	ANSHI TIWAPI
	DUSC - 56
	Adv Devops Assignment 1
	DOB: 27/09/29
QI	Use 53 bucket and host video streaming.
	d
	To use Amazon S3 bruket for hosting a video
	streaming, you can use a video embedded
	in an MIMI File.
1)	Prepare your video file and nome file. Add
	the link I SCR tog your video in the html
	in the tollowing form.
	<pre>C video width = "640" height = "360" controls ></pre>
	Source
	SOC = "https://BUCKET-NAME.S3. YOUR- REIGON, amazon aws
	com/ videofile.mp4" type = "video/mp+">
	Your brower does not support this.
2	
2	Create an s3 bucket.
	login to AWS console, go to Amazonss and
	create a bruket with the appropriate settings
	The section of the se
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	Disable "block public access" as new to make shre it can be accessed anywhere.
3)	upload your video and MTML 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" tas, dick on "edit" for "object Ownership" and ensure that 11 ACLS enables" is cherked. Also add a bruket policy.
5)	Enable Static website hosting on S3.
6)	Access your video streaming website through the generated URL under the bulket.
_	Discuss BMW and Hot Star Case Studies using AWS. Discuss BMW and Hot Star Case Studies using AWS. Discuss BMW and Hot Star Case Studies using AWS. Discuss BMW ases Aws to build and scale its connected are platform, providing Services like real time traffic updates, aremote locking and vehicle diagnostics. Discuss BMW ases Aws to build and scale its connected are platform, providing Services and vehicle diagnostics. Discuss BMW ases Aws to build and scale its connected are platform, providing Services and vehicle diagnostics. Discuss BMW ases Aws to build and scale its connected are platform to service and scale its hiero-service based architecture.

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		- Data analytics BMW uses services like 53 for storage, Amazon EMR for data processing and Amazon Athena for querying.
		Athena for querying. Security: AWS Identity and access management (IAM) and AWS key management service (KMS) are used
		for access court and encyption.
(Holsar: It is a popular Streaming site in India.
4		Amazon Route 53: uses the port no 53 to provide DNS
		Amazon EC2 provides scalability and reliability
		Amazon (loudtront low the latency and high transfer
		speed of 5700 Obps for hotsten is done through
		conditiont as it provides content Derivery
	<i>(</i> 0	Network (CDN) Services.
		Amazon 33: storing and fetching data as per
		requiremt.
	03]	why kubernets and adv/disadv of it. Explain
		how adidas uses huhemetes.
		1 Kos is an open source platform that helps automake
		containenced applications. It was developed
		by Google and is now maintained by the
		cloud Native computing Foundation.
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Advantages q K85: · scalability: It allows you to easily scale your apps up and down as needed. · portability: Kubernets works across cloud env like Aws, google dond etc. ielt healing: automatically restants containers that tail Efficient use y resource : an optimize resource usage Disadvantages q K85: · complexity: Steep learning arme and requires Significant expertise to manage. resource consumption: requires a fair amount of computational resources sety & maintainence: time consuming pascuss cust: very expensive. - How adidas uses Mubernets Adidas has embraced KSS to transform how they develop and deploy software? pricroservice architetture: by breaking down their applications into small, independent services that can be deployed seperately. scalability: K85 helps adidas scale its applications according to demand and traffic analysis. facter sytware delivery: to accelerate the Softmare development lifetyde.

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- cloud native strategy: adopted kniberness as part yith doubt native strategy. They use it with public cloud providers. continuous integration / continuous delivery (U/CD) pipelines with K85. 1 What are Nagios and explain how Nagios are used in E-services? + Nagios is an open source tool used to monitor IT Infrastructure line servers, networks, and applications It alerts admins it something goes wrong and logs these Dypime monitoring: ensures that the t-schile's systems are always running and alerts if there's a failure. 2) Service monitoring: tracks ential denices like e-com apps or online banking to merent outrages. 3) Performace travery: monitors somer hearn CLPV, RAM BW) to avoid slowdowns, helping keep e-services fast and responsive. User emperience: stimulater userfactions (logins, transactions) to ensure the service is punctioning smoothly.

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