

# ångstromCTF 2020

## Misc : WS1

Description : Find my password from this recording (:

Attachment : recording.pcapng

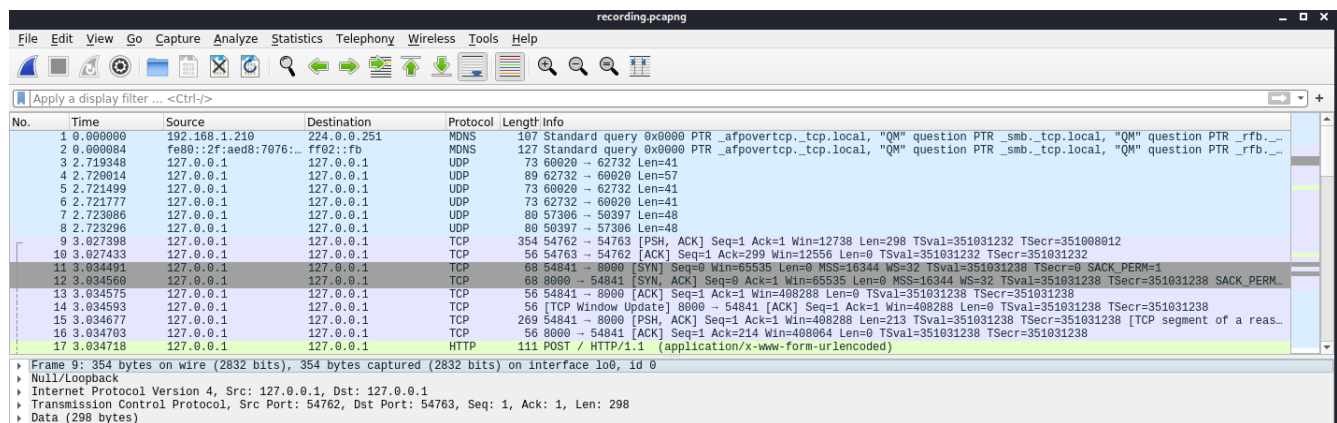
## Solution :

We can solve this challenge by only using “strings” and “grep” command for retrieve the flag.

```
kali@kali:~/Downloads$ strings recording.pcapng | grep "actf{"  
flagz,actf{wireshark_isn't_so_bad_huh-a9d8g99ikdf})
```

But once we find the flag, we see that the intended way is using “Wireshark”. Start wireshark and load the file.

You will find something like that.



Inside “Statistics > Conversations”, you can find two TCP packet.

Ethernet		IPv4 · 2		IPv6 · 1		TCP · 2		UDP · 8	
Address A	Port A	Address B	Port B	Packets	Bytes	Packets A → B	Bytes A → B	Packets B → A	Bytes B → A
127.0.0.1	54763	127.0.0.1	54762	4	547	2	137	2	410
127.0.0.1	54841	127.0.0.1	8000	26	2,128	13	1,008	13	1,120

The one with the better timeline communication contain the flag, its the one which start from port A (54763) to port B (54762). Right click on it and choose “Apply as filter > Selected > A ↔ B”.

The packet with the better length contain the flag.

ip.addr==127.0.0.1 && tcp.port==54763 && ip.addr==127.0.0.1 && tcp.port==54762						
No.	Time	Source	Destination	Protocol	Length	Info
9	3.027398	127.0.0.1	127.0.0.1	TCP	354	54762 → 54763 [PSH, ACK] Seq=1 Ack=1 Win=12738 Len=298 TSval=351031232 TSecr=351008012
10	3.027433	127.0.0.1	127.0.0.1	TCP	56	54763 → 54762 [ACK] Seq=1 Ack=299 Win=12556 Len=0 TSval=351031232 TSecr=351031232
37	3.079174	127.0.0.1	127.0.0.1	TCP	81	54763 → 54762 [PSH, ACK] Seq=1 Ack=299 Win=12556 Len=25 TSval=351031282 TSecr=351031232
38	3.079223	127.0.0.1	127.0.0.1	TCP	56	54762 → 54763 [ACK] Seq=299 Ack=26 Win=12737 Len=0 TSval=351031282 TSecr=351031282
Null/Loopback						
Internet Protocol Version 4, Src: 127.0.0.1, Dst: 127.0.0.1						
Transmission Control Protocol, Src Port: 54762, Dst Port: 54763, Seq: 1, Ack: 1, Len: 298						
Data (298 bytes)						
Data: 2601000000034b15580500000005155455545710028580400...						
Length: 298						
0030	14 ec 4f c0 14 eb f5 0c	26 01 00 00 00 03 4b 15	..0....&....K.			
0040	58 05 00 00 00 51 55 45	55 45 71 00 28 58 04 08	X...QUE UEq.(X..			
0050	00 00 05 78 65 63 71 01	58 07 00 00 00 72 75 6a	-execq. X...run			
0060	63 6f 64 65 71 02 63 69	64 6c 65 6c 69 62 2e 72	codeq-ci dlelib.r			
0070	70 63 0a 75 6e 70 69 63	6b 6c 65 5f 63 6f 64 65	pc-unpic kle code			
0080	0a 71 03 43 c5 e3 00 00	00 00 00 00 00 00 00 00	q-C.... ..			
0090	00 00 04 00 00 00 40 00	00 00 73 16 00 00 00 65	.....@. ..s...e			
00a0	00 6a 01 64 00 64 01 64	02 69 01 64 03 0d 92 5a	-j-d.d.d -i.d...Z			
00b0	02 64 04 53 00 29 05 7a	13 68 74 74 70 3a 2f 2f	-d.S.)-z -http://			
00c0	30 2e 30 2e 30 2e 30 3a	38 30 30 30 da 04 66 6c	0.0.0.0: 8000..f1			
00d0	61 67 7a 2c 61 63 74 66	7b 77 69 72 65 73 08 61	agz,actf {wiresha			
00e0	72 6b 5f 69 73 6e 27 74	5f 73 6f 5f 62 61 64 5f	rk isn't _so bad			
00f0	68 75 68 2d 61 39 64 38	67 39 39 69 6b 64 66 7d	huh-a9d8 g99ikdf}			
0100	29 01 da 04 64 61 74 61	4e 29 03 5a 08 72 65 71	)....data N).Z.req			
0110	75 65 73 74 73 da 04 70	6f 73 74 da 01 70 a9 00	uests..p ost..p..			
0120	72 05 00 00 00 72 05 00	00 00 fa 0b 3c 70 79 73	r.....r... ..<pys			

0.0.0.0: 8000..f1  
agz,actf {wiresha  
rk isn't \_so bad  
huh-a9d8 g99ikdf}

Flag : actf{wirehsark isn't\_so\_bad\_huh\_a9d8g99ikdf}