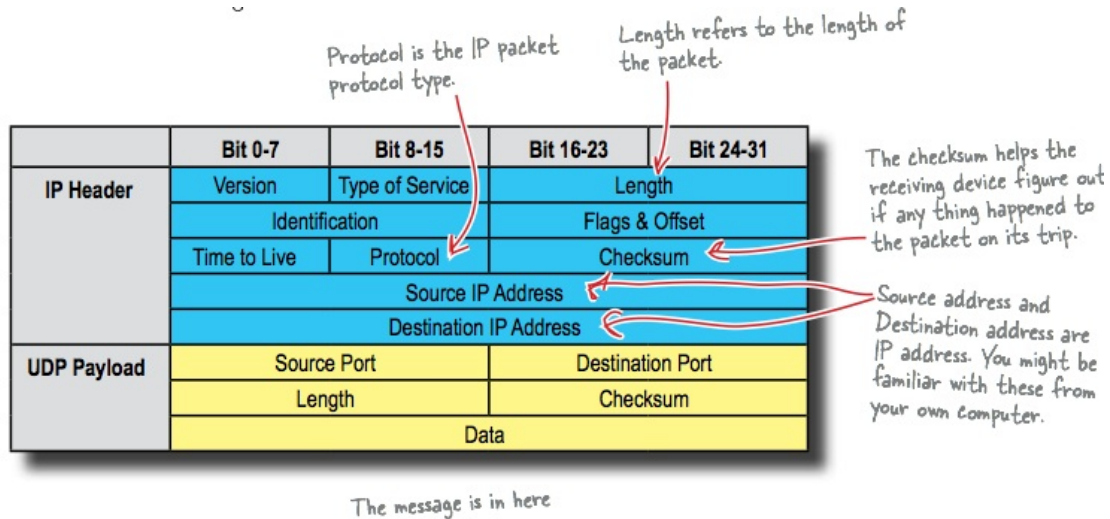


## Protocoalele UDP, ICMP, TCP

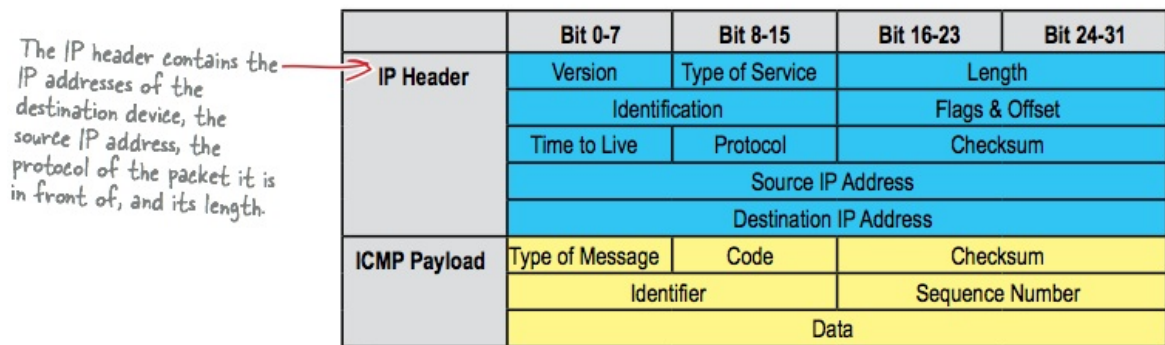
### Protocolul UDP

Exista doua tipuri de servicii : transmisie cu controlul conexiuni si transmisie fara controlul conexiunii. Protocolul UDP este folosit in streaming : muzica sau video.



### Protocolul ICMP

Protocolul ICMP este folosit pentru testarea conexiunii retelei folosind programul ping.



## Protocolul TCP

Este folosit pentru majoritatea retelelor de comunicatie care au nevoie de o conexiune sigura.

	Bit 0-7	Bit 8-15	Bit 16-23	Bit 24-31
IP Header	Version	Type of Service	Length	
	Identification		Flags & Offset	
	Time to Live	Protocol	Checksum	
	Source IP Address			
	Destination IP Address			
	TCP Payload	Source Port		Destination Port
Sequence Number				
Acknowledgement Number				
Header Length		Flags	Window	
Checksum		Urgent Pointer		
Options				
Data				

All this information is what makes TCP a reliable protocol.