

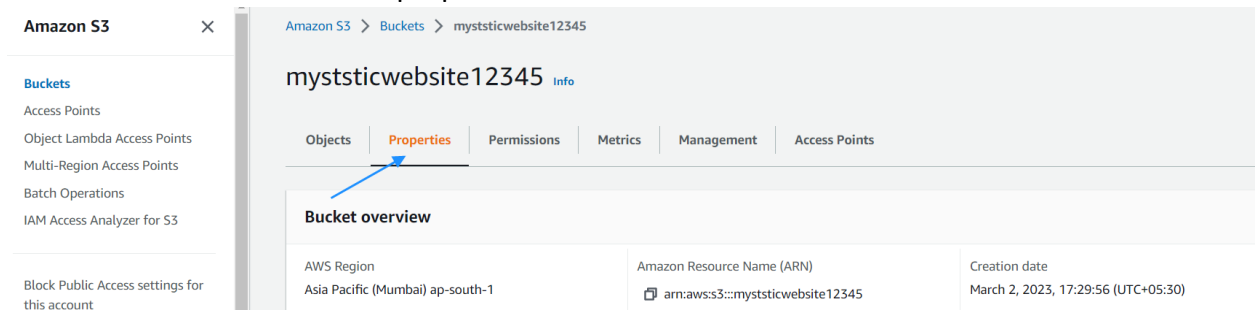
Static website hosting using S3 service

➤ What is S3 ?

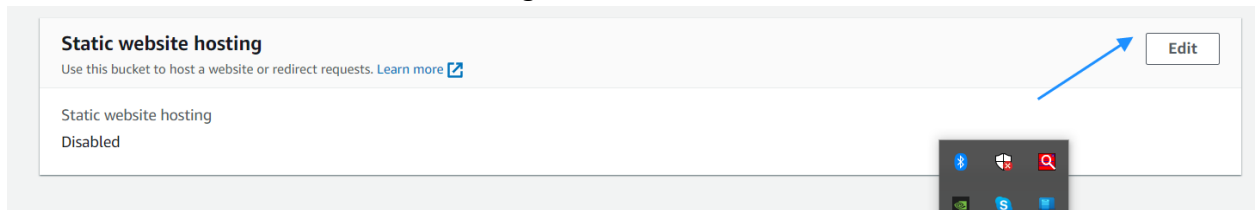
→ Amazon S3 is a storage service that stores data as object in bucket S3 is a global service

Steps:-

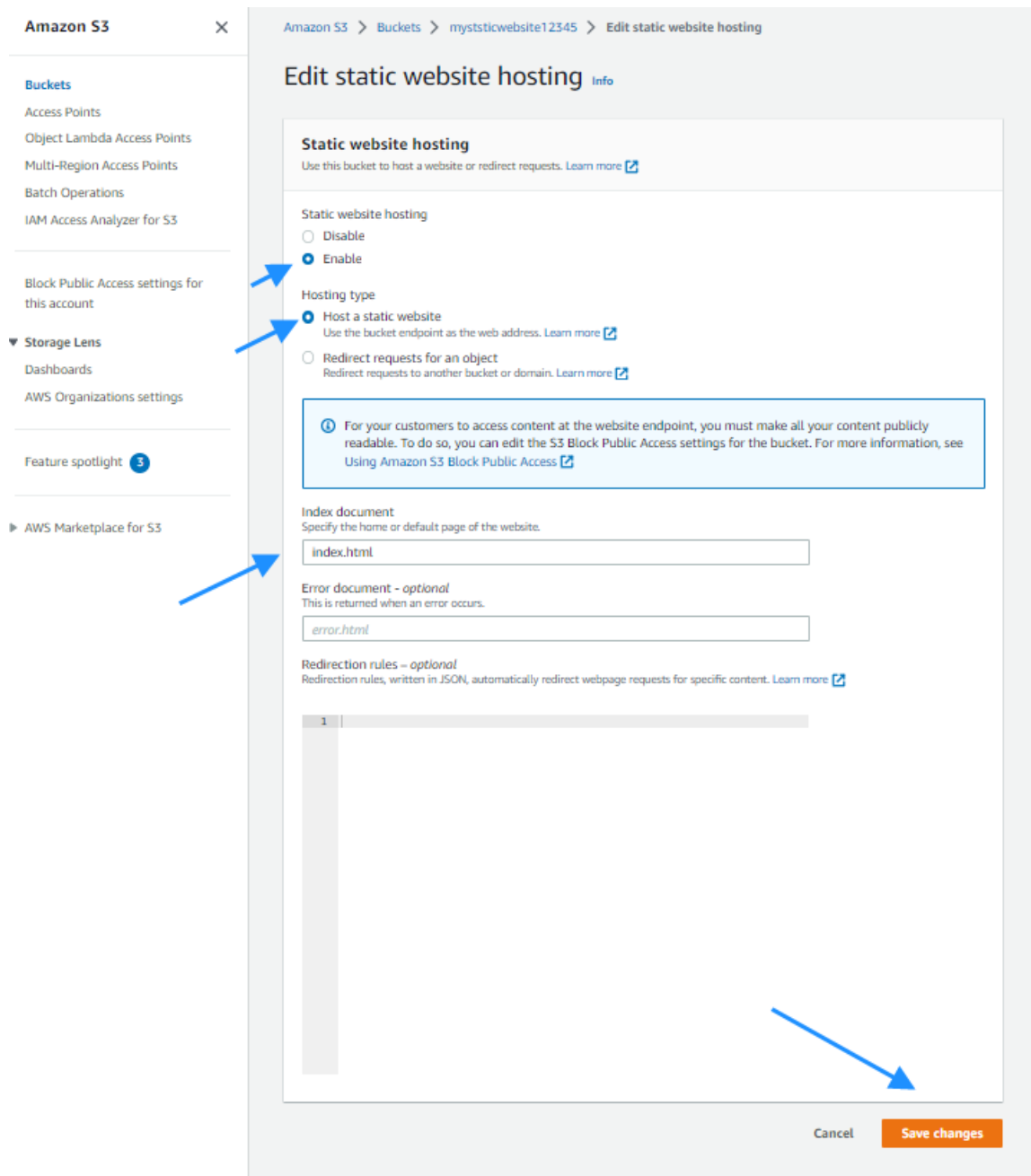
- 1) Create one bucket in S3 service
- 2) Go inside that bucket click on properties



- 3) Scroll down and in static website hosting click on edit.



- 4) Now click on enable in static website hosting
- 5) Check radio button of hosting type (Host a Static Website)
- 6) Give index.html name to index document
- 7) And click on save changes



- 8) Now upload our code files in s3 bucket. I have downloaded css template and extract it in file manager and uploaded all content in s3 bucket
- 9) Now go inside bucket
- 10) Click on permissions
- 11) Now click on edit in block public access
- 12) Disable the checkbox of block all public access and save changes
- 13) Now write confirm and click on confirm

Amazon S3 > Buckets > myststicwebsite12345

myststicwebsite12345 [Info](#)

Objects | Properties | **Permissions** | Metrics | Management | Access Points

Permissions overview

Access
Bucket and objects not public

Block public access (bucket settings)

Public access is granted to buckets and objects through access control lists (ACLs), bucket policies, access point policies, or all. In order to ensure that public access to all your S3 buckets and objects is blocked, turn on Block all public access. These settings apply only to this bucket and its access points. AWS recommends that you turn on Block all public access, but before applying any of these settings, ensure that your applications will work correctly with require some level of public access to your buckets or objects within, you can customize the individual settings below to suit your specific storage use cases. [Learn more](#)

[Edit](#)

Block *all* public access
☒ On

14) Now uncheck the box of block all public access and save changes

Amazon S3 > Buckets > myststicwebsite12345 > Edit Block public access (bucket settings)

Edit Block public access (bucket settings) [Info](#)

Block public access (bucket settings)

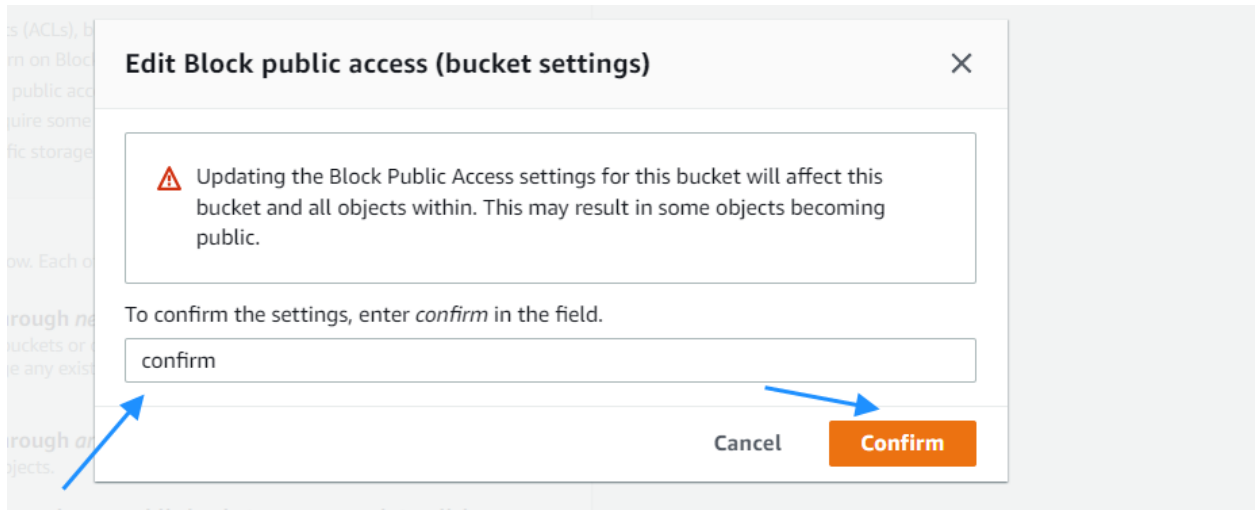
Public access is granted to buckets and objects through access control lists (ACLs), bucket policies, access point policies, or all. In order to ensure that public access to all your S3 buckets and objects is blocked, turn on Block all public access. These settings apply only to this bucket and its access points. AWS recommends that you turn on Block all public access, but before applying any of these settings, ensure that your applications will work correctly without public access. If you require some level of public access to your buckets or objects within, you can customize the individual settings below to suit your specific storage use cases. [Learn more](#)

☐ **Block *all* public access**
Turning this setting on is the same as turning on all four settings below. Each of the following settings are independent of one another.

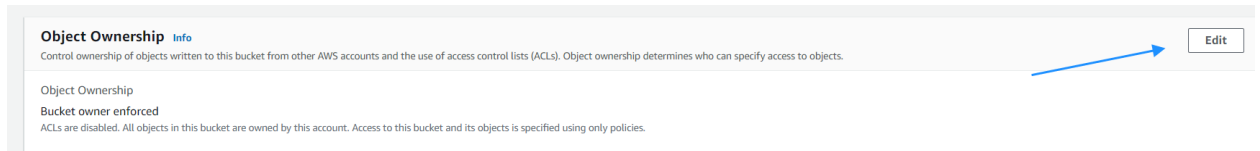
- ☐ **Block public access to buckets and objects granted through *new* access control lists (ACLs)**
S3 will block public access permissions applied to newly added buckets or objects, and prevent the creation of new public access ACLs for existing buckets and objects. This setting doesn't change any existing permissions that allow public access to S3 resources using ACLs.
- ☐ **Block public access to buckets and objects granted through *any* access control lists (ACLs)**
S3 will ignore all ACLs that grant public access to buckets and objects.
- ☐ **Block public access to buckets and objects granted through *new* public bucket or access point policies**
S3 will block new bucket and access point policies that grant public access to buckets and objects. This setting doesn't change any existing policies that allow public access to S3 resources.
- ☐ **Block public and cross-account access to buckets and objects through *any* public bucket or access point policies**
S3 will ignore public and cross-account access for buckets or access points with policies that grant public access to buckets and objects.

[Cancel](#) [Save changes](#)

15) Write confirm and click on confirm.



16) Now go to permissions scroll down upto object ownership click on edit



17) Select ALC enable

18) Check the box of I acknowledge that ACLs will be restored.


19) Now select **bucket owner preferred** and save changes.

Edit Object Ownership Info

Object Ownership
Control ownership of objects written to this bucket from other AWS accounts and the use of access control lists (ACLs). Object ownership determines who can specify access to objects.

☐ **ACLs disabled (recommended)**
All objects in this bucket are owned by this account. Access to this bucket and its objects is specified using only policies.

☒ **ACLs enabled**
Objects in this bucket can be owned by other AWS accounts. Access to this bucket and its objects can be specified using ACLs.


 **Enabling ACLs turns off the bucket owner enforced setting for Object Ownership**
Once the bucket owner enforced setting is turned off, access control lists (ACLs) and their associated permissions are restored. Access to objects that you do not own will be based on ACLs and not the bucket policy.

☒ I acknowledge that ACLs will be restored.

Object Ownership

☒ **Bucket owner preferred**
If new objects written to this bucket specify the bucket-owner-full-control canned ACL, they are owned by the bucket owner. Otherwise, they are owned by the object writer.


☐ **Object writer**
The object writer remains the object owner.





 If you want to enforce object ownership for new objects only, your bucket policy must specify that the bucket-owner-full-control canned ACL is required for object uploads. [Learn more](#)

Cancel Save changes

20) Now again go to permissions scroll down upto **Access control list** click on edit

Access control list (ACL) Grant basic read/write permissions to other AWS accounts. [Learn more](#) Edit

 **The console displays combined access grants for duplicate grantees**
To see the full list of ACLs, use the Amazon S3 REST API, AWS CLI, or AWS SDKs.

Grantee	Objects	Bucket ACL
Bucket owner (your AWS account) Canonical ID:  9c5bc79802f7a76d76fad9294f00c58fb5a42bcc97a722dec6bd2227a769a976	List, Write	Read, Write
Everyone (public access) Group:  http://acs.amazonaws.com/groups/global/AllUsers	-	-
Authenticated users group (anyone with an AWS account) Group:  http://acs.amazonaws.com/groups/global/AuthenticatedUsers	-	-
S3 log delivery group Group:  http://acs.amazonaws.com/groups/s3/LogDelivery	-	-

21) Check list and read boxes of everyone

22) Check the box of I understand the effects of these changes on my objects and buckets.

23) Click on save changes.

Amazon S3 > Buckets > myststicwebsite12345 > Edit access control list (ACL)

Edit access control list (ACL) [Info](#)

Access control list (ACL)

Grant basic read/write permissions to other AWS accounts. [Learn more](#)

Grantee	Objects	Bucket ACL
Bucket owner (your AWS account) Canonical ID: 9ccbc79802f7a76d76fad9294f00c58fb5a42bcc97a722dec6bd2227a769a976	<input checked="" type="checkbox"/> List <input checked="" type="checkbox"/> Write	<input checked="" type="checkbox"/> Read <input checked="" type="checkbox"/> Write
Everyone (public access) Group: http://acs.amazonaws.com/groups/global/AllUsers	<input checked="" type="checkbox"/> List <input type="checkbox"/> Write	<input checked="" type="checkbox"/> Read <input type="checkbox"/> Write
Authenticated users group (anyone with an AWS account) Group: http://acs.amazonaws.com/groups/global/AuthenticatedUsers	<input type="checkbox"/> List <input type="checkbox"/> Write	<input type="checkbox"/> Read <input type="checkbox"/> Write
S3 log delivery group Group: http://acs.amazonaws.com/groups/s3/LogDelivery	<input type="checkbox"/> List <input type="checkbox"/> Write	<input type="checkbox"/> Read <input type="checkbox"/> Write

When you grant access to the Everyone or Authenticated users group grantees, anyone in the world can access the objects in this bucket.
[Learn more](#)
☒ I understand the effects of these changes on my objects and buckets.

Access for other AWS accounts

No other AWS accounts associated with the resource.

[Add grantee](#)

Cancel [Save changes](#)

24) Now go inside bucket → select all objects → go to actions → make public using ACL

Objects (18)

Objects are the fundamental entities stored in Amazon S3. You can use [Amazon S3 inventory](#) to get a list of all objects in your bucket. For others to access your objects, you'll need to explicitly grant them permissions. [Learn more](#)

Find objects by prefix

<input checked="" type="checkbox"/>	Name	Type	Last modified	Size	Storage class
<input checked="" type="checkbox"/>	about.html	html	March 2, 2023, 17:42:37 (UTC+05:30)	22.3 KB	Standard
<input checked="" type="checkbox"/>	blog.html	html	March 2, 2023, 17:42:38 (UTC+05:30)	37.5 KB	Standard
<input checked="" type="checkbox"/>	contact.html	html	March 2, 2023, 17:42:27 (UTC+05:30)	19.8 KB	Standard
<input checked="" type="checkbox"/>	css/	Folder	-	-	-
<input checked="" type="checkbox"/>	detail.html	html	March 2, 2023, 17:42:28 (UTC+05:30)	29.7 KB	Standard
<input checked="" type="checkbox"/>	feature.html	html	March 2, 2023, 17:42:29 (UTC+05:30)	18.6 KB	Standard
<input checked="" type="checkbox"/>	img/	Folder	-	-	-
<input checked="" type="checkbox"/>	index.html	html	March 2, 2023, 17:42:30 (UTC+05:30)	51.8 KB	Standard
<input checked="" type="checkbox"/>	js/	Folder	-	-	-
<input checked="" type="checkbox"/>	lib/	Folder	-	-	-
<input checked="" type="checkbox"/>	LICENSE.txt	txt	March 2, 2023, 17:42:31 (UTC+05:30)	1.4 KB	Standard
<input checked="" type="checkbox"/>	price.html	html	March 2, 2023, 17:42:32 (UTC+05:30)	24.4 KB	Standard
<input checked="" type="checkbox"/>	quote.html	html	March 2, 2023, 17:42:32 (UTC+05:30)	19.1 KB	Standard
<input checked="" type="checkbox"/>	README.txt	txt	March 2, 2023, 17:42:33 (UTC+05:30)	538.0 B	Standard
<input checked="" type="checkbox"/>	service.html	html	March 2, 2023, 17:42:33 (UTC+05:30)	23.8 KB	Standard
<input checked="" type="checkbox"/>	startup-website-template.jpg	jpg	March 2, 2023, 17:42:35 (UTC+05:30)	87.5 KB	Standard
<input checked="" type="checkbox"/>	team.html	html	March 2, 2023, 17:42:35 (UTC+05:30)	19.7 KB	Standard
<input checked="" type="checkbox"/>	testimonial.html	html	March 2, 2023, 17:42:36 (UTC+05:30)	18.8 KB	Standard

Actions menu:

- Download as
- Share with a presigned URL
- Calculate total size
- Copy
- Move
- Initiate restore
- Query with S3 Select
- Edit actions
 - Rename object
 - Edit storage class
 - Edit server-side encryption
 - Edit metadata
 - Edit tags
 - Make public using ACL

25) Now click on make public

Specified objects

Find objects by name

Name	Type	Last modified	Size
about.html	html	March 2, 2023, 17:42:37 (UTC+05:30)	22.3 KB
blog.html	html	March 2, 2023, 17:42:38 (UTC+05:30)	37.5 KB
contact.html	html	March 2, 2023, 17:42:27 (UTC+05:30)	19.8 KB
css/	Folder	-	-
detail.html	html	March 2, 2023, 17:42:28 (UTC+05:30)	29.7 KB
feature.html	html	March 2, 2023, 17:42:29 (UTC+05:30)	18.6 KB
img/	Folder	-	-
index.html	html	March 2, 2023, 17:42:30 (UTC+05:30)	51.8 KB
js/	Folder	-	-
lib/	Folder	-	-
LICENSE.txt	txt	March 2, 2023, 17:42:31 (UTC+05:30)	1.4 KB
price.html	html	March 2, 2023, 17:42:32 (UTC+05:30)	24.4 KB
quote.html	html	March 2, 2023, 17:42:32 (UTC+05:30)	19.1 KB
README.txt	txt	March 2, 2023, 17:42:33 (UTC+05:30)	538.0 B
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testimonial.html	html	March 2, 2023, 17:42:36 (UTC+05:30)	18.8 KB

26) Now go inside bucket → select properties → scroll down upto static website hosting → copy url.

Static website hosting
Use this bucket to host a website or redirect requests. [Learn more](#)

Static website hosting
Enabled

Hosting type
Bucket hosting

Bucket website endpoint
When you configure your bucket as a static website, the website is available at the AWS Region-specific website endpoint of the bucket. [Learn more](#)

<http://myststicwebsite12345.s3-website.ap-south-1.amazonaws.com>

27) Paste url in new tab

28) Now our static website has been started.....

29) Access my website using <http://myststicwebsite12345.s3-website.ap-south-1.amazonaws.com> this link

