Nane: Akanksha Shinde CLASSIDISC ROUND 153 Assignment No: 1 / 65/2 the \$8 53 bucket and Video Streaming an Aws using 53 brucket. Step 1: levente an 53 brucket.

Thogin to Aws management console and chick on weater brucket name, select region and click weate. Step 2: Upload Video Files to 53.
Namante to 53 brucket and like upload, give permissions to "Public" and click upload. Step 3: Configure S3 burket for Video Streaming. In 53 lencket click peroperties and enable static website hosting. Set index downers to you video file name. Set "Gove taument" to westorn loves page. Step 4: Create as Cloud Front Distribution. go to cloud Front dashboard and click create distribution and select "Web" distribution. Also set "Dougin" to 53 bucket Set "Default most object" to your video file name and click Step 5: Configure Clard Frond for Video Storeaming click Behavious in Cloud Front distribution and chick create new behaviour got path hattern to ("wildrand). Also set Compress objects automatically" to "Yes" and save. FOR EDUCATIONAL USE Sundaram

Step 6: Go to AWS Elemental Medialonwest doubloared and societe a new job. Select wideo from 53 and choose output format as HLS, DASH and click create job. Step 7: Jest Video Stevening. Access your Cloud Front distribution URL and berify video playback. Discuss BMW and Hotston case studies wing AWS BMW is a leading luxury automobile manufactures wanted to create and imperous operational efficiency Challenge: BHW faced scalabelity issues with its onpromises infrastructure, hurdering its ability to analyze want amounts of data from connected websides. AWS Solution: Migrated data analytics platform to Aws, utilizing seewises like 33, EC2 and Redshift Implemented Aws lake formation for data warehousing and governance Used Aus landa for real-time data perocessing and API gatemany for seure APIs.
Benefits: Supported 10 million concurrent users during live event Reduced latency by 50% and imperoved stronging quality. Achieved 30% jost savings compared to on-france intradictions. infrastructure. Hotston: Hotston is India's largest streaming platform.
Ihallenge: Idotston forced challenges in handlenge
massure traffic spikes during live events ensuring low

latercy and high availability Solution: Serverless Video Problessing - 1) Aws Elemental Media convert termscode and package videos for various devices. Perviding scalable content delivery which handles marsine traffic spikes. It supported to million concurrent users during line events. It also reduced wides perocessing time by 75%. Benefits: Reduced latercy by 50% and inferenced streaming quality. Achieved 30% was sourings compared to on - bremises inbrastowetiess: on - promises infrastructure. Turby Rubernetes and advantages and disadvantages of kubernetes. Explain How adidas uses rulements. Kubernetes is an open-source contained our hestration 83 edns system for automoting the deployment, scaling and management of containerized applications Advantages: Scalability: It automatically scales applications to meet High swalability: Ensures applications are always available even in case of node pailures. Nicadvantago: It has steep leagning wome due to complex anditecture It requires significant resources for large-scale deployments.

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How Adidas uses kulicometes: Ididas opts for containerigation in which they entrinearized Its applications using docker. It her implemented prehestration in which Ruleanetes manages and scales containers. Adidos adopted microsociais architecture to imperore and flexibility. The bompany deployed kulometer on Goods Kulometers Engine (GKE) for Scalability, reliability and neduced infrastructure management. Thus by improved improved improved scalability, flexibility, reliability and efficiency in its e-commerce platform. What are Nagios and explain how Nagios are used in E-services? Nagios is a popular open-source monitoring tool for tracking IT infriastructure, roturers and applications. Following is the way how Nagios is used in E-sprikier of Monitors server and application uptime performance and availability. Detect ennoy, failures and security breaches. Sends about and notifications to admin for perompt Brovides real time dashboards and reporting for performance optimization Ensures high avoidability and reliability of e-securies such as online shopping, banking and streaming.

(Sundaram)