

# Video Encoding

My TV does not play some video files, this is an attempt to document why and how to reencode things.

`mediainfo` is a handy tool, running it against a file gives you handy info, such as that the encoding settings of the video stream are `ref=10 ... bframes=10`, which is more than my TV can handle, so let's re-encode this.

I've tried using `nvenc` (`hevc_nvenc` for x265) to encode, but then it ignores the `crf` setting and produces garbage quality output, so am stuck rendering on a CPU.

The `-map 0` option needs to be there, or only one audio track will be copied.

The `-y` option is to overwrite the output file without asking.

The `-crf 18` option is there to set quality. You can play around with this if you're not satisfied with the image or think you can save space.

```
ffmpeg -y -i original.mkv -c:v libx264 -crf 18 -preset slow -c:a copy -map 0 reencodedx264.mkv
ffmpeg -y -i original.mkv -c:v libx265 -crf 18 -preset slow -c:a copy -map 0 reencodedx265.mkv
```

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