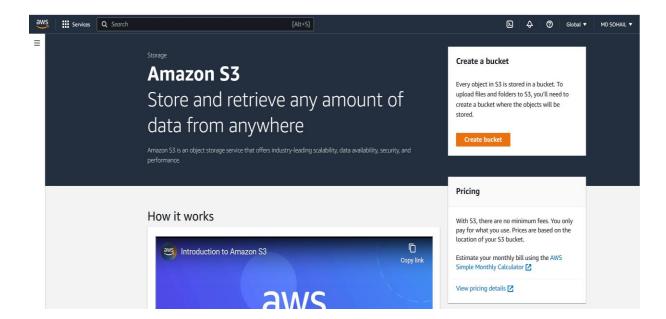
Assignment 4

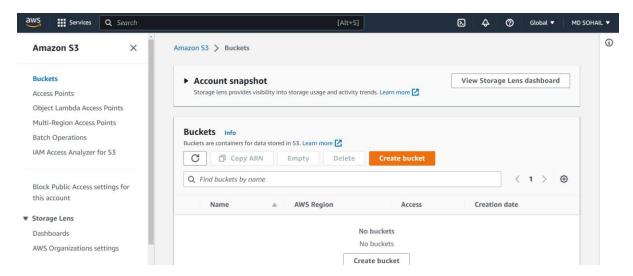
Create a private bucket in AWS. Upload a file and check that through presigned URL you can access the file or not.



- 1. Open the Amazon Web Services home page (aws.amazon.com).
- 2. Choose Sign into Console.
- 3. Sign in as **Root user** using your email address and password.
- 4. Go to search and search S3 (S3: Simple Storage Service).



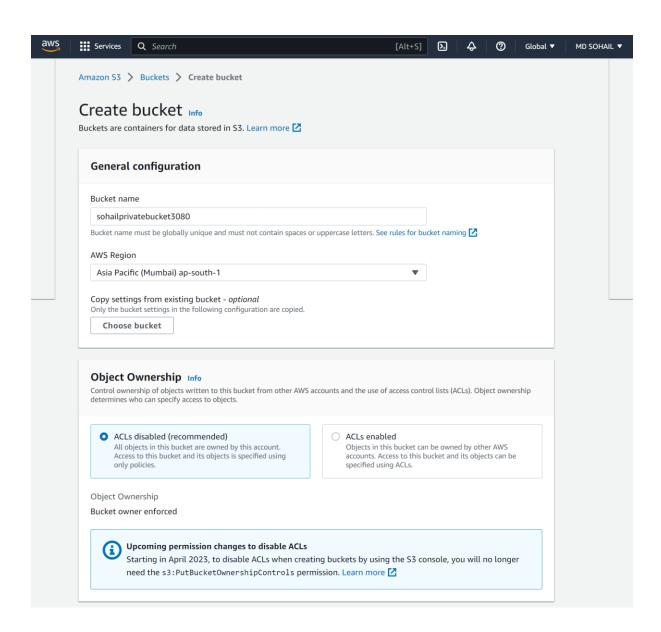
or, go to buckets on the side panel and click on side panel. And click on Create bucket.

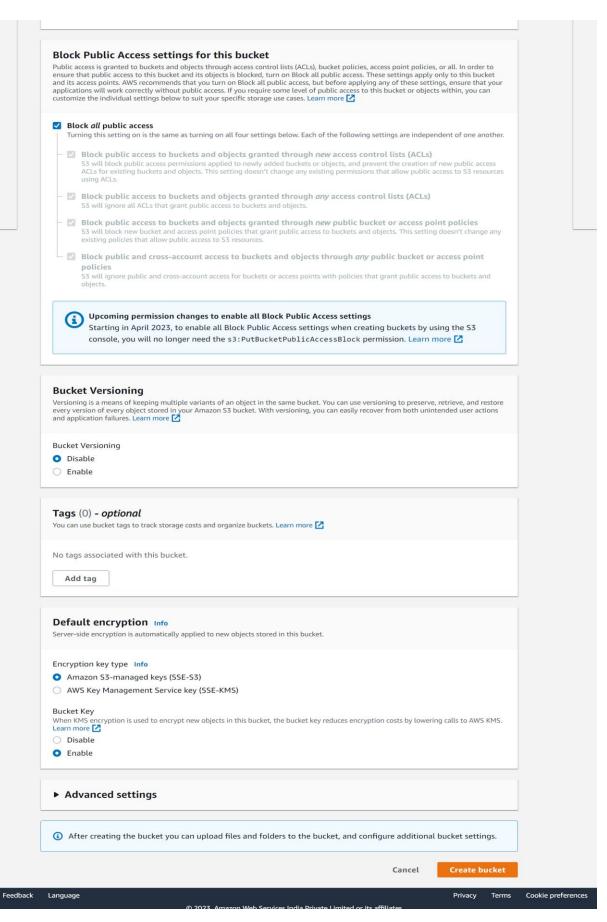


5. In **Create bucket** page:

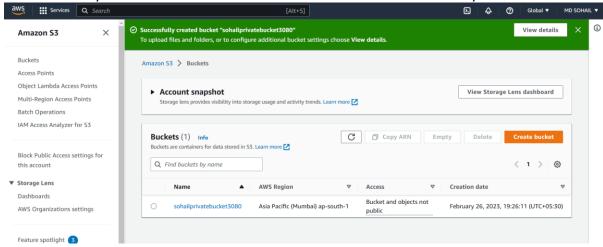
Give globally unique name as it is created globally.

- Give the Bucket namein the General configuration section.
- Select **ACL Disabled** in the Object Ownership section.
- Check Block all public access in the Block Public Access settings for this bucket section.

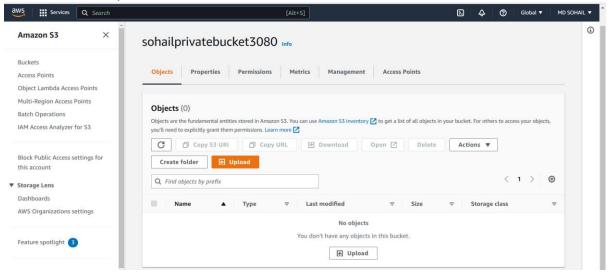




6. Now check your bucket will be created. Next Click on the bucket that you have created.

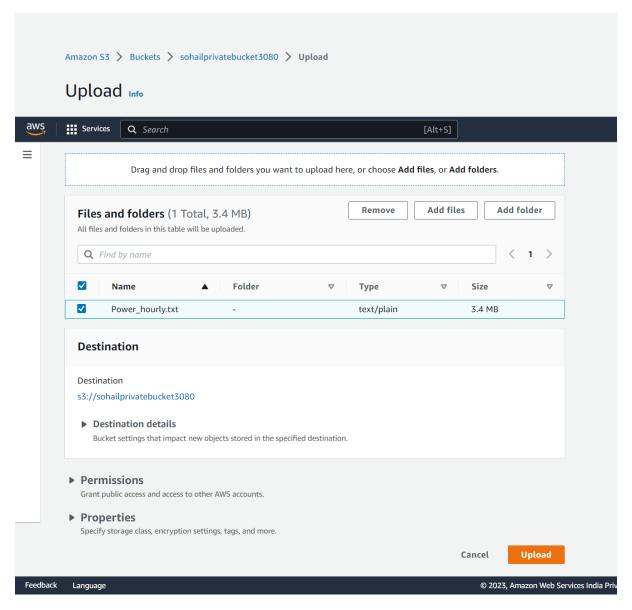


7. Then click on upload.

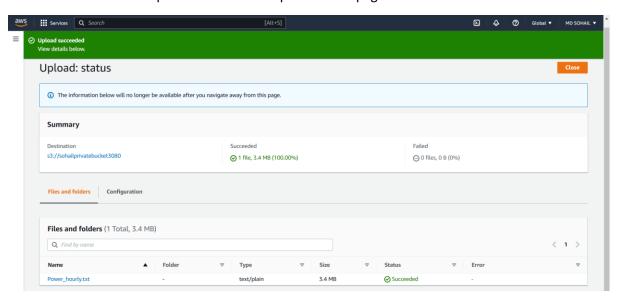


8. In Upload page:

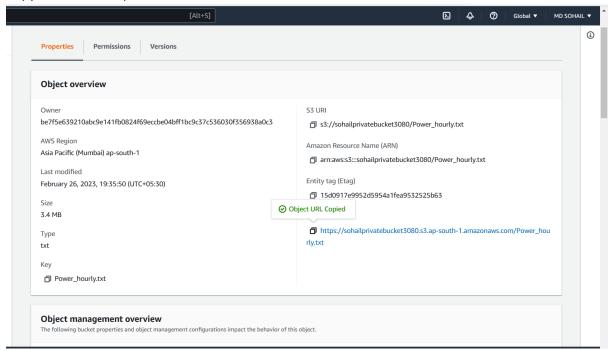
Click on **Add files** to upload a file, select the file and click on **Upload**.



9. Then click on the file uploaded file on the upload status page.



Copy the URL and open in new tab.



You can see Object URL cannot be accessed.

C https://sohailprivatebucket3080.s3.ap-south-1.amazonaws.com/Power_hourly.txt

This XML file does not appear to have any style information associated with it. The document tree is shown below.

```
\Ccode>AccessDenied</Code>
<Code>AccessDenied</Code>
<Message>Access Denied</Message>
<RequestId>XCP6NA7PXHF06CRM</RequestId>
<HostId>+HB3J6XJp2ge0EDAb6z5szx+hWStP4BNb8fYY5Iv6cx3uoqZxw8letoPLboDRALBXCEICPMh2Fo5sleocJevJA==</HostId>
</Foron>
```

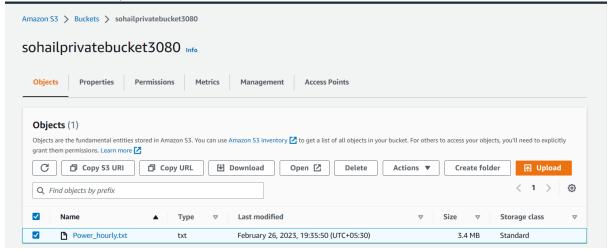
10. Go back to bucket.

Amazon S3 > Buckets > sohailprivatebucket3080 > Power_hourly.txt

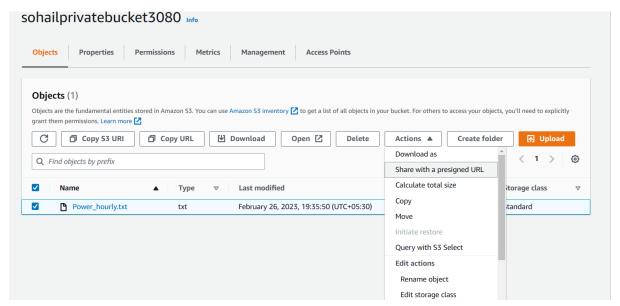
Power_hourly.txt Info

Copy S3 URI

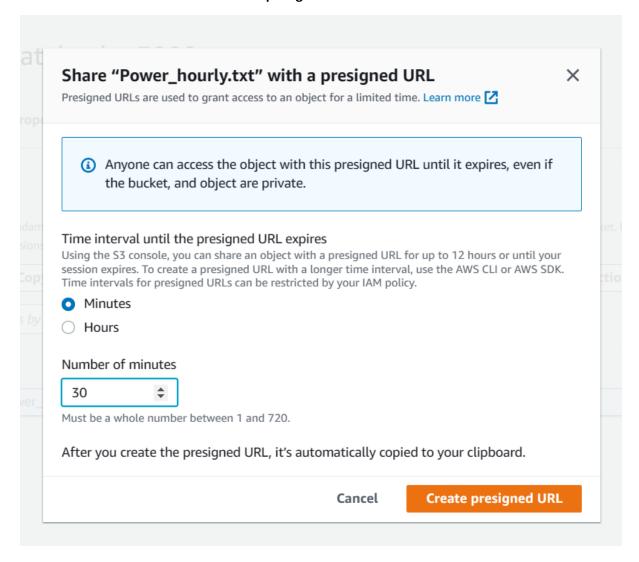
11. Select the file uploaded.



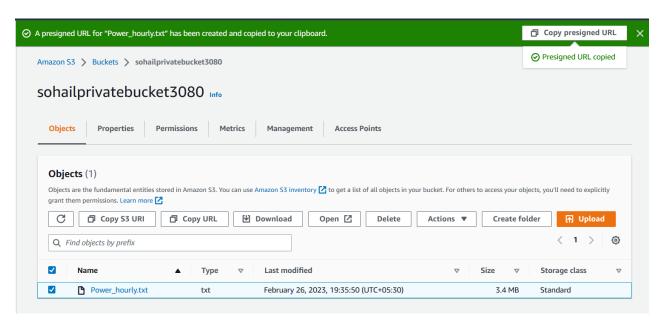
12. Then Click on action and select Share with a presigned URL.



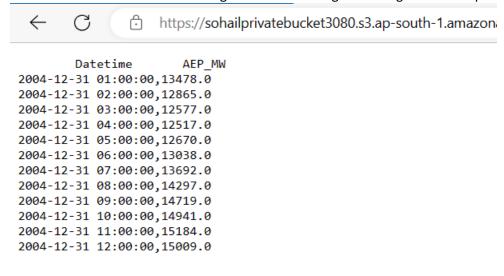
13. Give a time duration and click Create presigned URL.



14. Copy the **presigned URL**. Go to another browser and paste the URL [We create a presigned URL because we want give a permission for a time to a private bucket].



You can access the file now for the given duration assigned during creation of presigned URL.



Assignment 5

Create a public bucket in AWS. Upload a file and give the necessary permission to check the file URL is working or not.

 \rightarrow

- 1. Open the Amazon Web Services home page (aws.amazon.com).
- 2. Choose Sign into Console.
- 3. Sign in as **Root user** using your email address and password.
 - 4. Go to search and search s3 (S3: simple storage service).

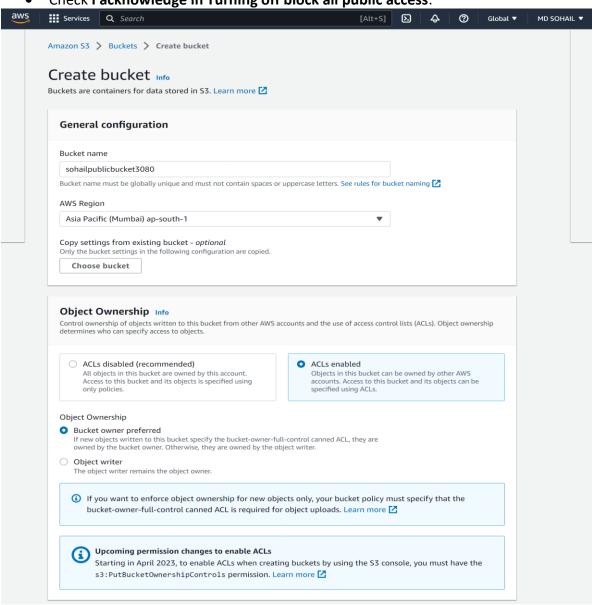
or, go to buckets on the side panel and click on side panel. And click on Create bucket.

5. In **Create bucket** page:

Give globally unique name as it is created globally.

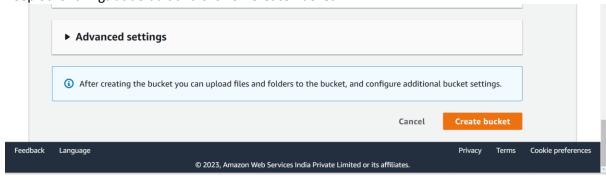
- Give the Bucket name in the General configuration section.
- Select **ACL enabled** in the Object Ownership section.
- Uncheck Block all public access in the Block Public Access settings for this bucket section.

Check I acknowledge in Turning off block all public access.

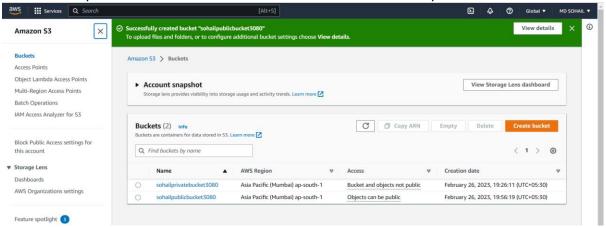


Public ac ensure the and its a applicati	Public Access settings for this bucket tess is granted to buckets and objects through access control lists (ACLs), bucket policies, access point policies, or all. In order to at public access to this bucket and its objects is blocked, turn on Block all public access. These settings apply only to this bucket cess points. AWS recommends that you turn on Block all public access, but before applying any of these settings, ensure that your ons will work correctly without public access. If you require some level of public access to this bucket or objects within, you can e the individual settings below to suit your specific storage use cases. Learn more
	k all public access ng 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 <i>new</i> access control lists (ACLs) 63 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 53 resources using ACLs.
	Block public access to buckets and objects granted through any access control lists (ACLs) 33 will ignore all ACLs that grant public access to buckets and objects.
	Block public access to buckets and objects granted through <i>new</i> public bucket or access point policies 33 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 53 will ignore public and cross-account access for buckets or access points with policies that grant public access to buckets and objects.
A	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.
	Starting in April 2023, to disable any Block Public Access setting when creating buckets by using the S3 console, you must have the s3:PutBucketPublicAccessBlock permission. Learn more 🖸
Versionii every ve	
Versionii every ve and appl	t Versioning g is a means of keeping multiple variants of an object in the same bucket. You can use versioning to preserve, retrieve, and restore sion of every object stored in your Amazon S3 bucket. With versioning, you can easily recover from both unintended user actions cation failures. Learn more
Versionii every ve and appl	t Versioning g is a means of keeping multiple variants of an object in the same bucket. You can use versioning to preserve, retrieve, and restore sion of every object stored in your Amazon S3 bucket. With versioning, you can easily recover from both unintended user actions cation failures. Learn more
Versionii every ve and appl Bucket Disa Ena	t Versioning g is a means of keeping multiple variants of an object in the same bucket. You can use versioning to preserve, retrieve, and restore sion of every object stored in your Amazon S3 bucket. With versioning, you can easily recover from both unintended user actions cation failures. Learn more
Versionii every ve and appl Bucket Disa Ena Tags You can	t Versioning g is a means of keeping multiple variants of an object in the same bucket. You can use versioning to preserve, retrieve, and restore sion of every object stored in your Amazon S3 bucket. With versioning, you can easily recover from both unintended user actions cation failures. Learn more Versioning ble ble ole
Versionii every ve and appl Bucket Disa Ena Tags You can	t Versioning g is a means of keeping multiple variants of an object in the same bucket. You can use versioning to preserve, retrieve, and restore sion of every object stored in your Amazon S3 bucket. With versioning, you can easily recover from both unintended user actions cation failures. Learn more (2) Versioning ble ble ble cole O) - optional see bucket tags to track storage costs and organize buckets. Learn more (2) associated with this bucket.
Versionii every ve and appl Bucket Disa Ena Tags You can No tags	t Versioning g is a means of keeping multiple variants of an object in the same bucket. You can use versioning to preserve, retrieve, and restore sion of every object stored in your Amazon S3 bucket. With versioning, you can easily recover from both unintended user actions cation failures. Learn more (2) Versioning ble ble ble cole O) - optional see bucket tags to track storage costs and organize buckets. Learn more (2) associated with this bucket.
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Versionii every ve and appl Bucket Disa Ena Tags You can No tags Add Defau Server-si Encrypti AW Bucket	t Versioning g is a means of keeping multiple variants of an object in the same bucket. You can use versioning to preserve, retrieve, and restore sion of every object stored in your Amazon S3 bucket. With versioning, you can easily recover from both unintended user actions cation failures. Learn more Versioning ble ole O) - optional associated with this bucket. tag It encryption Info de encryption is automatically applied to new objects stored in this bucket. In on key type Info izon S3-managed keys (SSE-S3) is Key Management Service key (SSE-KMS) Key Service in this bucket, the bucket key reduces encryption costs by lowering calls to AWS KMS. The content of the content of the same bucket, we reduced the content of

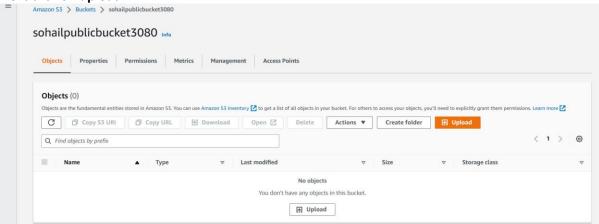
Keep other things at default and click on Create Bucket.



6. Now check your bucket will be created. Next Click on the bucket that you have created.

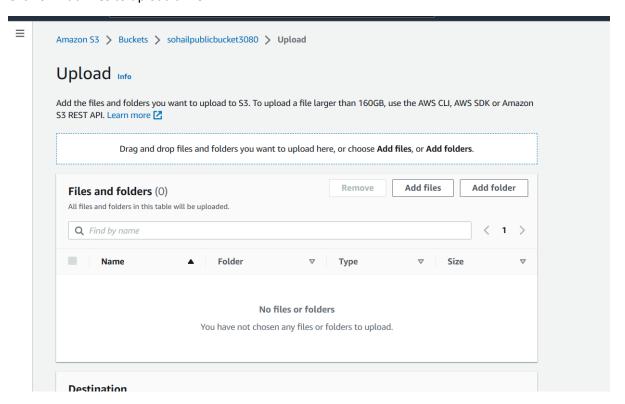


Next click on upload.

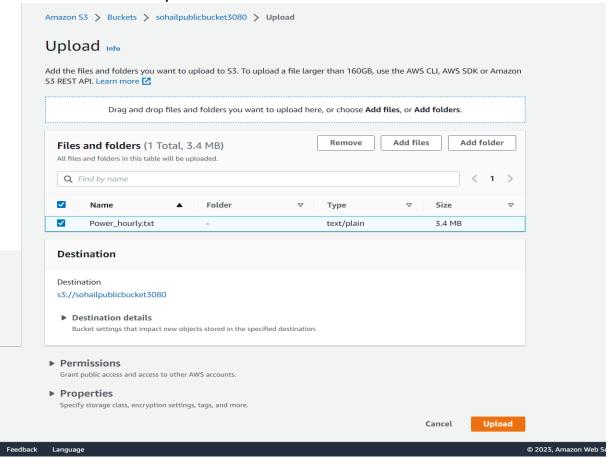


7. In Upload page:

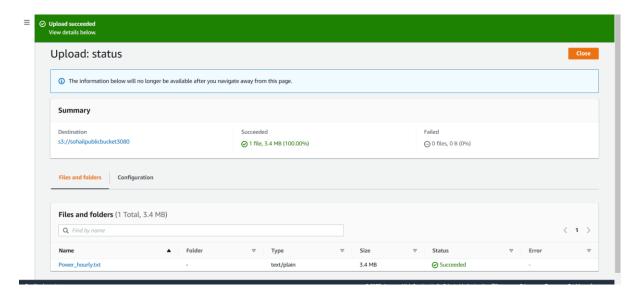
Click on Add files to upload a file.



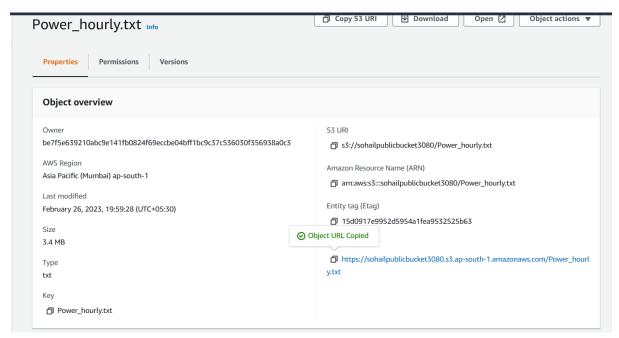
Select the file and click on Upload.



Then click on the file uploaded file on the upload status page.



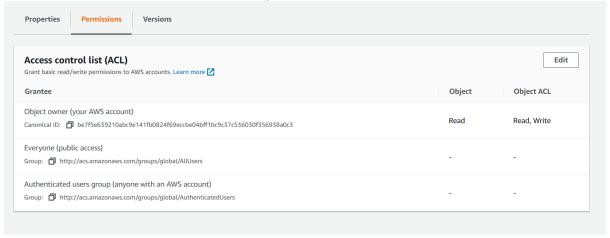
Copy the URL and open in new tab.



You can see Object URL cannot be accessed.

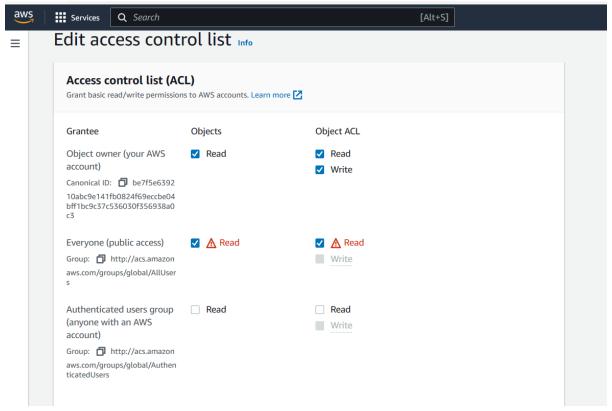
This XML file does not appear to have any style information associated with it. The document tree is shown below.

8. Next Go to **Permission** tab beside the Properties tab (it shows access control list).

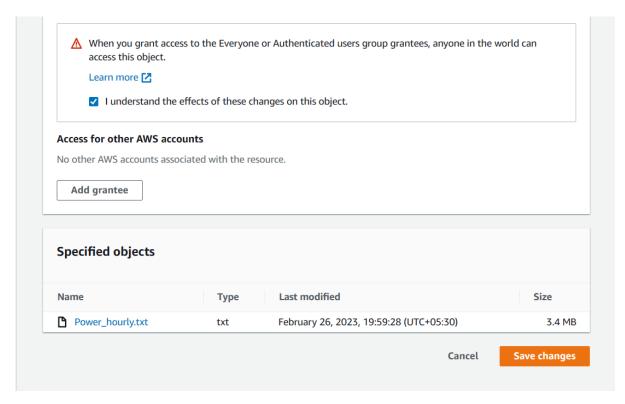


Next Click on Edit.

9. Under ACL section, In Everyone (public access), check two read boxes.



10. Then check I understand the effects of these changes on this object. **Next Click** on **Save changes**.



11. Now Refresh the object URL open in another browser you can access the file now.

