



**VIDEO STREAMING**

**STREAMER**

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# WHAT IS A VIDEO STREAMING?

- The delivery of video content over the internet, without the need to download the entire file before watching it.
- Example: YouTube, Netflix, Amazon Prime Video, and Disney+

# WHAT IS A VIDEO STREAMING?

## Pre-packaging to HLS using ffmpeg

```
ffmpeg -i video.mp4 -codec copy  
-vbsf h264_mp4toannexb  
-f segment  
-segment_list video.m3u8  
-segment_time 10  
-segment_format mpeg_ts  
-segment_list_type m3u8  
video%04d.ts
```

### video.m3u8

```
#EXTINF:10,  
video0000.ts  
#EXTINF:10,  
video0001.ts  
#EXTINF:10,  
video0002.ts  
#EXTINF:10,  
video0003.ts  
...
```

List all segments  
of 10 seconds.

Cut mp4 into a 10  
second segment  
and repackage in  
MPEG2 TS format.

MP4

.ts

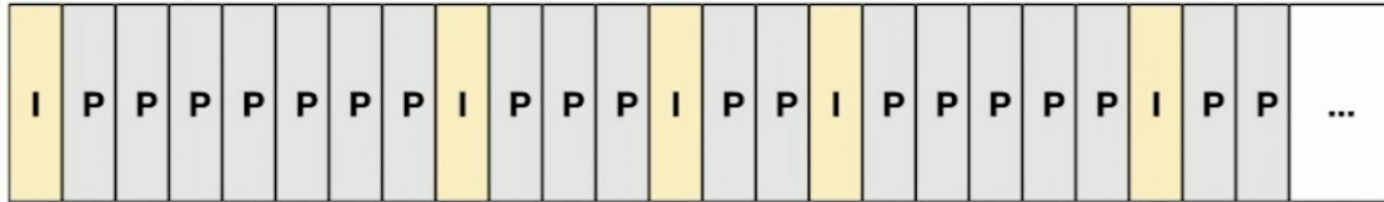
.ts

.ts

...

# WHAT IS A VIDEO STREAMING?

Involves compressing video files into small data packets that are sent over the internet and decoded by the user's device in real-time



# TECHNOLOGY STACK

**NODE.JS**



**VUE.JS**



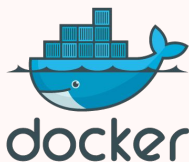
**FIREBASE**



**NGINX**



**DOCKER**



**AWS**





**DEMO**

