**HTTP**:

HTTP stands for hypertext transfer protocol, and it is the basis for almost all web applications. More specifically, HTTP is the method computers and servers use to request and send information.

The first usable version of HTTP was created in 1997. Because it went through several stages of development, this first version of HTTP was called HTTP/1.1. This version is still in use on the web. In 2015, a new version of HTTP called HTTP/2 was created.

**HTTP 1.1**

• It was released in 1997.

• It uses text-based commands for HTTP requests.

• It added many performance enhancements. For example., caching, request pipelining, keepalive connections, transfer encoding, byte range requests etc.

• It can load one requests at a time. Hence one request per one TCP connection is possible.

**HTTP 2**

• It was released in Feb. 2015 by IETF.

• It is binary and not textual.

• It is fully multiplexed.

• It interleaves multiple requests/responses in parallel without blocking on anyone.

• It uses single TCP connection to deliver multiple requests/responses (in parallel).

• It uses header compression in order to reduce overhead.

• It allows servers to "push" responses into client caches proactively.

• It removes unnecessary HTTP/1.x work-arounds. For example., Image sprites, domain sharing etc.

• It is less error prone than HTTP/1.