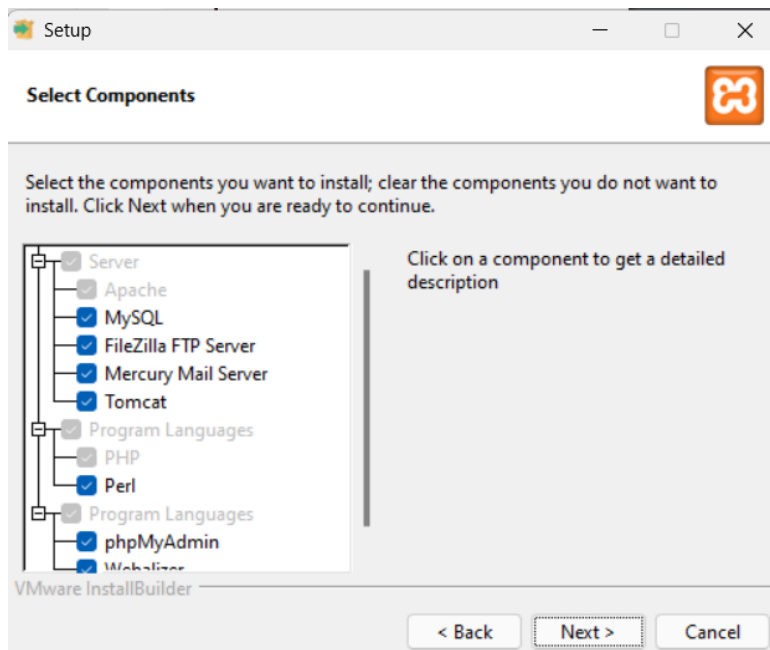
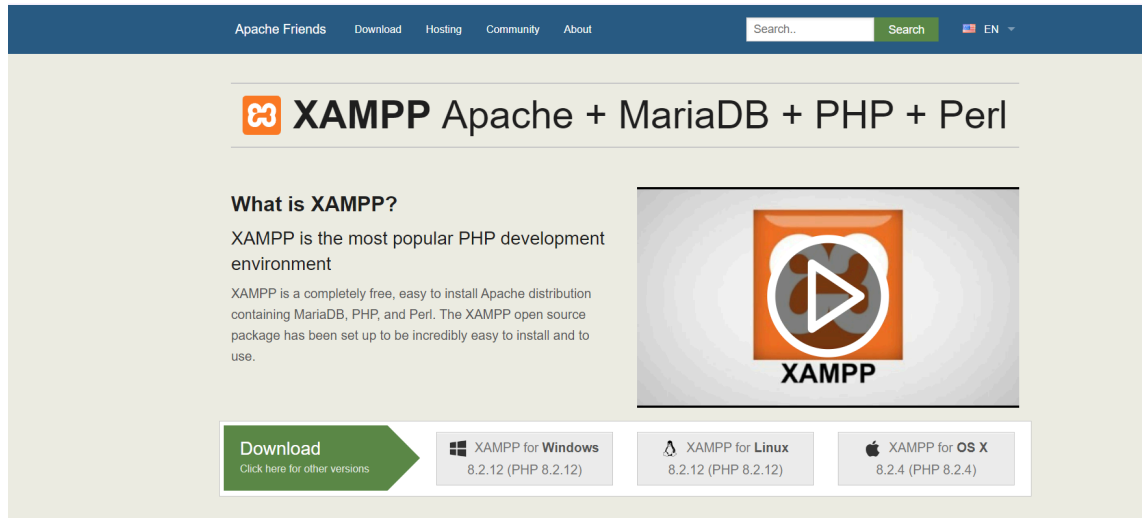
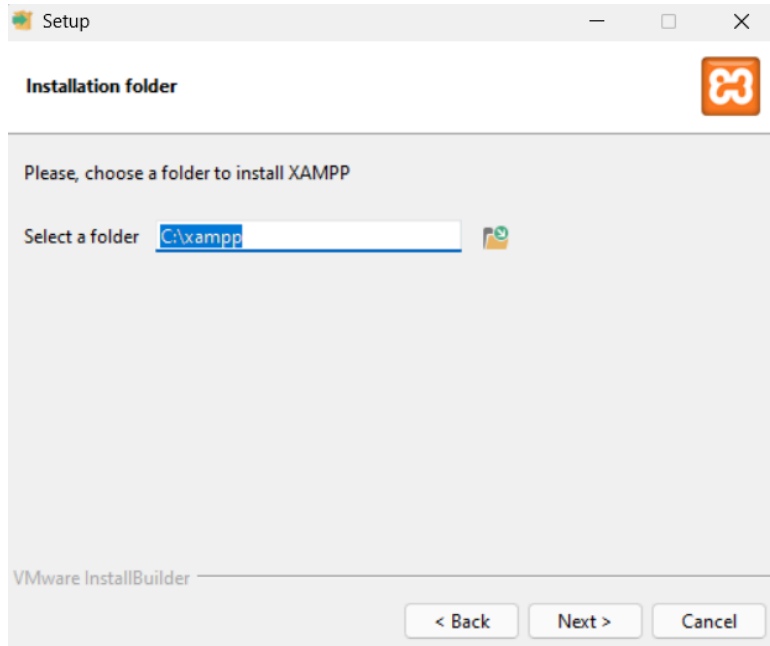


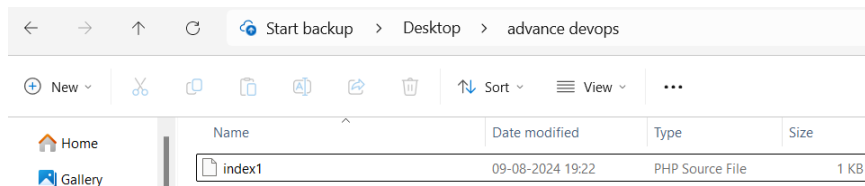
## Static Hosting on Local Server (Xampp)

Install Xampp from <https://www.apachefriends.org/> and follow the default steps for installing xampp

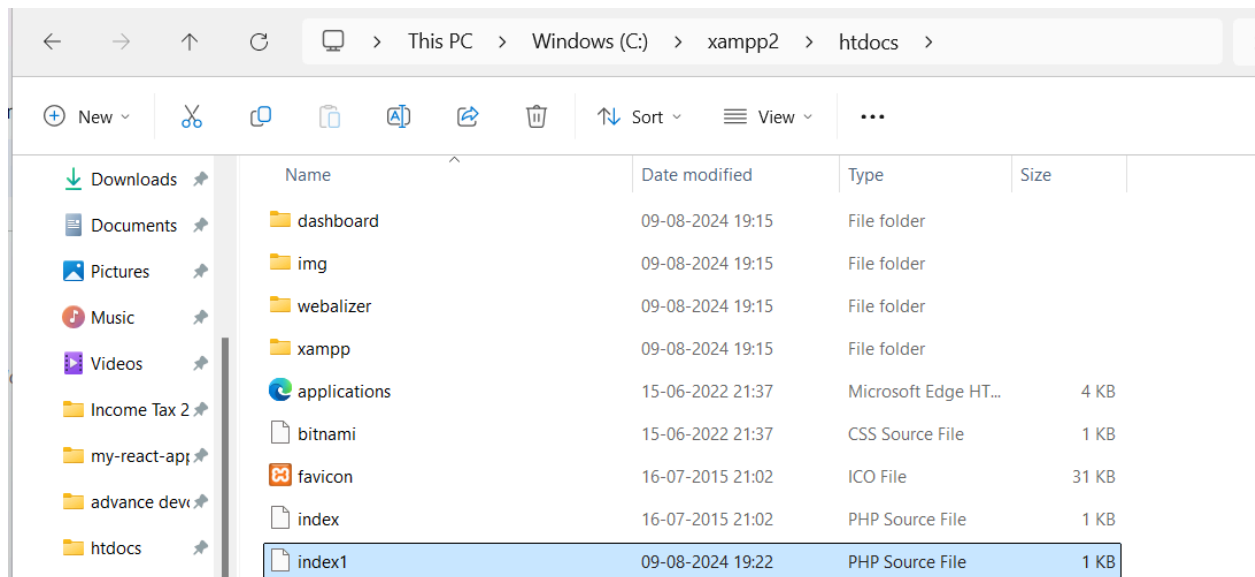




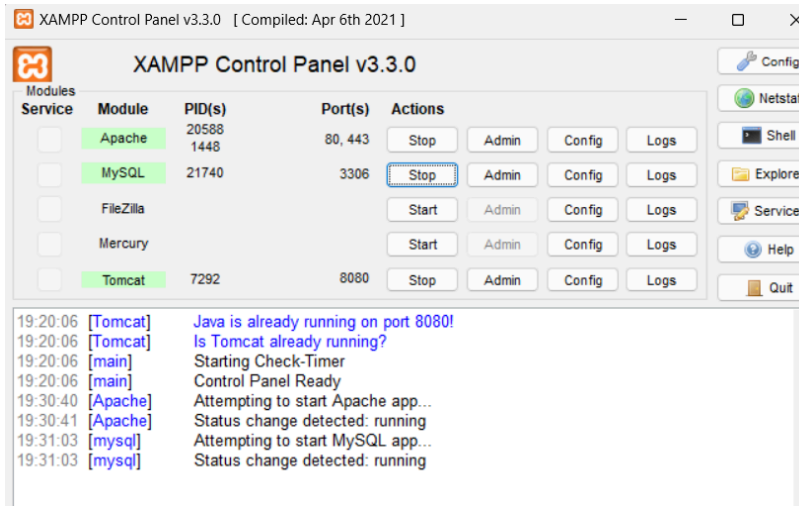
Setup a file that is to be hosted on the server. Make sure the file has extension .php



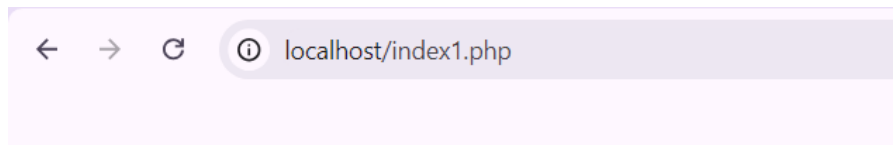
Go to the directory where XAMPP was installed. Go to htdocs folder. Place your folder in this directory.



Open XAMPP Control Panel, start the Apache service (Required) and mySQL service (if needed)



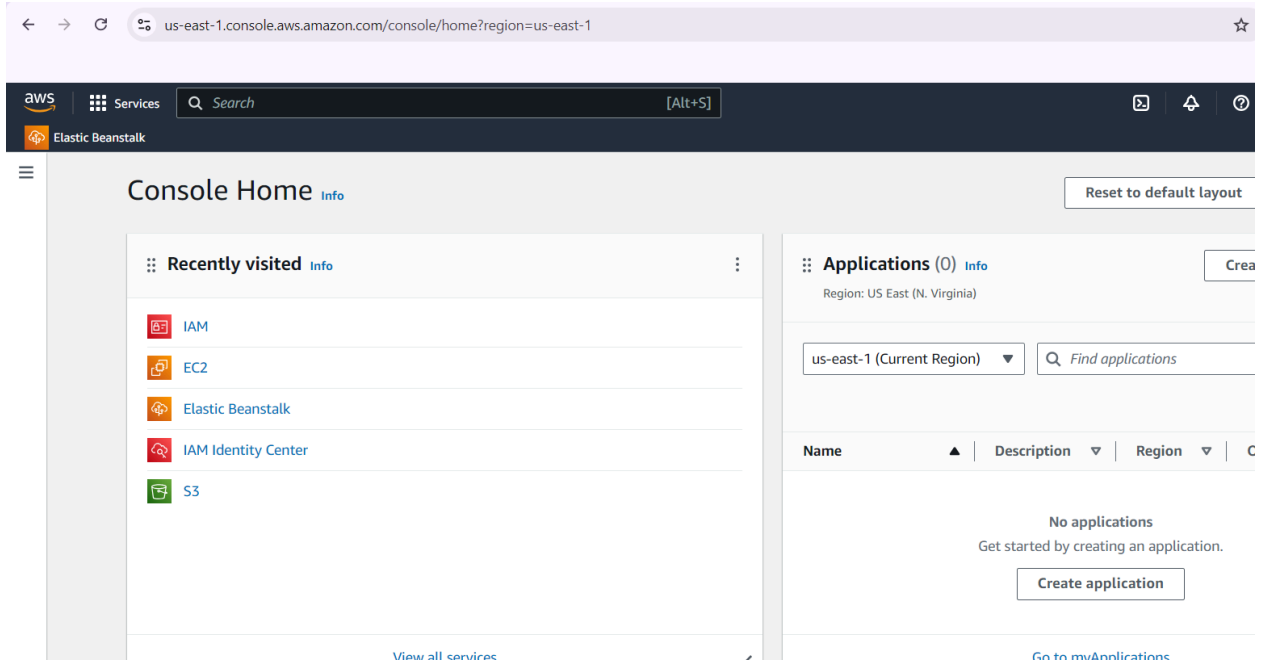
Open your web browser. Type localhost/YOUR\_FILENAME.php. This will open your website on your browser.



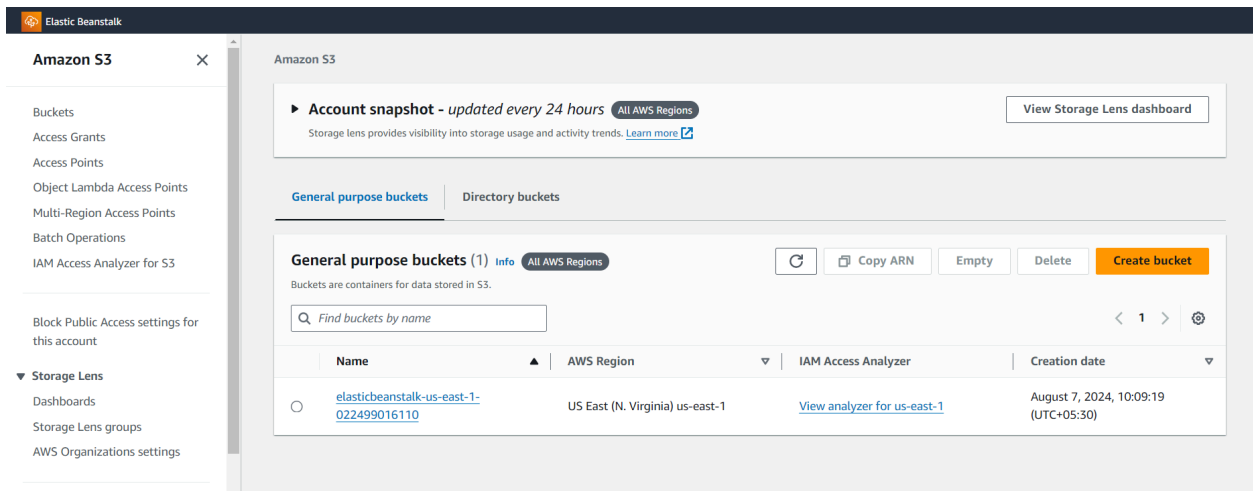
Hello World! This website was created by Shiven Bansal

## Hosting a static website on amazon s3

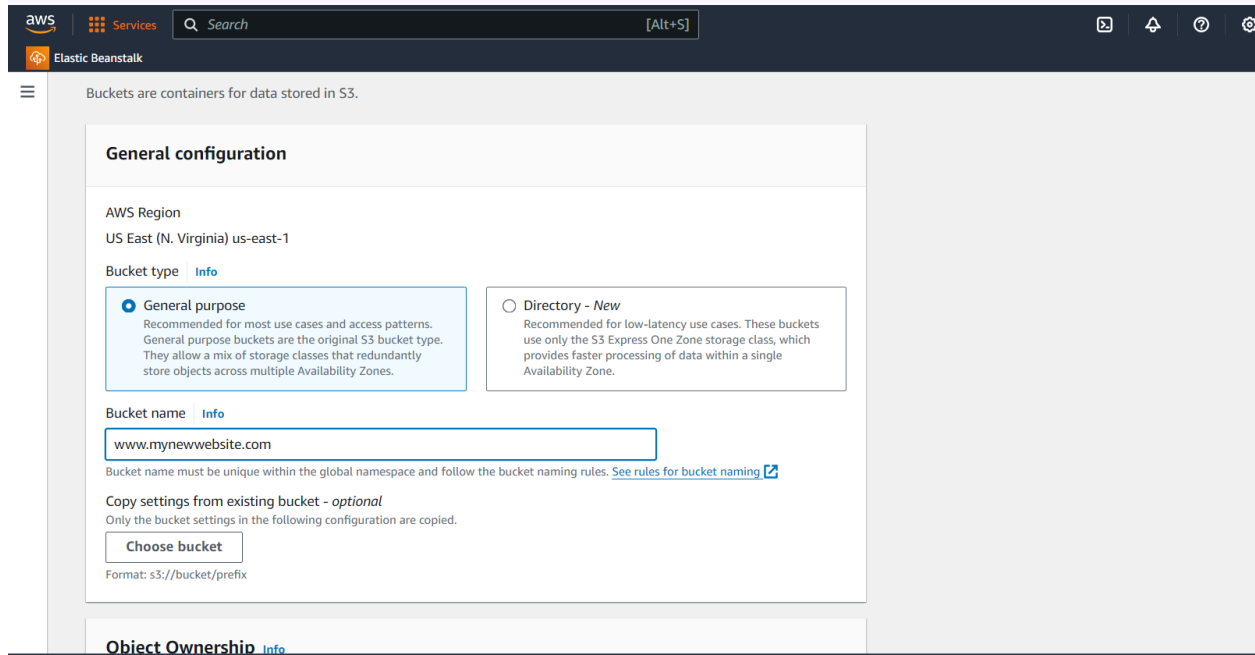
Go to console.aws.amazon.com and click on S3



Click on Create Bucket



Write the bucket name for your website and click create bucket



The screenshot shows the 'Create bucket' configuration page in the AWS Management Console. The page is titled 'Buckets are containers for data stored in S3.' and has a 'General configuration' section. The 'AWS Region' is set to 'US East (N. Virginia) us-east-1'. The 'Bucket type' is set to 'General purpose' (selected with a radio button). The 'Bucket name' is 'www.mynewwebsite.com'. Below the bucket name, there is a note: 'Bucket name must be unique within the global namespace and follow the bucket naming rules. See rules for bucket naming'. There is a 'Copy settings from existing bucket - optional' section with a 'Choose bucket' button. The format 's3://bucket/prefix' is shown. At the bottom, there is an 'Object Ownership' section.

Buckets are containers for data stored in S3.

### General configuration

AWS Region  
US East (N. Virginia) us-east-1

Bucket type [Info](#)

☒ **General purpose**  
Recommended for most use cases and access patterns. General purpose buckets are the original S3 bucket type. They allow a mix of storage classes that redundantly store objects across multiple Availability Zones.

☐ **Directory - New**  
Recommended for low-latency use cases. These buckets use only the S3 Express One Zone storage class, which provides faster processing of data within a single Availability Zone.

Bucket name [Info](#)

Bucket name must be unique within the global namespace and follow the bucket naming rules. [See rules for bucket naming](#)

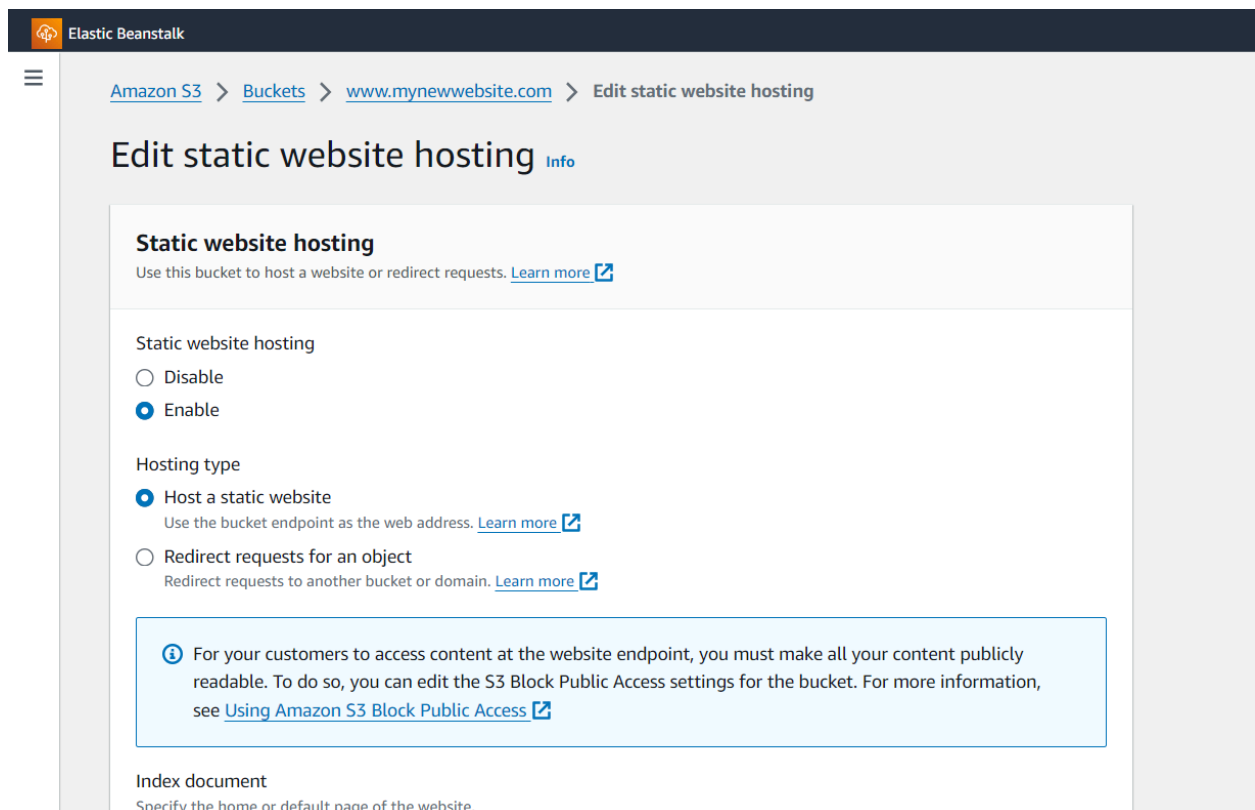
Copy settings from existing bucket - *optional*  
Only the bucket settings in the following configuration are copied.

[Choose bucket](#)

Format: s3://bucket/prefix

Object Ownership [Info](#)

Enable static website hosting after creating the bucket and fill in the details as follows. Then click on Save changes



The screenshot shows the 'Edit static website hosting' configuration page in the AWS Management Console. The page is titled 'Edit static website hosting' and has a 'Static website hosting' section. The 'Static website hosting' is set to 'Enable' (selected with a radio button). The 'Hosting type' is set to 'Host a static website' (selected with a radio button). Below the hosting type, there is a note: 'Use the bucket endpoint as the web address. Learn more'. There is a 'Redirect requests for an object' section with a 'Learn more' link. At the bottom, there is an 'Index document' section.

[Amazon S3](#) > [Buckets](#) > [www.mynewwebsite.com](#) > Edit static website hosting

## Edit static website hosting [Info](#)

### Static website hosting

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

Static website hosting

☐ Disable

☒ **Enable**

Hosting type

☒ **Host a static website**  
Use the bucket endpoint as the web address. [Learn more](#)

☐ Redirect requests for an object  
Redirect requests to another bucket or domain. [Learn more](#)

**For your customers to access content at the website endpoint, you must make all your content publicly readable. To do so, you can edit the S3 Block Public Access settings for the bucket. For more information, see [Using Amazon S3 Block Public Access](#)**

Index document  
Specify the home or default page of the website.

## Hosting type

☒ Host a static website

Use the bucket endpoint as the web address. [Learn more](#)

☐ Redirect requests for an object

Redirect requests to another bucket or domain. [Learn more](#)

For your customers to access content at the website endpoint, you must make all your content publicly readable. To do so, you can edit the S3 Block Public Access settings for the bucket. For more information, see [Using Amazon S3 Block Public Access](#)

## Index document

Specify the home or default page of the website.

## Error document - optional

This is returned when an error occurs.

## Redirection rules – optional

Redirection rules, written in JSON, automatically redirect webpage requests for specific content. [Learn more](#)

Now you can access your website from the endpoint

<http://www.mynewwebsite.com.s3-website-us-east-1.amazonaws.com>. Now go to the bucket and click on upload files to upload your files in your website.

[Amazon S3](#) > [Buckets](#) > [www.mynewwebsite.com](#) > Upload

## Upload [Info](#)

Add the files and folders you want to upload to S3. To upload a file larger than 160GB, use the AWS CLI, AWS SDK or Amazon S3 REST API. [Learn more](#)

Drag and drop files and folders you want to upload here, or choose **Add files** or **Add folder**.

**Files and folders** (1 Total, 292.0 B) Remove Add files Add folder

All files and folders in this table will be uploaded.

< 1 >

<input checked="" type="checkbox"/>	Name	Folder	Type
<input checked="" type="checkbox"/>	index.html	-	text/html

[Destination](#) [Info](#)

By clicking on the url the website gives 403 forbidden error because contents of the bucket are not available for the public users.

## 403 Forbidden

- Code: AccessDenied
- Message: Access Denied
- RequestId: Q3K0QMPPMMBQ8TCR
- HostId: 2GN7HpN25IH4RV1BD7b1+l8CCLIxbi7fU046fJj/GwR/dbv1BPlHEeAftyqGhVGVVLGH6GrIxaU=


### An Error Occurred While Attempting to Retrieve a Custom Error Document

- Code: AccessDenied
- Message: Access Denied

To change this, go to Permissions tab, go to Block public access and click on edit . Uncheck the block all public access checkbox and click save.

## 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.

Update your bucket policy as follows and click save changes

## Bucket policy

The bucket policy, written in JSON, provides access to the objects stored in the bucket. Bucket policies don't apply to objects owned by other


Bucket ARN

 arn:aws:s3:::www.mynewwebsite.com

## Policy

```
1 {  
2   "Version": "2012-10-17",  
3   "Statement": [  
4     {  
5       "Sid": "PublicReadGetObject",  
6       "Effect": "Allow",  
7       "Principal": {  
8         "AWS": "*"  
9       },  
10      "Action": "s3:GetObject",  
11      "Resource": "arn:aws:s3:::www.mynewwebsite.com/*"  
12    }  
13  ]  
14 }  
15
```

Now after reloading your website, you will be able to see it.

← → ↻  Not secure mynewwebsite.com.s3-website-us-east-1.amazonaws.com

# Hello World!

This website was created by Shiven Bansal