Internet

-invented by Tim Berners-Lee

-jointly developed by W3C and the IETF

VERSION HISTORY

* HTTP 0.9 (1991)
* HTTP 1.0 (RFC 1945, May 1996)
* HTTP 1.1 (RFC 2068 Jan 1997, RFC 2616 Jun 1999), RFC 7230-7235 (Jun 2014)
* HTTP 2 (RFC 7540 May 2015)
* SPDY –Standard published by google
* HTTP runs on top of TCP/IP, using TCP port 80 by default, or TCP port 443 for HTTPS (HTTP over SSL/TLS)
* HTTP is based on client-server architecture
* HTTP uses a request-response standard protocol

-the client sends an HTTP request message to the server

- the server processes the request and replies with an HTTP response message

* HTTP is a stateless communications protocol
* Servers do not keep information about clients in between requests
* HTTP provides support for other functionalities like:
* Cache control
* Content media type (MIME) specification
* Language and character set specification
* Content/ transfer codings
* Content negotiation
* Client-server protocol negotiations
* Persistent connections
* Request pipelining
* Authentication/ authorization