ANSHI TIWARI DISC - 56 Adv Devops Assignment 1 DOB: 27/09/24 QI use 53 pucket and host video streaming. To use Amazon 53 bruket for hosting a video streaming, you can use a video embedded in an NIML like. 1) Prepare your video file and nome file. Add the link I SCR tog your video in the html in the tollowing form. C video width = "640" height = "360" controls > Source SOC = "https:// BUCKET-NAME, S3. YOUR_ REIGON, amazon aws . com/ videofile. mp4" type = "video/mpt"> Tour brower does not support this. </rideo> </body> 2] Create an s3 bucket. login to AWS console, go to Amazon ss and create a bucket with the appropriate settings

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	It can be accessed anywhere.
3)	upload your video and NTML files to S3 through the "upload" feature in your bucket.
4)	Contigure bucket permissions. This is done to make the files available for public access. Under the "permissions" talk, dick on "edit" for "object Ownership" and ensure that "Acls enables" is checked.
	Also add a briket policy.
5)	thable static website hosting on S3.
6)	Access your video streaming website through the generated URL under the bulket.
a the	
Q2]	Discuss BMW and Hot Star Case Studies using AWS.
-	BMW uses Aws to build and scale its connected ar
	platform, providing services like real time traffic updates, remote locking and vehicle diagnostics.
	· scalability - BMW uses Amazon Elastic Kubernets
	Service to manage and scale its hicro-service
190300	bused architecture.
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111 cz for storage
- Data analytics: BMW uses services like 53 for storage
Amazon EMR for data processing and Amazon
The state of the s
Athena for querying. Security: AWS Identity and access management (IAM) and AWS Key management service (KMS) are used for access cours and analyption.
and AWS key managemen
for acers court and chapping
Hotsar: It is a popular streaming sile in India.
Amazon Roule 53: uses the port no 53 to provide DNS
Conice to its applications
Amazon EC2: provides scalability and reliability
that he in the Aws cloud.
to the computing capacity in the AWS cloud.
Amazon cloudfront low the latency and high transfer
speed of 5700 GhBs for notstan is and through
I doughout as it provides content beginning
Network (CDN) Services.
Amazon 53: storing and fetching data as per
requiremt.
The second secon
Like the country and a disorder of the frontier
why kubernets and adv/disadv of it. Explain
how adidas uses kuhemetes.
1 Kos is an open source platform that helps automake
the deployment, scaling and management of
containented applications. It was developed
by Google and is now maintained by the
cloud Native computing Foundation.
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Market 1	Advantages q K85:
	scalability: it allows you to easily scale your apps up
	and down as needed.
6	portability: Kubernets works across cloud env like Aws,
	google dond etc.
	Test healing: automatically restarts containers that tail.
	efficient use y resource : can optimize resource usage
	Disadvantages q K85:
	complexity: steep learning arms and requires
	Significant expertise to manage.
-	resource consumption: requires a fair amount of
	computational resources
2	sety & maintainence: time consuming process
-	cost: very expensive.
->	
	How adidas uses Mubernets
	Add to the state of the state o
	Adidas has embraced KSS to transform how they develop
	and deploy software?
	naurosenice architetture: by breaking down their
	applications into small, independent services that
	can be deployed seperately.
	scalability: K85 helps adidas scale its applications
	factording to demand and truffic analysis
	facter sytware delivery: to accelerate the
	Softmare development lifetyde.
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dond native strategy: adopted huberness as part of its providers. continuous integration / Continuous delivery (U/CD) pipelines with K85. What are Nagios and explain how Nagios are used in E-services? Hagios is an open source tool used to monitor IT infrastructure like servers, networks, and applications It alerts admins it something goes mong and 1) uptime monitoring: ensures that the t-senice's systems are always running and alerts if there's a failure. 2) Service monitoring: tracks entient services like e-com apps or online banking to merent outrages. 3) Performace tracking: monitors somer hearn (CPV, RAM BW) to avoid slondowns, helping keep e-services fast and responsive. 4) user emperience: stimulater userfactions (logins, transactions) to ensure the service is punctioning smoothly. FOR EDUCATIONAL USE

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