

## CN LAB QUIZ 2

What is the length of the text for The Bill of Rights in bytes? How do you justify this length of text when your Response Packet Size is only 490 bytes? Give a complete explanation how the length of text in various packets add up to a total of 4500 Bytes.

### Answer:

Request was too large to fit on single packet, hence data was sent using multiple TCP packets. The length of the text for The Bill of Rights in bytes = 4500 bytes.

Its coming from the sum of the payloads in Reassembled TCP segments (packets 10, 11, 13, and 14) that total [Reassembled TCP length: 4816], with 4500 bytes accounting for the actual content and the rest for headers etc.

```
ETag: "1bff2-1194-96813940"\r\n
Accept-Ranges: bytes\r\n
> Content-Length: 4500\r\n
Keep-Alive: timeout=10, max=100\r\n
Connection: Keep-Alive\r\n
```

Justify this length:

3 of packets had 1460 bytes , the fourth [packet had 436 bytes of content.

```
[4 Reassembled TCP Segments (4816 bytes): #10(1460),
[Frame: 10, payload: 0-1459 (1460 bytes)]
[Frame: 11, payload: 1460-2919 (1460 bytes)]
[Frame: 13, payload: 2920-4379 (1460 bytes)]
[Frame: 14, payload: 4380-4815 (436 bytes)]
```

thus total length is 4816 bytes of content. the response is constructed by merging contents of each packet, thus total length of final response is 4816 bytes not 490.