

Simple Storage Service.

Object storage.

Files from 0 to STB
Files reside in bucket.

<https://s3-us-west-1.amazonaws.com/mybucket/>
keyname

Virtual host

<https://mybucket.s3.us-east-1.amazonaws.com/>
keyname

- key
- value
- Version ID
- Metadata
- Sub resources

if you write new files you always see the new file.
If you cpolate or remove maybe you could see the old file

Eventual consistent
update files
Delete

Strong consistent
Read consistency

Read after write.

Encryption and access control list (files)
Bucket Policy.

Storage classes:

- S3 Standard 99.99 % availability, 11- 9 durability.
- S3 - IA 99. 9% Intelligent Tiering.
- S3 One AZ 99.5 %
- S3 Glacier 99.99%
- S3 Glacier Deep Archive
99.99%

Min Object Size

40KB ————— 128KB for
For Glacier Others except
and Glacier Deep Archive (S3, and S3-IT)

Deep Archive - can last up to 12 hours

Glacier: from minutes to hours with expedite

Glacier 90 days minimum

Glacier DA 180 days

S3 One AZ, S3 IT, S3 IA

30 day minimum

All have ≥ 3 AB, except
of course S3 - one AB IA

S3 Security

All private.

Can have access log.

Bucket without restriction, does not mean object can be accessed automatically. We need to update ACL

Cors : Cross Origin resources shared.

S3 It's mandatory for public website.

<http://myindex.s3-website-us-east-1.amazonaws.com>

one bucket: js

two bucket: html

three bucket: images



CORS POLICY Bucket with
no CORS

the desire
file!

```
[  
 {  
     "AllowedHeaders": [  
         "Authorization"  
     ],  
     "AllowedMethods": [  
         "GET"  
     ],  
     "AllowedOrigins": [  
         "*"  
     ],  
     "MaxAgeSeconds": 3000  
 }  
 ]
```

Allowed Origin : Should include origin who wan
to access file

{you are giving explicit
Permission}

Cloud Front: To serve files hosted on edge location.

Edge location: You can write S3 use Transfer Acceleration

Origin

Distribution Name given by CDN

Can be: web distribution
and

IOA, was used to ensure only access from CloudFront

Summary
OTO STB
In buckets

Read AFTER Write
(new files)
eventual consistent
6 storage classes
S3, S3 IA, S3 ONE ZONE,
S3 IT, S3 Reduce Redundancy
Storage
Glacier, Glacier Deep Archive

Key	Metadata
Value	Subresource
Version	<ul style="list-style-type: none"> ↳ Acceleration → CORS → Bucket Policies

Only
Files

Private by default

Encryption
Rest → 256
SSE-S3
SSE-KMS

Bucket Policy > Access Control list
Client Side
x-amz-server-side-encryption

Always use s3 website

<http://bucket7.s3-website-us-east-1.amazonaws.com>
<http://s3-us-east-1.amazonaws.com/bucket>

CloudFront

Location: when resides the cache

Origin : Where are the files

Distribution: Given by CDN

Add random prefix string

Add FAQ S3

IT IS

Información general	Características	Clases de almacenamiento	Precios	Seguridad	Recursos	Preguntas frecuentes
INTENIDO DE PÁGINA		S3 Estándar	S3 Capas Inteligentes*	S3 Estándar – Acceso poco frecuente	S3 Única zona – Acceso poco frecuente†	S3 Glacier Deep Archive
S3 Estándar	Diseñado para ofrecer durabilidad	99,999999999% (11 nueves)	99,999999999% (11 nueves)	99,999999999% (11 nueves)	99,999999999 % (11 nueves)	99,999999999 % (11 nueves)
S3 Capas inteligentes	Diseñado para ofrecer disponibilidad	99,99%	99,9 %	99,9 %	99,5 %	99,99 %
S3 Estándar – Acceso poco frecuente	SLA de disponibilidad	99,9%	99%	99%	99%	99,9 %
S3 Única zona – Acceso poco frecuente	Zonas de disponibilidad	≥3	≥3	≥3	1	≥3
S3 Glacier						
S3 Glacier Deep Archive				128 KB	128 KB	40 KB

S3 Outposts

Gráfico de rendimiento

Cargo mínimo de capacidad por objeto	N/D	N/D	120 días				
Cargo mínimo por duración de almacenamiento	N/D	30 días	30 días	30 días	90 días	180 días	
Tarifa de recuperación	N/D	N/D	por GB recuperado	por GB recuperado	por GB recuperado	por GB recuperado	
Latencia de primer byte	milisegundos	milisegundos	milisegundos	milisegundos	milisegundos	milisegundos	
Tipo de almacenamiento	Objeto	Objeto	Objeto	Objeto	Objeto	Objeto	Objeto
Transiciones del ciclo de vida	Sí	Sí	Sí	Sí	Sí	Sí	Sí

En la actualidad de AWS, los datos almacenados

