Nome: Kshitij Hund te Div: DISC Roll No: 18 Assignment - ! Adv - Devops Q.1) Use S3 bucket and host Video streaming.

The step by step procedure is as follows: Step 1) Coease on 53 bucket 1. Log into your Aws monagement console. 2. Navigate to S3 under storage section. 3. Click create Bucket and provide a Unique bucket nome 4. Configure permissions. Ca 5. Complete the bucket creation process Step 2) Uhlood Video files on 53 1. click on your bucket nome. 2. Use the upload butten to add your Video file. 3. Set the access control list (ACL) to allow public tead occess. Step 3) Enable static website hosting
1. Inside the S3 bucket, go inside the properties tab 2. Scroll to Static websile hosting section and enable it. 3. Set the index document and provide an optional estor document. Stop 5) Configure bucket permissions to allow public access. step 5) 1. Creare on index. html file containing a video player using the video > fog. 2. uplood this index. html to gour 53 bucket Step 8) Access your hosted Video Your Video Would be Playable in embedded HIML Player Sundaram

(Q.2) BMW and Hotstor case study using Aws. > BMW uses Aws to power its connected cos System, enabling real time data processing, over the ait updates and personalized driving expedience Alus's global infrastructure helps BMW monage large scale Vehicle data allowing predictive maintainence and enhancing customer experience Through features like traffic info, Parking availability. It provides scalability and Security, ensuring that BMW con deliver services efficiently. · Hotstat a leading streaming platform telies on Aws to manage massive traffic spikes during live event like IPL, where millions of lesers connect simultaneously. AWS helps hotstar scale classically, utilizing ECZ instances, Cloud Front and 53 storage to frande low latercy, high quality Video streaming this ensures smooth service duting heat loads enabling hotstoot to handle over \$25 million users. Why subernetes and its advantages and disadvantages. Adidas care study. Kubernetes automates the deployment. Scaling and management of containerized application, making it popular choice for orchestrating microservices. Advantages · Automated Scalling and Self healing,

· Supports multicloud and hybrid deployment.
· Efficient resource usage through containers

Otchestration.

Disadvantages

· Complexity in setup and operation
· Requires stepp leathing know for Configuration Adidas uses Kubernetes to manage its E-rommen infrastructure, which involves deploying 100's of microservices. Kubernetes enables Adidas to handle Peak troffic during product launches by scalling services automatically and distributing loads efficiently. The Agility and scalability have belied adidas strengthen its digital spetation and improve uses Datis Jackion. Q.4) What is Nagios and How its used in E-services? Nagios is an open source monitoring tool used to monitor the health and performance of It infrastructure. It tracks system metrics like CPU, memory, disk cusage, before they affect the users. In E-services, Nogios ensures uptime and performance of critical online services by monitoring service health detetains failures and automatically trigering failure actions.

This proactive approach helps to minimize FOR EDUCATIONAL USE Sundaram

downtime and maintain service availability, making it a crucial tool for maintaining seam less uses experience.