**HTTP 1.1 vs HTTP2**

**What is HTTP?**

The Hypertext Transfer Protocol (HTTP) is the foundation of the World Wide Web, and is used to load webpages using hypertext links. HTTP is an application layer protocol designed to transfer information between networked devices and runs on top of other layers of the network protocol stack. A typical flow over HTTP involves a client machine making a request to a server, which then sends a response message.

**Difference between HTTP1.1 vs HTTP2:**

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| **HTTP 1.1** | **HTTP2** |
| 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 use on the web. | In 2015, a new version of HTTP called HTTP/2 was created. HTTP/2 solves several problems that creators of HTTP/1.1 did not anticipate. |
| HTTP/1.1 loads resources one after the other, so if one resource cannot be loaded, it blocks all the other resources behind it. | HTTP/2 is able to use a single TCP connection to send multiple streams of data at once so that no one resource blocks any other resource. |
| In HTTP/1.1 each request had to wait for a response before the next request Could be sent | HTTP/2 uses multiplexing to allow multiple concurrent requests and responses over a single TCP Connection |
| It works on the textual format. It compresses data by itself | It works on the binary protocol. It uses HPACK for data compression. |