	Date Page
	DAY-5
Þ	Cloud front
low le	Delivery Content Dynamic Content & Static
	Delinery Dynamic Content & Static Coder (Content) Change
	(Keep on Content) Change
$\rightarrow$	Suppose me have a changing) image Pdf.
	new startup 'A' and
	our initial clients age sum > 0.5 > [EC2]
	In Mumbai and we
	put our state and dynamic
	content in Mumai DC of AWS (33)
	Cupnose unus alat
	Suppose your Startup expands and you have customes from VSA therefore your VSA
	elieut needs to access de therefore your USA
	that will result in lateral and what is
	client needs to access data from Mumbai Oc that will result in latency and what they may not like.
	Your client would like a Quick granger
	Hour client would like a Guick response And your content would be delinered - through Network
0	Network
Medie	
S	(mostly states)
	Content Deliver Not 17 Ak
T	[Content Delinery Network] - Akamai Aws Cloud Front
	- AND Wong From
	12 M2 1 CE 2 1C2
	4) Object Storage as a Service (S3) 4) Block Storage as a Service (EBS
	songe as a service

CIASSMAte

	Classmate  Date  Page
/	Helat can we do for low-latency?
Clien US	Mainde Small DC -250+ Gorcon.  Open / access / download.  A - CDN.  (edge location)
2-3	Images.  Ecré Stadup  Gebenn
	- o Benghulu (edge location)
	Edge location - to deliver the content.  - the mostly frequent data    content that clent of delhi (other cities)  access are kept in the CDN, therefore  resulting in low latency.
<b>→</b>	Client need not to travel to main AZ for the content they can access their nearest edge location.
	Client never travels to main DC o  Suppose a client in USA want to access an image that is not present in nearest edge location therefore, on the clients behalf the aws, havels. and fetches the data from Mumbai DC comes back to the client nearest - edge location and make a copy of it and then delivers the content to the USA Client 7
	Broxy Process. local copy

Cache.

find find

D	Work of Edge Accept " "
	Work of Edge location:  Cache our content for a copy to edge location to achieve lateracy.  TTI - Time to line
	to achine lateralis
	TTL - Time to Live
	- The time the image (content resides in
	- The time the image /content resides in the edge location.
	- We can set our TTL (by default - 1 day)
$\Rightarrow$	Content will exist in a service and that will
	Content will exist in a service and that will act as Origin of that Content
	AWS
	LCON — Cloud Front
	One unique ure for a particular content pubsite
	and through that same use everybody
	One unique url for a particular Content pubsite and through that same url everybody around world will access the Content.
	Diskibute Web Content -> CDN.
	Aws Cloud front
	The country to the
	Client
	The state of the s
	0
	(edge 1 edge 2 (If goes down)
	- automatically connects to edge 1 or nearest
	automatically connects to edge 1 or nearest edge location - fault tolerance
	U

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	For fault tolerance in EC2 me go for ELB. [Elastic Load Balances]
	> Jio Saavan uses AWS Cloud Front for streaming
C	Practical
	Origin S3.   Object in S3   Content.  [Bucket]   no body can access this bucket/content directly  Suppose Some image - We will have an image [rieskilt bucket]  url as soon as well put it in S
	CDN → Cloud front - first time we create  (global)  (global)  15-20 minutes time as  its globally created  > URL ← Client → (Create Distribution)
Ø	speed-up content delivery through > http/https.prolocol  (Slatic of dynamic.  Content)
	but for line Streaming -> RTMP (protocol)  Real Time
<u></u>	Reskict Bucket Access data can be only accessed through CDN and not S3 421, directly

for S3 only wants CDN service to access data then we have to create Bucket Policy CON Grant Read Permission on Bucket (Inside Create Diskibution) Oyes, updale bucket policy. Edge Location Client Viences. https: we have encryption Litte: not secure. http://google.co.in > reducels itself https://google.co.in. Orgin access Identity - like a username Cland Front -> Popular Objects Miss / Hils ean be seen. -> Reports and Analytics 4) see upon users priemers. Edit Geo - res kictions 4 Me can blacklist countries to deny them access to

MAL