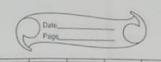


S Creating Cloud Front Distribution Go to Cloud Front from AWS Console Click create distribution Under Origin Select your S3 bucket from the list Origin Path' leave empty Cache Behavior: Choose Use origin cache header or sperify custom TTL Settings for how long content is coched at edge location. 6. Embed or Access video Streaming you can now use tollowing code to embade you video L video width = "640" height = "480" " controls> < gource se src = "Your Source of VIDEO"> El Video>

Teacher's Sign.: ___



Advideops assignment

1. BMW Case Study (AWS) BMW adopted Aws to enhance its customer experience by leveraging Aws's cloud services
for connected vehicles data analytics and mobility
Services BMW uses Aws for: > Scalablity: Aws allows BMW to scale up their connected car services to handle millions of vehicle and costomers. Data Storage: BMW uses Amazon S3 for storing vehicles and sensor data from millions of cors > Analytics and AI: By using Amazon Kinesis, BMW streams and processes real-time vehicle data to provide advanced analytics, improving Services like predictive maintainance and personalized experiences. > Innovation: With Acus TOT services, BMW enhances connected vehicle for ctionalities, offering features like remote vehicle updates, vehicle monitoring

Hotster Case study (AWS) Hotstar, one of India's leading platforms, leverages Aws to handle high traffic especially during live Sports events lik IPL Cricket mortches:

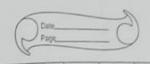
Scalability: Hotstor uses Aws to scale their services in real -time to handle over to million concurrent

Teacher's Sign .: .



Teacher's Sign.:

Elastic load Balancing: Aws Elastic load Balancing ensures seamless content delivered by distributing incoming application traffic accross multiple Servers or Calobal Reach: By utilizing Aws Cloud Front (DAN), Hotstar ensures that user around the world can stream content without latency. > Dota analytics: A cus hambda and kinesis are used for processing data streams, allowing D real time analytics. Q.3 Why kubernetes and advantages and dis advantages et Kubernates. Explain how adidas uses Kubernetes. > Kubernetes is an open-source container orchestration platform used for automating the deployment, scaling and managment of contanerized applications. Advantages of Kubernetes > Scalablity: Kubernetes scales application up or 1) down automatically, depending on traffic > Portablity: Kubernetes works on diffrent environment (on-premises, public , or hybrid clouds), offering flexiblity. > High Availiblity: It ensures high availiblity of applications by maintaing multiple container
replicas and providing self-healing by replacing tailed containers.



Automation: Kuberneter automates deployment and updates making continuous dilevery easier.

Rescurce management: It efficiently manages computing resources, ensuring optimal use of CPU, memory and storage.

Dis advantages of Kubernetes:

curve, requiring knowledge of Containers,

> Overhed: Managing Kubernetes Can add overhead in terms of resource usage and operational costs.
> Security: Configuring and maintaing security

especially when deploying at scale.

How Adidas Uses Kubernetes

Adidas uses Kubernetes to improve the agility and performance of its e-comerce platforms.

Some highlights include:

Micro Serives Architecture: Adidas migrated its
mono tithic e-comerce application to microservices
> Scalablity: During high-troffic events, like product

launches, Adidas can dynamically scale its

site remains responsive.

cloud Ag nosticism: Adidas run its kuberneles
cluster across multiple abud providers enhancing

evail blity and per lormance.

Teacher's Sign.:



4. What is Nagios, and how is it Used in E-services -> Nagios is an open-source monitoring tool used for monitoring the performance, health, and avaliblity of IT infrastructure. It sends alerts when potents issue are detected enabling proactive managment How Nagiones Used in E-Services. > Monitoring Uptime: Nagios monitors the avaliblity and uptime of websites, applications, and server to ensure seamless acess for users. > Performance Monitoring: It terms the performance of server, dotabase, and applications, notifying administrator if any services are running slove > Alerting: Nagios sends alerts it any critical Components fail or it theres a degrading in service quality, allowing for quickly re response and resolution. System metrics, Nagios can detect anomali-De and trends.

X.