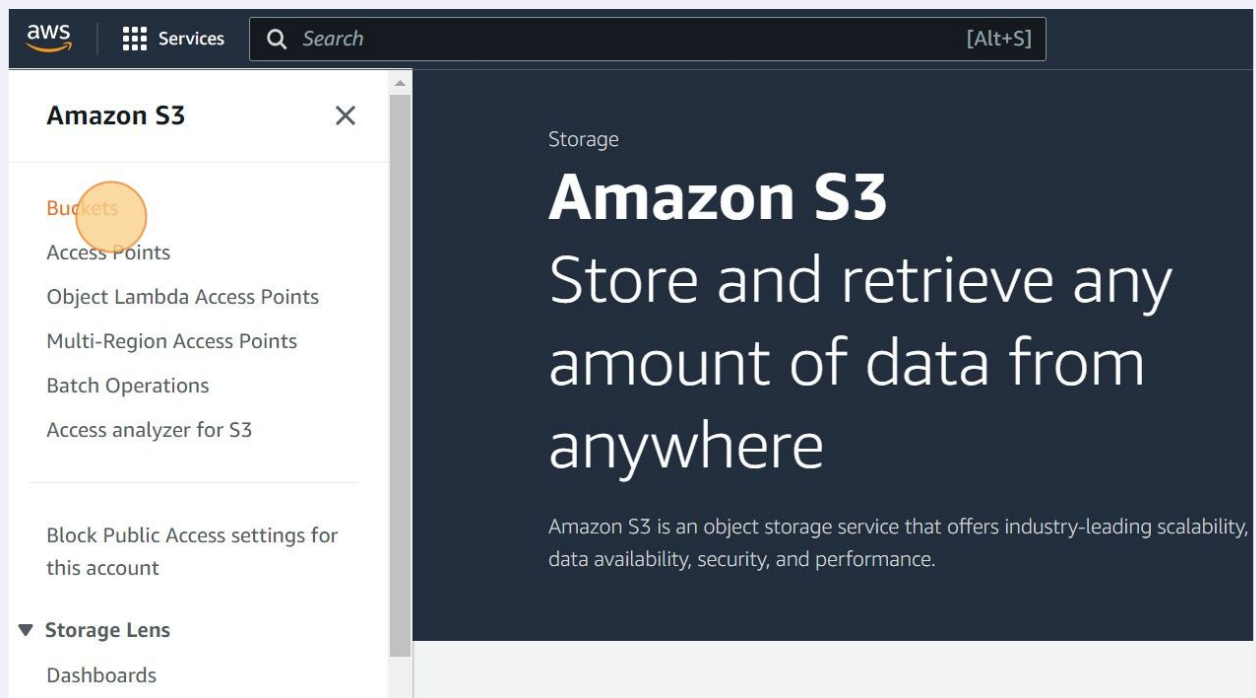


Amazon Hosting Static Website With S3

1 Navigate to s3.console.aws.amazon.com/s3/get-started?region...

2 Click "Buckets"



3 Click "Create bucket"






Amazon S3 > Buckets


Account snapshot View Storage Lens dashboard


Storage lens provides visibility into storage usage and activity trends. [Learn more](#)

Buckets (1) [Info](#)

Buckets are containers for data stored in S3. [Learn more](#)

  Copy ARN  Empty  Delete 

< 1 > 

Name	AWS Region	Access	Creation date
beachwavebucket01	US East (N. Virginia) us-east-1	 Public	December 16, 2022, 13:36:25 (UTC-05:00)

[New Unified Settings](#) © 2022, Amazon Web Services, Inc. or its affiliates. [Privacy](#) [Terms](#) [Cookies](#)


4 Click the "Bucket name" field.

Amazon S3 > Buckets > Create bucket

Create bucket [Info](#)

Buckets are containers for data stored in S3. [Learn more](#)

General configuration

Bucket name 

Bucket name must be globally unique and must not contain spaces or uppercase letters. [See rules for bucket naming](#)

AWS Region

Copy settings from existing bucket - *optional*

Only the bucket settings in the following configuration are copied.

5 Type "beachwavebucket2"

6 Click "US East (N. Virginia) us-east-1"

Bucket name

beachwavebucket2

Bucket name must be globally unique and must not contain spaces or uppercase letters. [See rules for bucket naming](#)

AWS Region

US East (Ohio) us-east-2

Q |

United States

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

US East (Ohio) us-east-2

US West (N. California) us-west-1

US West (Oregon) us-west-2

Africa

Africa (Cape Town) af-south-1
Disabled Region

Asia Pacific

Control lists (ACLs). Object ownership

can be owned by other AWS
bucket and its objects can be

7

Click the "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." field.

Copy settings from existing bucket: optional

Only the bucket settings in the following configuration are copied.

Choose bucket

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](#)

8

Click the "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." field.

Services
Search
[Alt+S]

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.

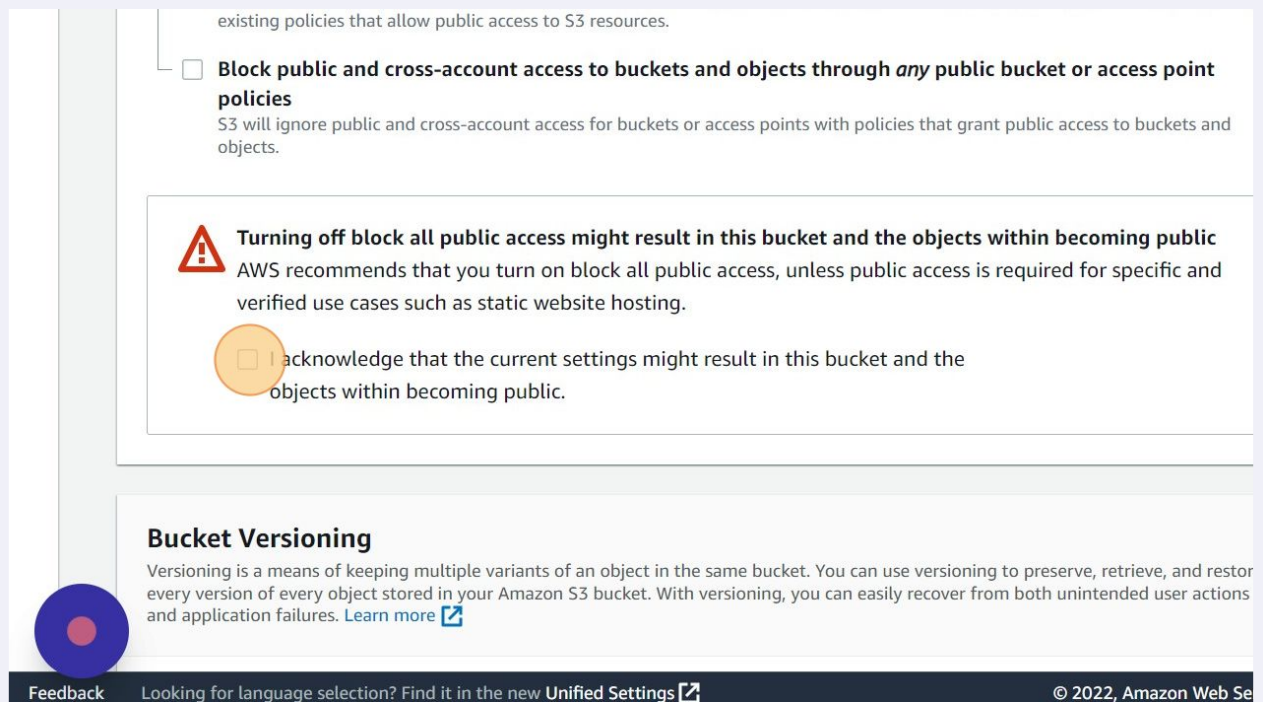
- ☒ **Block public access to buckets and objects granted through new access control lists (ACLs)**

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 resource 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**


9 Click this checkbox.



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.

 **Turning off block all public access might result in this bucket and the objects within becoming public**
AWS recommends that you turn on block all public access, unless public access is required for specific and verified use cases such as static website hosting.

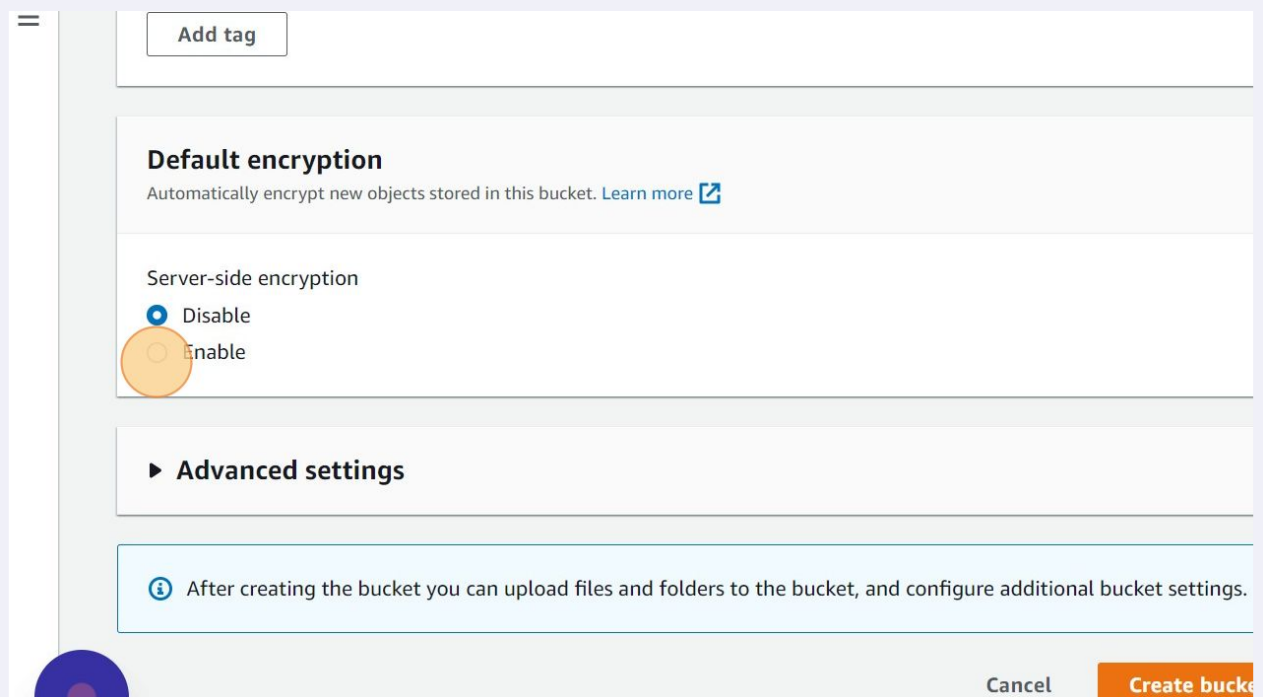
 ☐ I acknowledge that the current settings might result in this bucket and the objects within becoming public.

Bucket Versioning
Versioning is a means of keeping multiple variants of an object in the same bucket. You can use versioning to preserve, retrieve, and restore every version of every object stored in your Amazon S3 bucket. With versioning, you can easily recover from both unintended user actions and application failures. [Learn more](#)

Feedback Looking for language selection? Find it in the new [Unified Settings](#)

© 2022, Amazon Web Services

10 Click the "Enable" field.




Add tag


Default encryption
Automatically encrypt new objects stored in this bucket. [Learn more](#)

Server-side encryption

☒ Disable

 ☐ Enable

► Advanced settings

 After creating the bucket you can upload files and folders to the bucket, and configure additional bucket settings.

Cancel **Create bucket**

11 Click "Create bucket"


DRM) model to help you prevent objects from being deleted or overwritten for a fixed

to be locked. Additional Object Lock configuration is
ion to protect objects in this bucket from being deleted

ed buckets. Enabling Object Lock automatically enables Bucket Versioning.

load files and folders to the bucket, and configure additional bucket settings.

Cancel **Create bucket**

Unified Settings  © 2022, Amazon Web Services, Inc. or its affiliates. Privacy Terms Cookie pref

12 Click this radio button.

Buckets

Access Points

Object Lambda Access Points

Multi-Region Access Points

Batch Operations

Access analyzer for S3


Block Public Access settings for this account

▼ Storage Lens


Dashboards



AWS Organizations settings


Replicate data within and between AWS Regions using Amazon S3 Replication.


Storage lens provides visibility into storage usage and activity trends. [Learn more](#) 


Buckets (2) [Info](#)

Buckets are containers for data stored in S3. [Learn more](#) 

  Copy ARN Empty Delete **Create bucket**

 Find buckets by name

	Name ▲	AWS Region ▼	Access
<input type="radio"/>	beachwavebucket01	US East (N. Virginia) us-east-1	 Public
<input checked="" type="radio"/>	beachwavebucket2	US East (N. Virginia) us-east-1	Objects can be public

Feedback Looking for language selection? Find it in the new [Unified Settings](#)  © 2022, Amazon Web Se

13 Click "beachwavebucket2"

The screenshot shows the Amazon S3 console's 'Buckets' page. A blue banner at the top reads 'Replicate data within and between AWS Regions using Amazon S3 Replication.' Below this, a section titled 'Buckets (2)' includes a search bar and buttons for 'Copy ARN', 'Empty', 'Delete', and 'Create bucket'. A table lists two buckets:

Name	AWS Region	Access
beachwavebucket01	US East (N. Virginia) us-east-1	Public
beachwavebucket2	US East (N. Virginia) us-east-1	Objects can be public

The bucket 'beachwavebucket2' is highlighted with a blue selection circle and an orange callout circle. The footer contains a language selection link and the copyright notice '© 2022, Amazon Web Services, Inc.'.

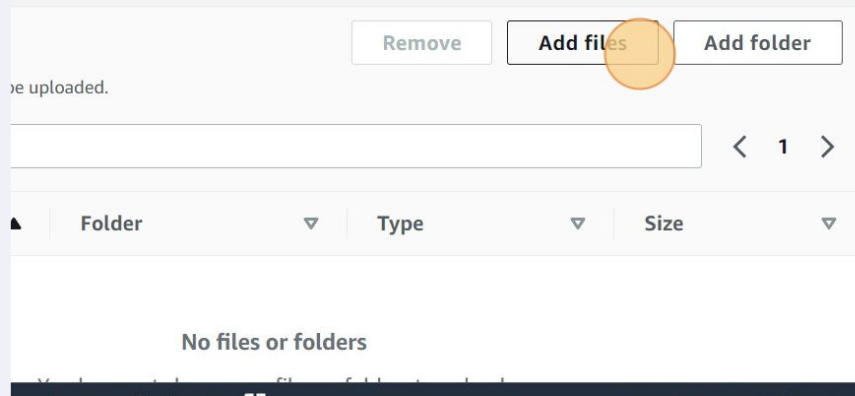
14 Click here.

The screenshot shows the 'beachwavebucket2' page in the Amazon S3 console. The breadcrumb trail is 'Amazon S3 > Buckets > beachwavebucket2'. The page title is 'beachwavebucket2' with an 'Info' link. A tabbed interface shows 'Objects' as the active tab, with other tabs for 'Properties', 'Permissions', 'Metrics', 'Management', and 'Access'. The 'Objects (0)' section includes a description and a set of buttons: 'Copy S3 URI', 'Copy URL', 'Download', 'Open', 'Create folder', and 'Upload'. The 'Upload' button is highlighted with an orange callout circle. A search bar for objects by prefix is at the bottom. The footer includes a language selection link and the copyright notice '© 2022, Amazon Web Services, Inc.'.

15 Click "Add files"

to upload to S3. To upload a file larger than 160GB, use the AWS CLI, AWS SDK or Amazon

s and folders you want to upload here, or choose **Add files**, or **Add folders**.



The screenshot shows the AWS S3 console interface. At the top, there are three buttons: "Remove", "Add files", and "Add folder". The "Add files" button is highlighted with an orange circle. Below the buttons, there is a text input field and a pagination control showing "< 1 >". Below that is a table with headers: "Folder", "Type", and "Size". The table is currently empty, displaying "No files or folders".

16 Click "Upload"

or IAM policies for access control. [Learn more](#)

objects. The object owner will have read and write access. [Learn more](#)

Cancel

Upload

[Settings](#)

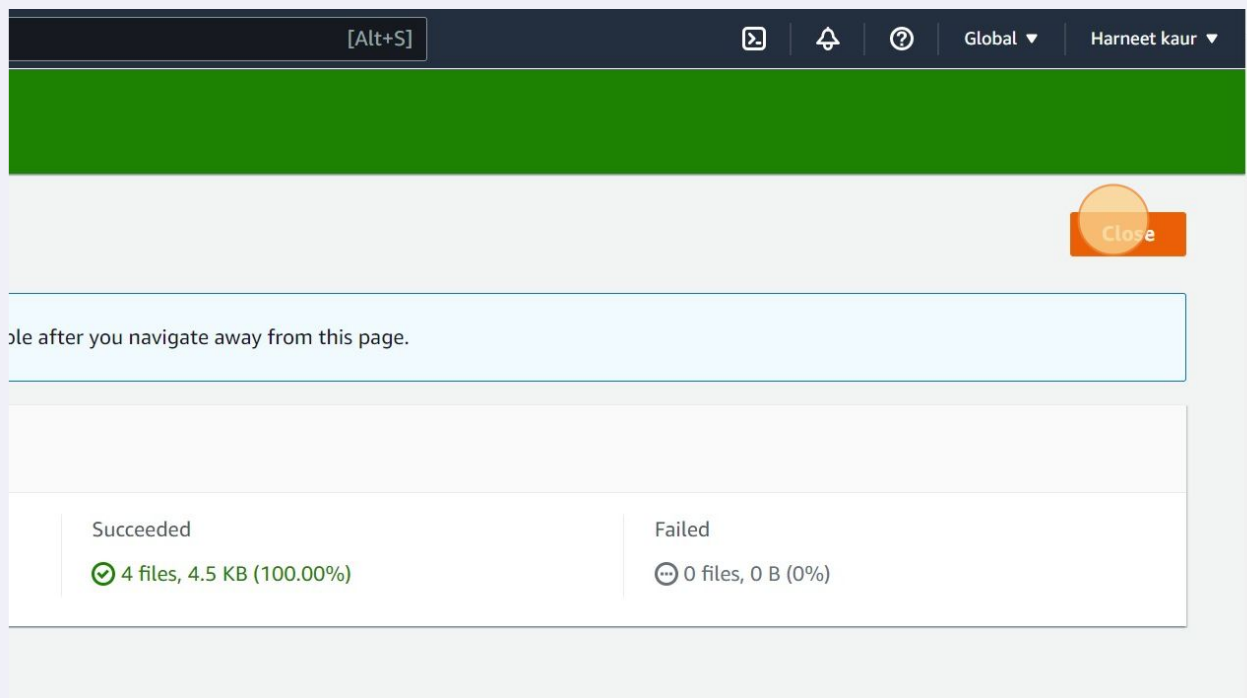
© 2022, Amazon Web Services, Inc. or its affiliates.

[Privacy](#)

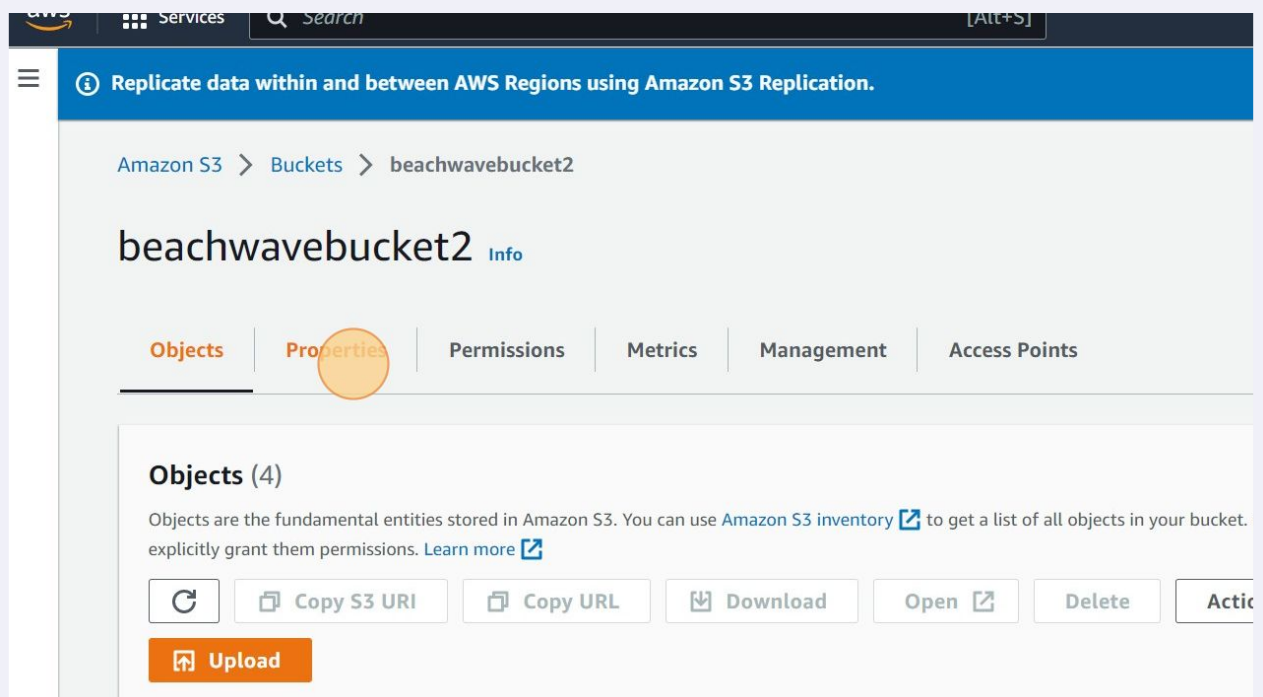
[Terms](#)

[Cookie preferences](#)

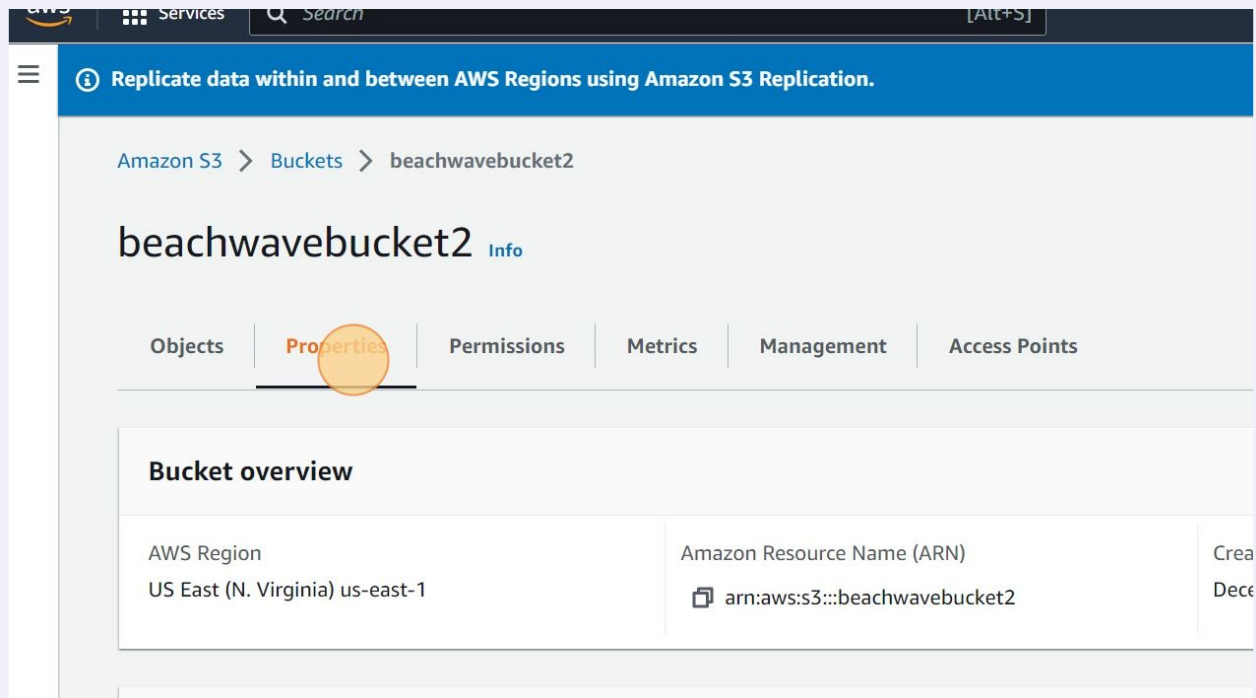
17 Click "Close"



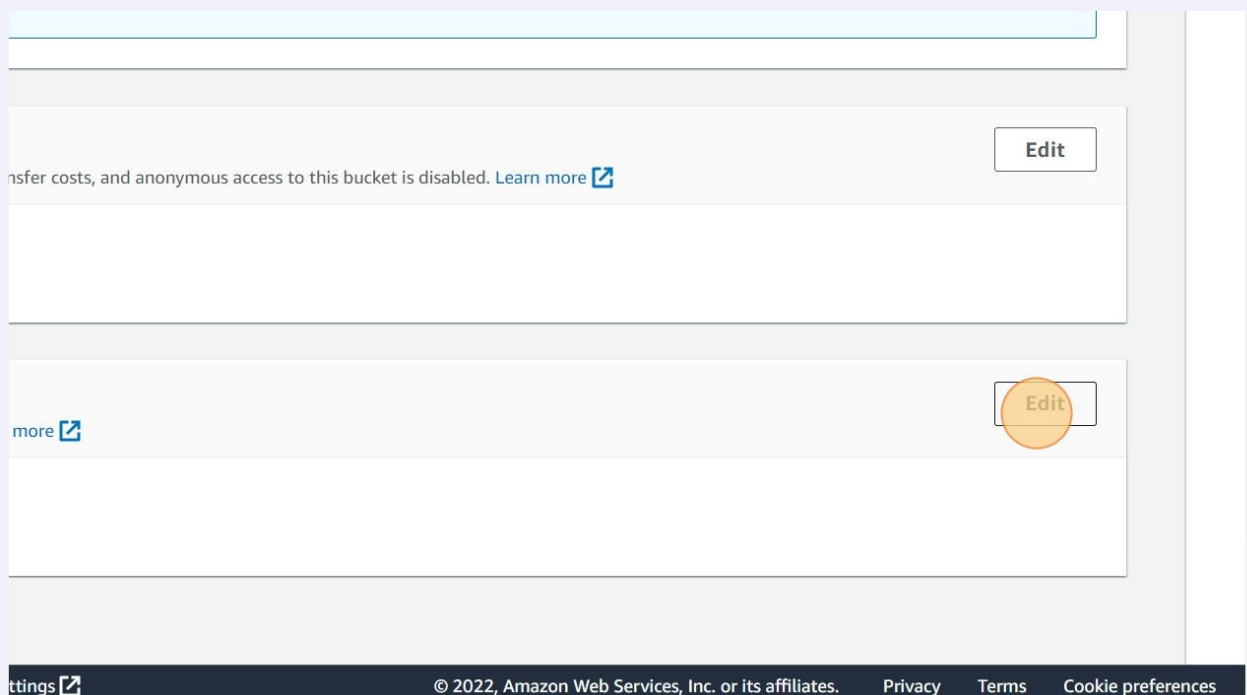
18 Click "Properties"



19 Click "Properties"



20 Click "Edit"



- 21 Click the "Enable" field.

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

Cancel [Save changes](#)

Feedback [Looking for language selection? Find it in the new Unified Settings](#) © 2022 Amazon Web

- 22 Click the "Index document" field.

aws Services [Search](#) [Alt+S]

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

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

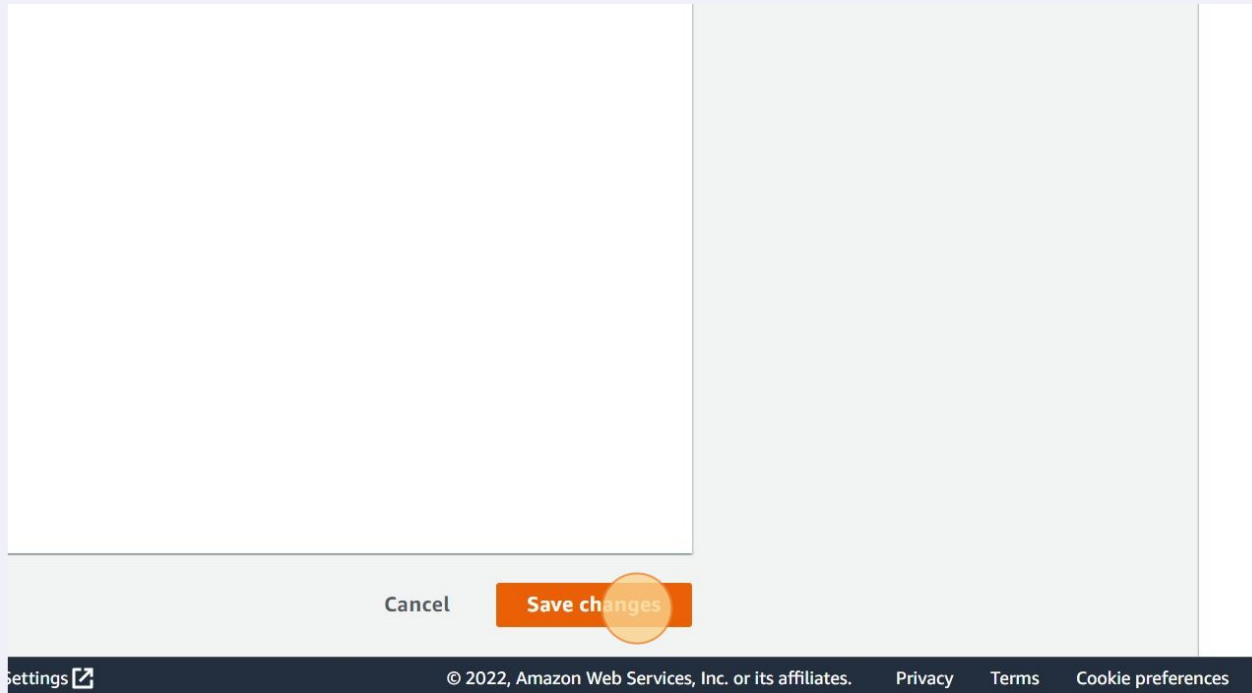
Error document - optional
This is returned when an error occurs.

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

1

23 Type the name of the index page of your website. In this case it is "index.html" .

24 Click "Save changes"



25 Click "Permissions"

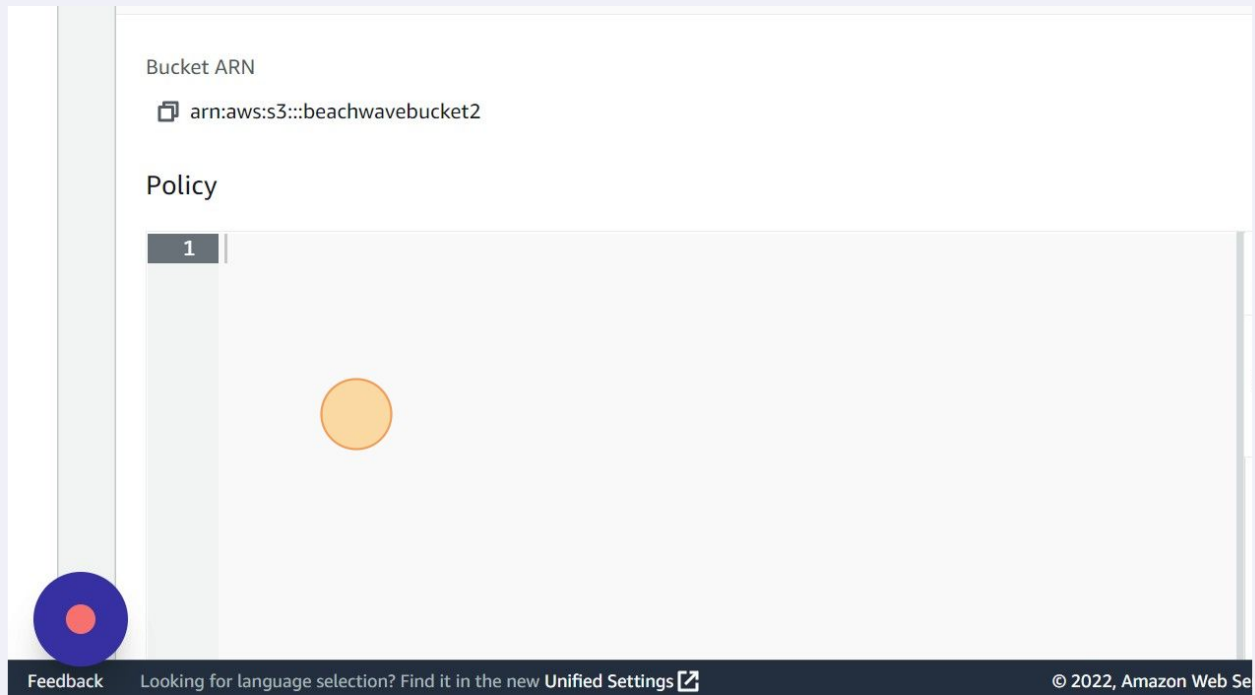
The screenshot shows the AWS Management Console interface. At the top, there is a green notification bar that says "Successfully edited static website hosting." Below it is a blue banner with an information icon and the text "Replicate data within and between AWS Regions using Amazon S3 Replication." The breadcrumb navigation shows "Amazon S3 > Buckets > beachwavebucket2". The main heading is "beachwavebucket2" with an "Info" link. Below the heading is a tabbed interface with tabs for "Objects", "Properties", "Permissions" (which is highlighted with an orange circle), "Metrics", "Management", and "Access Points". Under the "Permissions" tab, there is a section titled "Bucket overview" which contains a table with the following data:

AWS Region	Amazon Resource Name (ARN)	Created
US East (N. Virginia) us-east-1	arn:aws:s3:::beachwavebucket2	Dec 12, 2023

26 Click "Edit"

The screenshot shows the AWS Management Console interface. At the top, there is a dark header with the AWS logo, "Services", a search bar, and "[Alt+S]". Below the header is a blue banner with an information icon and the text "Replicate data within and between AWS Regions using Amazon S3 Replication." The breadcrumb navigation shows "Amazon S3 > Buckets > beachwavebucket2". The main heading is "beachwavebucket2" with an "Info" link. Below the heading is a tabbed interface with tabs for "Objects", "Properties", "Permissions", "Metrics", "Management", and "Access Points". Under the "Permissions" tab, there is a section titled "Bucket policy" which contains the text "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 users." Below this text are two buttons: "Edit" (highlighted with an orange circle) and "Delete". Below the buttons is a large text area containing the text "No policy to display."

27 Click here.



28 Add the bucket policy. In this case you can copy the value from the policy.text file given in the repo

29 Click here.

aws Services Search [Alt+S]

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 users.

[Policy examples](#) [Policy generator](#)

Bucket ARN

arn:aws:s3:::beachwavebucket2

Policy

```
1 {
2   "Id": "StaticWebPolicy",
3   "Version": "2012-10-17",
4   "Statement": [
5     {
6       "Sid": "S3GetObjectAllow",
7       "Action": [
8         "s3:GetObject"
9       ],
10      "Effect": "Allow",
11      "Resource": "Your_Bucket_Arn/*"
```

30 Click here.

✓ Bucket ARN copied

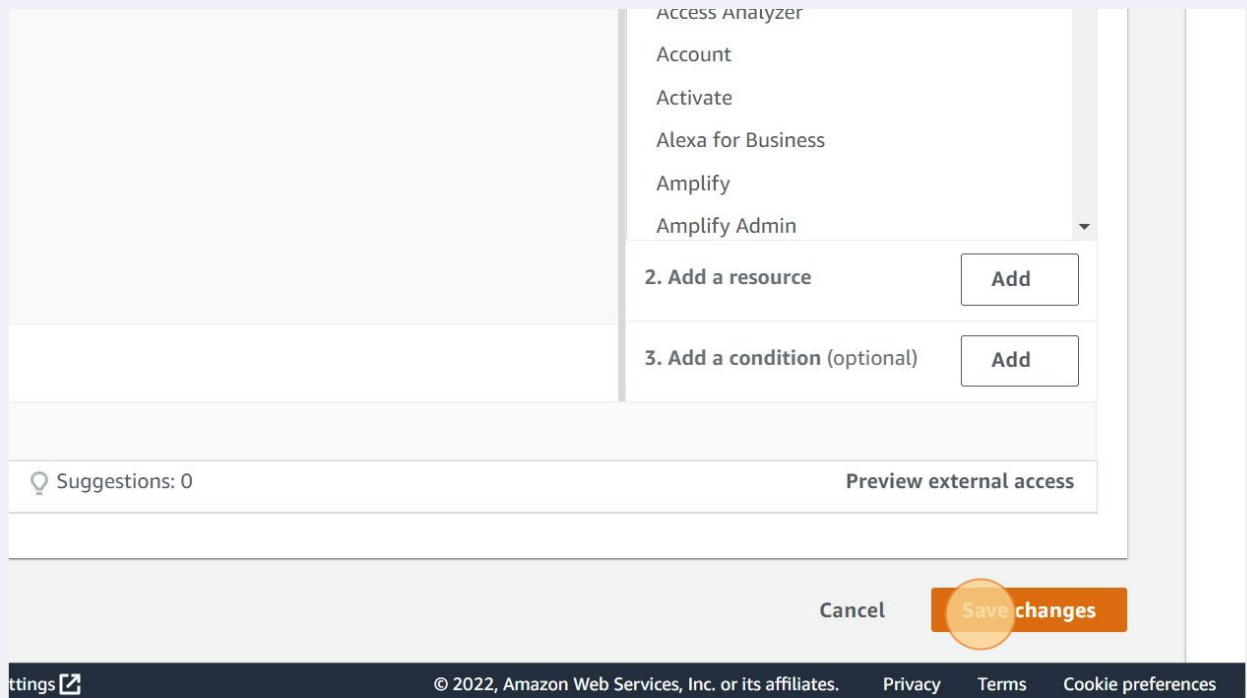
arn:aws:s3:::beachwavebucket2

Policy

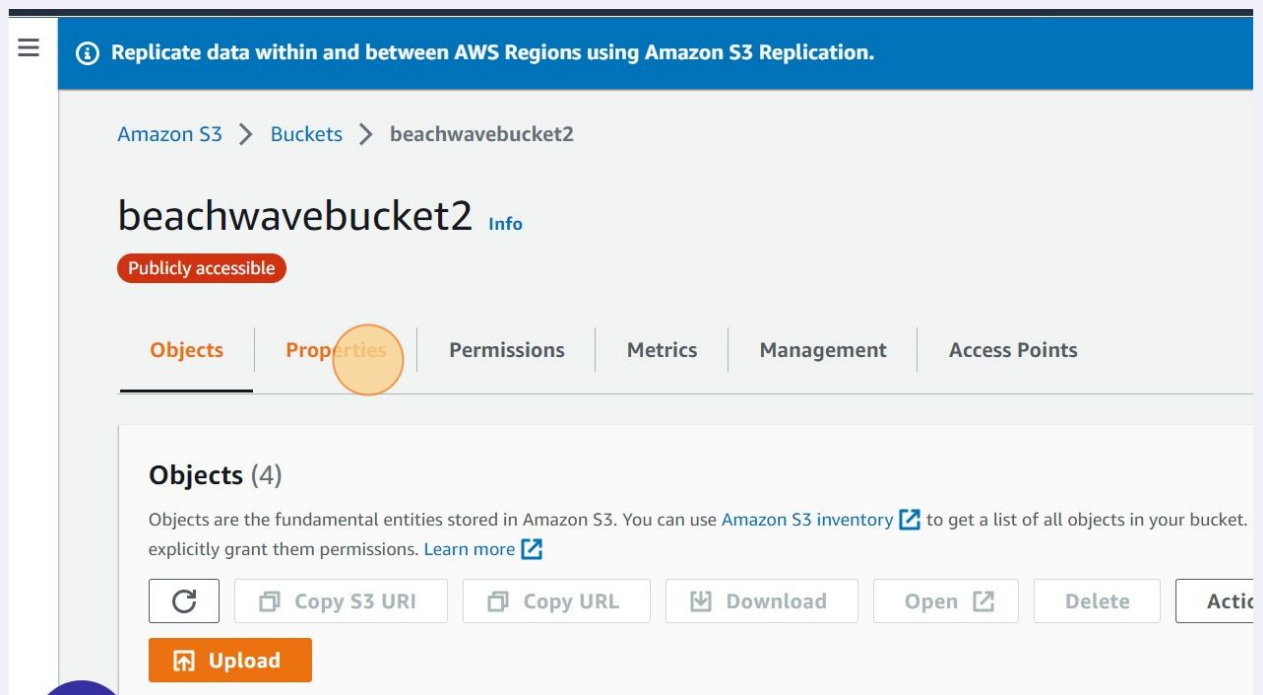
```
1 {
2   "Id": "StaticWebPolicy",
3   "Version": "2012-10-17",
4   "Statement": [
5     {
6       "Sid": "S3GetObjectAllow",
7       "Action": [
8         "s3:GetObject"
9       ],
10      "Effect": "Allow",
11      "Resource": "Your_Bucket_Arn/*",
12      "Principal": "*"
13    }
14  ]
```

Feedback Looking for language selection? Find it in the new Unified Settings © 2022, Amazon Web Services

31 Click "Save changes"



32 Click "Properties"



33

Click here.

Disabled

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://beachwavebucket2.s3-website-us-east-1.amazonaws.com>



Feedback

Looking for language selection? Find it in the new [Unified Settings](#)

© 2022, Amazon Web Services