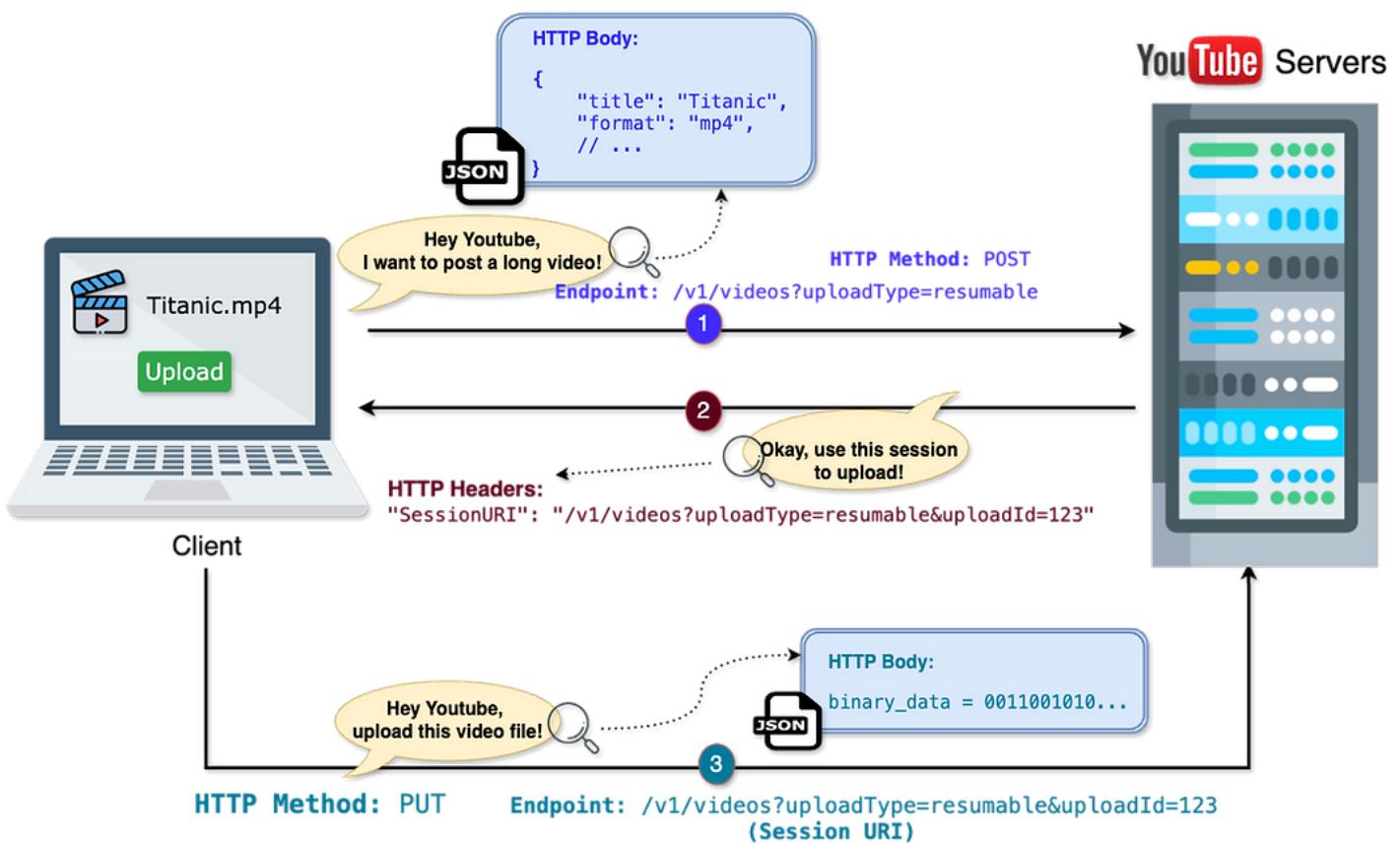
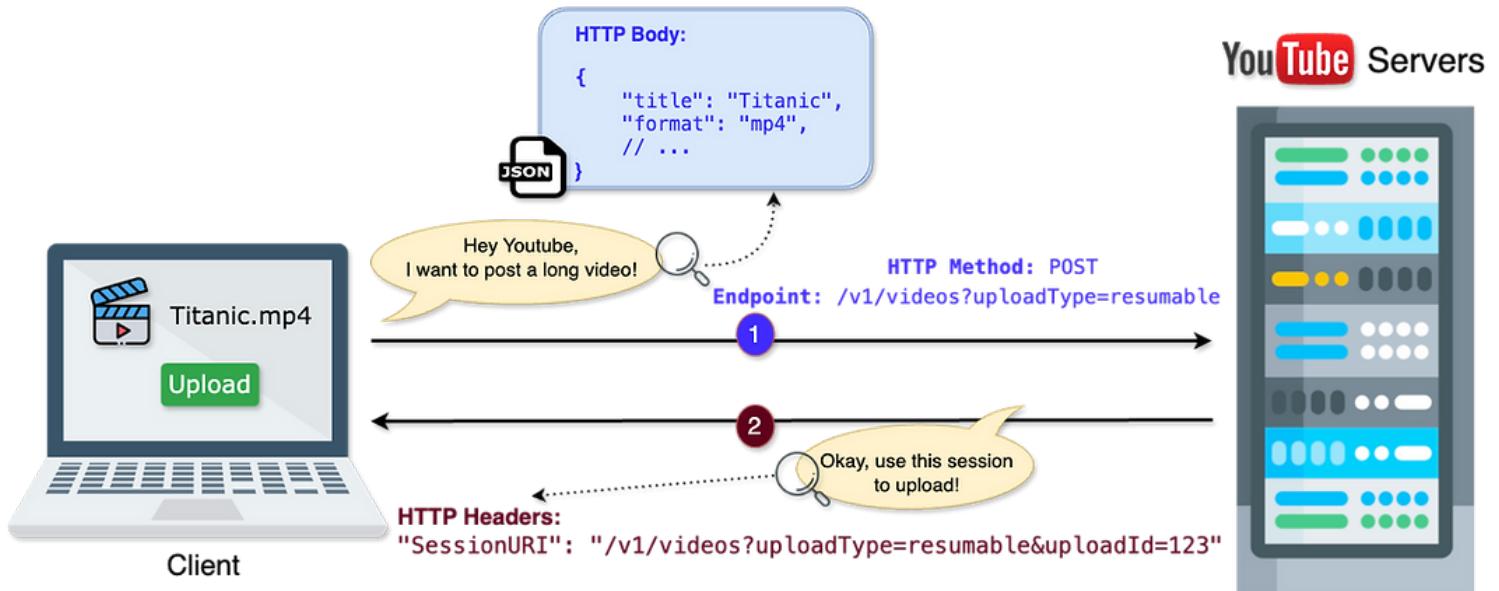
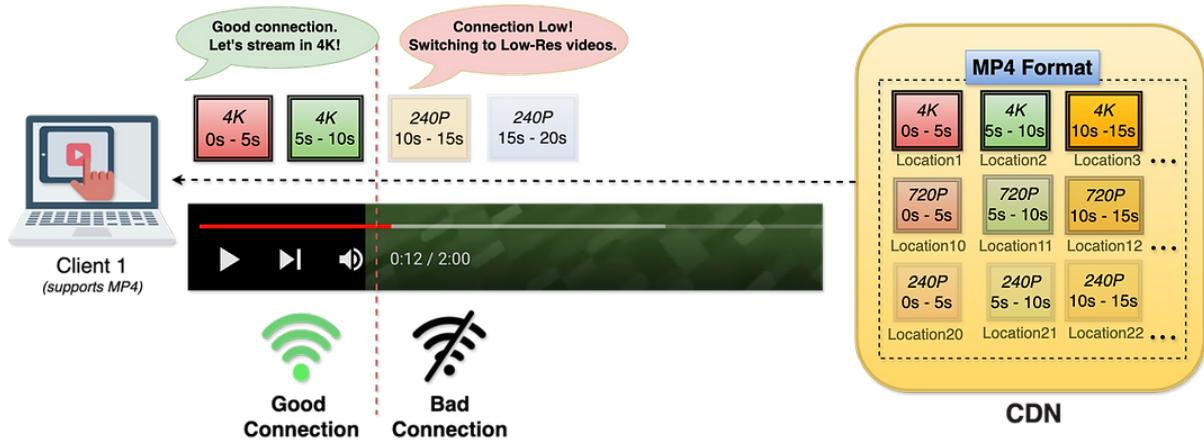
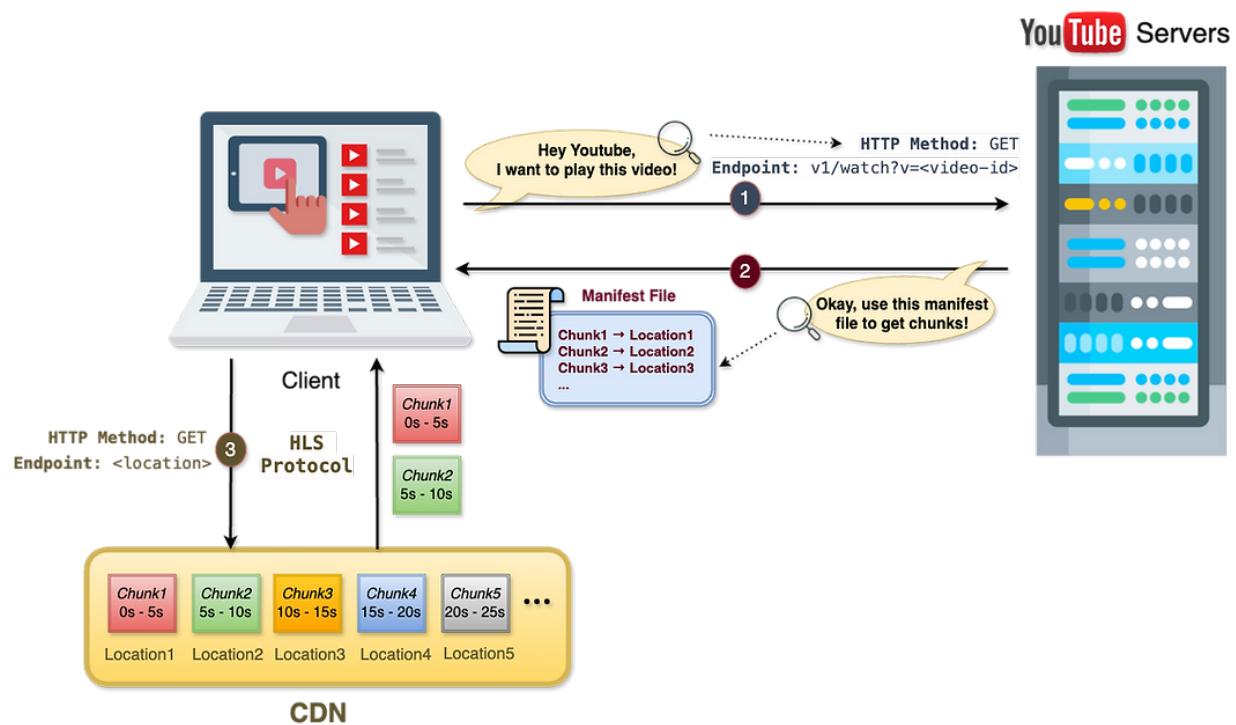
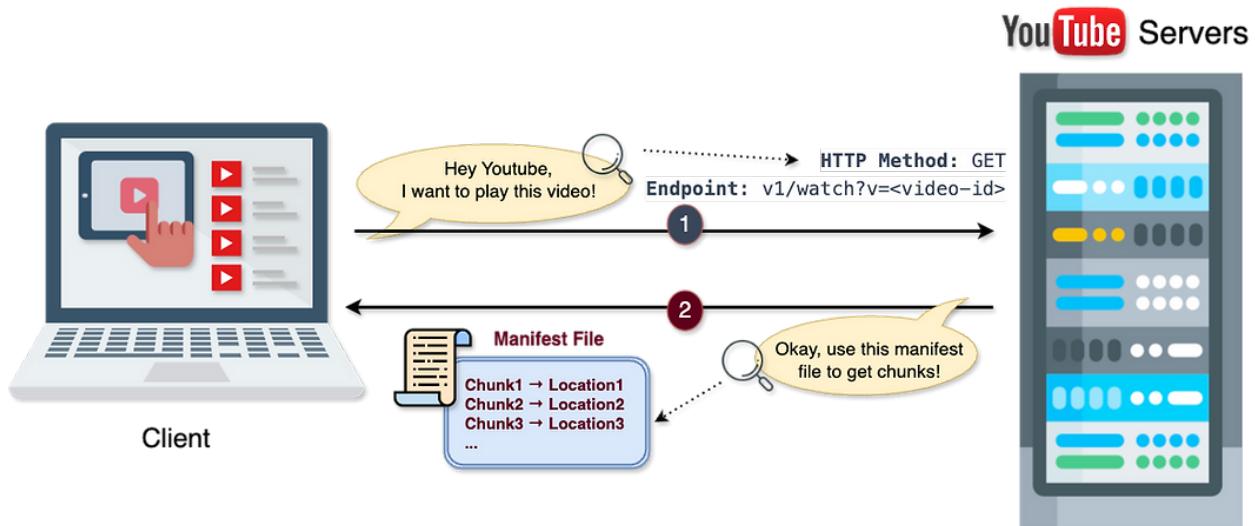


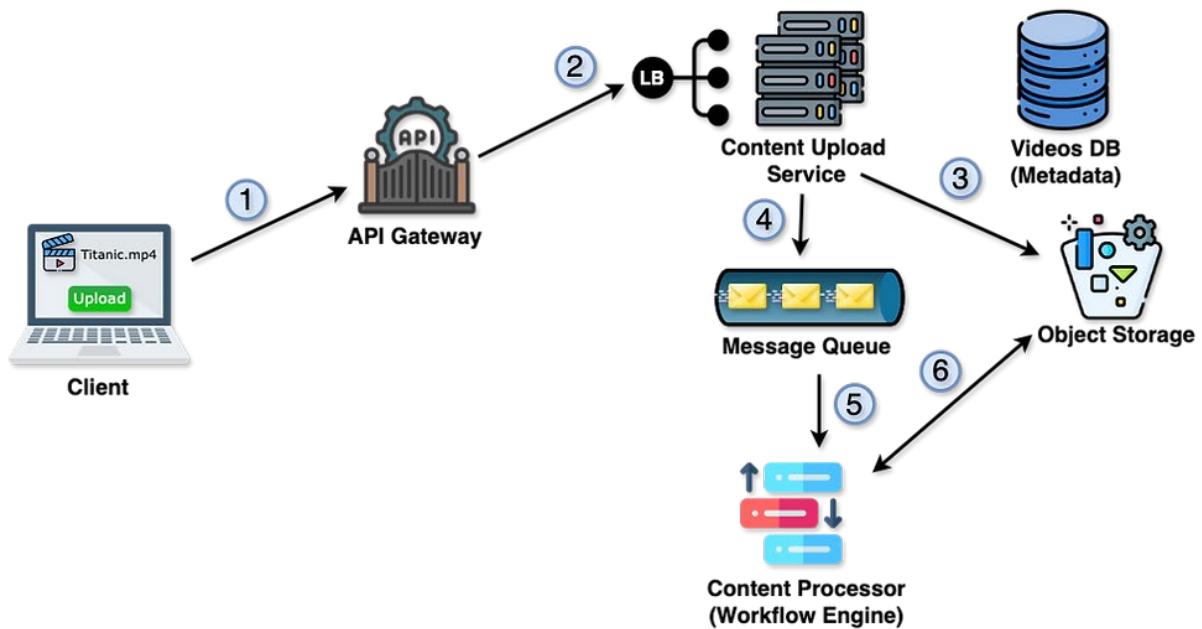
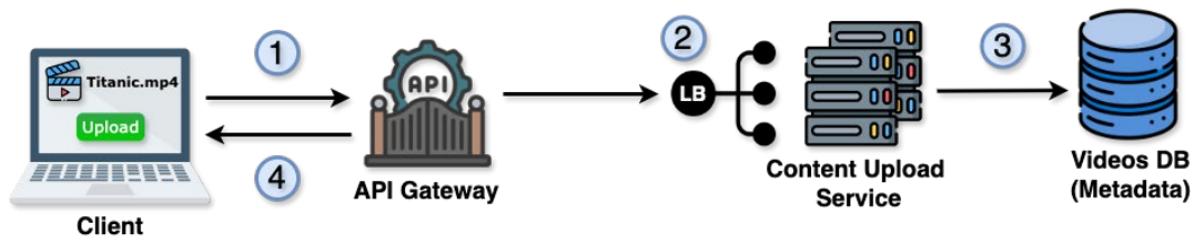
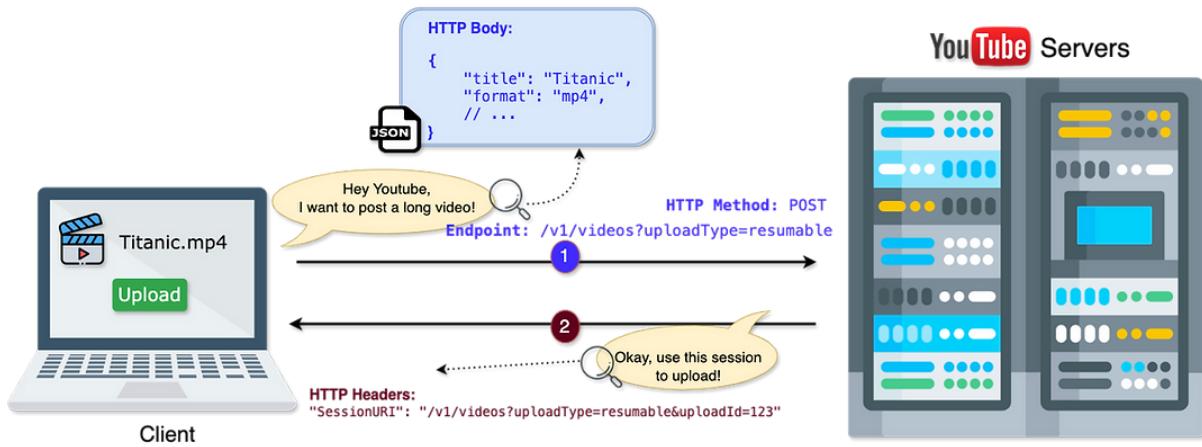
API DESIGN-Upload Content

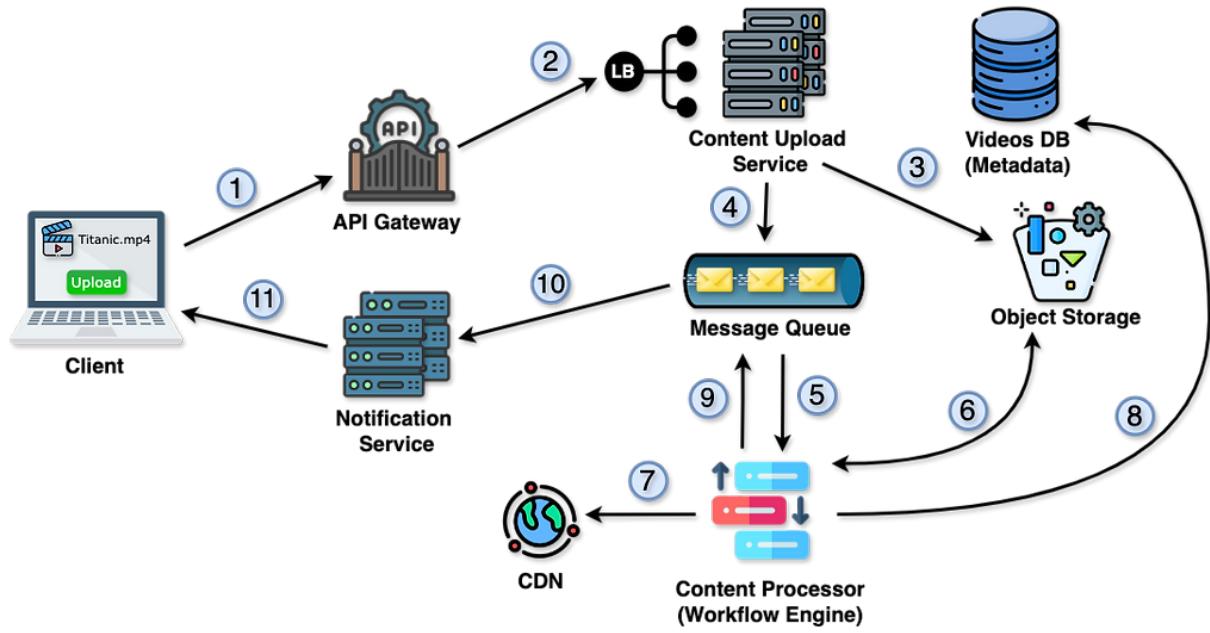


API DESIGN-Stream Content

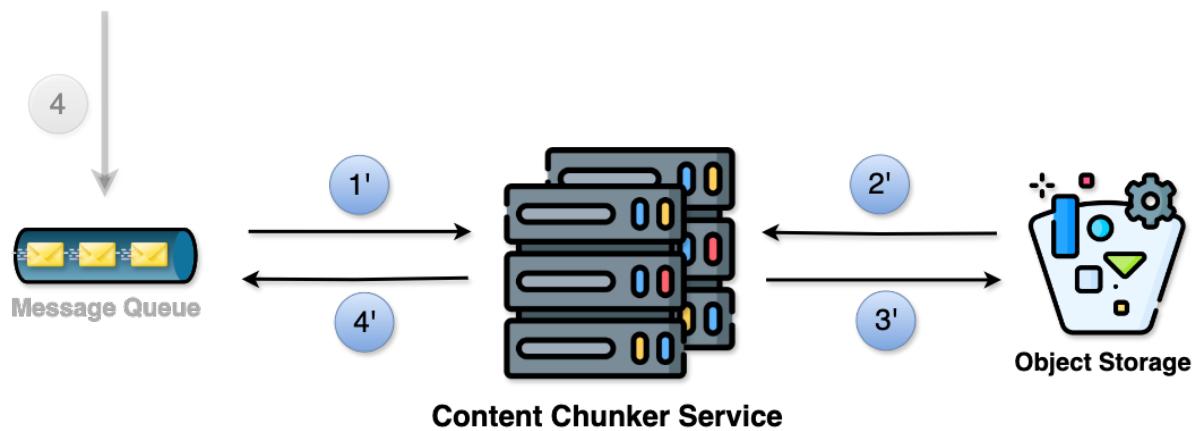


High Level Design-Upload Content

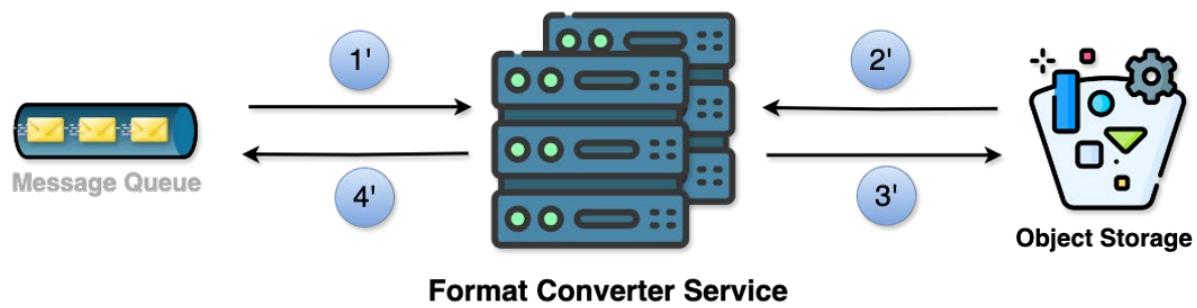




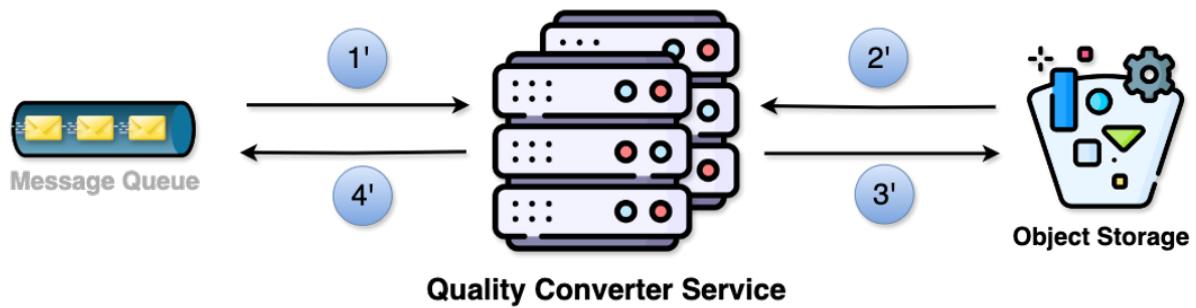
Content Chunker Service



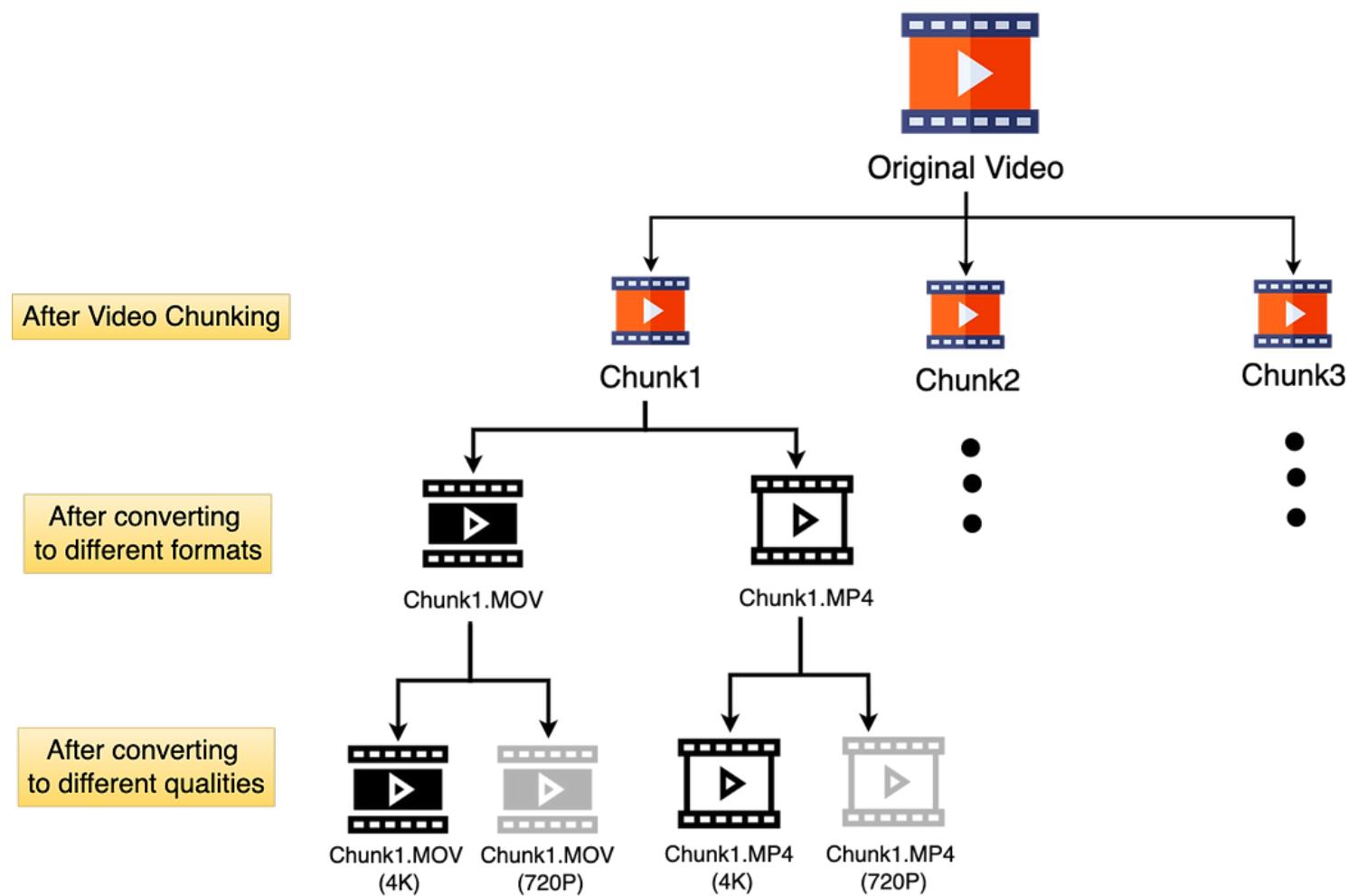
Format Converter Service



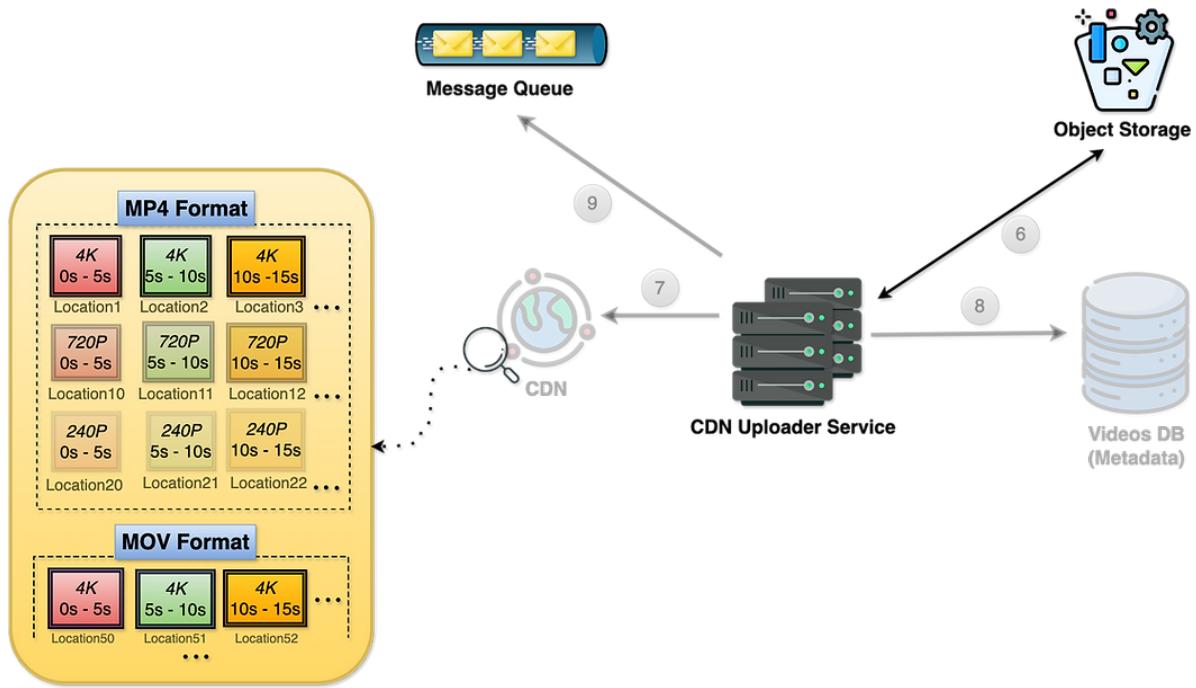
Quality Converter Service



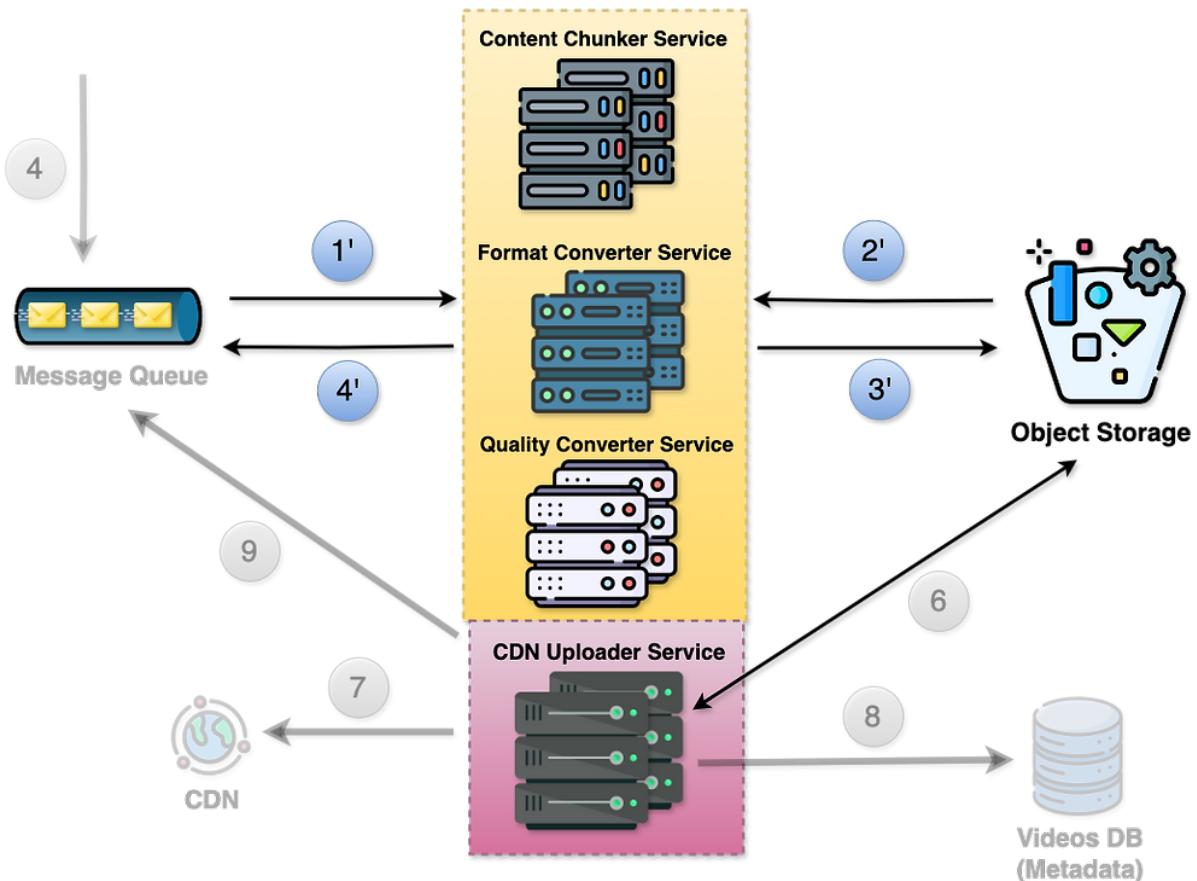
Chunking Videos



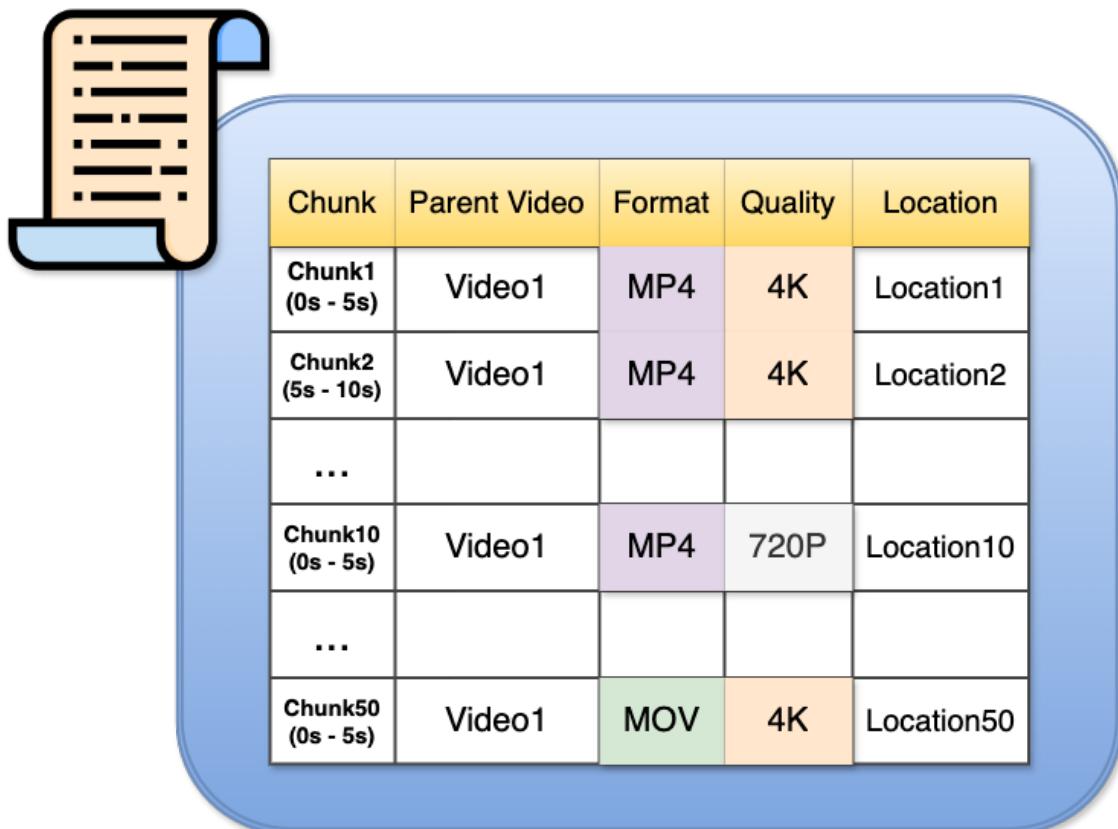
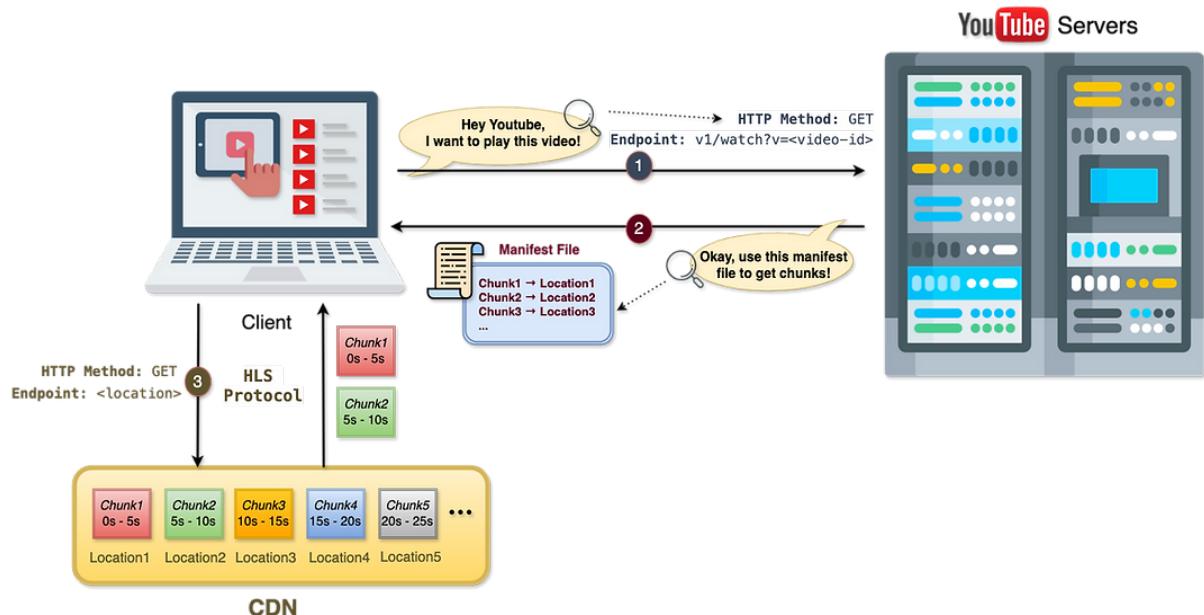
CDN Uploader Service

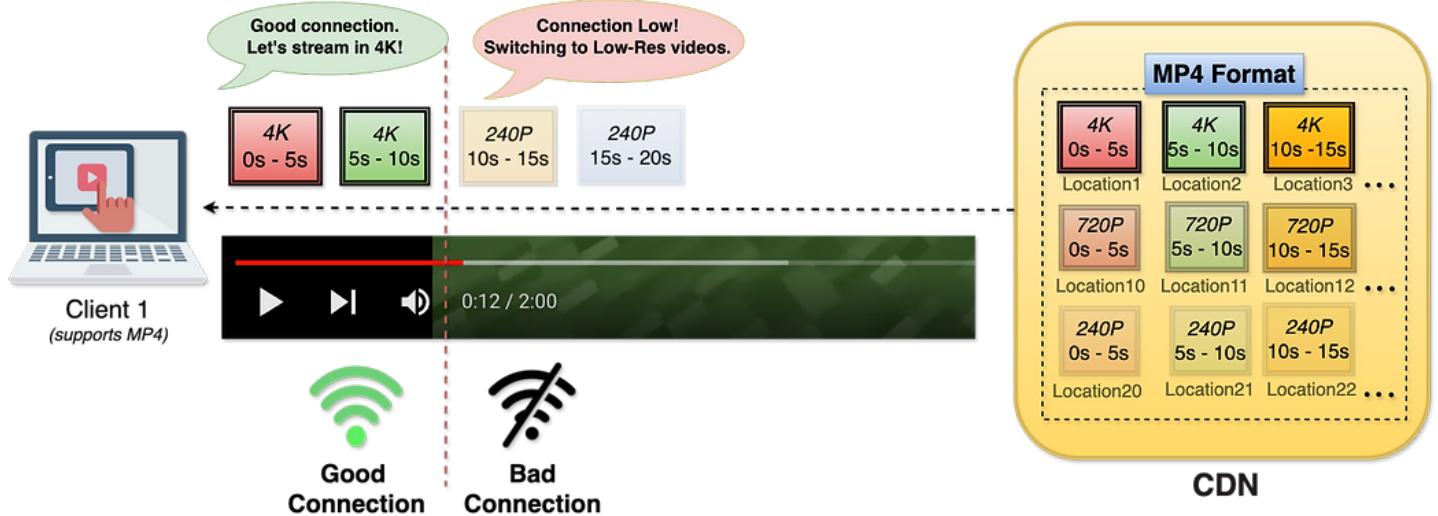
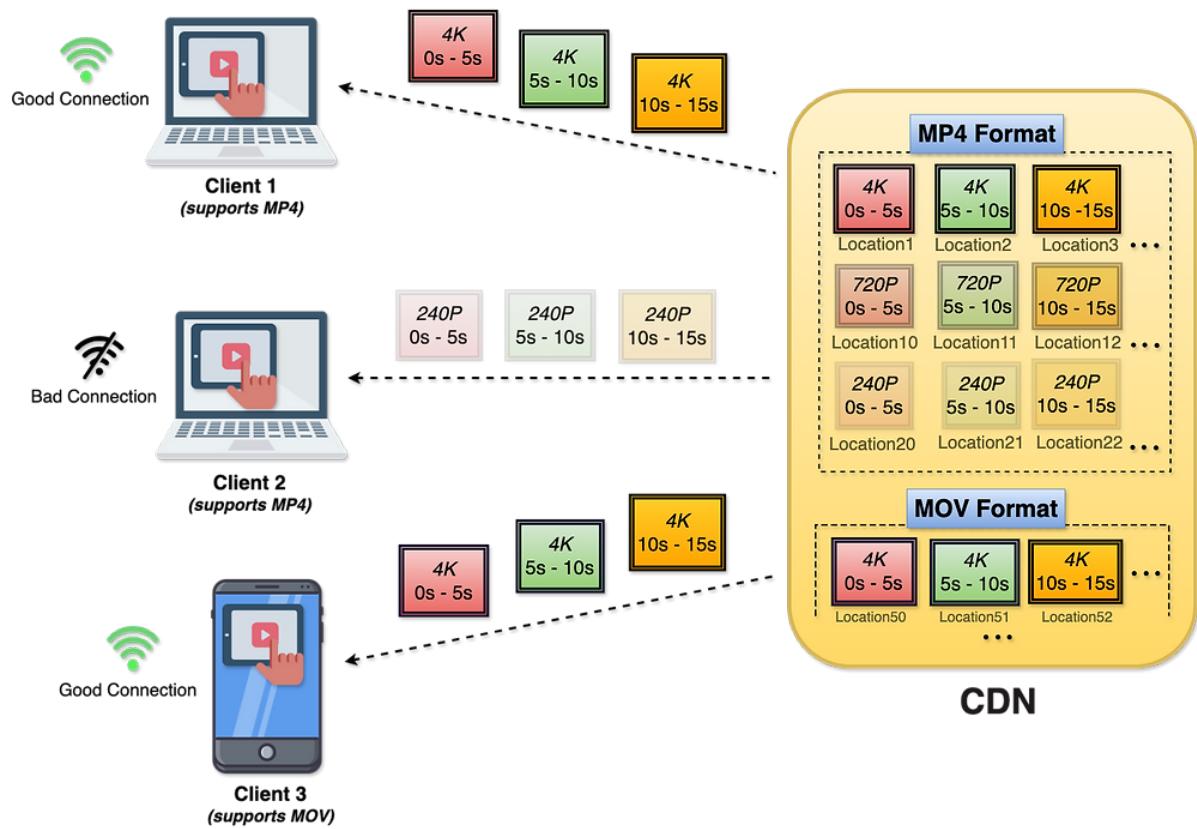


Overall Chunking Flow



High Level Design-Stream Content





Video's DB Schema



**Videos DB
(Metadata)**

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{  
    "videoId": "unique_video_id",  
  
    // Technical Metadata  
    "format": "mp4",  
    "duration": "length_of_video_in_s",  
    ...  
  
    // General Metadata  
    "creatorId": "creator_id",  
    "title": "video_title",  
    "description": "video_description_text",  
    ...  
  
    // Content Delivery Metadata  
    "cdnUrls" : {  
        "MP4": {  
            "4K": ["chunkurl1", "chunkurl2", ...],  
            "720P": ["chunkurl1", "chunkurl2", ...],  
            ...  
        }  
        "MOV": {  
            "4K": ["chunkurl1", "chunkurl2", ...],  
            "720P": ["chunkurl1", "chunkurl2", ...],  
            ...  
        }  
        ...  
    }  
}
```

Chunking Workflow

