

Bilgisayar Ağları Laboratuva rı 4

UDP

1. Qwq
 - i) Source port
 - ii) Destination port
 - iii) Length
 - iv) Checksum
2. UDP length 290 byte, data 282 byte, header 8 byte.
- 3.
4. $65536 - 1 - 8 = 65527$ byte
5. $2^{16} - 1 = 65535$

Filter: **udp** Expression... Clear Apply Save

No.	Time	Source	Destination	Protocol	Length	Info
247	22.6257910	192.168.2.4	192.168.2.255	NBNS	92	Name query NB ISATAP<00>
2133	21.8749810	192.168.2.4	192.168.2.255	NBNS	92	Name query NB ISATAP<00>
2102	20.8237450	192.168.2.4	192.168.2.255	NBNS	92	Name query NB ISATAP<00>
2091	20.0737550	192.168.2.4	192.168.2.255	NBNS	92	Name query NB ISATAP<00>
2067	19.3239900	192.168.2.4	192.168.2.255	NBNS	92	Name query NB ISATAP<00>
2040	18.7726750	192.168.2.4	192.168.2.255	NBNS	92	Name query NB ISATAP<00>

[D] Differentiated Services Field: 0x00 (DSCP 0x00: Default; ECN: 0x00: Not-ECT (Not ECN-Capable Transport))
 Total Length: 310
 Identification: 0x0000 (0)
 [D] Flags: 0x02 (Don't Fragment)
 Fragment offset: 0
 Time to live: 64
 Protocol: UDP (17)
 [D] Header checksum: 0xb461 [correct]
 [Good: True]
 [Bad: False]
 Source: 192.168.2.1 (192.168.2.1)
 Destination: 192.168.2.4 (192.168.2.4)
 [Source GeoIP: unknown]
 [Destination GeoIP: unknown]
 [D] User Datagram Protocol, Src Port: hpsdd (2207), Dst Port: 61743 (61743)

Offset	Time	Source	Destination	Protocol	Length	Info
0010	01 36 00 00 40 00 40	b4 61 c0 a8 02 01 c0 a8	.6..@.a	.a.....		
0020	02 04 08 9f f1 2f 01 22	ac 83 48 54 54 50 2f 31	/.	..HTTP/1		
0030	2e 31 20 32 30 30 20 4f	4b 0d 0a 4c 4f 43 41 54	.1 200 O K..LOCAT			
0040	49 4f 4e 3a 20 68 74 74	70 3a 2f 2f 31 39 32 2e	ION: htt p://192.			
0050	31 36 38 2e 32 2e 31 3a	35 35 33 34 35 2f 0d 0a	168.2.1: 55345/..			
0060	45 58 54 23 0d 03 52 45	52 56 45 52 23 20 50 4f	EXT: 55 0000: 00			

6. IP protokol no : 17
- 7.
8. UDP isteği 192.168.2.1 bizden çıkıyor cevap dönüyor.

Filter: udp				Expression... Clear Apply Save		
No.	Time	Source	Destination	Protocol	Length	Info
1571	12.0220860	192.168.2.1	192.168.2.4	UDP	324	Source port: hpssd Destination port: 61743
				UDP	324	Source port: hpssd Destination port: 61743
				UDP	324	Source port: hpssd Destination port: 61743
				UDP	324	Source port: hpssd Destination port: 61743
				UDP	324	Source port: hpssd Destination port: 61743
1572			250	SSDP	175	M-SEARCH * HTTP/1.1
!!!						
Frame 145: 324 bytes on wire (2592 bits), 324 bytes captured (2592 bits) on interface 0						
Ethernet II, Src: Arcadyan_02:4b:ed (00:1a:2a:02:4b:ed), Dst: WistronI_bb:66:cb (f0:de:f1:bb:66:cb)						
Internet Protocol Version 4, Src: 192.168.2.1 (192.168.2.1), Dst: 192.168.2.4 (192.168.2.4)						
Version: 4						
Header length: 20 bytes						
Differentiated Services Field: 0x00 (DSCP 0x00: Default; ECN: 0x00: Not-ECT (Not ECN-Capable Transport))						
Total Length: 310						
Identification: 0x0000 (0)						
Flags: 0x02 (Don't Fragment)						
Fragment offset: 0						
Time to live: 64						
Protocol: UDP (17)						
Header checksum: 0xb461 [correct]						
[Good: True]						
[Bad: False]						
Source: 192.168.2.1 (192.168.2.1)						
Destination: 192.168.2.4 (192.168.2.4)						
[Source GeoIP: Unknown]						
[Destination GeoIP: Unknown]						
User Datagram Protocol, Src Port: hpssd (2207), Dst Port: 61743 (61743)						
Source port: hpssd (2207)						
Destination port: 61743 (61743)						
Length: 290						
Checksum: 0xac83 [validation disabled]						
Data (282 bytes)						
0010	01 36 00 00 40 00 40 11	b4 61 c0 a8 02 01 c0 a8	.6..@. .a....			
0020	02 04 08 9f f1 2f 01 22	ac 83 48 54 54 50 2f 31	/. .HTTP/1			
0030	2e 31 20 32 30 30 20 4f	4b 0d 0a 4c 4f 43 41 54	.1 200 0 K..LOCAT			
0040	49 4f 4e 3a 20 68 74 74	70 3a 2f 2f 31 39 32 2e	ION: htt p://192.			
0050	31 36 38 2e 32 2e 31 3a	35 35 33 34 35 2f 0d 0a	168.2.1: 55345/..			