**Difference Between HTTP 1 & HTTP 2**

**What is 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.

|  |  |
| --- | --- |
| **HTTP 1** | **HTTP 2** |
| * The First version of HTTP was created in 1997 | * The First version of HTTP 2 was created in 2015 |
| * HTTP 1 was Not Much Faster and Less Efficient Compared to HTTP 2 | * HTTP 2 is much faster and more efficient than HTTP1 |
| **Prioritization:**   * Prioritization was Not Possible in HTTP 1 | **Prioritization:**   * Prioritization was Possible in HTTP 1 * HTTP 2 offers a feature called weighted prioritization. This allows developers to decide which page resources will load first, every time. |
| **Multiplexing:**   * In HTTP 1 loads resources one after the other, so if one resource cannot be loaded, it blocks all the other resources behind it | **Multiplexing:**   * In contrast, 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. |
| **Server Push:**   * In HTTP 1, a server only serves content to a client device if the client asks for it. | **Server Push:**   * HTTP 2 solves this problem by allowing a server to "push" content to a client before the client asks for it |
| **Header Compression:**   * In HTTP 1, Header Compression Works and It Compresses Larger HTTP Message to Smaller. | **Header Compression:**   * In HTTP 2, Header Compression Works and It Compresses Larger HTTP Message to Smaller. * HTTP/2 uses a more advanced compression method called HPACK that eliminates redundant information in HTTP header packets. This eliminates a few bytes from every HTTP packet. |