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- * Simple storage service show of wild make more
- 4 23 is a global service.
- 4 23 service is not restricted to any region.
- 4) 23 Bucket is a region specific.
- > SI is used for fixed objects. (files, images, video, documents). Fixed means, the moment we upload it to the S3 we can't ldit them. If we wan't to make any changes, we should download it and make changes.
- -> Sz bucket has a storage of upto 5TB.

The largest object that can be uploaded in a single PUT is 5GB.

-> Sz Bucket name should be unique globally,

In AWS we have 3 different Storages:

- 1) EBS (Elastic Block Storage).
- 2) S3 (Simple Storage Service)
- 3) EFS (Ebstic File Systems)
- * In EBS, we can connect multiple EBS to single 802. can't connect multiple EC2 to single EBS.
- X In S3, we can transfer data from multiple EC2 to Sz. from different 0 EFS can also be used across different EC2. in Same region.

cracke Bucket -> Name -> AWS region -> object ownership (ACLS disabled) ->

-> Block all public access -> Bucket versioning -> perfault encryption -> create (disable)

- 10 Access control list (ACL's) grants permissions at object or level. houses decirely to the poster and not solver as a series > Bucket policy applies only to buckets. inchet policy applies one to the standard. By default so storage class is standard. > when we upload any object, that will be moved to the Standard storage class. in council -s and changes. 6 \rightarrow we have different classes in S3.) standard IA These are called as lifecycle rules 2) S3 glader for 23 objects. Lucia e 2011/22 Deep archieve Glacier of In topic of price on our life 4) Standard Shots o 20 22 um 22000 of inv voiced bron as e 13 Sz Standard - High durability, low-latency, and used for Arequently accessed data. Sz standard-IA - lower cost than getandard but with retrieval fees; best for less trequently accessed data. >> 3 - one zone - At - cheaper than standard - 1A but stored in a single Az, making it less resilient. -3 3 >> Sz- Glacies Deep archive- cheapest storage for long-term
- detention, but setseival takes 12-48 hours. -3
- >> Sz- Glaciex Instant Retrieval Low cost, instant access be -3 archive data that is takely accessed.
- >5:- Glocler flexible Retrieval Lower cost than Instant Retrieval but re-trieval times targe from minutes to hours.

we can also use our sz bucket to host a website. Static websites can be hosted using s3. strucket policy office and to Luciens,

Amozon S3 -> Buckets -> Select the bucket -> permissions -> Stortic website hosting -> edit -> Enable -> content of the first of static website) -> index document (file name which was created) -> Gross document (file which las created). -> save changes.

Amazons -> Buckets -> select the Bucket -> oploant a objects -> upload -> Add files -> upload. 100 12 sol

1) Till now we are using the object URL to open the file.

we need bucket URL to access my SI as a static website.

Buckets -> select the bucket -> properties -> static website hosting -> URL

frequently accessed data.

provider that had brokening ment took second methodolog

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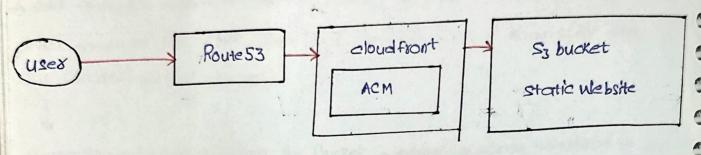
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what have gou stored in Sz during your project?

We have used S3 to store upc flow logs, images related to our application and to deploy one static website.



nevously.

- were just copying the bucket URL and booking it.
- -> cloudfront will help us to improve the performance and also reduce the latency.
- -> Routess is used to configure the Domain and servers.
- HAWS ACM (Amazon certificate Manager) is a service that helps you manage SSL/TSL certificates for securing network communications and websites.

SSL - secure socket byer

TSL - Transport Layer security.

- by with the help of ACM, i can purchase SSL certificate to my domain.
- HACM will add security to my URL with the help of SSL.
- 4) By adding SSL certificate to My URL, we can ensure that the data is encrypted:
- 4 SSL is used to establish an encrypted connection between a web server and a client. SSL ensures a secure data transmission.

-> No one can steal the data 19 SSL is configured. suo teust ton 11/cs 2002 bosupinos ton 21 122 tt < website. C'http https 13 Have always need to make sure that our application is sel configured. not secured > As it is hard to bemember each and every URL. we will be buying a domain. so, whenever we try to access that domain that will redirect the access to the URL attached to that domain automatically, .) R53 -> 53 is the post number for the DNS service. DNS -> Domain name system. of the liver time, when the uses takes to connect to as > Route 53 -> Begister domain -> Hosted zones -> execute Hosted zone -> >> Domain name >> public Hosted zone -> create Hosted zone अगार की की हार्थ में के कारण माना के स्थाप कि मान के स > It will execute four different records by NS (Name server). A Name server (NS) record is a type of DNS record that specifies which authoritative name servers are responsible for a domain. These name servers handle DNS queries and direct traffic to the correct locations. Titus alesante nipleo e incipadi el proprio e encipadi) - we have our domain in Gododdy & we are trying to host in the Route 53, so, we need to map them, with the help of Name servers. we need to configure the Name servers in Goddady domain name.

-> create S3 Bucket with Same Domain name!

restorance of websites and also it will secure our application.

L) Edge locations are used in abud front.

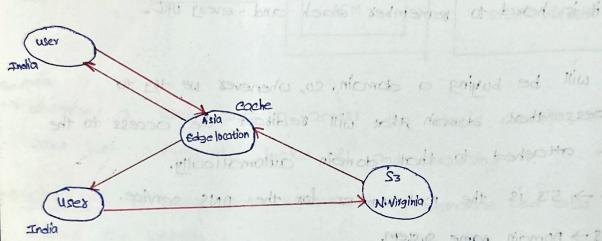
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No virginia, while responding back, Edge location will store some coache and respond back to the user.

If any other uses from India is trying for the same sequest, instead of connecting to the Sz in Nivirginia. If will connect to the cache location (Edge location). Then the Edge location will respond back to the user.

4 so, the time taken to travel the packets has been reduced.

4 so, the personance and speed of the website will be improved.

cloud Front -> Distributions -> execute distribution -> oxigin domain -> HTTP only >> viewer protocol policy (HTTP and HTTPs) -> price class (use Numerica, Asia, Middle foot

and Atrica) - create distribution.

copy the distribution pomain name (run in browser).