

Design Documents

“Control-Ef”

Table of Contents

Table of Contents	1
Development Team	2
Use Case Diagrams	3
Use case: UploadVideo	3
Use case: SearchTag	4
Use case: SearchKeyword	5
Use case: AdminMonitoring	6
Class Diagram	7
Architecture (3 potential versions)	8
Single Server	8
Multi-Server	9
Load Balancer	10
Deployment Diagram	11
Sequence Diagram	12

Development Team

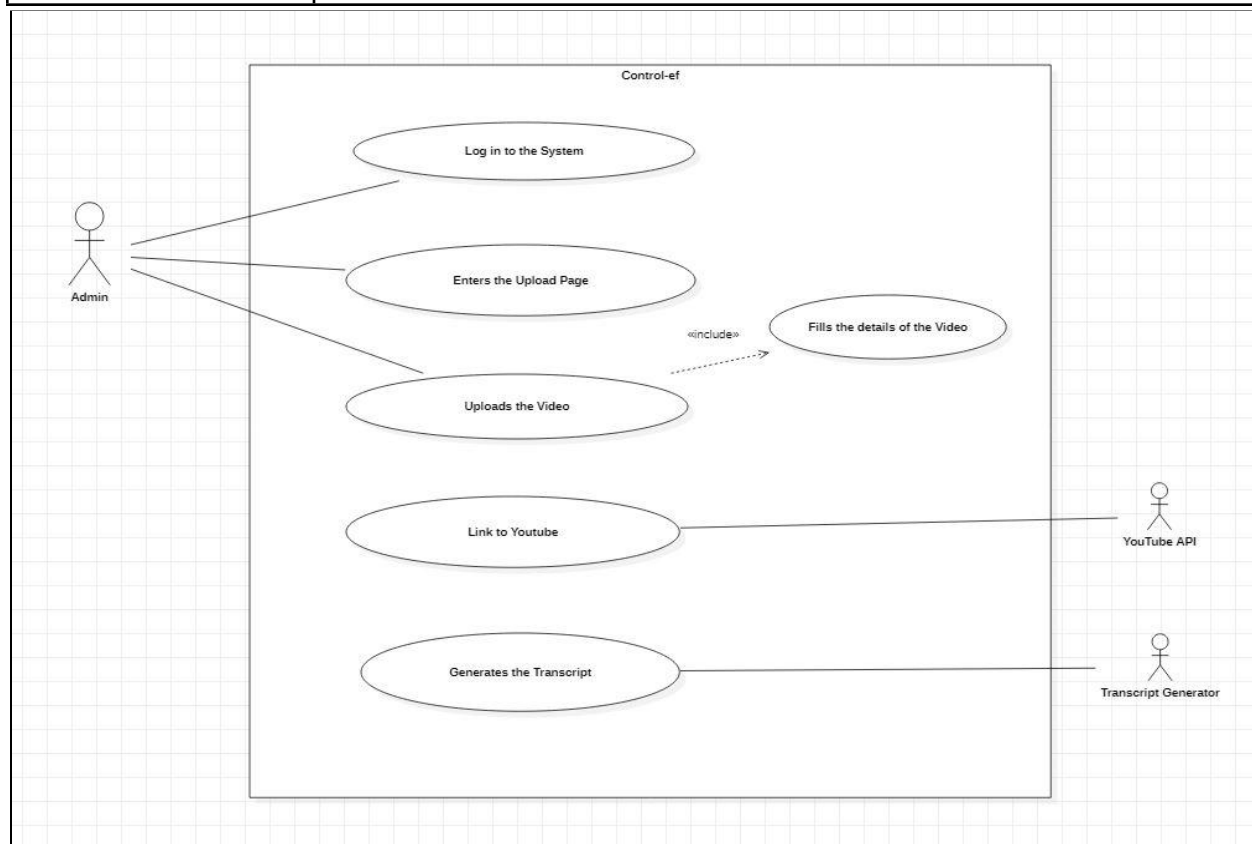
Htoo Lwin (120832)

Fathima Shafana (121985)

Use Case Diagrams

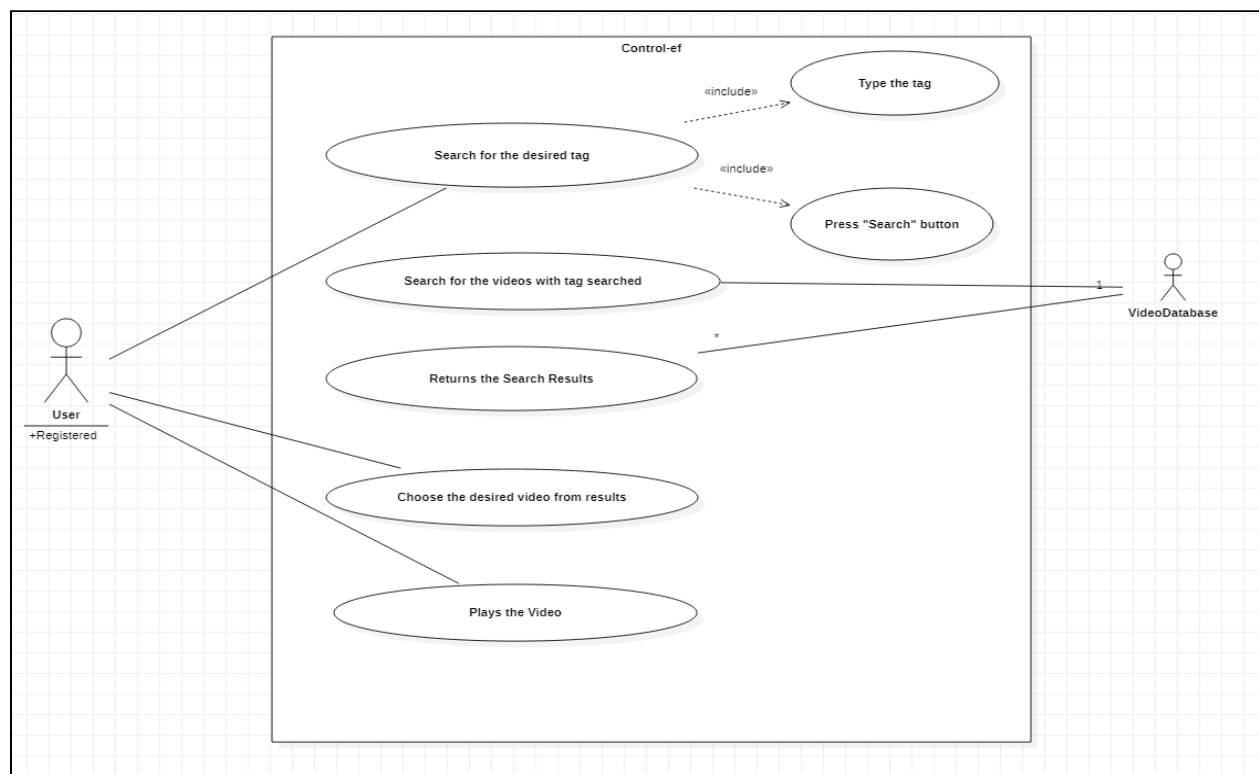
Use case: UploadVideo

Use case name	UploadVideo
Participating actors	Initiated by Admin Communicates with System , TranscriptGenerator and YouTube
Flow of events	<ol style="list-style-type: none">1. The Admin enters the upload page.2. The Admin fills out the details of the video.3. The Admin uploads the video.4. The Video gets uploaded and linked to YouTube.5. The TranscriptGenerator generates the transcript.6. The transcript is stored in the Database.
Entry condition	<ul style="list-style-type: none">• The Admin is logged in.
Exit condition	<ul style="list-style-type: none">• The Admin successfully uploads the video.• The Admin cancels the upload.



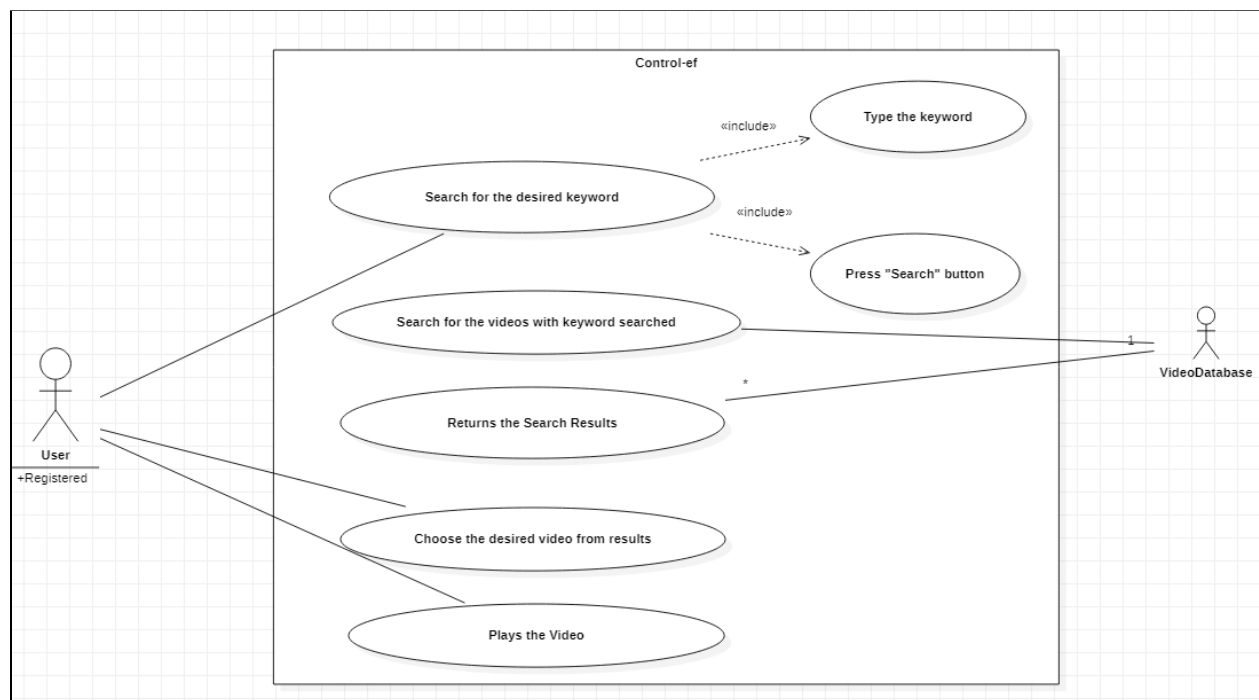
Use case: SearchTag

Use case name	SearchTag
Participating actors	Initiated by User Communicates with System
Flow of events	<ol style="list-style-type: none"> 1. The User types the tag in the search bar and presses the search button. 2. The System searches for all videos under that predefined tag in the database. 3. The System displays the search results. 4. The User chooses the result that they desire. 5. The User plays the video.
Entry condition	<ul style="list-style-type: none"> • The User is logged in.
Exit condition	<ul style="list-style-type: none"> • The User finds the video that they are searching for and clicks on the video link to play it. • The User cancels the search.



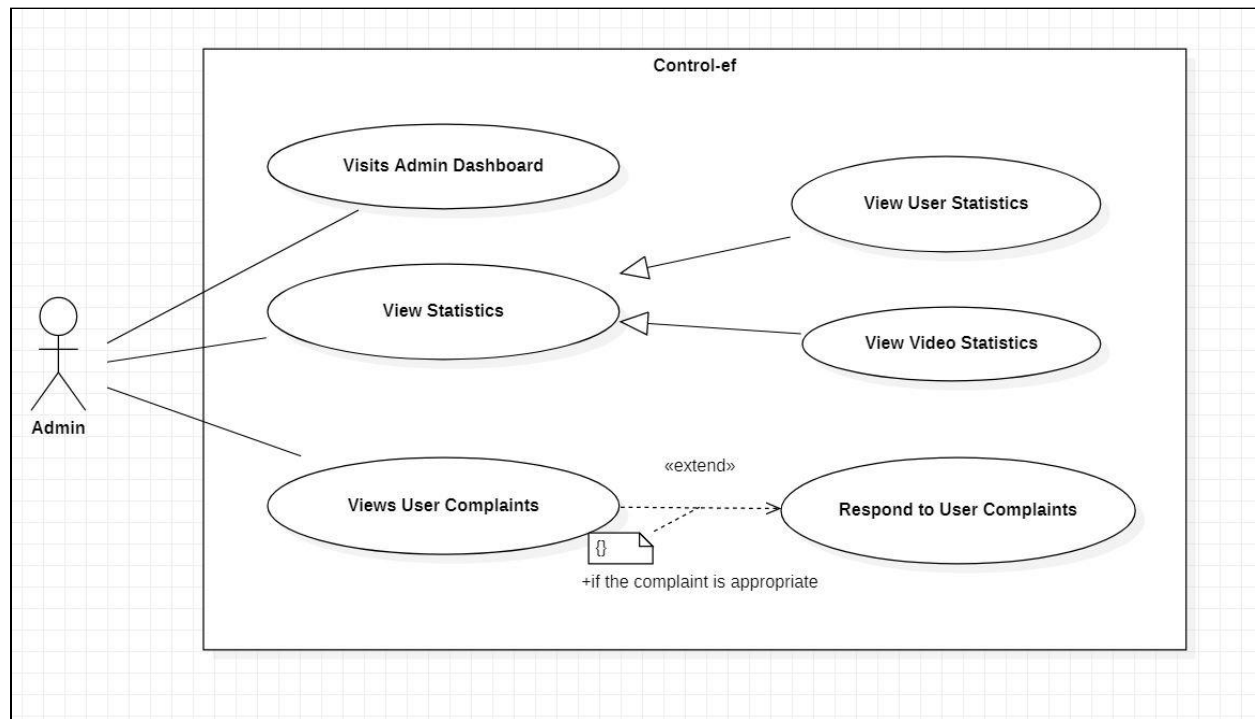
Use case: SearchKeyword

Use case name	SearchKeyword
Participating actors	Initiated by User Communicates with System
Flow of events	<ol style="list-style-type: none"> 1. The User types the keyword in the search bar and presses the search button. 2. The System searches for the keyword in the transcripts of all videos in the database. 3. The System displays the search results. 4. The User chooses the result that they desire. 5. The User plays the video.
Entry condition	<ul style="list-style-type: none"> • The User is logged in.
Exit condition	<ul style="list-style-type: none"> • The User finds the video that they are searching for and clicks on the video link to play it. • The User cancels the search.

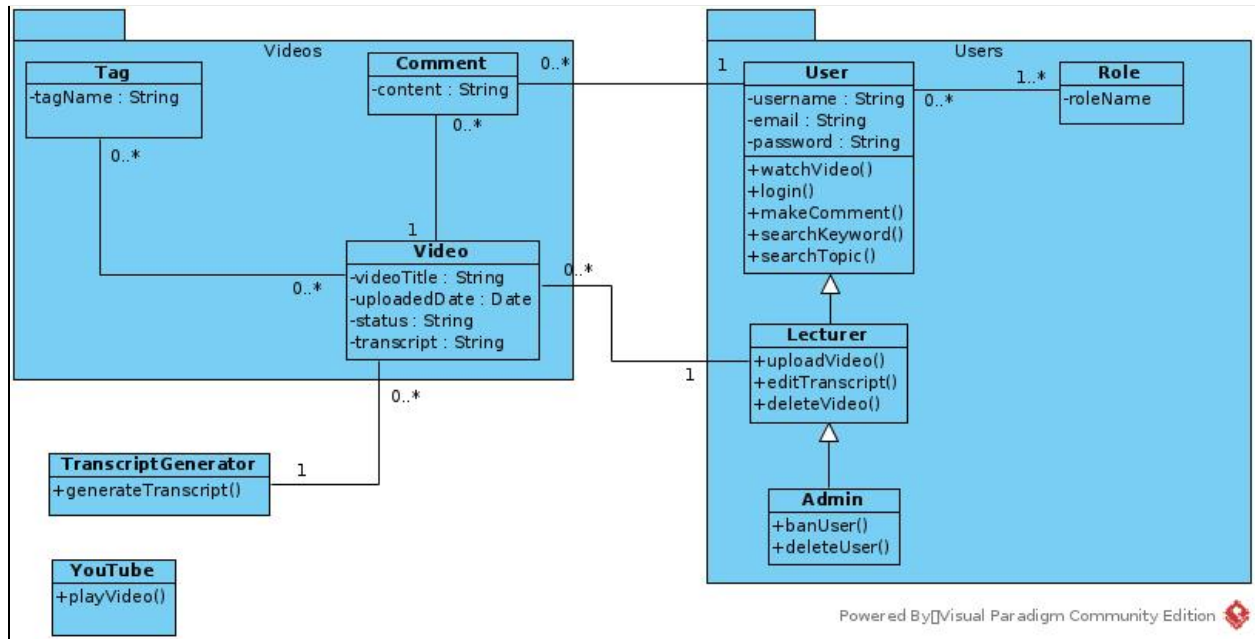


Use case: AdminMonitoring

Use case name	AdminMonitoring
Participating actors	Initiated by Admin Communicates with System
Flow of events	<ol style="list-style-type: none">1. The Admin visits the admin dashboard.2. The Admin views user statistics.3. The Admin views video statistics.4. The Admin views user complaints.5. The Admin responds to user complaints.
Entry condition	<ul style="list-style-type: none">• The Admin is logged in.
Exit condition	<ul style="list-style-type: none">• The Admin leaves the admin dashboard page.

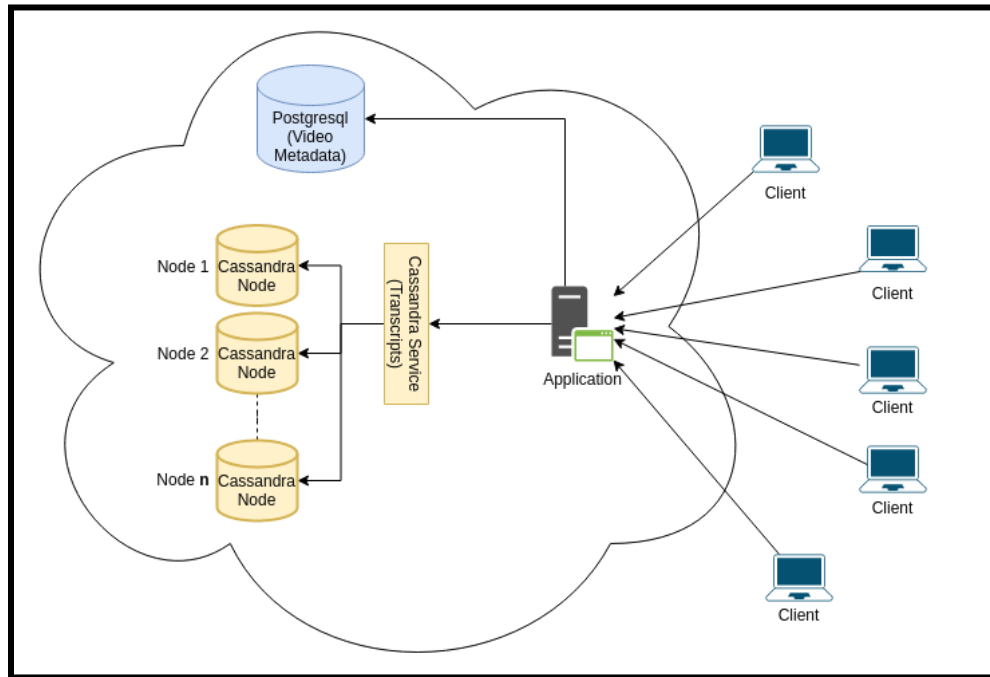


Class Diagram

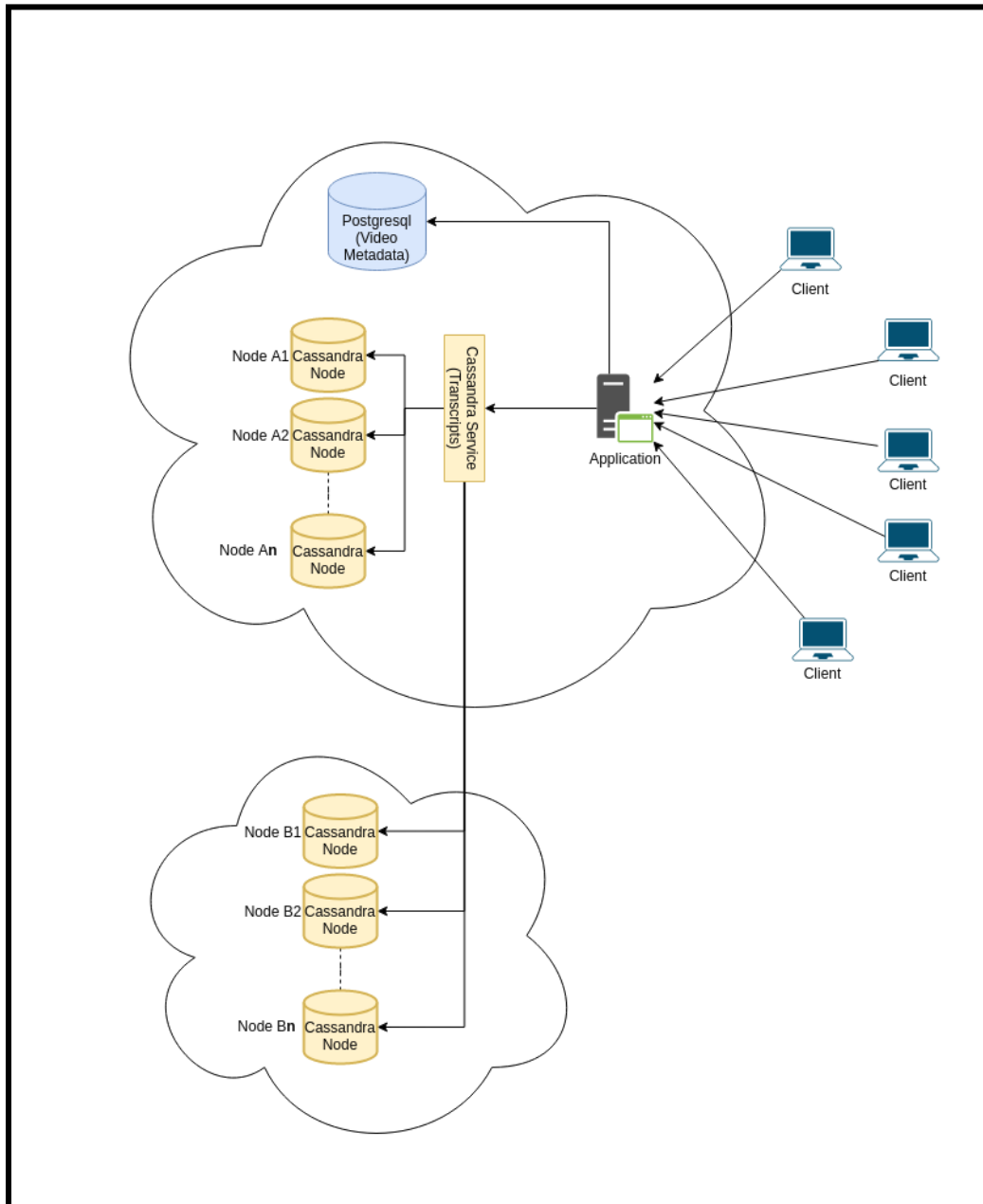


Architecture (3 potential versions)

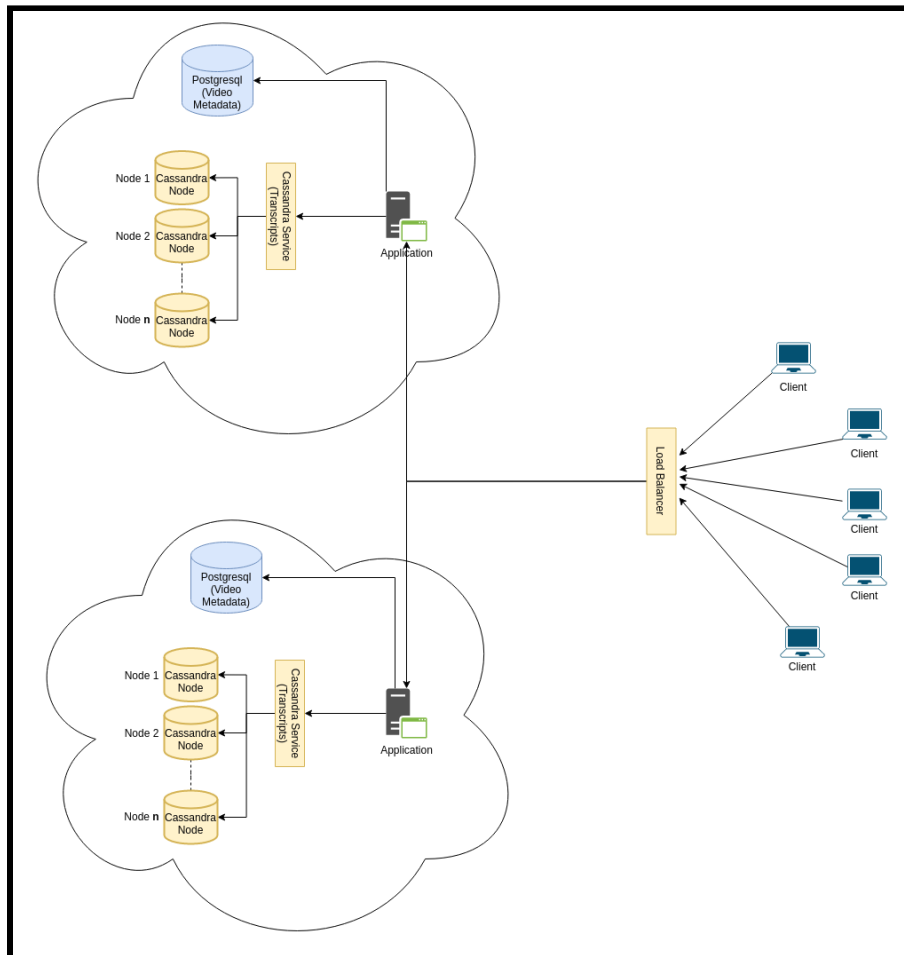
Single Server



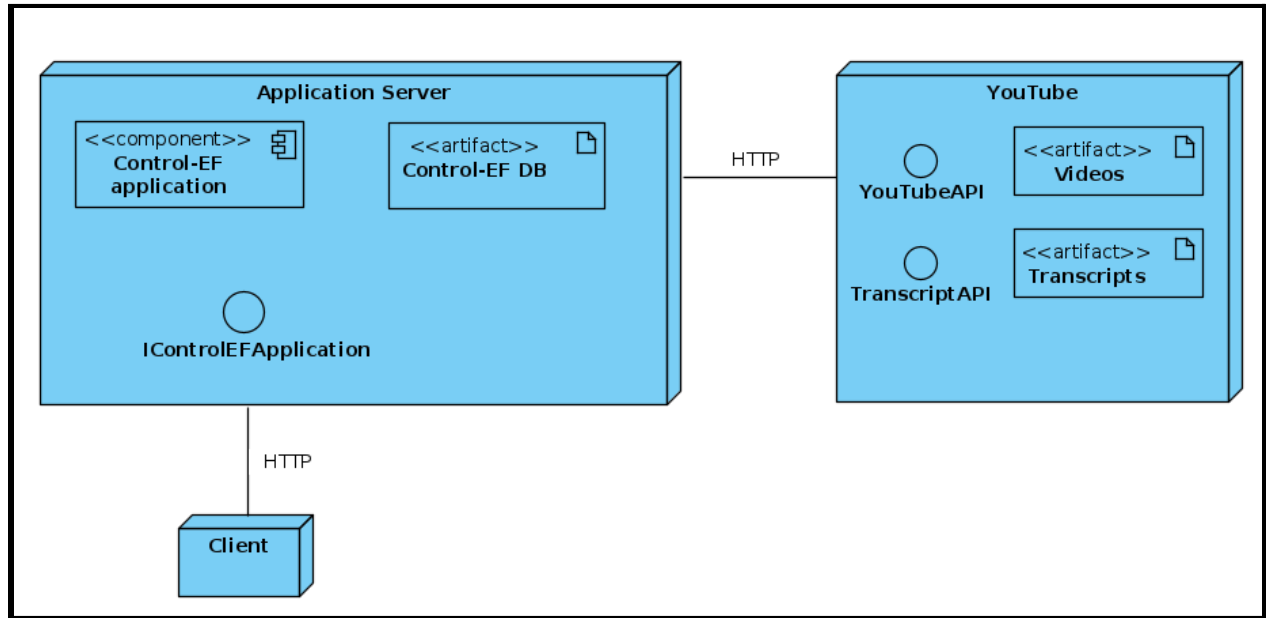
Multi-Server



Load Balancer



Deployment Diagram



Sequence Diagram

