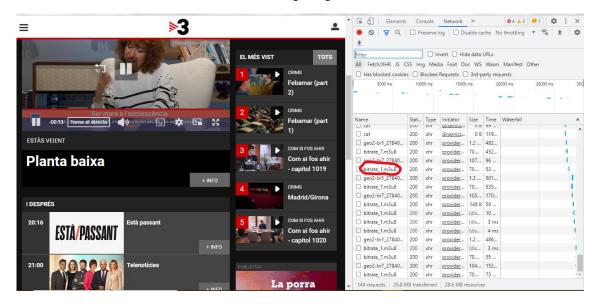
## **EXERCISE 4**

I have analyzed the TV3 livestreaming. For being able to know the protocol that is being used, I have used the developer tools from Chrome. Then, I have selected the Network information and the result was what we can see in the following image:



We can clearly see in the image that this livestreaming is using the HTTP Live Streaming (**HLS**) protocol since it has files .m3u8 (like the one circled).

Once we know the livestreaming protocol, we can also know which codecs is using by analyzing one .ts file. For doing that, I have download a .ts file and with the command ffprobe of the ffmpeg, I obtained:

```
violar@inarginary Compacts as firprobe segment ty3.ts
ffprobe version 4.4.2-0 ubuntu0.22.04.1 Copyright (c) 2007-2021 the FFmpeg developers
built with gc.11 (Ubuntu 11.2.0-19 ubuntu1)
configuration: -prefix=/usr -extra-version-0 ubuntu0.22.04.1 -toolchain-hardened -libdir=/usr/lib/x86.64-linux-gnu -incdir=/usr/include/x86.64-linux-gnu -incdir=/usr/include/x86.64-linux-gnu -incdir=/usr/include/x86.64-linux-gnu -incdir=-/usr/include/x86.64-linux-gnu -incdir=-/usr/include/x86.64-
```

So, we can also say about this livestreaming that is using the **aac** codec.