Forensics: Eat pcap

Description

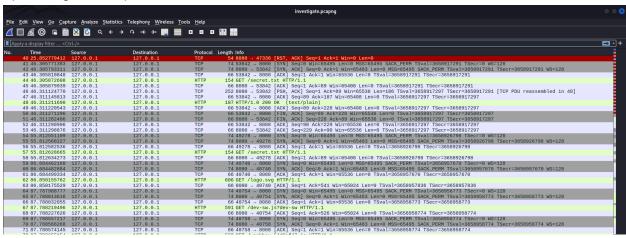
My Teacher told me https is more secure than http traffic. Thank you sir!!!

## Approach

This is the pcap file investigation challenge

Step 1:

Open the given Pcap file in wireshark



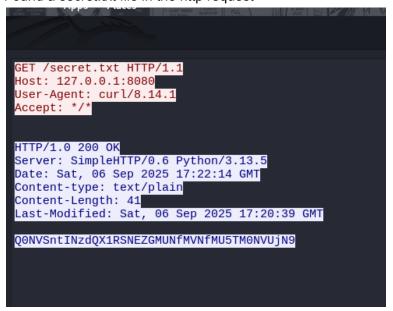
Step2

Search for any http or FTP traffic

[in] (operation of ac					
No.	Time	Source	Destination	Protocol	Length Info
_	41 46.305771383	127.0.0.1	127.0.0.1	TCP	74 53842 - 8080 [SYN] Seq=0 Win=65495 Len=0 MSS=65495 SACK_PERM TSval=3658917291 TSecr=0 WS=128
	42 46.305793311	127.0.0.1	127.0.0.1	TCP	74 8080 - 53842 [SYN, ACK] Seq=0 Ack=1 Win=65483 Len=0 MSS=65495 SACK_PERM TSval=3658917291 TSecr=3658917291 WS=128
	43 46.305810848	127.0.0.1	127.0.0.1	TCP	66 53842 → 8080 [ACK] Seq=1 Ack=1 Win=65536 Len=0 TSval=3658917291 TSecr=3658917291
-	44 46.305872608	127.0.0.1	127.0.0.1	HTTP	154 GET /secret.txt HTTP/1.1
	45 46.305879939	127.0.0.1	127.0.0.1	TCP	66 8080 → 53842 [ACK] Seq=1 Ack=89 Win=65408 Len=0 TSval=3658917291 TSecr=3658917291
1	46 46.311124770	127.0.0.1	127.0.0.1	TCP	252 8080 → 53842 [PSH, ACK] Seq=1 Ack=89 Win=65536 Len=186 TSval=3658917297 TSecr=3658917291 [TCP PDU reassembled in 48]
	47 46.311145813		127.0.0.1	TCP	66 53842 - 8080 [ACK] Seq=89 Ack=187 Win=65408 Len=0 TSval=3658917297 TSecr=3658917297
+	48 46.311211698	127.0.0.1	127.0.0.1	HTTP	107 HTTP/1.0 200 OK (text/plain)
	49 46.311220543	127.0.0.1	127.0.0.1	TCP	66 53842 - 8080 [ACK] Seq=89 Ack=228 Win=65408 Len=0 TSval=3658917297 TSecr=3658917297
	50 46 311271296	127 0 0 1	127 0 0 1	TCP	66 53842 . 8880 [ETN ACK] Sec=89 Ack=228 Win=65536 Len=0 TSval=3658917297 TSecr=3658917297

Step 3:

Found a secret.txt file in the http request



## Step 4:

the file contain a string value most probably base64 So, encode it

```
$ echo -n 'Q0NVSntINzdQX1RSNEZGMUNfMVNfMU5TM0NVUjN9' | base64 -d
interlock RATTERPROPERTY

CCUJ{H77P_TR4FF1C_1S_1NS3CUR3}
```

Flag: CCUJ{H77P\_TR4FF1C\_1S\_1NS3CUR3}