Tcp ip or five layer internet protocol stack

Application
Transport
Network
Datalink
Physical

Osi model

Application
Presentation
Session
Transport
Network
Link
Physical

Transport layer = segment
Network layer = convert segment into datagrams and it include the IP .and routing protocols
Link layer - routes datagram through a series of routers. Examples are ethernet ,wifi and cable access, these packets in link layer is known as frames
Transport layer - depends on actual transmission than protocols, fiber optics, wire
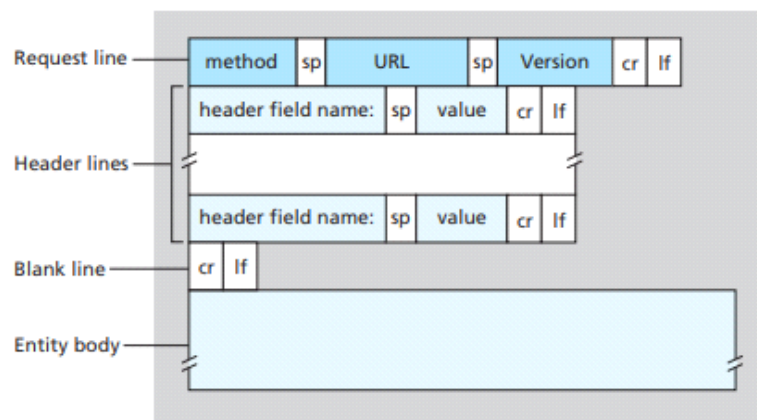Internet protocol - contains 2 components - ip header and payload

Figure 2.8 ♦ General format of an HTTP request message

HTTP Response Message

HTTP/1.1 200 OK
Connection: close
Date: Tue, 09 Aug 2011 15:44:04 GMT
Server: Apache/2.2.3 (CentOS)
Last-Modified: Tue, 09 Aug 2011 15:11:03 GMT
Content-Length: 6821
Content-Type: text/html
(data data data data data ...)

Let's take a careful look at this response message. It has three sections: an initial status line, six header lines, and then the entity body
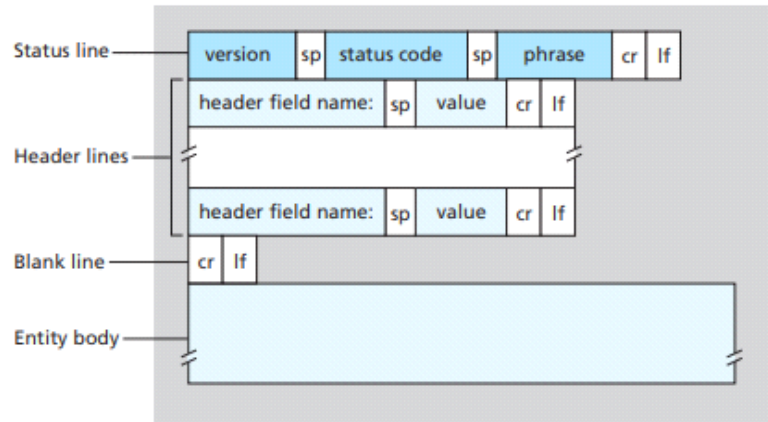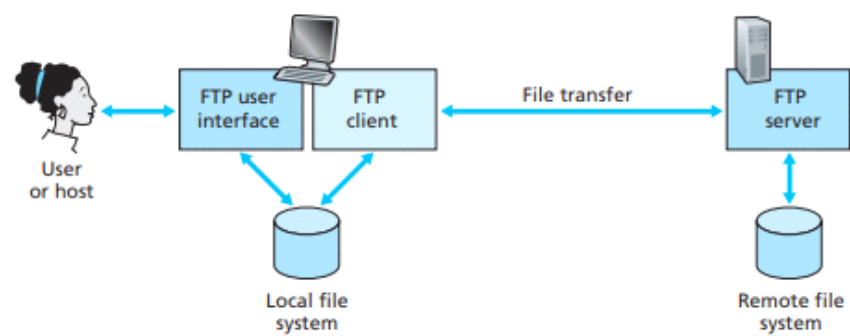

Figure 2.9 ♦ General format of an HTTP response message

Figure 2.14 ♦ FTP moves files between local and remote file systems