using S3 Bucket Video streaming

a) Create an S3 bucket
   Sign in to aws and select create bucket, enter appropriate name and choose region and for Block public access for this bucket, keep default setting. Choose create Bucket.

b) upload a video to S3 bucket.
   To upload a file to the bucket open the created bucket and on tab Objects tab choose upload, then select files and folder and Add files. Select open and locate file then choose upload.

c) Create a cloudfront origin access identity
   To create a cloud Font OAI, sign in to the AWS Management console, under the security section, choose origin access. under the identities tab, choose create origin access identity. Choose create.

d) Create a cloudfront to serve and distribute the video in your S3 Bucket, you must create a cloudfront distribution.

e) Access the S3 video through the cloudfront distribution with the custom domain name. We can access this video through that custom URL created and SSL certificate for safety and security is also assigned.

Q.2] BMW and Hotstar on AWS services.

→ On 15 Nov, 2023 when India was playing again New zealand at world cup semifinal match in wankhede stadium in Mumbai more tha 5 crore people were watching the match on Hotstar apps on a global level. AWS serves as the primary hosting provider fo Disney. It relies on AWS as the backbon of their hosting, and it provide details about the infrastructure, including the us of AWS instance during high impact ever It offers a scalable and reliable cloud computing platform, and allow Disney to manage their infrastructure based on der

One of the best known names in the automotive industry, BMW Group has b providing premium driving experiences of millions of customers since 1916. Alw at the forefront of innovation, it has now developed a groundbreaking In-con cloud Assistance solution in collaboration with AWS. Part of the company's infra optimization programss the ICCA is empou BMW Group Devops with generative AI boost performance and efficiency. with access to large language models (LLM) an with data encrypted in transit and at rest BMW Group can securely deliver high-quality connected mobility solutions.

3] Kubernetes and how industries use it.

→ Kubernetes, commonly reffered to K8's, it is like a manager for your computer programs, Imagine you have a bunch of different programs running on your computer. They need to work together, and sometimes you want to run more copies of a program when things. get busy. This can be hard to do manually, like trying to juggle a lot of balls at once. Addidas is a globally renowned sportswear and athletic footwear company headquartered in Germany. Founded in 1949, it offers a wide range of sports-related products, collaborates with subsidiary brands like Rebok, focuses on innovation in athletic footwear technology, and maintair a strong global presence. Addidas is committed to sustanability and social responsibility.

  Addidas stated " we started from the developer point of view", and looked for ways to shorten the time it took to get a project up and running and into the addidas infrastructure, says senior Director of platform Engineering Fernando Cornago. They found the solution with continerization agile developement.

Q. 4] what are Nagios and use in E-services

→ Nagios are an open source. It system monitoring tool. It was designed to n on Linux and com monitor devices running Linux, windows and unix ose Nagios software runs periodic checks critical parameters of applications, network and server resources. Nagios can monitor memory use, disk use and microprocessor load, as well as the number of currently running processes.

Bitnetix with Nagios in an IT consulting organization which is inti networking, datacenter, monitoring au voice over IP, through their offerings they make small business look big. Their solution help you in managin customer relationships in a better way by increasing more enagement improving their satisfaction.