

## Experiment No: 1(a)

### STATIC HOSTING :

#### 1) On local server (XAMPP)

**Step 1:** Install XAMPP from <https://www.apachefriends.org/>

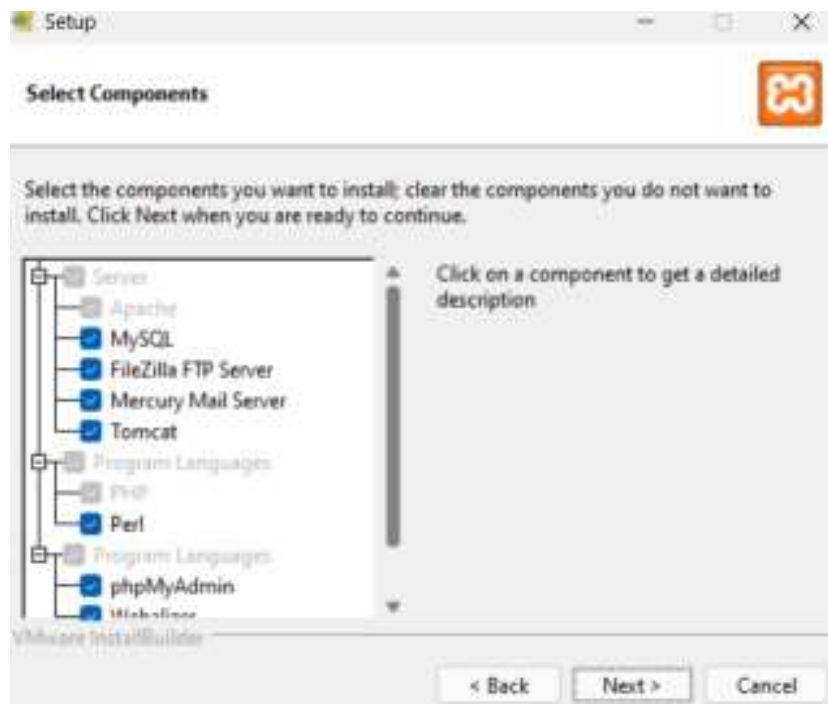
a) Select your OS. It will automatically start downloading



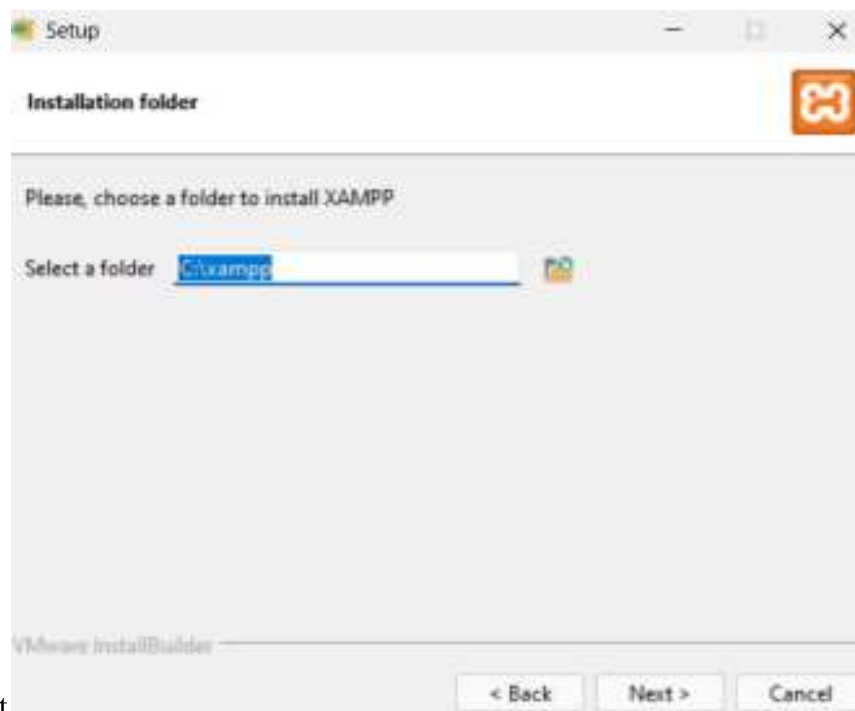
b) Open the setup file. Click on Next



c) Select all the required components and click next

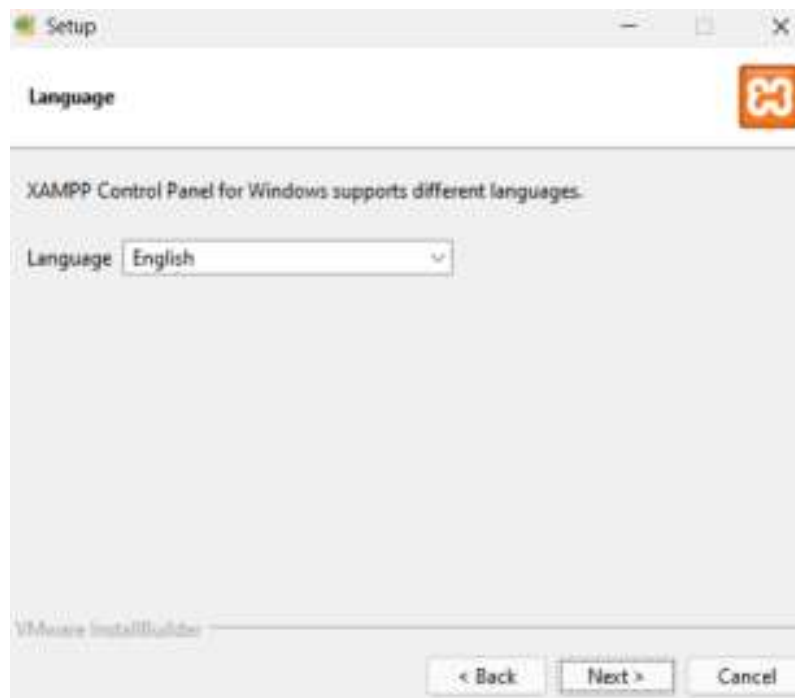


d) Choose the folder to install XAMPP in. Make sure the folder is empty. Click

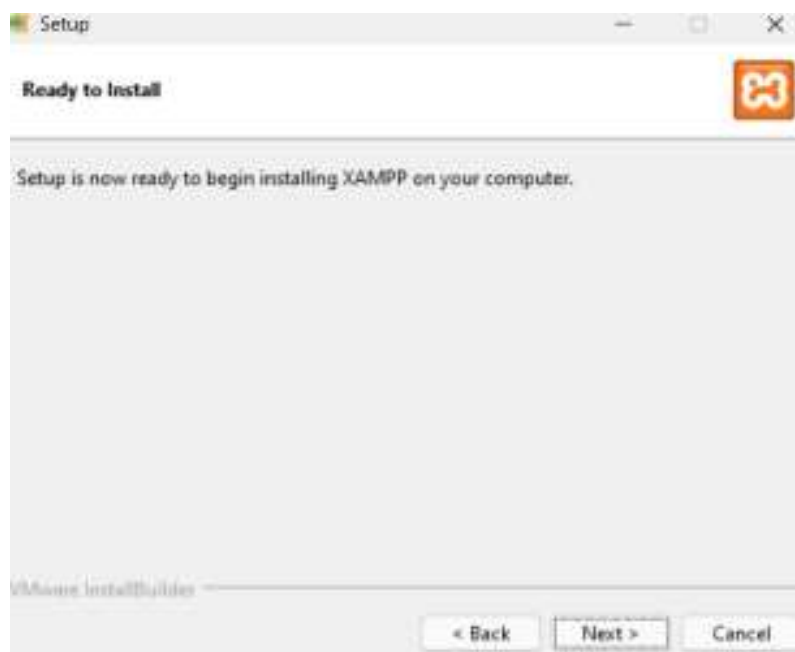


next

e) Select the language, click next. XAMPP starts to install



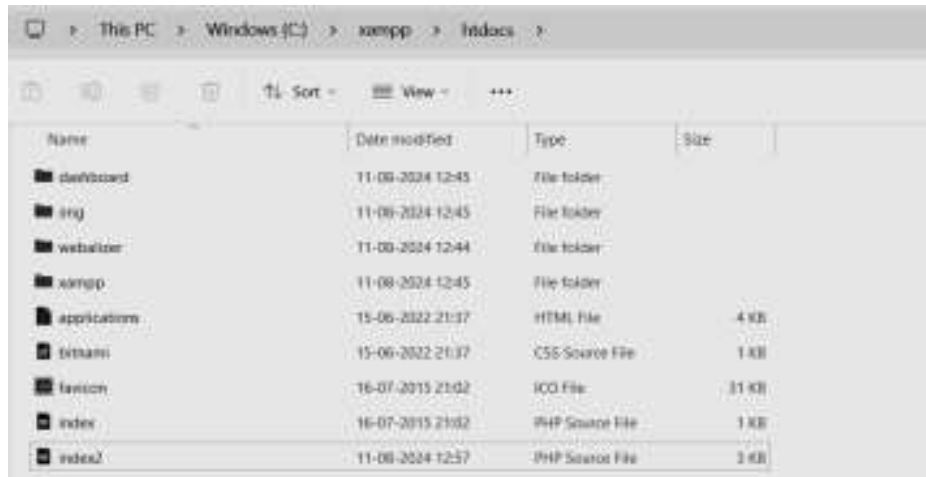
f) Click on Next



**Step 2:** Setup a file that is to be hosted on the server. Make sure the file has extension .php

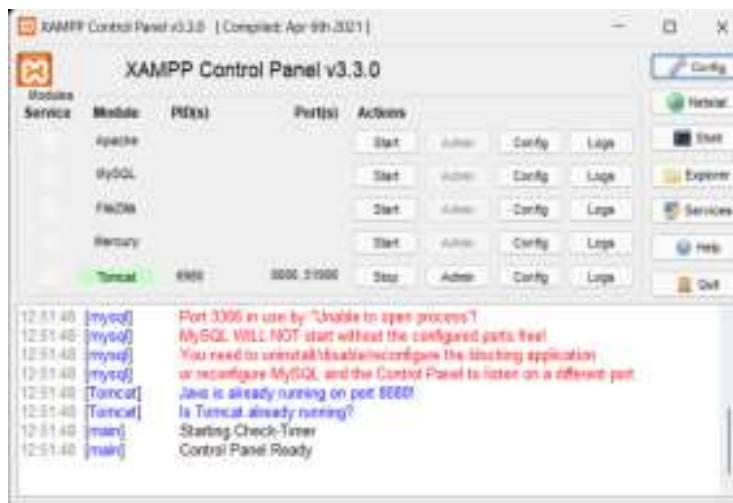
Name	Date modified	Type	Size
index	04-08-2024 18:02	HTML File	3 KB
index2	11-08-2024 12:57	PHP Source File	3 KB

**Step 3:** Go to the directory where XAMPP was installed. Go to htdocs folder. Place your folder in this directory i.e Paste the index2.php here



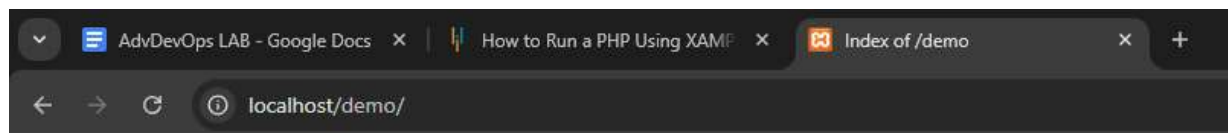
Name	Date modified	Type	Size
desktop	11-08-2024 12:45	File folder	
img	11-08-2024 12:45	File folder	
webalizer	11-08-2024 12:44	File folder	
xampp	11-08-2024 12:45	File folder	
applications	15-06-2022 21:37	HTML file	4 KB
binhtml	15-06-2022 21:37	CSS Source File	1 KB
favicon	16-07-2015 21:02	ICO File	31 KB
index	16-07-2015 21:02	PHP Source File	1 KB
index2	11-08-2024 12:57	PHP Source File	3 KB

**Step 4:** Open XAMPP Control Panel, start the Apache service (Required) and mySQL service (if needed)





**Step 5:** Open your web browser. Type localhost/index2.php. This will open your website on your browser.



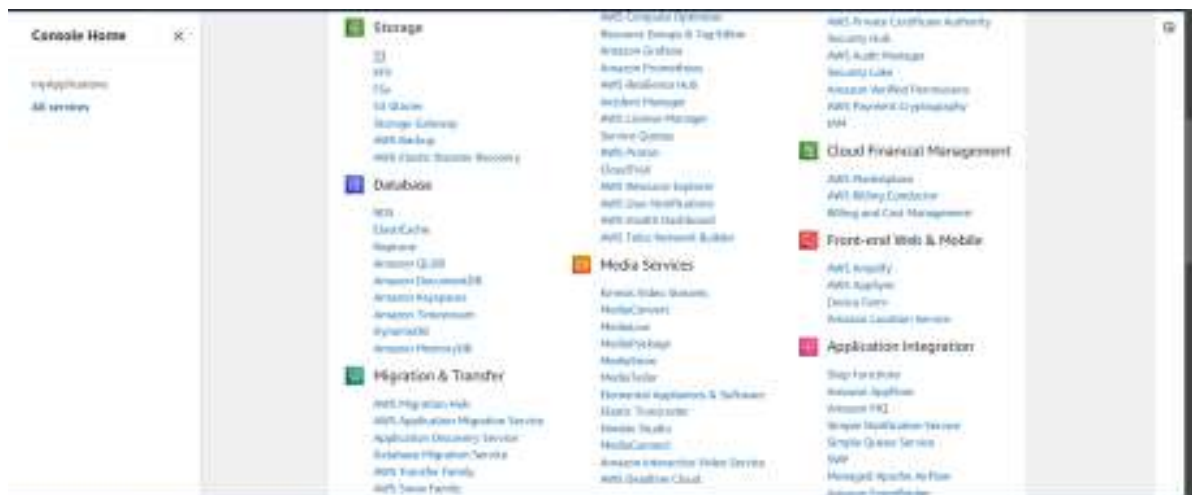
## Index of /demo

<a href="#">Name</a>	<a href="#">Last modified</a>	<a href="#">Size</a>	<a href="#">Description</a>
 <a href="#">Parent Directory</a>		-	
 <a href="#">file.php</a>	2024-08-09 08:44	23	

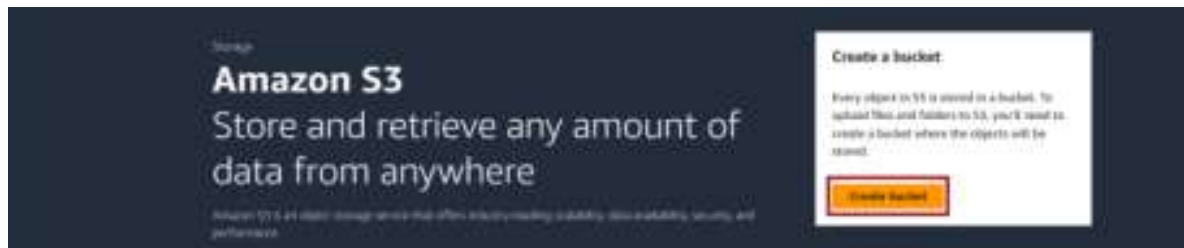
*Apache/2.4.58 (Win64) OpenSSL/3.1.3 PHP/8.2.12 Server at localhost Port 80*

## On AWS S3

**Step 1:** Login to your AWS account. Go to services and open S3.



**Step 2:** Click on Create Bucket



**Step 3:** Give a name to your bucket, keeping other options default, scroll down and click on Create 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

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.

Format: s3://bucket/prefix

**Step 4:** Click on the name of your bucket and goto Properties

Successfully created bucket "www.kingmaker.com"

[View details](#)

Amazon S3 > Buckets

Account snapshot - updated every 24 hours All AWS Regions

[View Storage Lens dashboard](#)

General purpose buckets

Directory buckets

General purpose buckets (2) Info All AWS Regions

Copy ARN

Empty

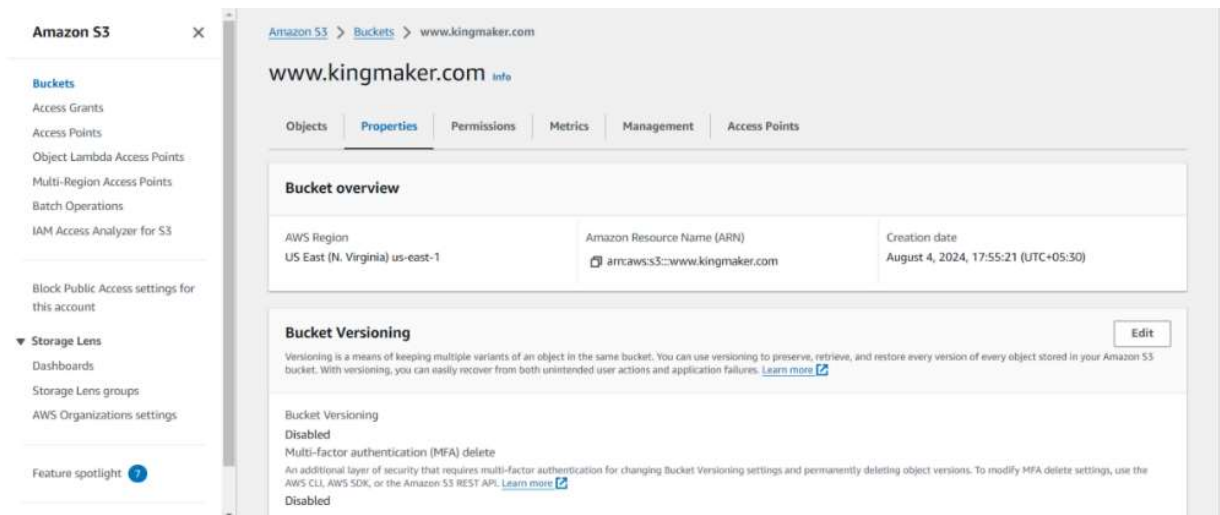
Delete

Create bucket

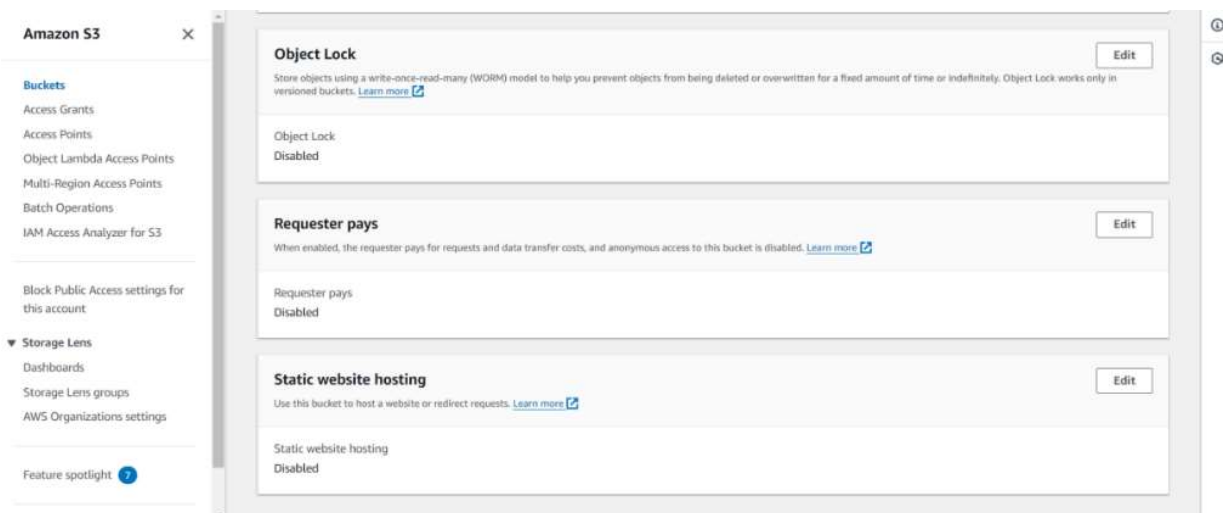
Find buckets by name

< 1 >

	Name	AWS Region	IAM Access Analyzer	Creation date
<input type="radio"/>	<a href="#">www.kingmaker.com</a>	US East (N. Virginia) us-east-1	<a href="#">View analyzer for us-east-1</a>	August 4, 2024, 17:55:21 (UTC+05:30)
<input type="radio"/>	<a href="#">www.mywebsite.com</a>	US East (N. Virginia) us-east-1	<a href="#">View analyzer for us-east-1</a>	July 28, 2024, 18:09:18 (UTC+05:30)

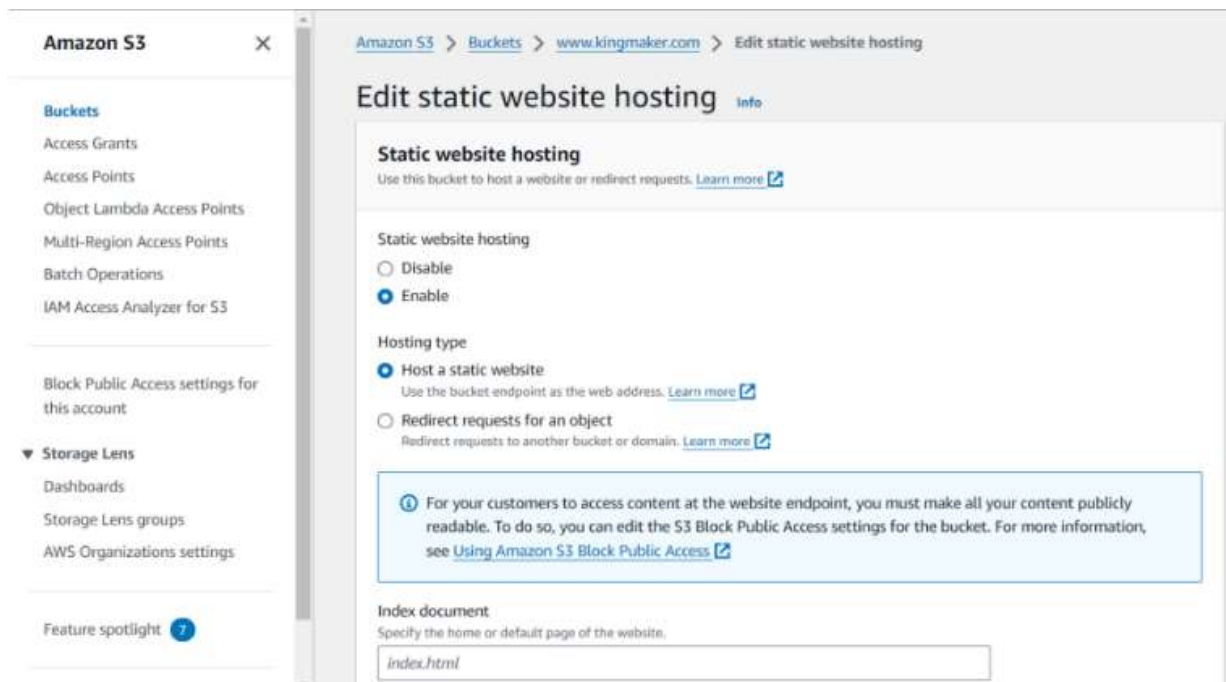


**Step 5:** Scroll down till you find Static website hosting, click on edit

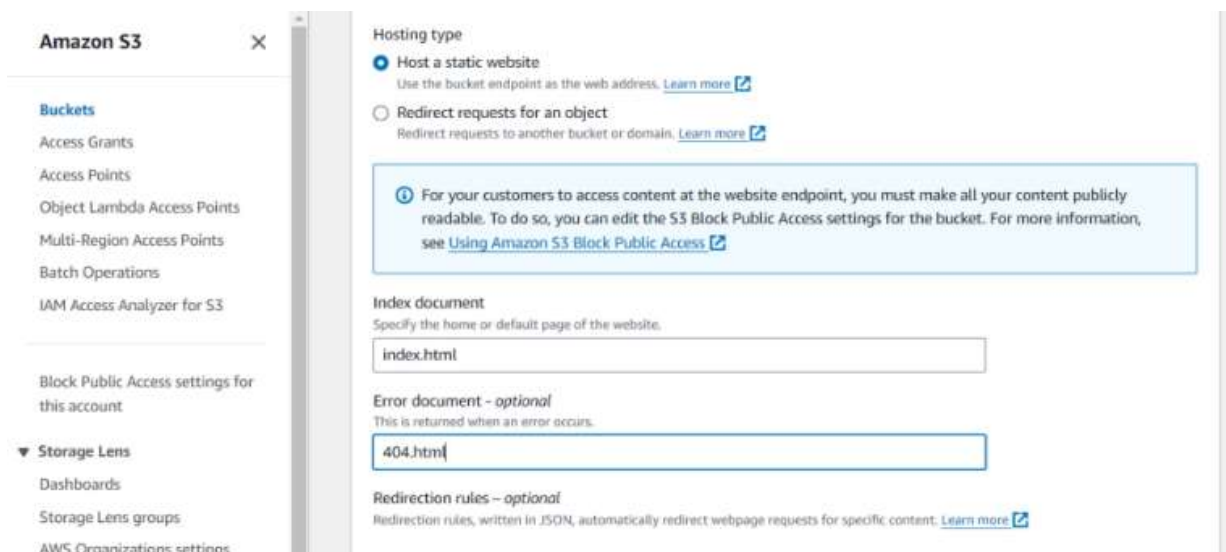


**Step 6:** Click on Enable static website hosting

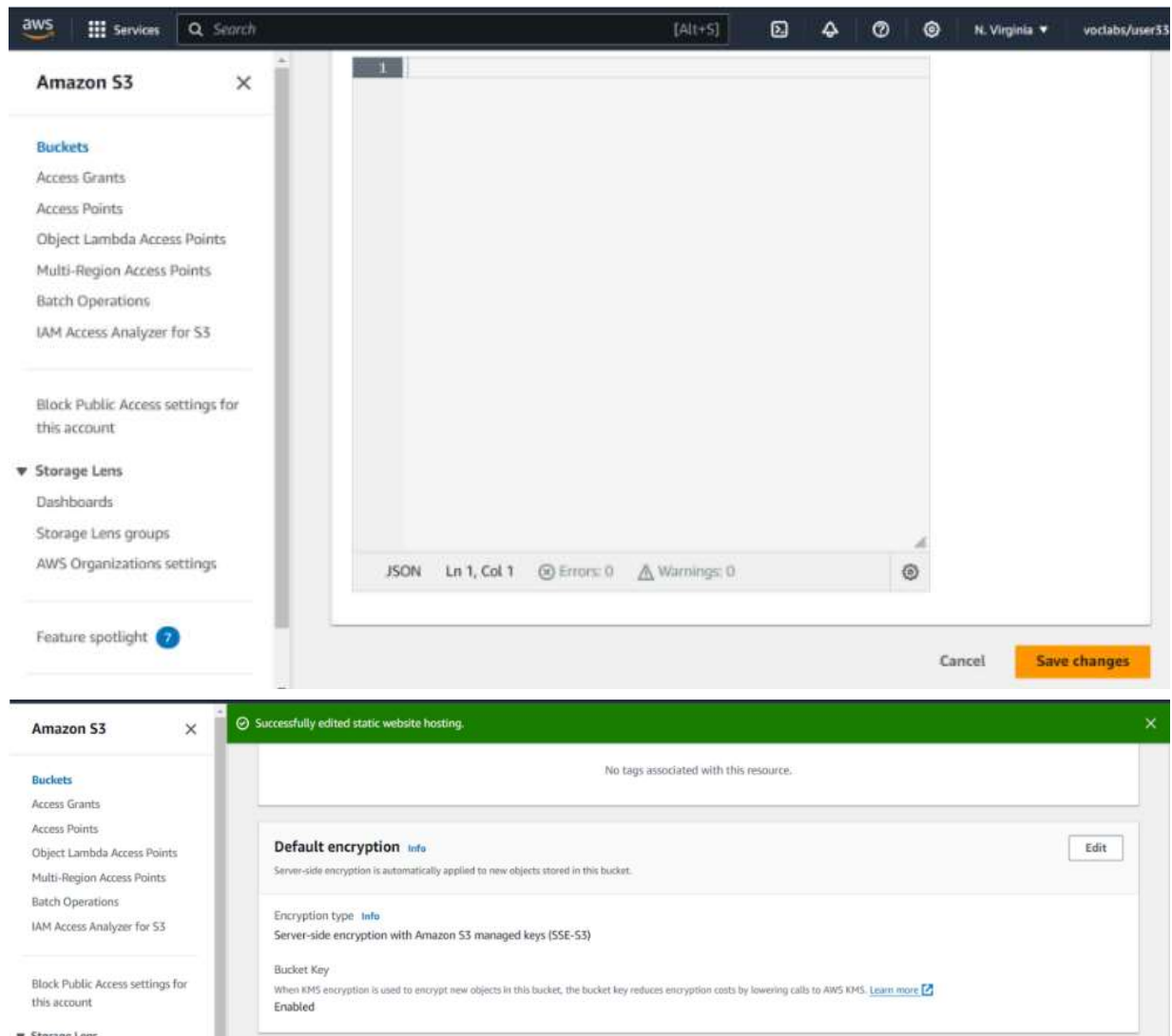




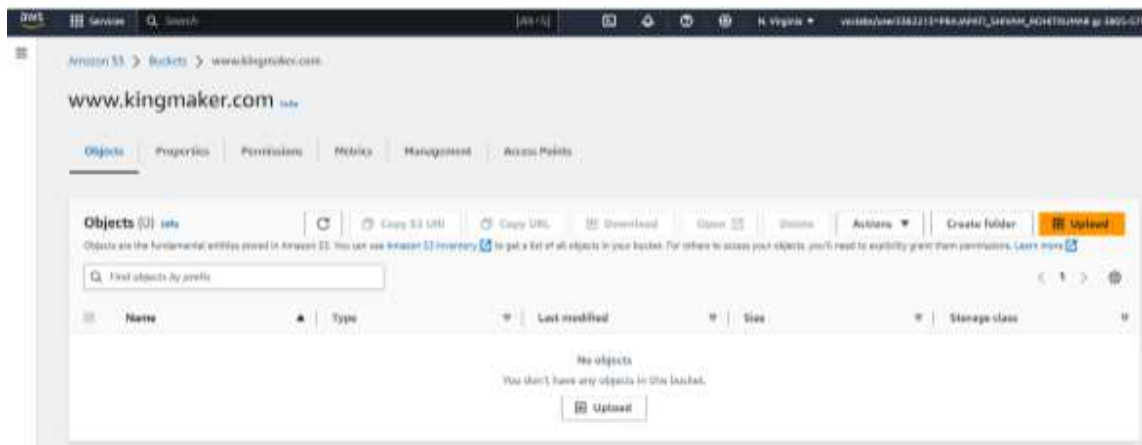
**Step 7:** Write the name of your document which you wanted to host on AWS from your local folder and in error document, give name as 404.html. Save your changes.



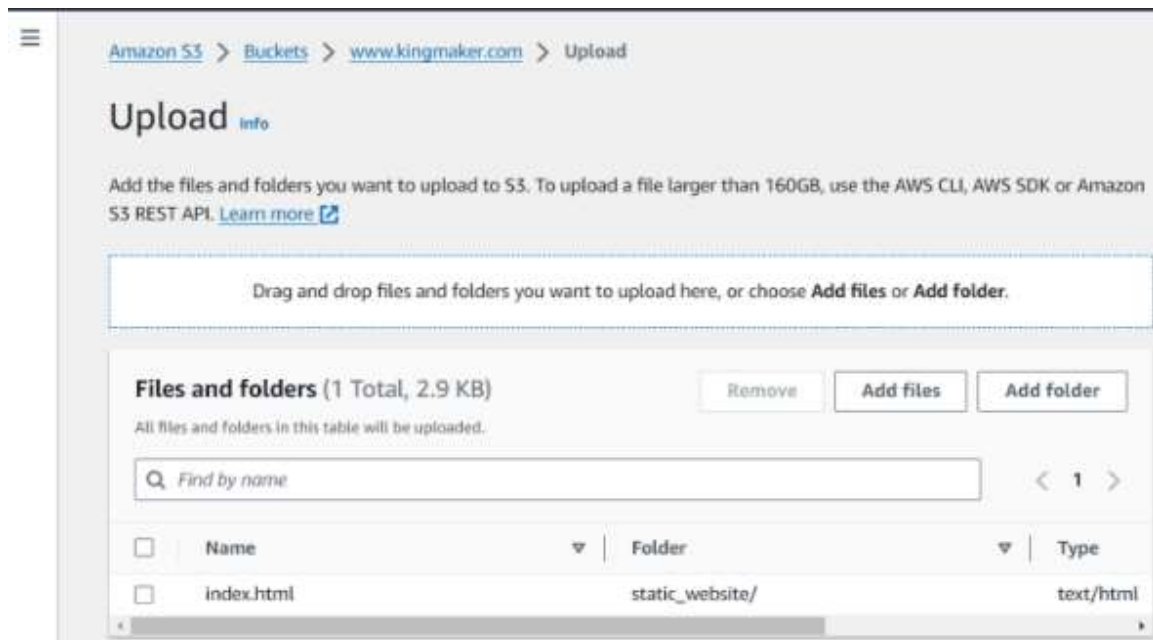
**Step 8:** Save the Changes



**Step 9:** Go to Objects tab and click on upload file



**Step 10:** Click on Add files. Add all the files you want to upload. Then scroll down and click on Upload



**Destination** [info](#)

Destination  
[s3://www.kingmaker.com](https://www.kingmaker.com)

► **Destination details**  
Bucket settings that impact new objects stored in the specified destination.

► **Permissions**  
Grant public access and access to other AWS accounts.

► **Properties**  
Specify storage class, encryption settings, tags, and more.

Cancel Upload

**Upload succeeded**  
View details below.

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

**Summary**

Destination <a href="https://www.kingmaker.com">s3://www.kingmaker.com</a>	Succeeded 1 file, 2.9 KB (100.00%)	Failed 0 files, 0 B (0%)
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**Files and folders** | Configuration

**Files and folders** (1 Total, 2.9 KB)

Find by name

Name	Folder	Type	Size	Status	Error
<a href="#">index.html</a>	static_websi...	text/html	2.9 KB	Succeeded	-

**Step11:** This will take you to the Objects screen. Switch to Properties, scroll down to Static web hosting. There you would find the link (Bucket website endpoint) to your website.

**Buckets**

- Access Grants
- Access Points
- Object Lambda Access Points
- Multi-Region Access Points
- Batch Operations
- IAM Access Analyzer for S3

Block Public Access settings for this account

▼ **Storage Lens**

- Dashboards
- Storage Lens groups
- AWS Organizations settings

Feature spotlight

**Requester pays** [Edit](#)

When enabled, the requester pays for requests and data transfer costs, and anonymous access to this bucket is disabled. [Learn more](#)

Requester pays  
Disabled

**Static website hosting** [Edit](#)

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://www.kingmaker.com.s3-website-us-east-1.amazonaws.com>

**Step12:** Open the link. It will show a 403 forbidden error screen as the contents of the bucket

are not available for the public users. To change this, go to Permissions tab, go to Block public access and click on edit

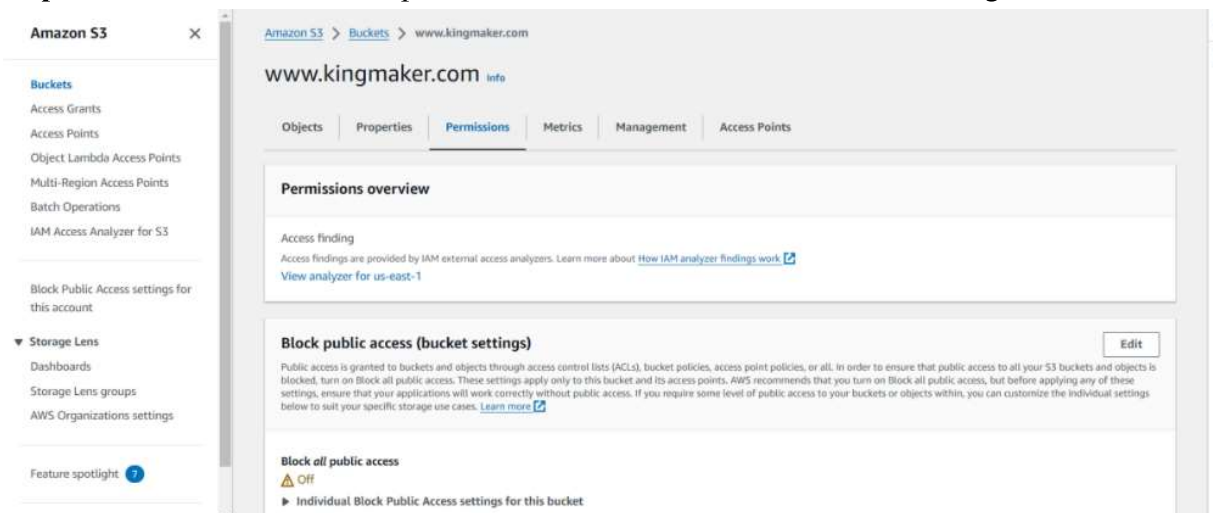
## 403 Forbidden

- Code: AccessDenied
- Message: Access Denied
- RequestId: 8TQ4EGP4TK06MVPB
- HostId: hF+ToadQUoCuDM8H+IFRsXdA28TGp+xikYbjb4CICS/t+3it4ihA/tvgA1Xr1xo+JL5AhkT6hJs=

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

- Code: AccessDenied
- Message: Access Denied

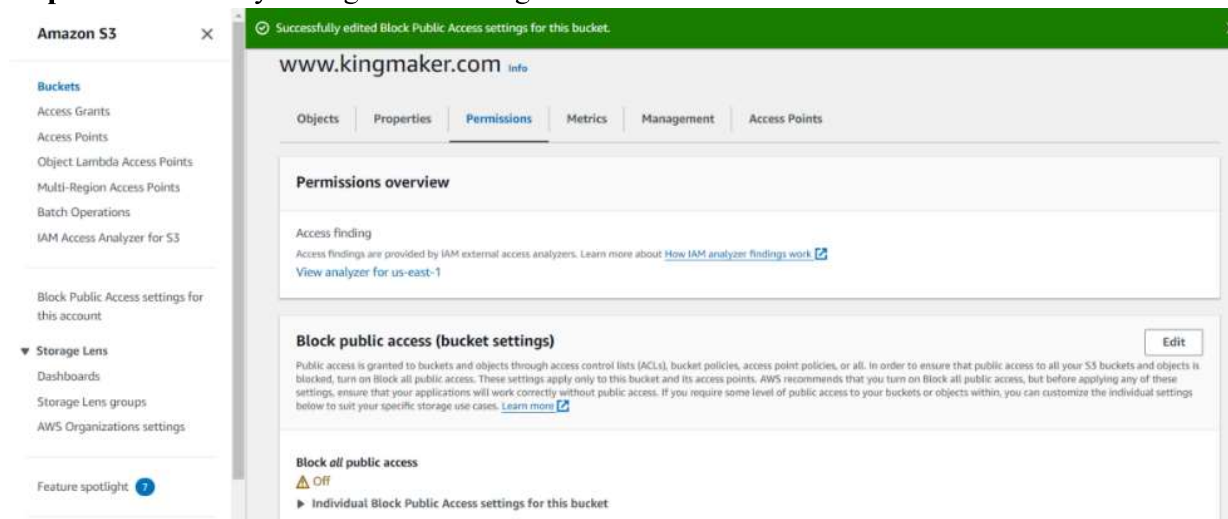
**Step 13:** Uncheck the Block all public access checkbox and click on save changes



The screenshot shows the Amazon S3 console interface. On the left is a navigation sidebar with options like Buckets, Access Grants, Access Points, Object Lambda Access Points, Multi-Region Access Points, Batch Operations, IAM Access Analyzer for S3, Block Public Access settings for this account, Storage Lens, Dashboards, Storage Lens groups, AWS Organizations settings, and Feature spotlight. The main content area shows the 'Permissions' tab for the bucket 'www.kingmaker.com'. Under 'Permissions overview', there's an 'Access finding' section. Below that, the 'Block public access (bucket settings)' section is highlighted, showing a warning icon and the text 'Block all public access' with a toggle switch set to 'Off'. An 'Edit' button is next to it. Below this, the 'Individual Block Public Access settings for this bucket' section is visible.



### Step 14: Successfully Changed the Settings



### Step 15: Scroll down to bucket policy and click edit and paste the code from given Github Link <https://gist.github.com/Savjee/b4b3a21d143a30e7dc07>

Amazon S3

Buckets

Access Grants

Access Points

Object Lambda Access Points

Multi-Region Access Points

Batch Operations

IAM Access Analyzer for S3

Block Public Access settings for this account


Storage Lens

Dashboards

Storage Lens groups

AWS Organizations settings

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

Bucket ARN  
 `arn:aws:s3:::www.kingmaker.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.kingmaker.com/*"
12    }
13  ]
14 }
```

**Step 16:** Now reload the website. You can see your website

## Advanced Devops

*Ignem dicitur de auro, concenteris colligendum esse. Adhuc quoque delictis, vulgare est, repulendum auro tantum auro aptum delictis archetypis. laborationem tot auctoribus beneque dictis notum. Ad laborum quos repulendum auro aptum per concenteris? Repulit, auro et auctoribus notum fuisse legem? Repulit, auctoribus illis patetibus aut unde vulgare est aliquot aut auctoribus notum fuisse, patetibus auctoribus auro et auctoribus notum fuisse. Quod dicitur de auro? Repulit, auctoribus illis patetibus aut unde vulgare est aliquot aut auctoribus notum fuisse, patetibus auctoribus auro et auctoribus notum fuisse. Quod dicitur de auro? Repulit, auctoribus illis patetibus aut unde vulgare est aliquot aut auctoribus notum fuisse, patetibus auctoribus auro et auctoribus notum fuisse.*

## Shopping list

- A. milk  
B. sugar  
C. salt  
D. yeast  
    • kaka kullu  
    • şeker  
    • tuz  
    • mayi  
E. oil

- Shivam Prasad
- Ganesh Gupta
- Sandeep Yadav
- Alok Yadav
- Aditya Dubey

**Sample**

## Notes