<u>Understanding Persistent and Non-persistent HTTP</u> <u>Connections</u>

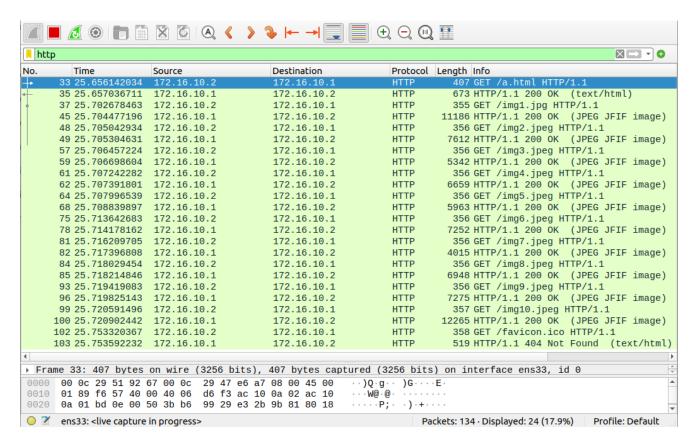
Name: Yaman Gupta SRN: PES2UG21CS619

SEM: 4 SEC: J

OBSERVATIONS:

Non-Persistent Connection:

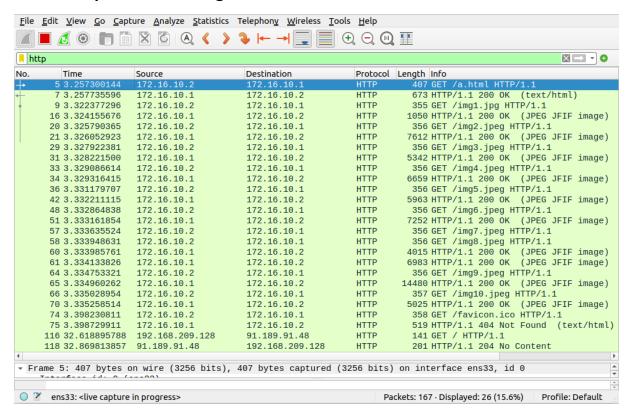
Time to capture all 10 images: 25.720902442-25.656142034 =0.064760408



Persistent Connection

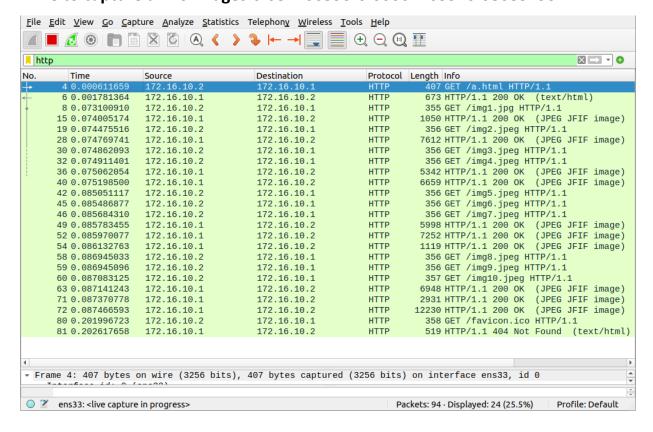
Max-Persistent Connection:2

Time to capture all 10 images: 3.335028954-3.257300144 = 0.07772881



Max-Persistent Connection:4

Time to capture all 10 images: 0.087466593-0.000611659=0.086854934



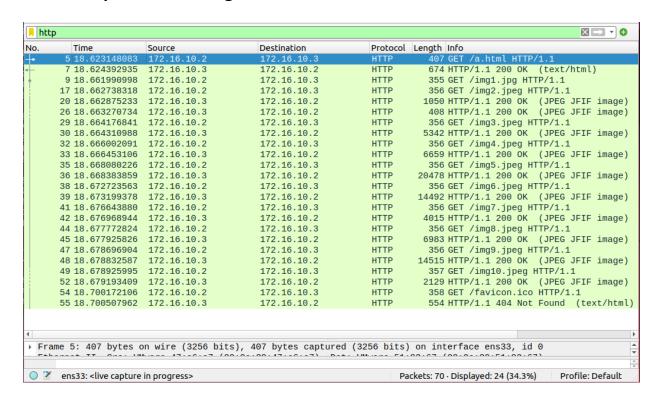
Max-Persistent Connections:6

Time to capture all 10 images: 0.059719981-0.000509132=0.059210849

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No.	Time	Source	Destination	Protocol	Length Info	
+	4 0.000509132	172.16.10.2	172.16.10.3	HTTP	407 GET /a.html HTTP/1.1	
4	6 0.001122448	172.16.10.3	172.16.10.2	HTTP	674 HTTP/1.1 200 OK (text/html)	
+	8 0.040404328	172.16.10.2	172.16.10.3	HTTP	355 GET /img1.jpg HTTP/1.1	
	17 0.041104394	172.16.10.3	172.16.10.2	HTTP	1050 HTTP/1.1 200 OK (JPEG JFIF image)	
	20 0.041186714	172.16.10.2	172.16.10.3	HTTP	356 GET /img2.jpeg HTTP/1.1	
	25 0.041446981	172.16.10.3	172.16.10.2	HTTP	408 HTTP/1.1 200 OK (JPEG JFIF image)	
	28 0.042405900	172.16.10.2	172.16.10.3	HTTP	356 GET /img3.jpeg HTTP/1.1	
	29 0.042617262	172.16.10.3	172.16.10.2	HTTP	5342 HTTP/1.1 200 OK (JPEG JFIF image)	
	31 0.049337891	172.16.10.2	172.16.10.3	HTTP	356 GET /img4.jpeg HTTP/1.1	
	32 0.049755264	172.16.10.3	172.16.10.2	HTTP	6659 HTTP/1.1 200 OK (JPEG JFIF image)	
	34 0.052226907	172.16.10.2	172.16.10.3	HTTP	356 GET /img5.jpeg HTTP/1.1	
	35 0.053138214	172.16.10.2	172.16.10.3	HTTP	356 GET /img6.jpeg HTTP/1.1	
	38 0.053692195	172.16.10.3	172.16.10.2	HTTP	14492 HTTP/1.1 200 OK (JPEG JFIF image)	
	39 0.053794472	172.16.10.3	172.16.10.2	HTTP	206 HTTP/1.1 200 OK (JPEG JFIF image)	
	42 0.055097516	172.16.10.2	172.16.10.3	HTTP	356 GET /img7.jpeg HTTP/1.1	
	43 0.055423065	172.16.10.3	172.16.10.2	HTTP	4015 HTTP/1.1 200 OK (JPEG JFIF image)	
	45 0.055905089	172.16.10.2	172.16.10.3	HTTP	356 GET /img8.jpeg HTTP/1.1	
	46 0.056182698	172.16.10.3	172.16.10.2	HTTP	6983 HTTP/1.1 200 OK (JPEG JFIF image)	
	48 0.057392788	172.16.10.2	172.16.10.3	HTTP	356 GET /img9.jpeg HTTP/1.1	
	49 0.057703785	172.16.10.3	172.16.10.2	HTTP	14515 HTTP/1.1 200 OK (JPEG JFIF image)	
	51 0.059418091	172.16.10.2	172.16.10.3	HTTP	357 GET /img10.jpeg HTTP/1.1	
	52 0.059719981	172.16.10.3	172.16.10.2	HTTP	12265 HTTP/1.1 200 OK (JPEG JFIF image)	
	54 0.102782907	172.16.10.2	172.16.10.3	HTTP	358 GET /favicon.ico HTTP/1.1	
	55 0.103076977	172.16.10.3	172.16.10.2	HTTP	554 HTTP/1.1 404 Not Found (text/html)	
4						
	Frame 4: 407 bytes on wire (3256 bits), 407 bytes captured (3256 bits) on interface ens33, id 0					
ens33: ens33: 						
ensos. Auve capture in progress						

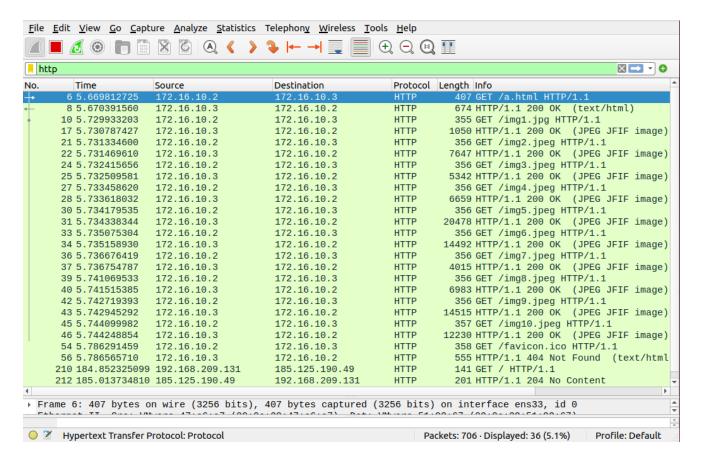
Max-Persistent Connections:8

Time to capture all 10 images:18.679193409-18.623148083=0.056045326



Max-Persistent Connections:10

Time to capture all 10 images:5.744248854-5.669812725=0.074436129



Conclusion:

Therefore, Max-Persistent Connections of 8 takes less time to capture all 10 images.

Time Taken: 0.056045326

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Date:18/03/2023