kajka ->
why ketha
what is kafke
Use kejke to send We Cone
Emvil as soon as person
signs up
Copyright Copyright
Right
Youtube
terva Adult Scenes Content
CONC.
Community
When a user upload a video on youTube, there will be check for Copyright, Adult scenes, etc
So lets say you are uploading a YouTube video, can getting a response, whether yo uahve checked all the criteria like copyright n all, -> this response is an Http response
HTTP Ry Performe Model
There may be different scenarios
^
Scenarios
1 (· you upload a video
1 you upload a video All processing happens
Conversion to different Resolutions happening
Resignate — Jass

2. Jour uploaded a video

· Nesson hes got notification, that he
will be notified about fesult

· Later On Processing happen

Step2:When you upload some video on a server, it will take some storage(just like when you download something, it takes storage of your PC harddisk. So when scaler stores notes-> it used AWS S3 bucket and in Azure we have Block Storage

Step3: We need to mark it also where in S3 we have kept our video and putting this entry in DB.

Step4: Start the processing of the video in a processing server

6pm - 9pm

In ase of Load Traffic I need to Scale both upload of for coming Servers Due to heavy traffic hours -> I have to scale, have multiple servers for uploading and processing servers as well. Single boint of failure 'y something bad happen with upload Server So when processing server is doing its job, uploading server is waiting for response from processing server whether my video is processed or not. And user also waiting for response from upload server but if uploading server is crashed there is no way to get the response, this was the central entity (mevel 2112 willow In AWS, SQS is there for Msg Queue , Mussge But if the video is uploaded in S3 -> issue of single problem of failure(SPOF) has gone. Now when the video is uploaded, someone needs to tell Processing server that there is some video which needs to be processed -> Message Queue or kafka S3 :

(froduces) Message Puene If there is a ball coming from hill top to bottom, there are ppl bottom of the hill who might ot might not be interested to take > " Ball I com" EventType -> ppl interested in certain topic Topic / Event Type Mens are interested in WorldCup Suppose children will be interested in Tom & Jerry Womens are interested in Tom & Tevry Shin ham daily soaps they may subscribe to such content 200 Kids Topic: "Cortoon">

	> lopic.	News	Y
		" Cricket"	? Topic:
		u wwt	"Starlle
		VV W E	<u> </u>
So our upload server is Producer, if my producer w interested in the event, it will be awake and take th Event Type: Video uploaded If Five mental meb street askit annulation consumers, w	e msg	queue and if my process	sing server will be
Signup Al I		> we or	checky y
•		Wer	alredy
			exists
		'y n	of exists to
		entry who	into de.
		1 04	n I Man
) we will a	MG Masse
			·
now before sending the response, we will sen	d msg into msg que	ue (MQ) or Kafka	tistery to
and who will be reading that msg -> Email ser		ho conding Walsoms are	all to was who has
Email service will be Listening to all message signed up	or triis type and will	be sending welcome ema	an to user who has

Sent Welcone Envil to ligned up. 10:01 10:02