In default cache behaviour, under neiver, select redirect http to https. Under web application finewall, select enable security protections to provide a layer of security Theep remaining options as default and dick on create distribution c. Accessing the hosted video. name of your distribution. 2. Now go to 83 bucket and click on its name. Click or the name of your video you have uploaded 3. Combine the domain name of the distribution & the key of the video to make your final link of the video chat is streamed.

#### 2. Discuss BMW and Hot star case studies using Aws. BMW group case study with AWS Overnew: - BMW Group one of the worlds loading premium automobile manufacturers uses two to drive innovation and efficiency in its It infrastructure. The company leverages two scruces to build a serviciless and highly scalable platforms, which supports its connected can architecture and provides a seamless digital experience to austomers Challenges: BMW Jaced challenges in managing a global network of data centers that required significant maintainence and operational overhead. The read to analyze mot amounts of data generated by connected cars & delivers updates to millions of vehicles worldwide made scalability & real time processing ownal Solutions with AWS: Connected can platform; BMW builds Ios connected can platform on Aws using services like amozon 53, amozon Ecz and Aws Lambdo. This platform connects and processes terabytes of vehicle sensons data enabling real time analytics and enhancing predictive maintaience Data storage & analytics. BMW uses amazon 33 for scalable data storage and amazon medshift for data analysis Machine learning: Used amazon says master to build models for improved safety & services

Hotstar case study with Aws. - Overneis: Hotstar bre of Indeas larger storming platforms, uses Aws to manage traffic peaks during Righ profile live events. Challenges: Hotstar readed to handle unpredictable traffic spikes especially during wents like IPL, with millions of concurrent newer - AWS solutions Scalable architecture: Hotster implemented Aus Services like amazon cloud front and amazon 93 to manage traffic peaks effectively. This setup allowed notstar to scale dynamically and handle over 25 million concurrent viewers during IPL Serviceless architecture: Aws Lambda and Amazon Dynamo DB were used to build somicless components, reducing the operational overhead and ensuring that the infrastructure scaled automatically with increasing traffic Content delivery; Hotelar leverages amoson cloud front a global content delivery network (CON) to distribute video content to user worldwide with low latercy. and high transfer speeds.

why kubernetes and advantages and disadvantages of kubernetes? Explain how adidas uses kubernetes kubernetes is an open source container oschestration ptatform that automates the deployment, scaling and management of containerized applications. It allows for efficient management of obusters of containers, typically used in microscrinces architecture. Here is a breakdown of advantages & disadvantages. Advantages. · Scalability: tubernetes enables automatric scaling of applications based on the demand for resources high availability: It ensures Righ availability of applications through container redundancy self healing: It is a container crashes kubernetes automatically restarts it and is a node fails, it redistributes the containers. flexibility: It works across different environment, whether on premise or doud Disadvantages. complexity: setting up 2 managing kubernetes can be complicated, especially for small trams or organization\_ learning curve It requires a deep understanding of contoninerzation, networking and doud notive concepts. FOR EDUCATIONAL USE

· Resource overhead. Running kubernetes clusters consumers significant system resour which might be overall for small applications Operational overhead: Maintaining kubernetes dusters ran require organiz mantainince and management, often needing specialized devops expertise Adidas leverages kubernetes to power its detail transformation and improve the scalability and reliability of its digital infrastructure. Microsonices architecture scaling for peak demand. agile development. cloud native approach. improved CI/CD pipelines Adidas Packages its applications into containers using Docker on similar tools. Apps are deployed in kubernetes as gods, smallest deployable container unit configmaps and scerets are used to stone scrittive information sud as MPI keys. Namespaces are used to logically separat resources of different teams (like dev, prod test)

4. What are Nagios and explain how Nagios are used in E-gernies? Nagios is an open source montoring system that helps organizations monitor systems, network and performance It provides altering services for servers, applications and network devices key features of Nagios. Monitoring: Tracks the status of hosts and services.
Alerting: Sends notifications via email or sms when usus are detected. Plugias Supports various plugias to extend functionality for monitoring different sources web interface: Offers a user friendly dashbaard to visualize system health. Customizable: Highly renfigurable to git specific monitoring How Nagios is used in Escrices Uptime monitoring. Ensures that web applications and services are always available to users. Nagios can continuously check the availability of websites and alent administrators of any downtime Performance monitoring; Tracks resource usage (con memory)

FOR EDUCATIONAL USE

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(disk retwork) to ensure that servers are operating efficiently. This helps in proactive resource manage. ment. · Service maritoring Monitors specific applications and services (like databases or email servers) to ensure they are running correctly and responding to · steenpose · Alerting and Reporting: Brownder real time alerts for system failures or performance degradation enabling quick sees to usues that rould affect service delivery Capacity planning gathers historical data that can help in forecasting future needs allowing organizations to sed their infrastructure accordingly