**HTTP**

The Hypertext Transfer Protocol (HTTP) is the foundation of the World Wide Web and is used to load webpages using hypertext links. It works on the application layer to transfer information between network devices.

**HTTP 1.1**

The third version of HTTP called HTTP 1.1 devolved in 1995.HTTP/1.1 loads resources one after the other, so if one resource cannot be loaded, it blocks all the other resources behind it. It uses textual protocol and consumes more bandwidth.

HTTP 2

The latest version of HTTP is called HTTP 2 and was developed in 2015.HTTP 2 can use a single TCP connection to send multiple data streams simultaneously so that no one resource blocks another. It uses binary protocol and consumes less bandwidth. Web browsers only support HTTP/2 via encrypted connections, increasing user and application security.

| **HTTP/1.1** | **HTTP/2** |
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| It works in the textual format. | It works on the binary protocol. |
| There is head-of-line blocking that blocks all the requests behind it until it doesn’t get its all resources. | It allows multiplexing so one TCP connection is required for multiple requests. |
| It uses requests resource Inlining for use getting multiple pages | It uses a PUSH frame by the server that collects all multiple pages |
| It compresses data by itself. | It uses HPACK for data compression |