Difference Between HTTP1.1 and HTTP2

HTTP – Hypertext Transfer Protocol used for fetching resource such as HTML documents. It is the foundation for any data exchange between the Client and the server.

TCP – Transmission Control Protocol

- HTTP1.1 Uses multiple TCP connections for the requests of the client whereas the HTTP2 is multiplexed, and it uses only one TCP connection for multiple resource.
- HTTP1.1 uses multiple TCP connection this leads the browser to congestion which harms the network, performance and culminating of poor experience.
- HTTP2 is highly compactable with HTTP1.1.
- HYYP1.1 uses multiple TCP connection, in which one will be executed after the other. In this if the first TCP fails then no further request/ resources will be loaded.
- Although both HTTP1.1 and HTTP2 uses header compression while HTTP2 uses advance header compression called HPACK as it is sent between browser and server in one TCP connection.
- HTTP2 uses binary code to which is more compact than the text which is used by HTTP1.1, also HTTP2 allows ALPN extension which allows faster encrypted connection and decreased loading time; hence HTTP2 is less prone to errors.
- HTTP2 uses PUSH which allows server to send additional cacheable information to the client that isn’t requested.