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	DISA/51 Assignment 1
	Assignium
1)	Use S3 bocket & host video streaming
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	To host a video streaming project we
!-,	need to use AWS service like 53 and
	Jo host a video streaming project we reed to use AWS service like 53 and cloudylare:
	American S3 offers diject storiouse to designed
	American S3 offers diject storage to designed to store & raticeve are anost of data from anywhere in the web.
	orywhere as the webser me.
	Charleflore is a content delivery retural (CDN)
Elik a	service within AWS, that has lot of edge
()	Abolifore is a content delivery return (CDN) service within AWS, that has bet of edge location around the world
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william	S-1) breate a S-3 tricket update broket policy.
1 time	"note Enable bucket versioning"
	(5-2) Apload your video an 153 bocket
15	ar one of himman. I as the execution
	5-32 let-up Origin access. The row
0	5-37 Dearch for cloudfront In cloudfront
1/3/3	Most ip originacións controls o man
.(3)	5-47 Create distributedmining in williams
- 1	5-9) treale distributioning : inthematics
ale	o while creating distribution, choose the S3
	bocket vested earlier as vorigin domain
34.11.47.	of In origin acess section select origin access
	55 control settery? [which is recommended) option
N	and choose origin access control created earlier.
udition	· In viewer section select Redirect HTTP- and HTTPS!
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S-5) Once socoted distribution is scented, copy it's domain name. 5-6) Koping kong from so of your video/project from 53 bucket and poste it infront of the demain name copyed earlier Discuss BMW & Hot Star care study using Aws. BMW Group The BMW Group has used AWS to transform it's data improagement and analytices copability By mitigating it's on premises, data lake to AWS, the company has been able to process approximately 10 teralytes of data daily. from over 1.2 million vehicles. This mitigation allowed BMW group to create a centralized Cloud Data Hub (CDH) that serveras eranco mart stab beginnerano estargos By using. Ausservices, like ous S3. for data stronge, Aus lambda for serverless computers, BMW can exale their applications globally without being limited by Infrastructure. ans services help BMW maintain strict secrivity FOR EDUCATIONAL USE Sundaram

gribulari sichian anatologur expoilques bro eruse si atob romateur tart privieres, 2990 autylant beinouble. Utilizing AUS sources like sugemoiser for machine bioring grincail endran grimasite stab mostar primarti tagual dalbal ai rap aul uses AWS for its suil at rap awa on - demond sourios. Here's how this played a crucial rule · Handling massive scale for live events.
One of the biograph challenge was scaling its infrastructure to handle peak traffic strain bencarta ratuaga privais · Elastic-locid bolance & ECZ. Hotstor ECZ utilizes amazon ECZ instances to scale impute resources dynamically Elastic stratorical cally (BLB) sonalor Goal traffic across miltiple instances allowing hotels to handle millions of users · Serverless orchitecture Motston uses AWS lander to run robe without a eglet escurer - proponam so priviraing raing

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scaling outamotically for peak usage. 3) why kiberretes and advortages & dissalvantages of kiberretes? asterretes? Kubernetes often known on Kriss om opensource yet bagailand maptalan nationates are renistrar galge that outaments that development, deploys been beginning of transparance but propriets from mutasiggo neitarireriation, transpalab to norticination, restantiation transparan boro, pollare Advantges utilikalas o gelectrogical institutes alors gularitametric state under the temper all all alors and the conditions of several and all alors of several and all alors of the several and alors of the several alors High coubility - - - with the library estiliteges revelled and gainaged book in thing & nous sklationed miamor springer talt sources some instances goes down. ine Carlain traingoand? exercises trainiffs in it is xubernetes observes reserves dynamically based

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on workload requirements optimizing infrastruture use. Disadvantages St is the biggest disadvantage of kilvernetes.

It is the biggest disadvantage of kilvernetes. "Hetworking in knowneter con be complex when dealing with multi-cluster environneits or environ network security but services iii Resource Intersive Riving a K8 charter requires significant competation resources making it potentials for overful. 3) Motte Microsovire Architecture Adidos itilizes ko to manage its nicroservices orchitecture, allowing different components of its examinerce photogram do scale independently hosed on demand.

(Sundaram)

ii) Devops Integration.
The company integrates Kuberneles into the its
Devops practices, enabling CIICO pipelines that
accelerates software development cycles.

iii) Enhanced customer Experimentes.

By deploying on of uberietes, Adidas can provide a more reliable and responsible online shapping experience.

What we Nagios & explains how Nagios

ore used in e-services?

Nagios is an open-source monitoring tool designed

for IT intrastructure monitoring It helps organiza
tions monitor retwork devices, source, applications

and services to ensure they operate optimally

and to detect, potential issue plefore it lead to

service disruptions

E-services, which include online platforins offering electroning services such as e-commerce & banking, etc.

1) Derver and application Monitoring! Norgios monitors

Sower metrics like CPU load, memory was a disk space.

in Metworking monitoring: E-scrvices heavily rely on winterrepted retwork connectivity. Naglos menitors network devices like routers, switches, firewalls and load balancers, detecting potential problems.

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latalose Menitorina Dotal crucial for the functionina principal shalt correctes and it checks for performance and slow query execution	of e-services. ore running e issues like
By monitoring notwork traffic usage Nagios helps e-services pridentify potential bottlenecks in that cloud indicales sere securions and performance issues.	

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