

## Exp 1a : Static Hosting

### a) Hosting of a PHP file on Local virtual machine using Xampp

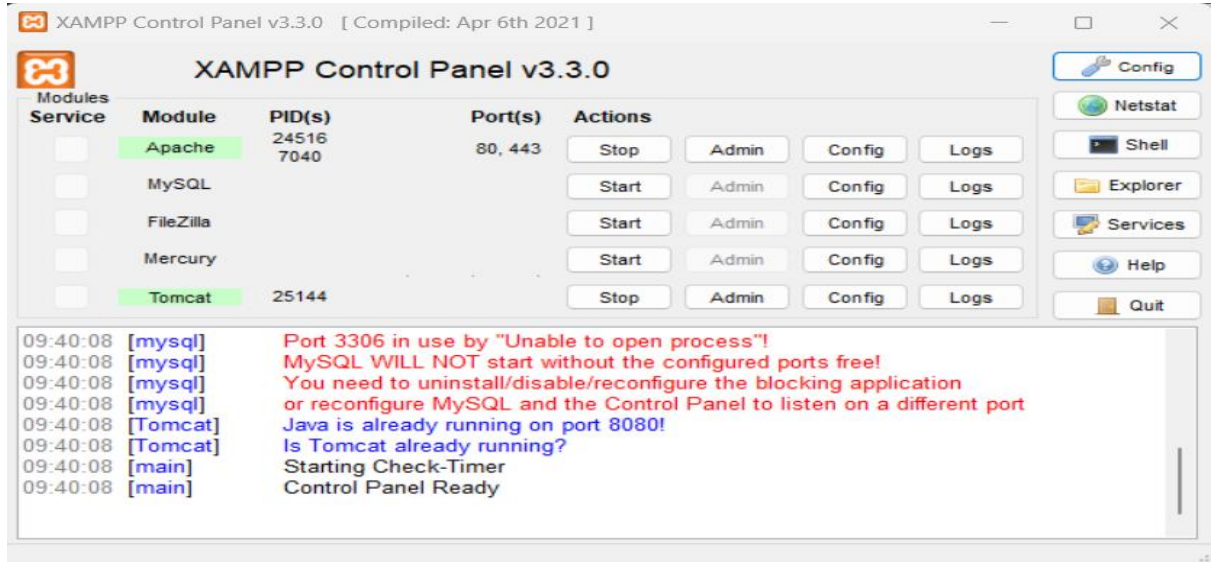
1. Create a .php file in some local repository



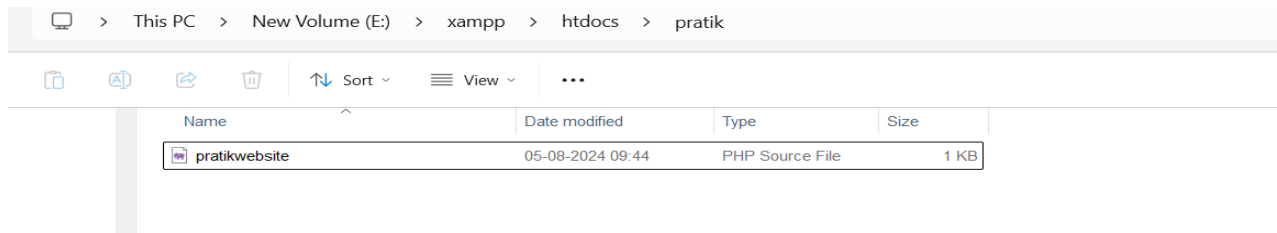
2. Make changes in that .php file as per your desire and save it

```
pratikwebsite.php U X
C: > Users > 91799 > Desktop > pratikwebsite.php
1  <?php
2  echo "<h1> hii i am pratik </h1>";
3  ?>
4  |
```

3. Make sure you have installed Xampp on your local machine. After the installation, start Xampp control panel and start modules named Apache and MySql



4. Ensure that you relocate your .php file in the htdocs folder inside the Xampp folder



5. Access the contents of the php file by typing localhost/your\_file.php on your browser. We have successfully hosted our php file on our local machine using Xampp.



**hii i am pratik**

Name: Pratik Patil

Div: D15C

Roll No:40

**b) Static hosting using AWS S3 bucket**

1. Navigate to S3 inside services and create a bucket inside S3. Select the additional settings related to the bucket.

## Create bucket Info

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

pratikBucket

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

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.

Object Ownership  
Bucket owner enforced

### Block Public Access settings for this bucket

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 this bucket and its 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 this bucket 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.

2. Our bucket was successfully created. Now, we would want to add/upload our local files onto our bucket

✔ **Successfully created bucket "pratikbucketpatil"**

To upload files and folders, or to configure additional bucket settings, choose **View details**.

View details

General purpose buckets

Directory buckets

General purpose buckets (2) Info

All AWS Regions

↻

📄 Copy ARN

Empty

Delete

Create bucket

Buckets are containers for data stored in S3.

🔍 Find buckets by name

< 1 >

⚙️

	Name ▲	AWS Region ▼	IAM Access Analyzer	Creation date ▼
<input type="radio"/>	<a href="#">aws-bucket-website-easy</a>	US East (N. Virginia) us-east-1	<a href="#">View analyzer for us-east-1</a>	August 5, 2024, 13:03:19 (UTC+05:30)
<input type="radio"/>	<a href="#">pratikbucketpatil</a>	US East (N. Virginia) us-east-1	<a href="#">View analyzer for us-east-1</a>	August 11, 2024, 21:00:32 (UTC+05:30)

< Objects Properties Permissions Metrics Management >

Objects (0) Info

↻

📄 Copy S3 URI

📄 Copy URL

📄 Download

Open 🗨

Delete

Actions ▼

Create folder

📄 Upload

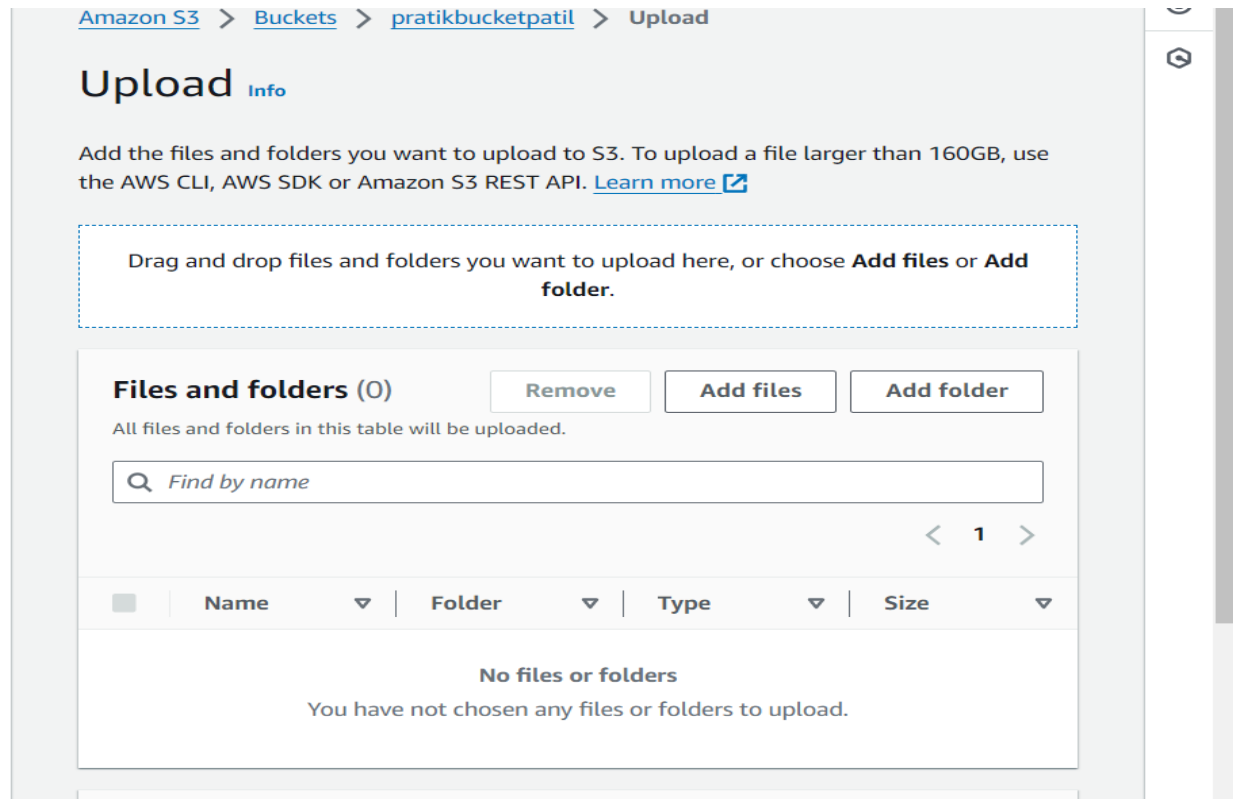
Objects are the fundamental entities stored in Amazon S3. You can use [Amazon S3 inventory](#) to get a list of all objects in your bucket. For others to access your objects, you'll need to explicitly grant them permissions. [Learn more](#)

🔍 Find objects by prefix

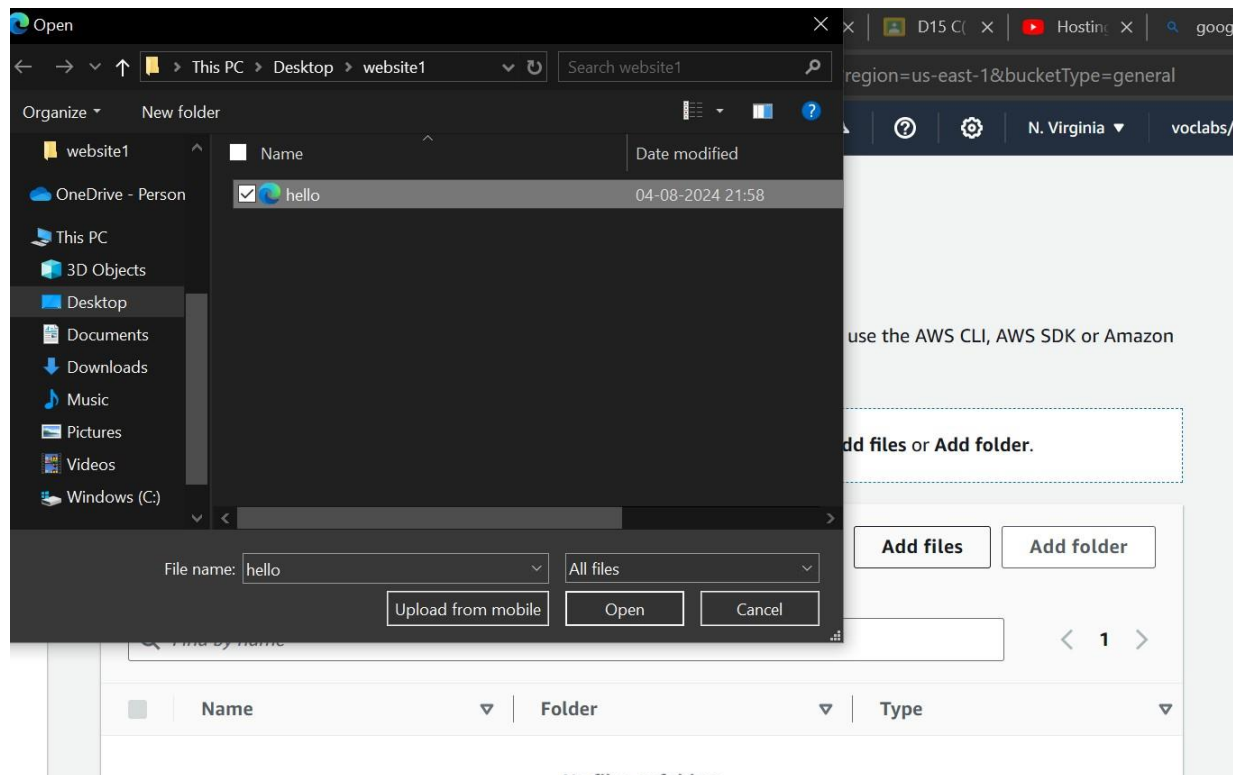
< 1 >


⚙️


	Name ▲	Type ▼	Last modified ▼	Size ▼	Storage class
No objects					
You don't have any objects in this bucket.					
<div>📄 Upload</div>					





3. Create a new html file, modify it and save it with a desired file name. Now, add/upload this file onto your S3 bucket.



 **Upload succeeded**  
View details below.

 The information below will no longer be available after you navigate away from this page.


### Summary

Destination <a href="#">s3://pratikbucketpatil</a>	Succeeded  1 file, 47.0 B (100.00%)
Failed  0 files, 0 B (0%)	


Files and folders

Configuration

### Files and folders (1 Total, 47.0 B)

 Find by name

< 1 >

Name	Folder	Type	Size	Status	Error
<a href="#">pratikweb...</a>	-	-	47.0 B	 Succeeded...	-

4. For enabling static website hosting, we must enable this Static website hosting option

Amazon S3 > Buckets > [pratikbucketpatil](#) > 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.

index.html

Error document - optional

This is returned when an error occurs.

error.html

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

pratikwebsite.php

Info

Copy S3 URI

Download

Open

Properties

Permissions

Versions

Object overview

Owner pratik.patil9113	S3 URI s3://pratikbucketpatil/pratikwebsite.php
AWS Region US East (N. Virginia) us-east-1	Amazon Resource Name (ARN) arn:aws:s3:::pratikbucketpatil/pratikwebsite.php
Last modified August 11, 2024, 21:03:00 (UTC+05:30)	Entity tag (Etag) 61b6ca8f924bd9036b05e272df7cc5d6
Size 47 B	



Name: Pratik Patil

Div: D15C

Roll No:40