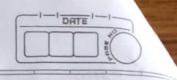


In the new tab, append I and paste the key to the domain Name · Your video is now accessible via cloud front Step 6: Configure your cloud front distribution to use your custom domain name Request an SSL certificate b) Add the alternate DINS to your Cloudfront. create a DNS record to route traffic from your alternate domain name to your cloud front distribution's Domain nam d) check unether IPV6 is enabled for your distribution and create another DNS record if needed Step 7. Access the S3 video through the Cloud front distribution with the custom domain name Select Distribution -> Find distribution by matching S3 origin name - copy the alternate domain name - past the domain name Open 83 -> find path to your savideo -> Return to the tab with domain add/203 video path> Access your video at https://cloudfront\_domain/ 93\_video\_path. steps: view data about requests received by your cloud Pront distribution (optional) Now, your video spreaming is live through

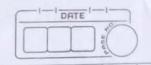


Q2 Discuss Brow and Hot Star case Studies using Aw Ans. The Brow Group wonose headquater is in Munich Germany, is a Grobal manufacturer of premium automobiles and motorcycles. . The company meeded to scare its data lake to Support the growing demands of internal and external stateholders. As data wasn't easily accepible ... The Brow Group's innovation was slowed down, by their own IT infrasmicture and the long lead fines required to support new initiative. The Brow reeded to develop a solution agile enough to both support the data needs of all the various internal buieness units and allow this company to move quickly to address the array of emerging use cases its coistomers demand. The BMW Group re-architected its on-premises data lake to the AWS Cloud, crooking a cloud Data HUB CCOH) that integrates anonymized data from vechile sensors and other sources using Aws sexuices like Amagon 83, Athena Kinests Data Firehose, and Alue, Browstreamlined data management and enabled scalable, agile operations for data engineers. The setup also allowed teams to maintain their own nevops processes, fastering innovation. A modern web portal was implemented to help users discover

and query misted datasets, facilitizing new



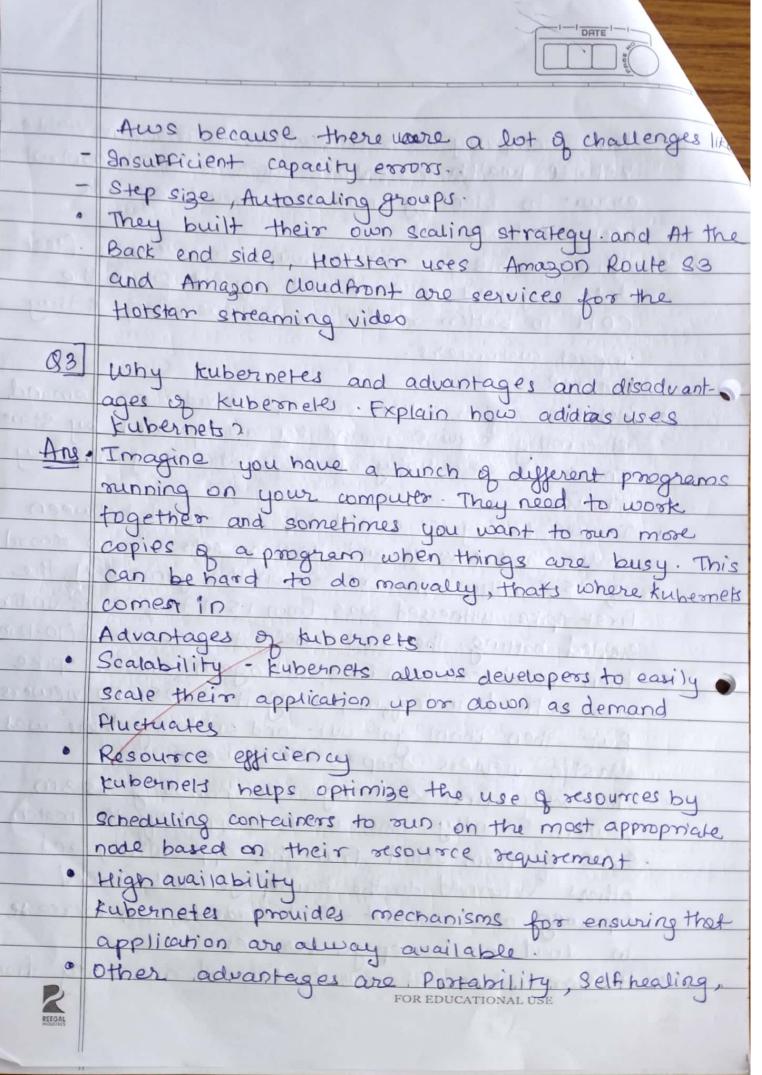
FOR EDUCATIONAL USE

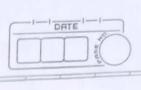


- · The company uses this data to monitor vecte vehicle health indicators such as check control error to identify potential issues accorde
- This enable the Brow Groups to leverage freet data ingested, collected and refined from the COH to better resolve jesues, even before they impact customers.

HOTSTAR

- Hotstar is an indian subscription video on-demand streaming service owned by and operated by star India, a subsidiary of the walt Disney Company
- In 2019, During Icc world cup Semi-final between India and New Zealand, Hotstan sets a new record of 25.3 million viewers. So, on the game day, the First spike witnessed was from 15M to 15m, as India Started batting. Then, in between it was usual (10-12m) then phoni came to bat, and again sudden spike was noticed in traffic taking it to 25-3m viewers. But then Dhoni got out, and suddenly there was drastic viewers drop to Limviewers.
  - . The very first challenge was handling 25.3 m viewers. Secondly, when users dropped of the match some of them exited from the app entirely and others returned to the homepage and started exploring other content. That leads to an increase in load on homepage services.
    - Hotstor does not use traditional autoscaling





service discovery and wand balacing, Extensi Disadvantages à kubernetes. kubernets can be complex to set up and manag Developers and operations teams need to learn how to use kubernels effectively Performance overhead kubernets introduces some overhead in terms of CPU and memory usage, which can impact application performance. Some other disadvantages are Security Dependency on external services, lack of Complexity of networking. Case Study : Adidas · Adidas is a globally renowned sportswear and athletic footwear company headquartered in In recent years, the adidas team was happy with the software choices from a technology perspective. But accessing all of the tools was a problem. for example, jost to get a developer in, you had to send a request, give the purpose, who's responsible, ainternal cost center and so on So the best case is you got your machine in half an hour and the coorst case in half week or sometimes even a week was a challeng faced by The adidas. They found the solution with containengation,

