

HLS

HLS-трафик представляет собой HTTP-трафик с определенным содержанием запросов. Это получение плейлистов (GET *.m3u8) и фрагментов в соответствии с плейлистом (GET *.ts):

The screenshot displays the Wireshark interface with a capture of log.pcap. The packet list pane shows several HTTP requests and responses. The selected packet (No. 80333) is a GET request for a manifest file. The packet details pane shows the Hypertext Transfer Protocol section. The packet bytes pane shows the raw data of the request, including the GET method and the URL path.

No.	Time	Source	Destination	Protocol	Length	Info
21530	85.825901	127.0.0.1	127.0.0.1	HTTP	73	HTTP/1.1 200 OK (application/json)
21577	85.932513	127.0.0.1	127.0.0.1	HTTP	799	POST /EchoApp/playStream HTTP/1.1 (application/json)
21589	85.946556	127.0.0.1	127.0.0.1	HTTP	73	HTTP/1.1 200 OK (application/json)
21629	86.029334	127.0.0.1	127.0.0.1	HTTP	748	POST /EchoApp/StreamStatusEvent HTTP/1.1 (application/json)
21640	86.036907	127.0.0.1	127.0.0.1	HTTP	73	HTTP/1.1 200 OK (application/json)
80333	290.695591	5.44.168.45	95.191.131.64	HTTP	207	GET /94a4/94a4.m3u8 HTTP/1.1
80335	290.696392	95.191.131.64	5.44.168.45	HTTP	535	HTTP/1.1 200 OK (application/x-mpegurl)
80890	292.920236	5.44.168.45	95.191.131.64	HTTP	181	GET /94a4/94a413.ts HTTP/1.1
80920	292.935019	95.191.131.64	5.44.168.45	HTTP	4436	Continuation
80922	292.935370	95.191.131.64	5.44.168.45	HTTP	4436	Continuation
80934	293.032404	95.191.131.64	5.44.168.45	HTTP	4436	Continuation

Frame 80333: 207 bytes on wire (1656 bits), 207 bytes captured (1656 bits) on interface
Linux cooked capture
Internet Protocol Version 4, Src: 5.44.168.45, Dst: 95.191.131.64
Transmission Control Protocol, Src Port: 49776, Dst Port: 8082, Seq: 1, Ack: 1, Len: 151
Hypertext Transfer Protocol

0000 00 00 00 01 00 06 a8 d0 e5 f6 67 c6 00 00 00 00g.....
0010 45 00 00 bf 52 95 40 00 77 06 20 4b 05 2c a8 2d E...R.@. w. K.,,-
0020 5f bf 83 40 c2 70 1f 92 cf e4 97 bb 85 d6 8a cb _..@.p.
0030 50 18 01 00 5c c1 00 00 47 45 54 20 2f 39 34 61 P... GET /94a
0040 34 2f 39 34 61 34 2e 6d 33 75 38 20 48 54 54 50 4/94a4.m 3u8 HTTP
0050 2f 31 2e 31 00 0a 48 6f 73 74 3a 20 70 31 31 2e /1.1. Ho st: p11.
0060 66 6c 61 73 68 70 68 6f 6e 65 72 2e 63 6f 6d 3a flashpho ner.com:
0070 38 30 38 32 0d 0a 41 63 63 65 70 7a 3a 20 2a 2f 8082..Ac cept: */
0080 2a 0d 0a 41 63 63 65 70 7a 2d 4c 61 6e 67 75 61 *.Accep t-Langua
0090 67 65 3a 20 72 75 0d 0a 55 73 65 72 2d 41 67 65 ge: ru.. User-Age
00a0 6e 74 3a 20 56 4c 43 2f 33 2e 30 2e 31 20 4c 69 nt: VLC/ 3.0.1 Li
00b0 62 56 4c 43 2f 33 2e 30 2e 31 0d 0a 52 61 6e 67 bVLC/3.0 .1..Rang
00c0 65 3a 20 62 79 74 65 73 3d 30 2d 0d 0a 0d 0a e: bytes =0-....

Hypertext Transfer Protocol: Protocol | Packets: 102434 · Displayed: 977 (1.0%) · Load time: 0:2.967 | Profile: Default

Для того, чтобы отследить проигрывание определенного потока, можно воспользоваться функцией Wireshark "Follow HTTP stream":

```
GET /94a4/94a4.m3u8 HTTP/1.1
Host: p11.flashphoner.com:8082
Accept: */*
Accept-Language: ru
User-Agent: VLC/3.0.1 LibVLC/3.0.1
Range: bytes=0-
```

```
HTTP/1.1 200 OK
Connection: keep-alive
Content-Type: application/x-mpegURL
Content-Length: 281
Access-Control-Allow-Origin: *
Access-Control-Allow-Methods: GET
Access-Control-Max-Age: 3000
```

```
#EXTM3U
#EXT-X-VERSION:3
#EXT-X-TARGETDURATION:2
#EXT-X-MEDIA-SEQUENCE:53
#EXTINF:2,
94a413.ts
#EXTINF:2,
94a414.ts
#EXTINF:2,
94a415.ts
#EXTINF:2,
94a416.ts
#EXTINF:2,
94a417.ts
#EXTINF:2,
94a418.ts
#EXTINF:2,
94a419.ts
#EXTINF:2,
94a40.ts
#EXTINF:2,
94a41.ts
#EXTINF:2,
```

Packet 80335. 1 client pkt(s), 1 server pkt(s), 1 turn(s). Click to select.

Entire conversation (630 bytes)

Show and save data as ASCII

Find:

Find Next

Filter Out This Stream

Print

Save as...

Back

Закреть

Справка