

# BRADLEY CHIPPI

\*Wi-Fi

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udp

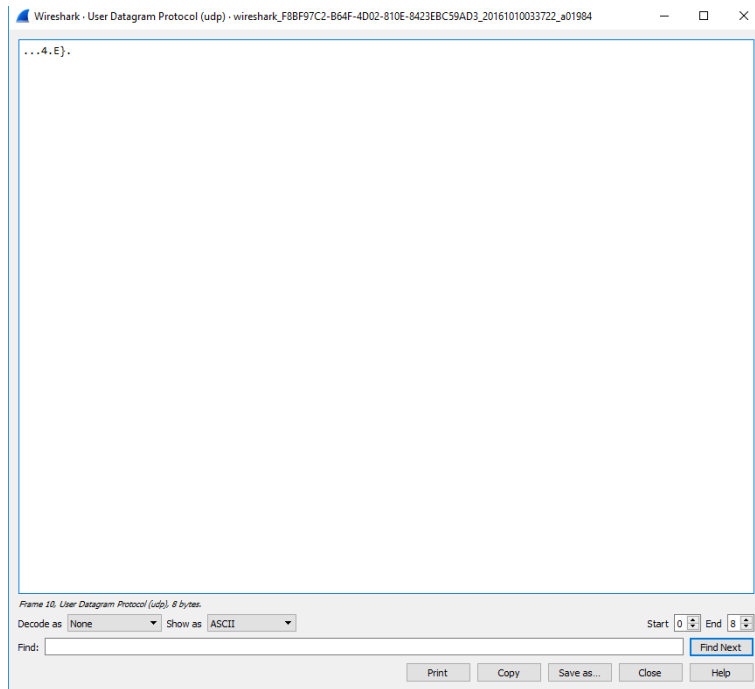
No.	Time	Source	Destination	Protocol	Length	Info
6	03:37:22.798370	192.168.1.10	239.255.255.250	SSDP	216	M-SEARCH * HTTP/1.1
10	03:37:22.891979	192.168.1.2	192.168.1.10	UDP	359	57506→49972 Len=317
19	03:37:22.908268	192.168.1.3	192.168.1.10	UDP	557	51817→49972 Len=515
23	03:37:22.944196	192.168.1.2	192.168.1.10	UDP	359	57506→49972 Len=317
28	03:37:23.200561	192.168.1.10	172.217.6.110	QUIC	65	Payload (Encrypted), PKN: 104, CID: 9317393931697666863
30	03:37:23.246704	172.217.6.110	192.168.1.10	QUIC	75	Payload (Encrypted), PKN: 200
32	03:37:23.520719	192.168.1.1	255.255.255.255	UDP	215	32772→7423 Len=173
64	03:37:26.593217	192.168.1.1	255.255.255.255	UDP	215	32772→7423 Len=173
78	03:37:29.665350	192.168.1.1	255.255.255.255	UDP	215	32772→7423 Len=173

> Frame 10: 359 bytes on wire (2872 bits), 359 bytes captured (2872 bits) on interface 0  
> Ethernet II, Src: MitsumiE\_43:29:af (00:a0:96:43:29:af), Dst: NetcoreT\_66:16:6f (04:8d:38:66:16:6f)  
> Internet Protocol Version 4, Src: 192.168.1.2, Dst: 192.168.1.10  
v User Datagram Protocol, Src Port: 57506, Dst Port: 49972  
Source Port: 57506  
Destination Port: 49972  
Length: 325  
Checksum: 0x7d14 [unverified]  
[Checksum Status: Unverified]  
[Stream index: 1]  
v Data (317 bytes)  
Data: 485454502f312e3120323030204f4b0d0a55534e3a207575...  
[Length: 317]

0020 01 0a e0 a2 c3 34 01 45 7d 14 48 54 54 50 2f 31 .....4.E }.HTTP/1  
0030 2e 31 20 32 30 30 20 4f 4b 0d 0a 55 53 4e 3a 20 .1 200 O K..USN:  
0040 75 75 69 64 3a 31 31 34 33 38 61 37 35 2d 63 36 uuid:114 38a75-c6  
0050 64 62 2d 33 64 30 37 2d 61 38 32 35 2d 36 32 31 db-3d07- a825-621  
0060 65 32 36 64 65 37 35 33 33 3a 3a 75 72 6e 3a 64 e26de753 3:urn:d  
0070 69 61 6c 2d 6d 75 6c 74 69 73 63 72 65 65 6e 2d ial-mult iscreen-  
0080 6f 72 67 3a 73 65 72 76 69 63 65 3a 64 69 61 6c org:service:dial  
0090 3a 31 0d 0a 4c 4f 43 41 54 49 4f 4e 3a 20 68 74 :1..LOCATION: ht  
00a0 74 70 3a 2f 2f 31 39 32 2e 31 36 38 2e 31 2e 32 tp://192 .168.1.2  
00b0 3a 33 34 34 33 31 2f 64 64 2e 78 6d 6c 0d 0a 42 :34431/d d.xml..B  
00c0 4f 4f 54 49 44 2e 55 50 4e 50 2e 4f 52 47 3a 20 OOTID.UP NP.ORG:  
00d0 31 34 37 36 30 31 31 34 33 33 0d 0a 53 54 3a 20 14760114 33..ST:  
00e0 75 72 6e 3a 64 69 61 6c 2d 6d 75 6c 74 69 73 63 urn:dial -multisc  
00f0 72 65 65 6e 2d 6f 72 67 3a 73 65 72 76 69 63 65 reen-org :service  
0100 3a 64 69 61 6c 3a 31 0d 0a 43 41 43 48 45 2d 43 :dial:1. .CACHE-C  
0110 4f 4e 54 52 4f 4c 3a 20 6d 61 78 2d 61 67 65 3d ONTROL: max-age=  
0120 31 38 30 30 0d 0a 45 58 54 3a 20 0d 0a 53 45 52 1800..EX T: ..SER

Checksum Status (udp.checksum.status) | Packets: 83 · Displayed: 11 (13.3%) · Dropped: 0 (0.0%) | Profile: Default

## 1. Source port, destination port, length, checksum



2. 8 BYTES FOR THE ENTIRE HEADER.  
2 BYTES PER HEADER FIELD
3.  $325 - 8 = 317$   
317 encapsulated data bytes  
8 header bytes
4.  $2^{16} = 65536 - 1 - \text{header bytes (8)} = 65527$
5.  $2^{16} - 1 = 65535$
6. UDP Protocol = 17 = 0x11