Name - Vedant Dryke DISC Rollno > 9 (05) 05) Page (0) Advocrops Assignment - 1 Use S3 bucket and Video Steaming through hosting. if Jo hast video we will first create a real project uses

select which video should be housed.

ii) we will stort by login in to Aws personal account then in

services we will select S3:

iii) we will dick on oreate bucket and short stort creating

the bucket by naming it properly selecting Aws region of jet

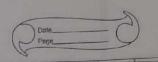
owned hip should be odisabled Blaking will public access thus

oreating S2 bucket:

iv) wow we will upload over video on the S3 bucket
iv) wow we will select on cloud Foort Services and weste

new distribution we will keep the origin according settings new distribution we will keep the origin access control setting and reate control setting. Later and name and tick an sign reguests select origin type as 53. Thus create new distribution in addition lettings now we will add the created control setting hater in Viewel Section we will add Redirect MTTP to MTTPs and select on cache policy and origin request will cache optimizing In settings select on Use only North America and Europe wow selecton breate distribution vi) le now its important to change policy of S3 busket we will dick on edit policy and copy paste the policy provided in the yellow alert (to change policy megsage). vii) wow we will copy the name of the Reated distribution in the distributed domain name also the key of the video apposed in the S3 bucket for that wick on the blue link

under the name of video file ciplended. viii) In the distribution then 6% kayrame". Zeromain name > / < xeyname > hit enter and you will see the
video wow copy the https URL of this page. In seart project
add a video tay will all the required settings such
as height width muted etc. then add a source tay
to it and paste the copied URL in soc = "." I seast project.



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(P.2) Discuss BMW and hotatas case stadies using AWS.

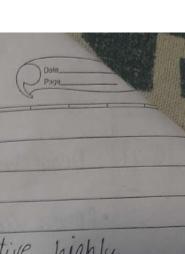
· BMW: Cloud - Enabled Digital Transformation with AWS

BMW a global automotive leader, leverages Amazon web sorvices (AWS) to extrance it's digital transformation and accelerate innovation. Brow ained to sedefine the automotive experience by incorporating advanced features like personalized in car services and predictive maintaince. Aws played a pivoted role by providing scalable infrastruture and advanced analytics.

Brow utilized AWS's doud computing services to collect stoll and process vast amounts of data from it's connected vehicles which included performance data sensor inputs and user preferences which rus's rufe of hools, Brow anytemented markine learning algorithms to analyze this data in real-time offering predictive insights and enabling semote diagnostics. Aws enabled BMW to build a serverless architecture minimizing infrastruture management overhead while maximizing scalability.

· Hototal: Scaling for Mayive User demand with AWS

Hotsles India's leading video streaming platform, uses Aus to handle massive spikes in traffic particularly during high profile events like the Indian Premies League (IPL). Aws alleged Hotsless to scale on-demand, ensuring that the platform (gold support millions of concernent user us thout experiencing downtime of performance



degradation.

Abditionally Motstar wilized Amazon S3 for cost effective highly available antent storage wis setup allowed for fast content delivery. Hotstor employed Aws Bastic Load Balaning Auto Scaling and Amazon would front to distribute content efficiently and provide a smooth streaming experience. This allowed retotal to sale horizontally and balance traffic loads across servers reducing latency for were abbaly:

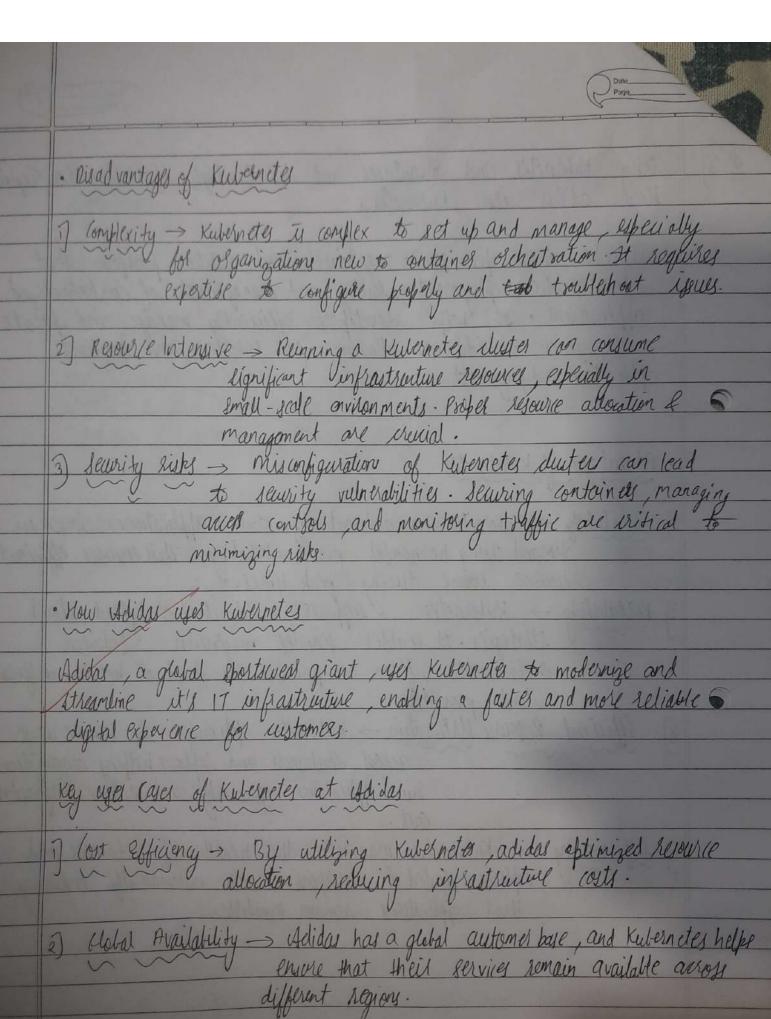
Conclusion Both BMW and Hotster showcase now Aws can enable businesses to scale efficiently enhance performance, ensure security and drive innovation in their respective industries.

Teacher's Sign.: __

why Kuternetes and advantages and disadvantages of Kuternetes. Explain adidas usel kuternetes. * Kubelnetes is an open source contained orchest ration platform that automates the applyment scaling and management of containerized applications. It nells developers efficiently manage and operate mi aroservices architecture, allowing for scalable and regilient application depleyment. 0 · Advantages of Kubernetes 1) Scalability > Kuterretes can automatically scale applications based on demand using horizontal pod autoscaling. This enjoyees efficient resource usage during peak times.

2 Postability > Kuternetes supports multi-doud or hybrid cloud strategies. It enables seamles migration between environments, from on-premises to doud or between different cloud providers.

3) Efficient Resource Utilization > Kuternetes eptimizes to resource usage across containes and replaces helping organizations from applications efficiently and retrue infrastruture cost. Self-healing -> Kubernetes monitors the health of containers and replaces failed of unresponsive ones automatically enuring that applications remain available.



Teacher's Sign.: ____

Datu_Pagq_

what are nagion and explain how nagion are used in E-services?

· Nagios

Nagion are open source monitoring tool used to monitor systems networks and infrastructure. It provides comprehensive monitoring and alerting for servers application, services and network derives. Nagion can detect potential issues before they affect suitical business processes and ensure high availability and performance of 17 infrastructure. Nagion monitors system performance metrics such as Cru wage, memory utilization, disk wage and network traffic.

· How Nagios to used in E- Services

In the context of E-services, which reflet to digital services provided over the infernet such as e-commonle, e-banking, e-learning.

- monitoring services Availability > Nagios can monitor the uptime of
 exertial services like web servery application servers and ata database
 that are part of e-services For instance, in an e-commune platform.
 Nagios ensures that services seuch as payment gateways, product search
 and checkout remain operational.
- Network Monitoring > E-services sely on Network infrastruture to

 deliver content and services to users. Navigating

 ragios menitors notwork devices such as routers twitches fixewalls and

 load balancers to ensure smooth traffic flow.

Teacher's Sign .:

