

Static website hosting on AWS

Lab experiment no 4

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22BRS1117

Firstly we need to create an aws s3 bucket

Amazon S3 > Buckets > Create bucket

Create bucket [info](#)

Buckets are containers for data stored in S3.

General configuration

AWS Region
Asia Pacific (Sydney) ap-southeast-2

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/profile

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

Change it to a proper and unique name keep all the settings as default settings

Amazon S3 > Buckets > Create bucket

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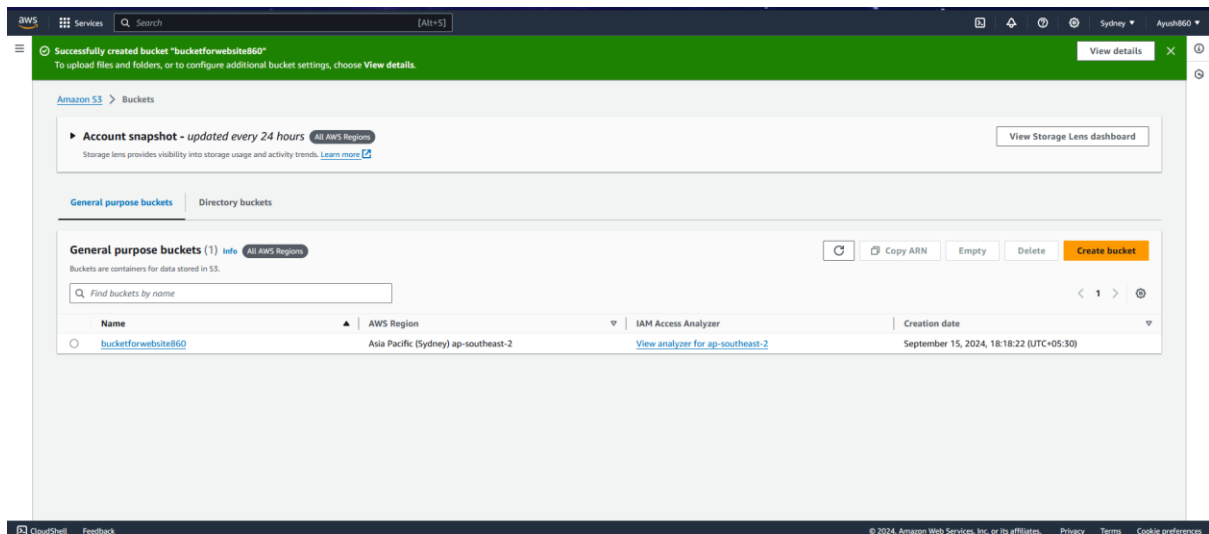
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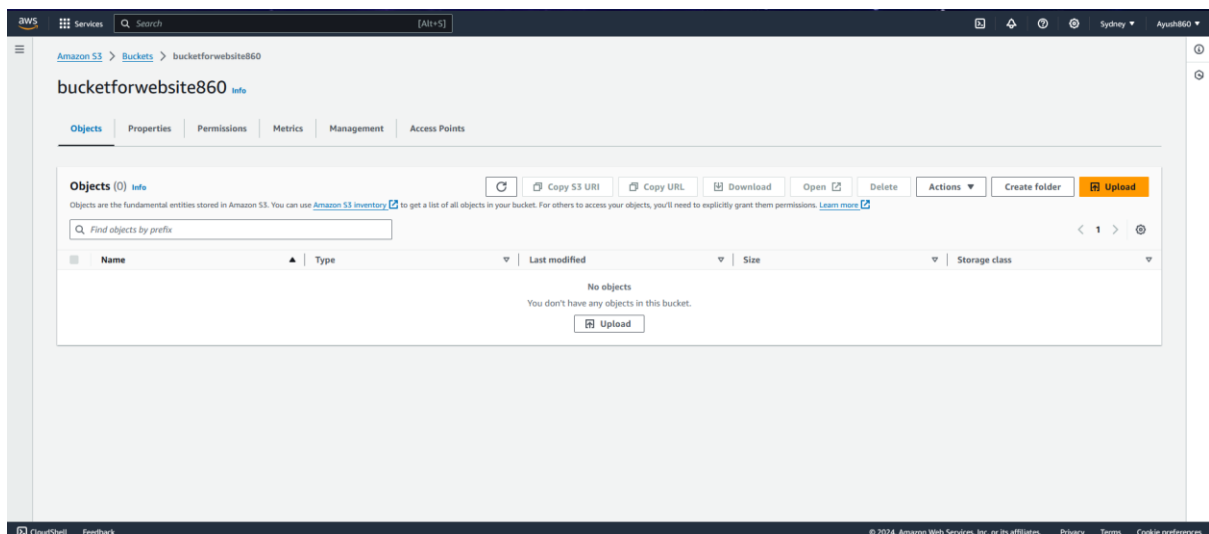
☐ **ACLs enabled**
Objects in this bucket can be owned by other AWS accounts. Access to this bucket and its objects can be specified using ACLs.

Object Ownership
Bucket owner enforced

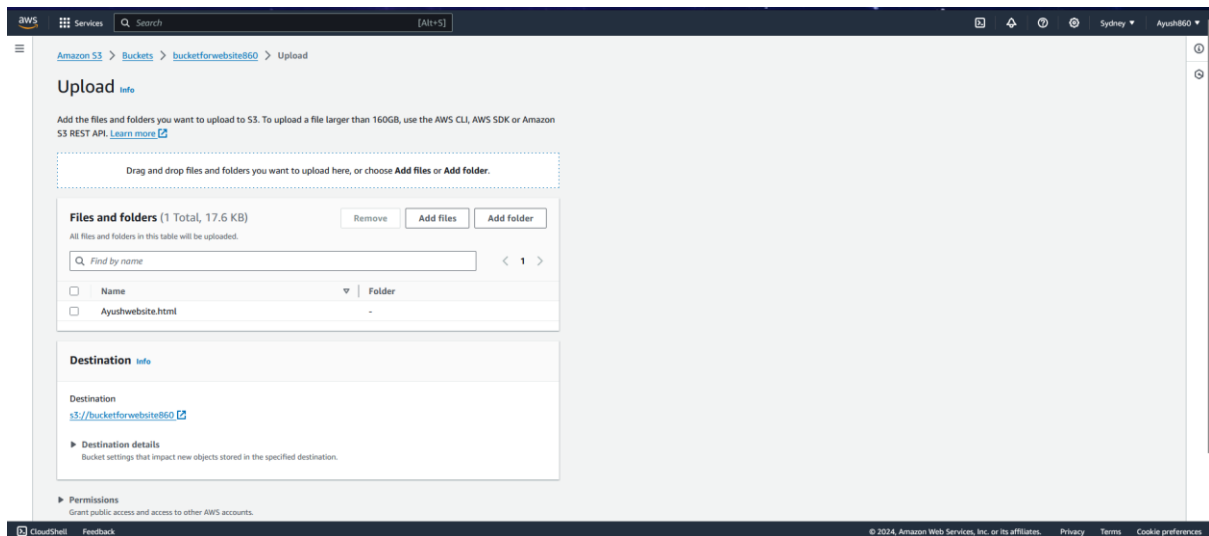
We can see the bucket was created successfully



Click on the bucket link and then we can see we opened the bucket

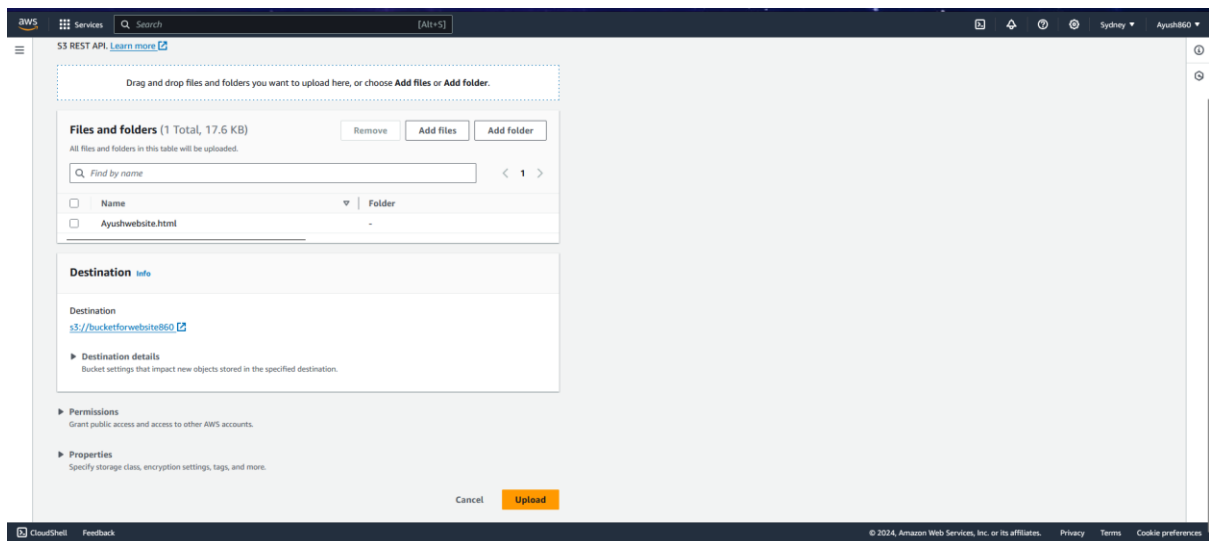


Choose the file from the given folder

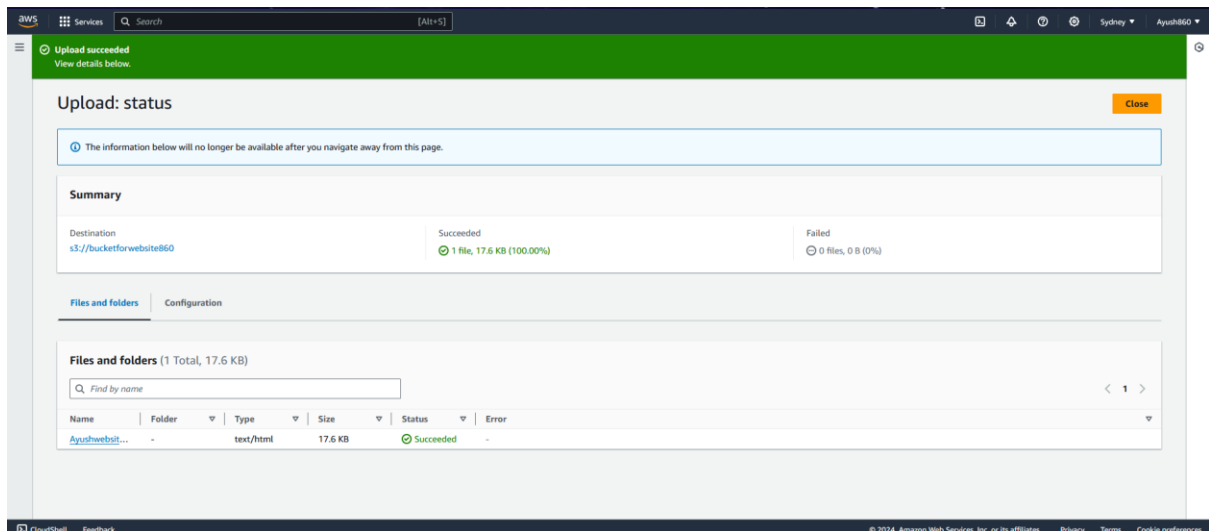


And now we can see the file has been selected

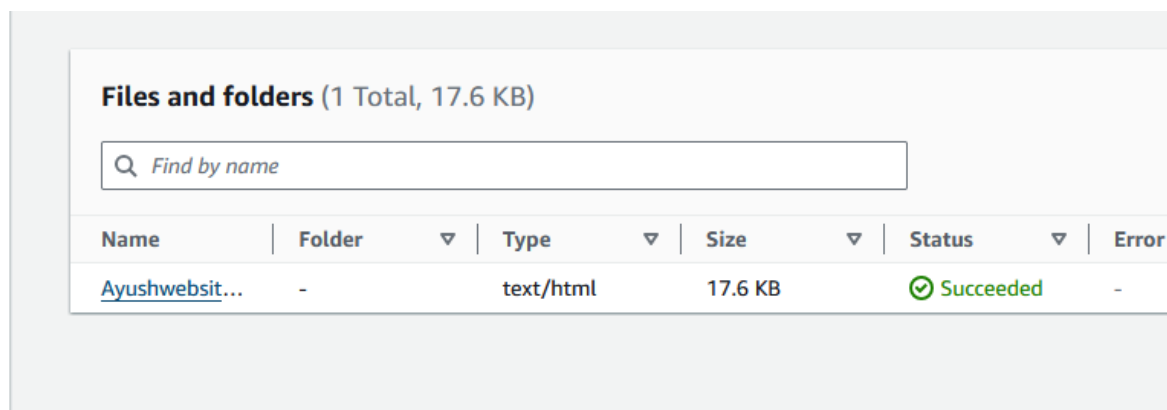
Now next step is click on upload



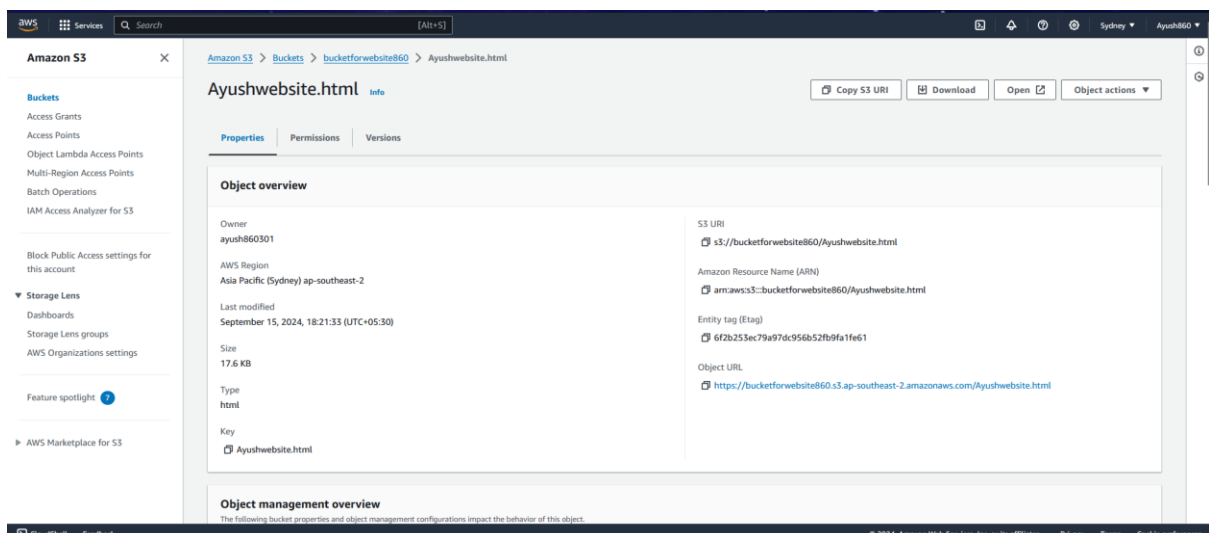
And we can see the file upload is successful



Now click on the html web page that u just uploaded



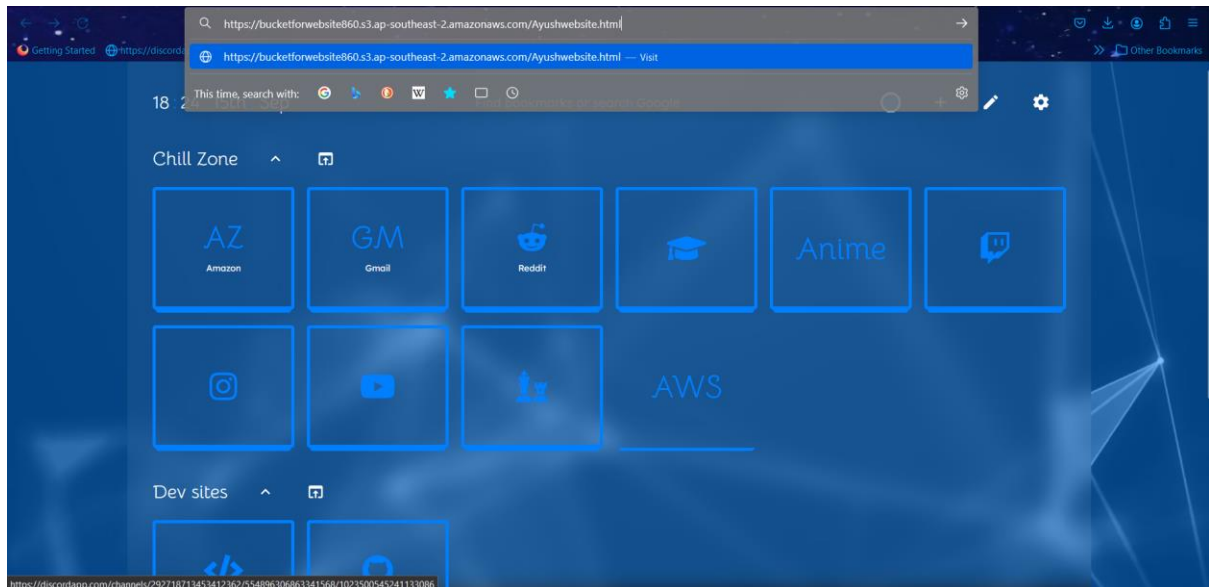
We can see the link for the actual web page from aws side



The link is –

<https://bucketforwebsite860.s3.ap-southeast-2.amazonaws.com/Ayushwebsite.html>

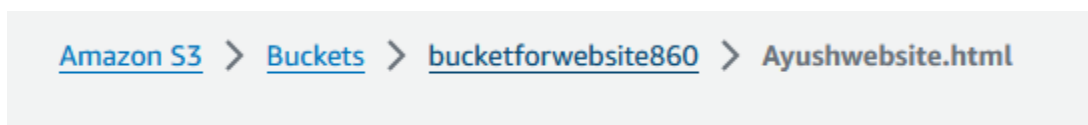
lets try to access



We see this means access was denied

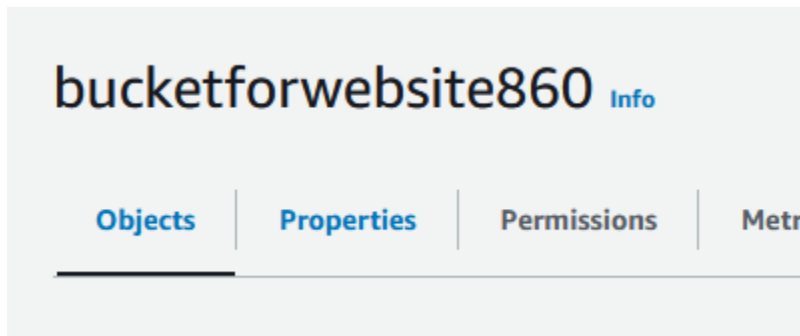
To resolve this

Click on the bucket



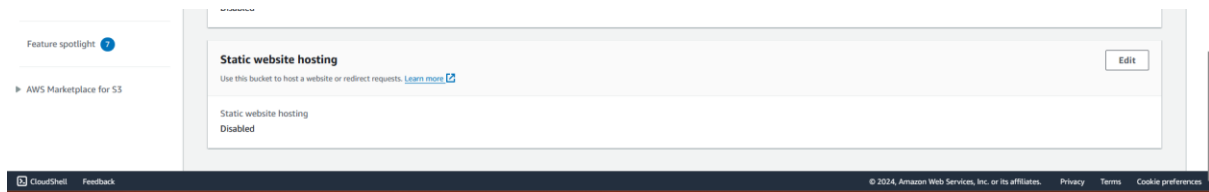
Bucketforwebsite860

And there click on properties

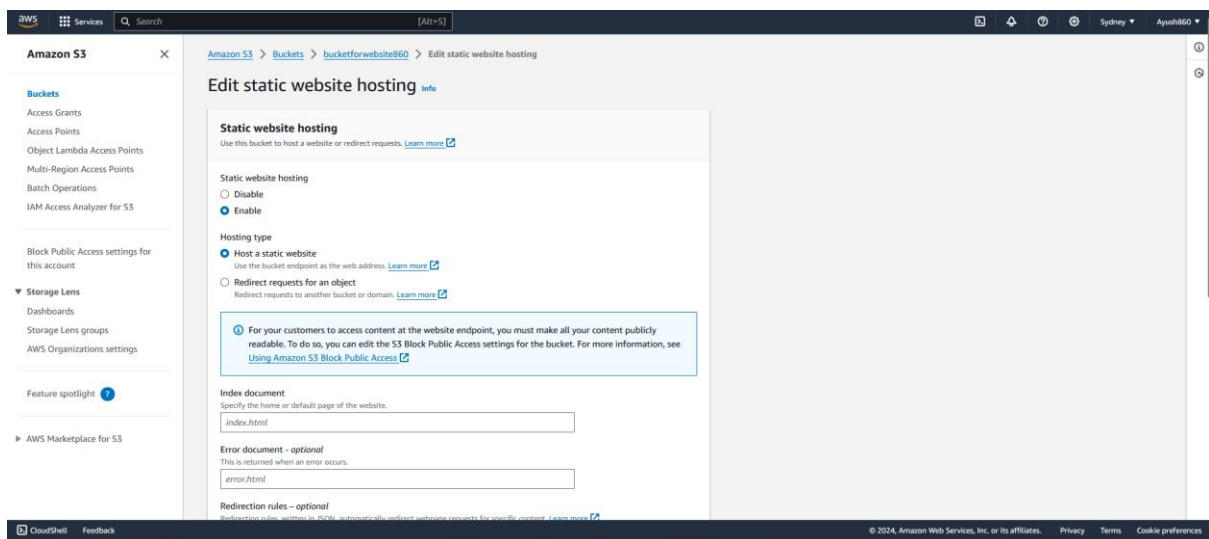


Scroll down to static website hosting

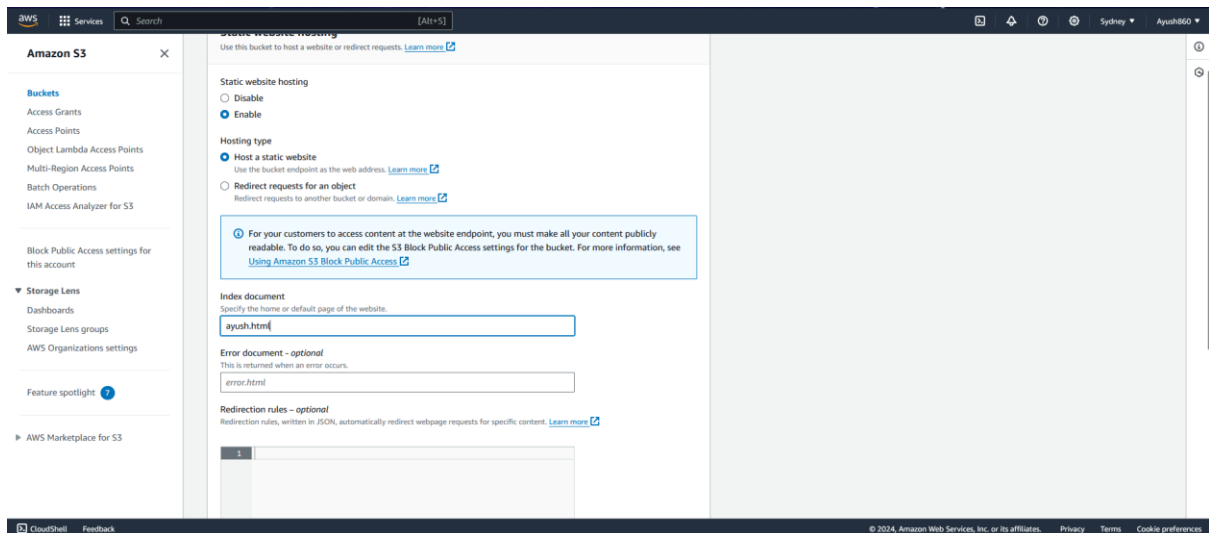
Click on edit



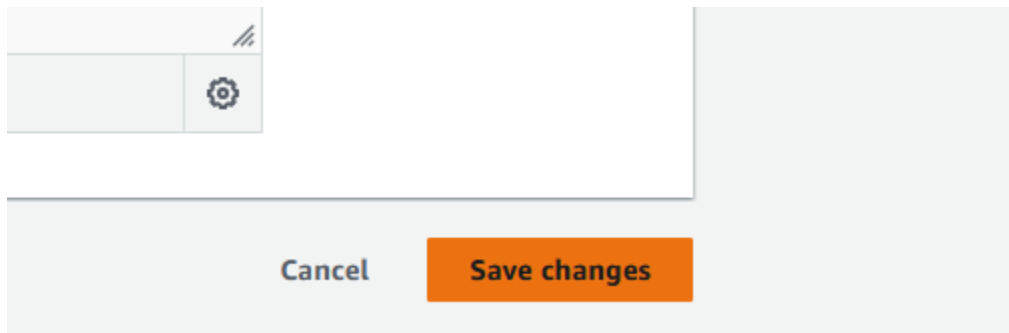
Click on enable



Now give a name to yr website



Now save changes



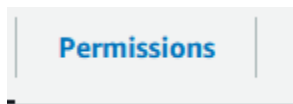
But still we are unable to access



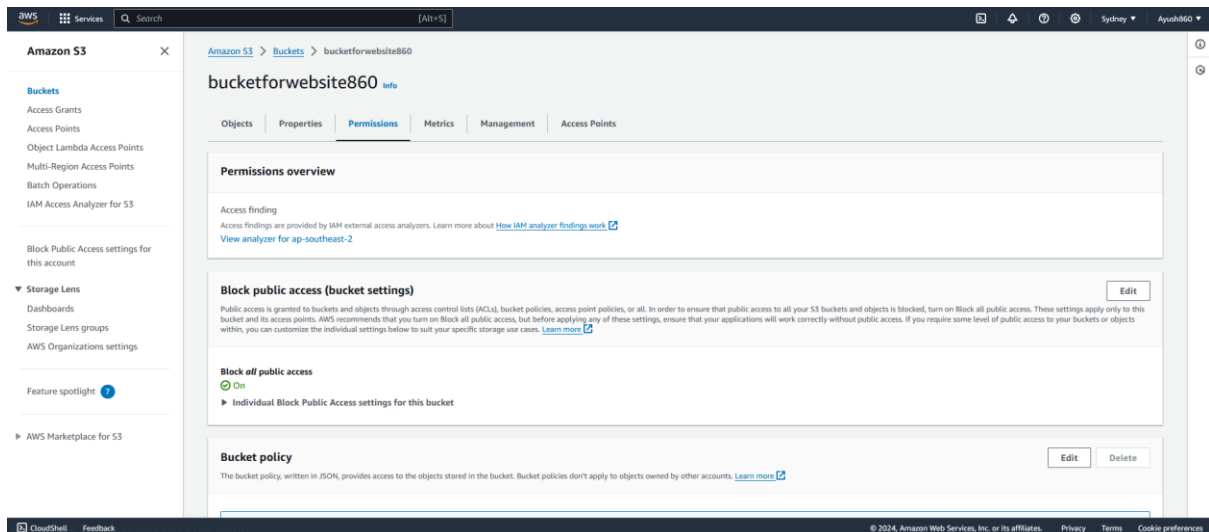
To resolve this

Go back to bucket

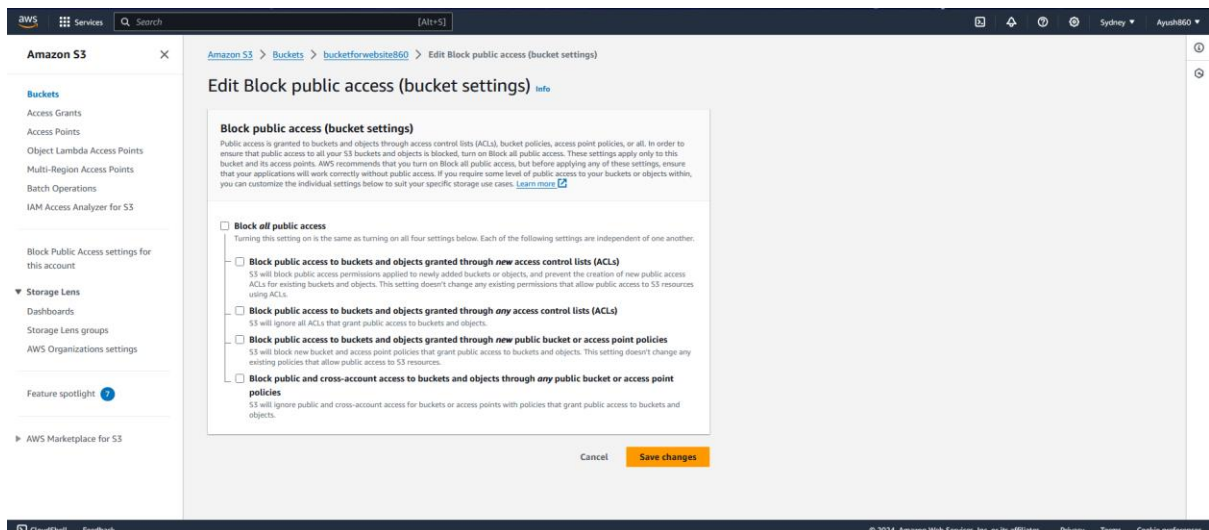
Click on permissions



From here click on edit on block public access

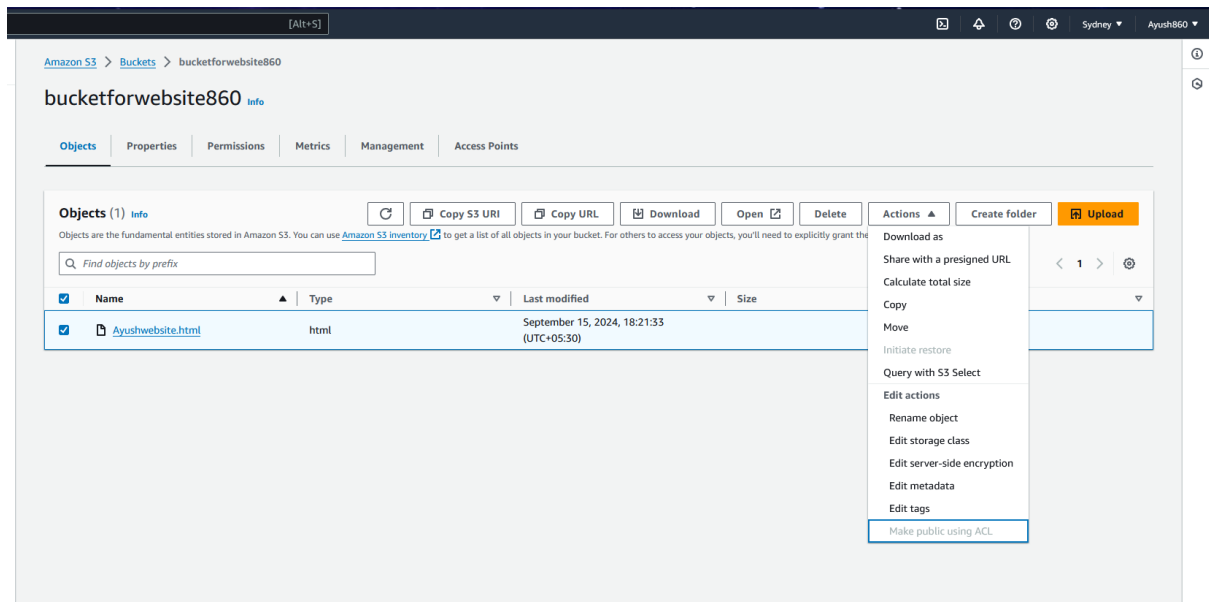


Uncheck the box for block public access



Click on save changes

Still we are not able to see for that we need to click on the objects and then click on actions and click on make public using acl

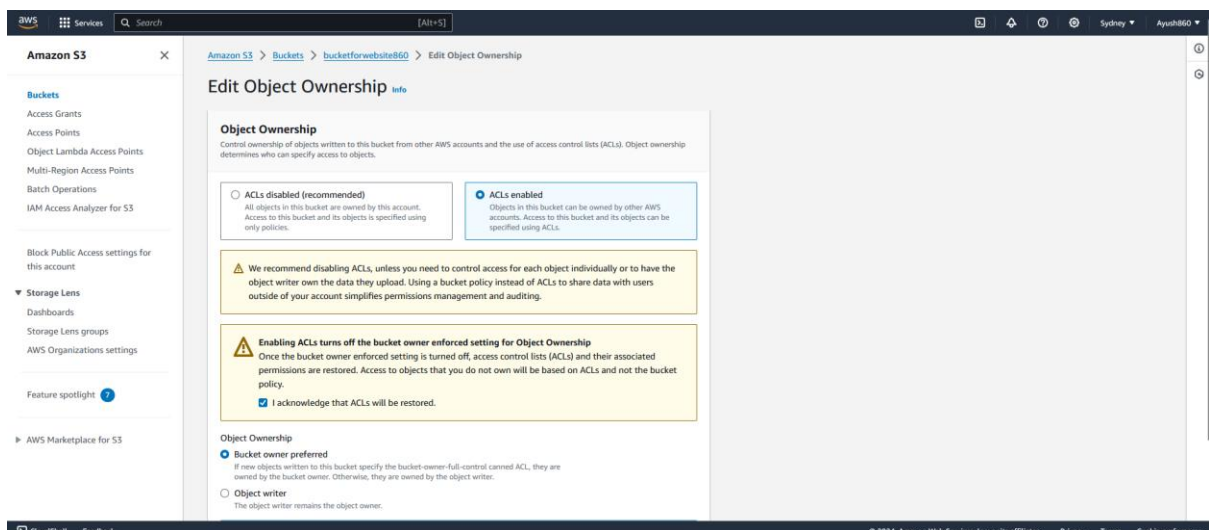
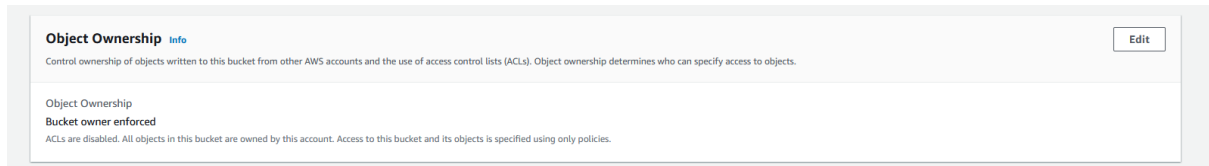


But to do this we need to add permissions

Go to permissions

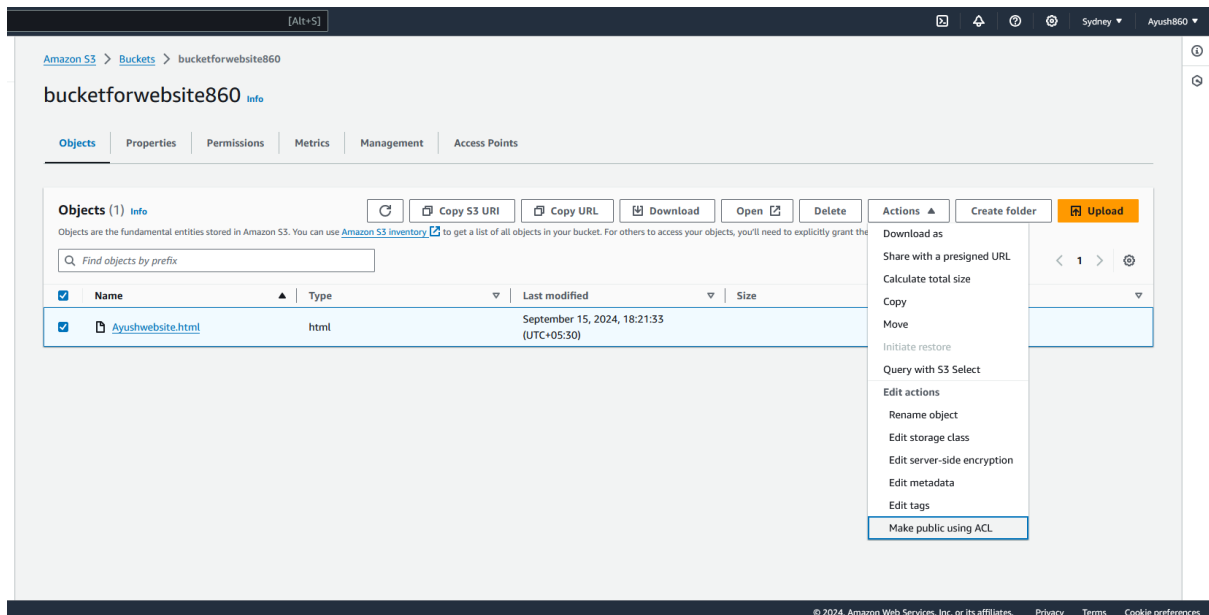
Object ownership edit

Acl enabled

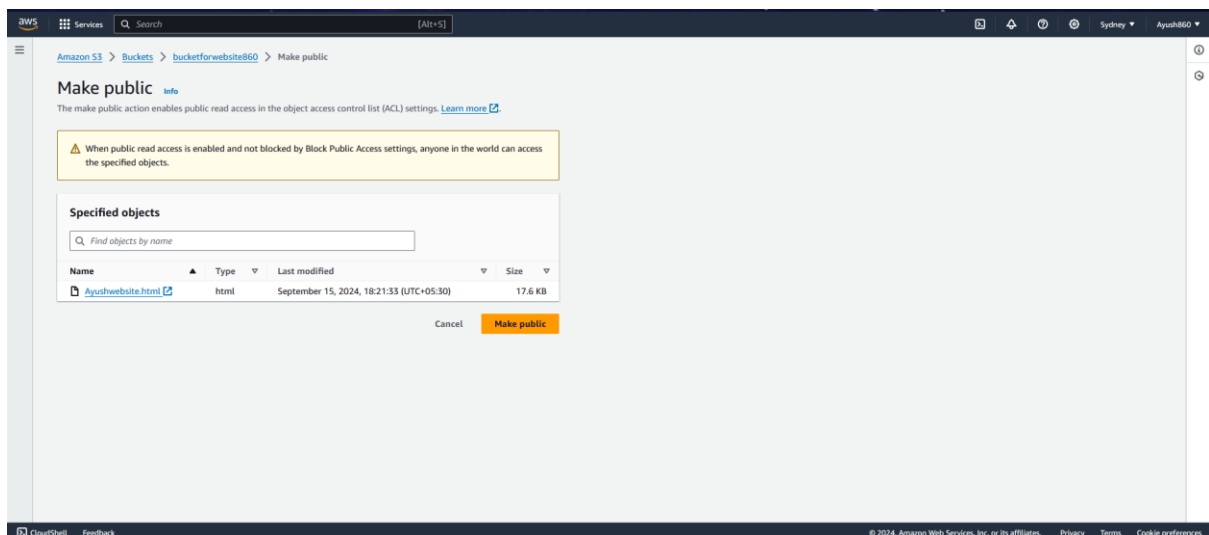


Save changes

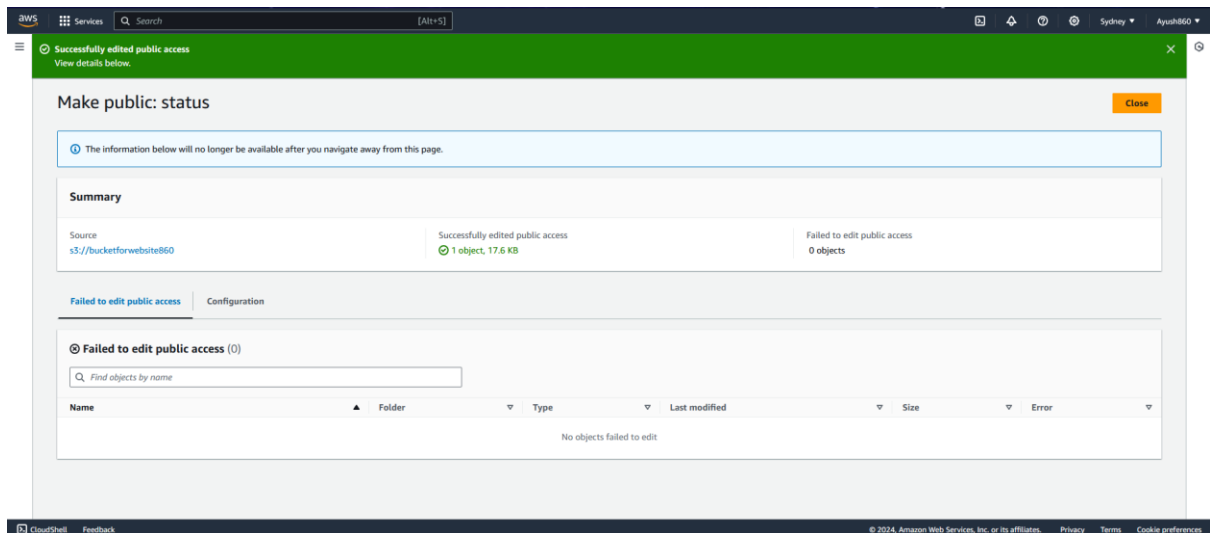
Now go back and repeat the last process and



then click on make public



We can see public access has been given



Now go to the link and refresh

We can see the website is hosting



Hello Vitians, I am Ayush Raj



Thank you