

Video over HTTP

mobile native application

UDP

TCP

HTTP

web browser

UDP

TCP

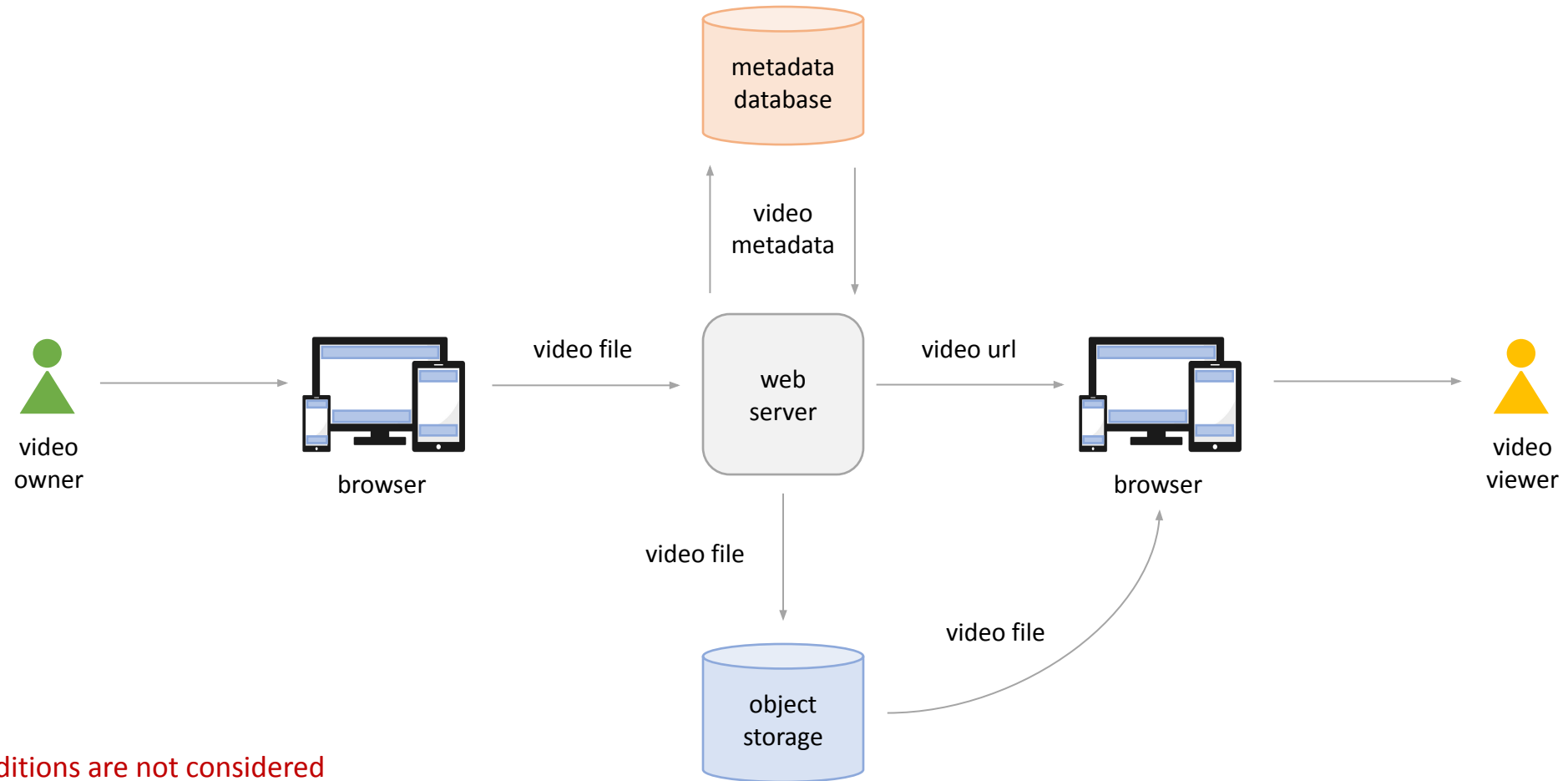
HTTP

WebRTC

WebSocket

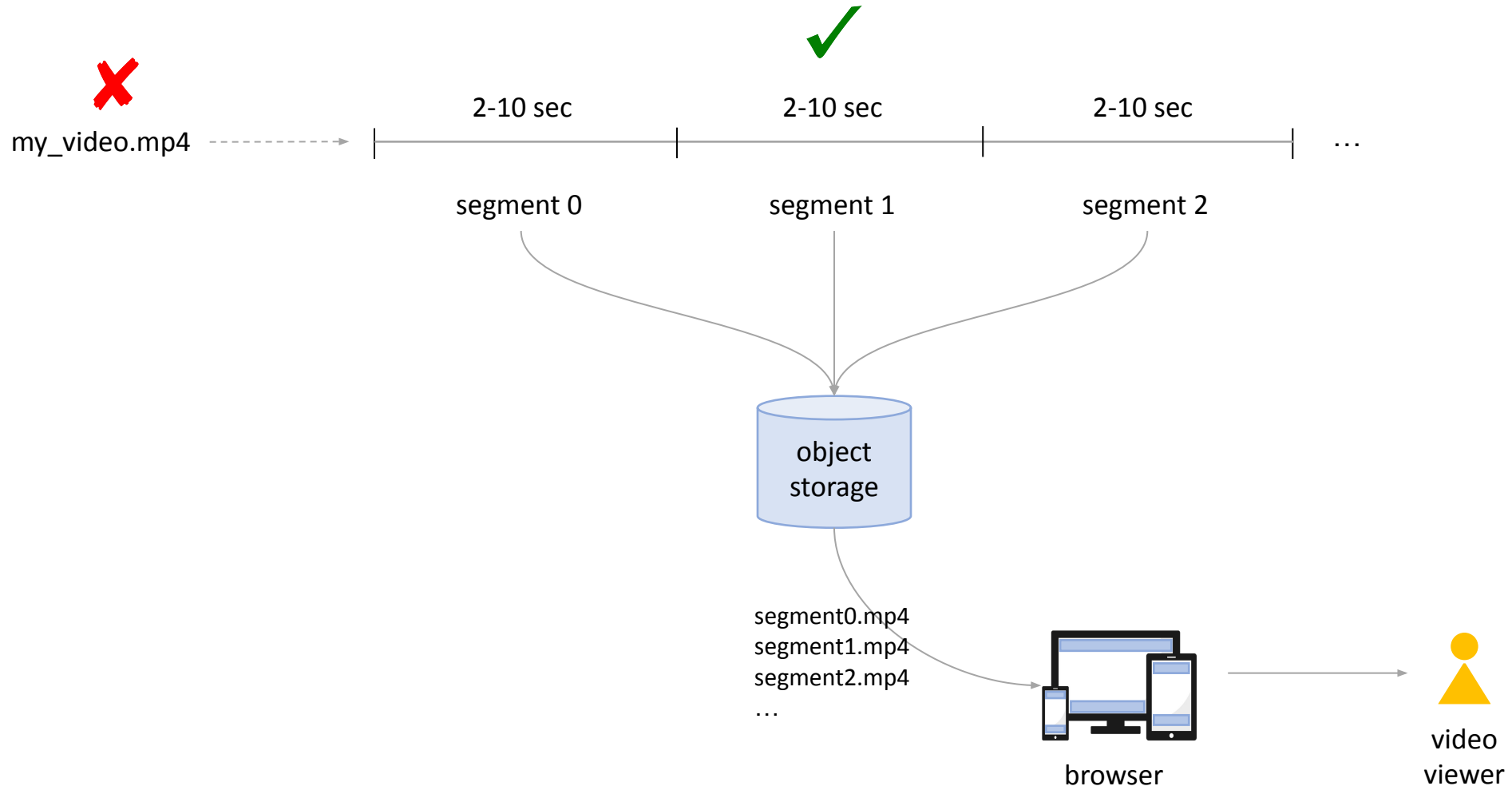
Adaptive Streaming

Video over HTTP



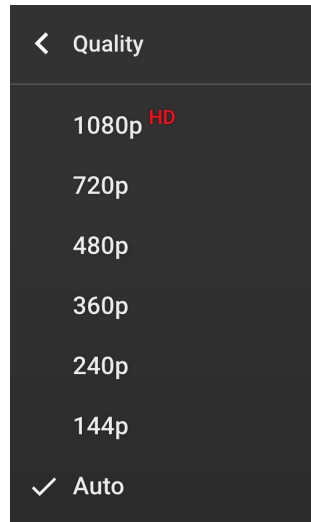
- network conditions are not considered
- need a separate video file for every (resolution, language) combination
- need to re-download the video when user preferences change

Video over HTTP

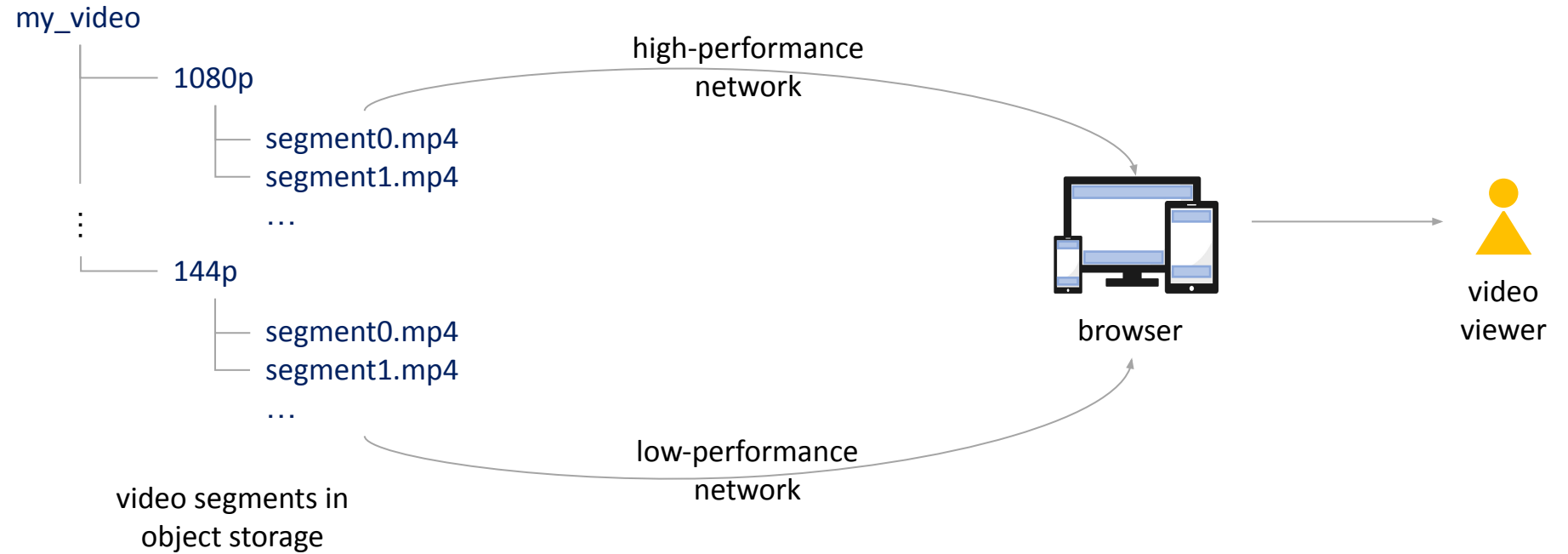


Video over HTTP

adaptive streaming

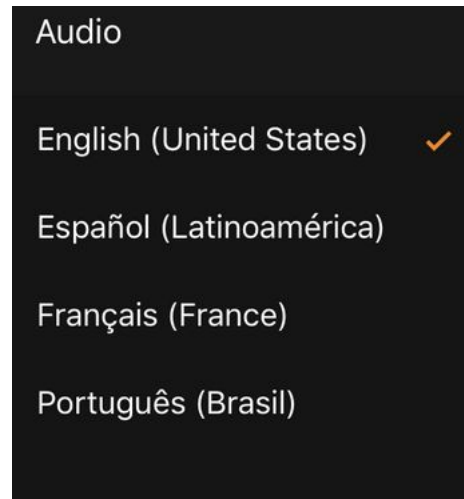


YouTube Quality setting

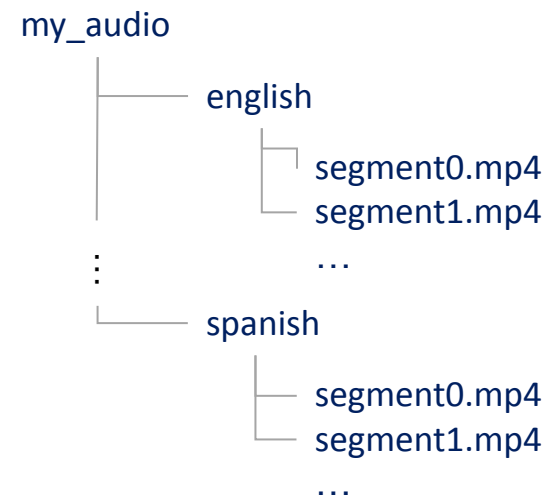


Video over HTTP

adaptive streaming



language setting in
Amazon Prime Video



audio segments in
object storage

Video over HTTP

