

byte

▼ 유형	NETWORK
▼ IsDockerizing?	NO
≡ flag	hsoc{60}
▼ 점수	50
≡ 출제자	김도훈

사용기술

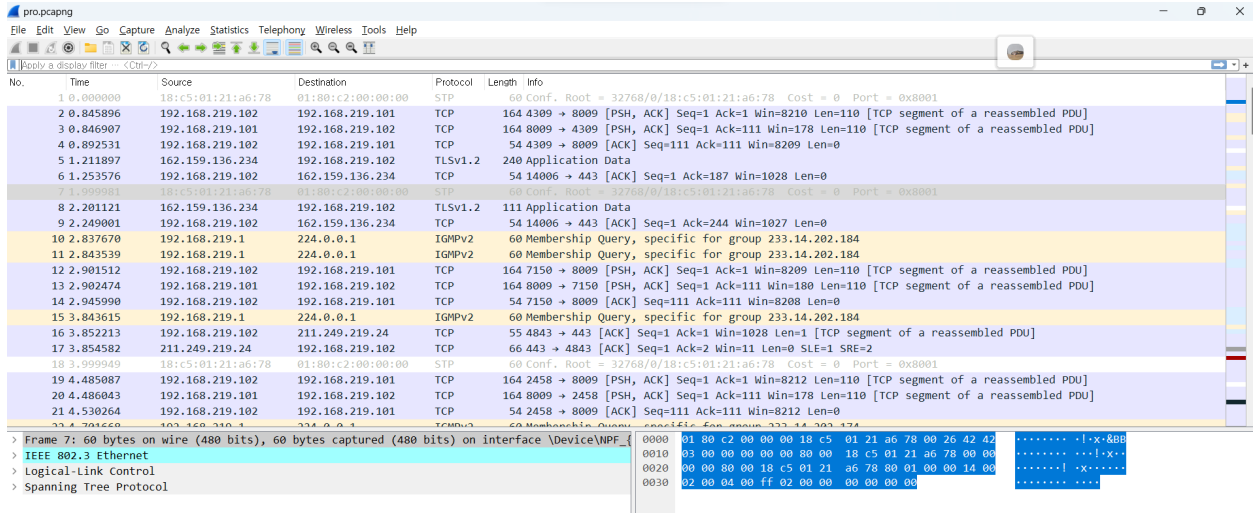
Wireshark

시나리오

pro파일을 다운받아준다. 이 파일에는 STP 프로토콜을 사용하는 패킷 4개가 있다.

각 4개의 패킷의 byte가 같다. 패킷의 byte를 찾아라.

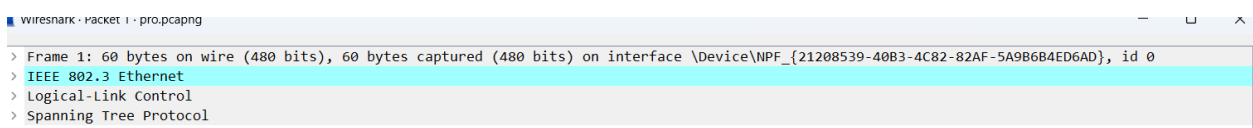
풀이



pro파일을 다운받으면 이 화면이 뜬다.

1	0.000000	18:c5:01:21:a6:78	01:80:c2:00:00:00	STP	60 Conf. Root = 32768/0/18:c5:01:21:a6:78
2	0.845896	192.168.219.102	192.168.219.101	TCP	164 4309 → 8009 [PSH, ACK] Seq=1 Ack=1 Win=8210 Len=110 [TCP segment of a reassembled PDU]
3	0.846907	192.168.219.101	192.168.219.102	TCP	164 8009 → 4309 [PSH, ACK] Seq=1 Ack=111 Win=178 Len=110 [TCP segment of a reassembled PDU]
4	0.892531	192.168.219.102	192.168.219.101	TCP	54 4309 → 8009 [ACK] Seq=111 Ack=111 Win=8209 Len=0
5	1.211897	162.159.136.234	192.168.219.102	TLSv1.2	240 Application Data
6	1.253576	192.168.219.102	162.159.136.234	TCP	54 14006 → 443 [ACK] Seq=1 Ack=187 Win=1028 Len=0
7	1.999949	18:c5:01:21:a6:78	01:80:c2:00:00:00	STP	60 Conf. Root = 32768/0/18:c5:01:21:a6:78 Cost = 0 Port = 0x8001
8	2.201121	162.159.136.234	192.168.219.102	TLSv1.2	111 Application Data
9	2.249001	192.168.219.102	162.159.136.234	TCP	54 14006 → 443 [ACK] Seq=1 Ack=244 Win=1027 Len=0
10	2.837670	192.168.219.1	224.0.0.1	IGMPv2	60 Membership Query, specific for group 233.14.202.184
11	2.843539	192.168.219.1	224.0.0.1	IGMPv2	60 Membership Query, specific for group 233.14.202.184
12	2.901512	192.168.219.102	192.168.219.101	TCP	164 7150 → 8009 [PSH, ACK] Seq=1 Ack=1 Win=8209 Len=110 [TCP segment of a reassembled PDU]
13	2.902474	192.168.219.101	192.168.219.102	TCP	164 8009 → 7150 [PSH, ACK] Seq=1 Ack=111 Win=180 Len=110 [TCP segment of a reassembled PDU]
14	2.945990	192.168.219.102	192.168.219.101	TCP	54 7150 → 8009 [ACK] Seq=111 Ack=111 Win=8208 Len=0
15	3.843615	192.168.219.1	224.0.0.1	IGMPv2	60 Membership Query, specific for group 233.14.202.184
16	3.852213	192.168.219.102	211.249.219.24	TCP	55 4843 → 443 [ACK] Seq=1 Ack=1 Win=1028 Len=1 [TCP segment of a reassembled PDU]
17	3.854582	211.249.219.24	192.168.219.102	TCP	66 443 → 4843 [ACK] Seq=1 Ack=2 Win=11 Len=0 SLE=1 SRE=2
18	3.999949	18:c5:01:21:a6:78	01:80:c2:00:00:00	STP	60 Conf. Root = 32768/0/18:c5:01:21:a6:78 Cost = 0 Port = 0x8001
19	4.485987	192.168.219.102	192.168.219.101	TCP	164 2458 → 8009 [PSH, ACK] Seq=1 Ack=1 Win=8212 Len=110 [TCP segment of a reassembled PDU]
20	4.486043	192.168.219.101	192.168.219.102	TCP	164 8009 → 2458 [PSH, ACK] Seq=1 Ack=111 Win=178 Len=110 [TCP segment of a reassembled PDU]
21	4.530264	192.168.219.102	192.168.219.101	TCP	54 2458 → 8009 [ACK] Seq=111 Ack=111 Win=8212 Len=0
22	4.791660	192.168.219.1	224.0.0.1	IGMPv2	60 Membership Query, specific for group 233.14.202.184

1, 18, 31, 71번의 패킷을 찾아준다.



```
Frame 7: 60 bytes on wire (480 bits), 60 bytes captured (480 bits) on interface  
IEEE 802.3 Ethernet  
Logical-Link Control  
Spanning Tree Protocol
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```
> Frame 31: 60 bytes on wire (480 bits), 60 bytes captured (480 bits) on  
> IEEE 802.3 Ethernet  
> Logical-Link Control  
> Spanning Tree Protocol
```

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> Frame 71: 60 bytes on wire (480 bits), 60 bytes captured (480 bits) on int  
> IEEE 802.3 Ethernet  
> Logical-Link Control  
> Spanning Tree Protocol
```

네 개의 패킷들을 클릭해보면 info를 알 수 있는데 전부다 60byte인 것을 알 수 있다.

따라서 플래그는 hsrc{60}이다.