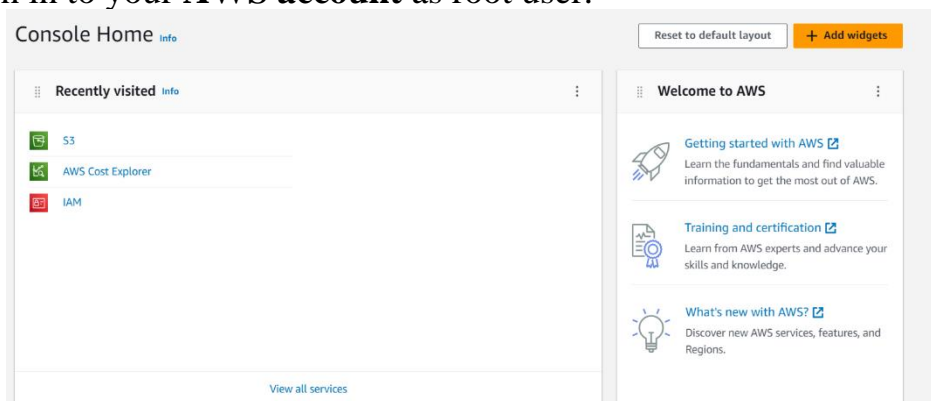


Assignment 5

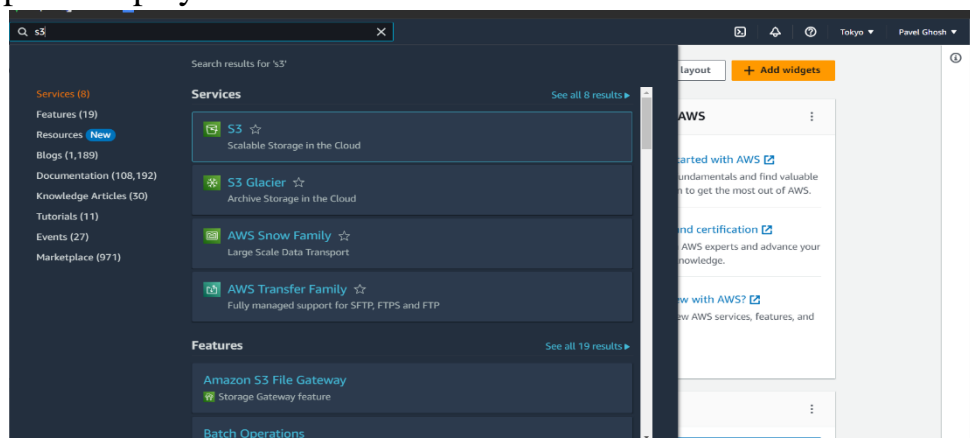
Problem Statement: Create a public bucket in AWS. Upload a file and give the necessary permission to check the file URL is working or not.

Procedure:

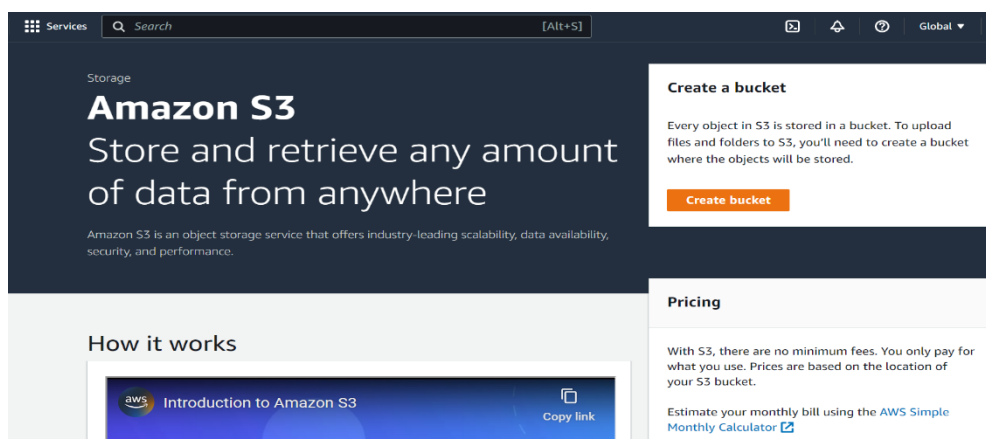
1. Sign in to your **AWS account** as root user.



2. Now in the **homepage** search for **S3** in the **search box** and then select the first option displayed.



3. After clicking on it, you will be redirected to the **Amazon S3** homepage. There we have to click on the **create bucket** button on the right-hand side.

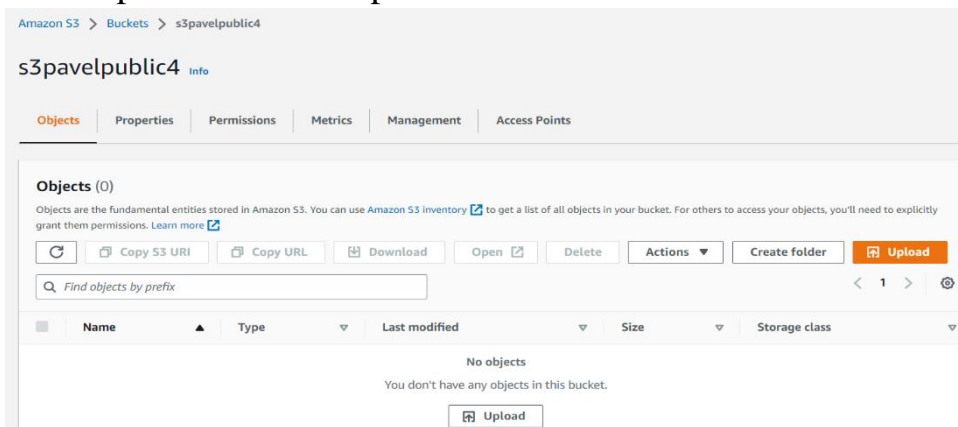


4. Next you will go to the **Create bucket screen** where you have to configure your bucket before creating it.
- Choose a globally unique name for your bucket. It should NOT contain any spaces or any uppercase letters.
 - Select the **AWS Region** as **Asia Pacific (Mumbai) ap-south-1**. **Remember** you can avail other options but each server region has **different pricing** associated with it. Since, we are **living in India**, we are choosing the one **closest to us** to remain fairly priced.
 - Next, we go to Object Ownership section where we keep ACLs enabled option checked. We also keep “Bucket owner preferred” option checked in the object ownership choice
 - Next, we **UNCHECK** the Block all public access option.
 - Remember to check the “I acknowledge that the current settings might result in this bucket and the objects within becoming public” option just below.
 - Everything else remains unchanged.
 - Now click on the Create bucket button.

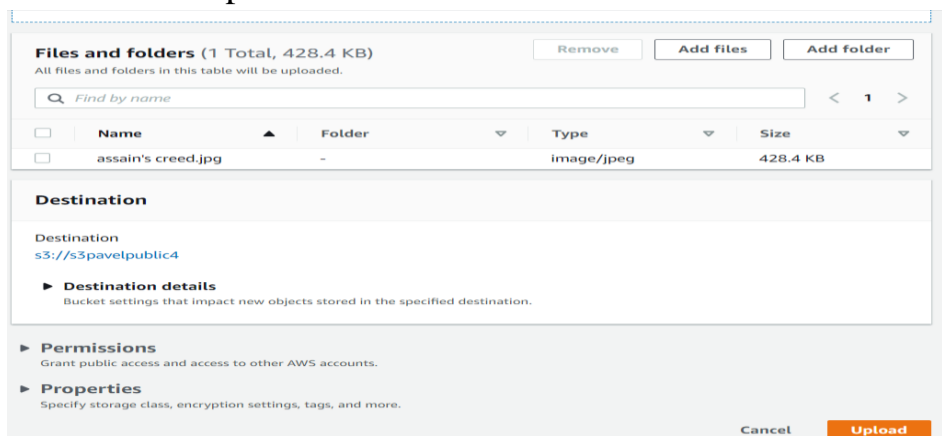
The screenshot shows the AWS 'Create bucket' page. At the top, there's a navigation bar with 'Services' and a search bar. Below it, the breadcrumb 'Amazon S3 > Buckets > Create bucket' is visible. The main heading is 'Create bucket' with an 'Info' link. A subtext says 'Buckets are containers for data stored in S3. Learn more'. The 'General configuration' section contains a 'Bucket name' input field with 's3pavelpublic4' entered, a note about globally unique names, an 'AWS Region' dropdown set to 'Asia Pacific (Tokyo) ap-northeast-1', and a 'Copy settings from existing bucket - optional' section with a 'Choose bucket' button.

The screenshot shows the 'Object Ownership' section of the 'Create bucket' page. It includes an 'Info' link and a description of object ownership. There are two radio button options: 'ACLs disabled (recommended)' and 'ACLs enabled'. The 'ACLs enabled' option is selected. Below this, the 'Object Ownership' section has two radio button options: 'Bucket owner preferred' (selected) and 'Object writer'. A blue information box at the bottom states: 'If you want to enforce object ownership for new objects only, your bucket policy must specify that the bucket-owner-full-control canned ACL is required for object uploads. Learn more'.

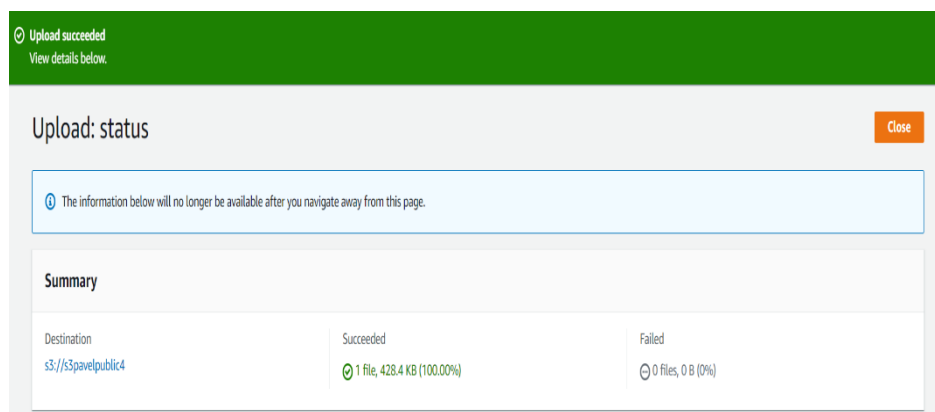
6. Now we click on our newly selected bucket (on the name).
7. Now we have successfully entered into our newly created bucket.
8. Click the Upload button to upload a file in our bucket.



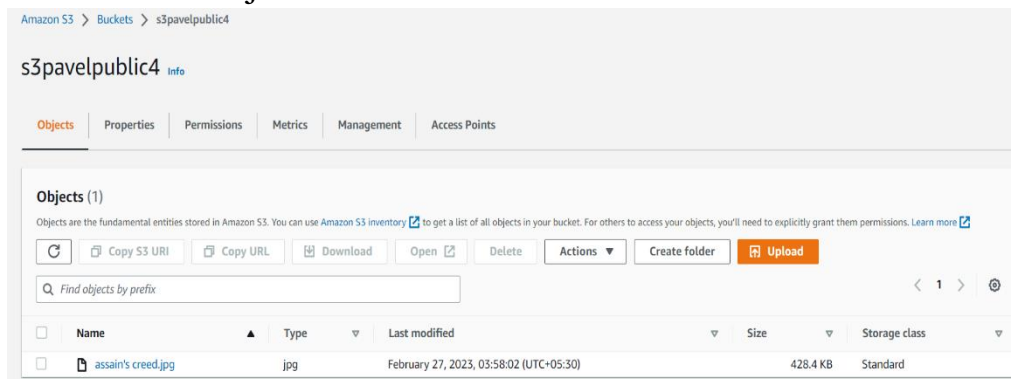
9. After clicking you will be redirected to the Upload page. Click on Add files button to add a file.
10. You will be shown a box to browse from your pc to upload a file. After selection click on upload button.



11. You will then be redirected to the upload status page where a status bar will be present showing the progress of your upload. After completion it will look like the following.

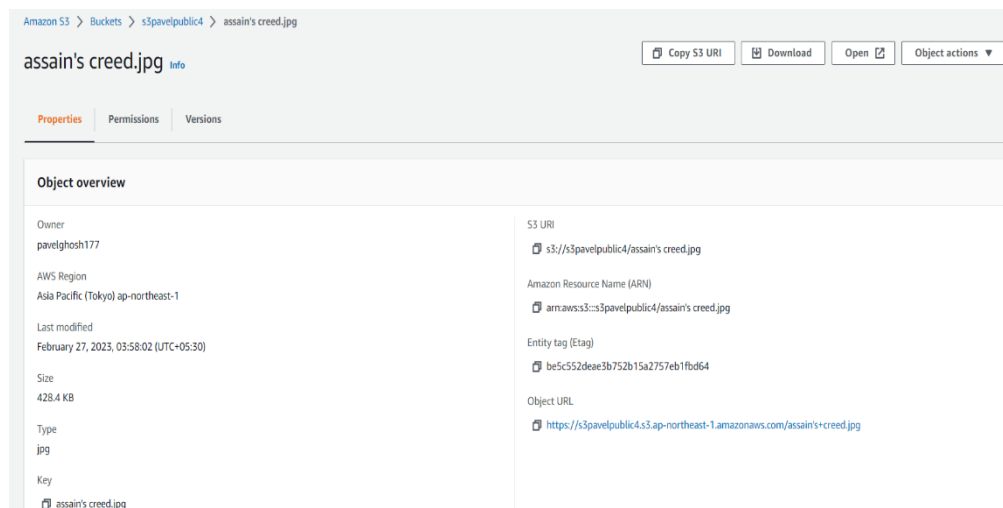


12. Close your status page. Now in the bucket page you will see the file you have uploaded in the objects section.



13. Now click on the file.

14. Scroll down and copy the Object URL.



15. Paste it in another browser.

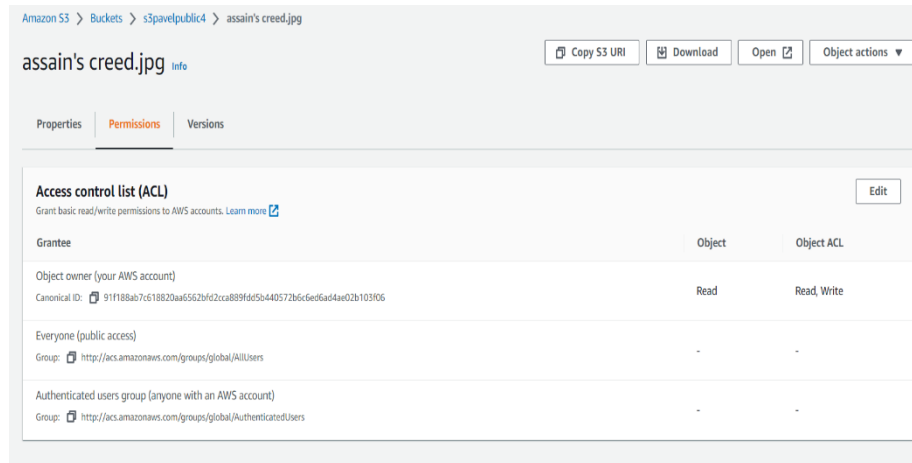
16. IT WILL SHOW ERROR.

This is because your uploaded file, though present in a public bucket, has to be given specific permission so that others can access it. Hence, it cannot be accessed by anyone other than you. Now, to let others access, you can change the permissions associated with your file using the ACL.

17. NOW WE WILL GIVE PERMISSIONS.....

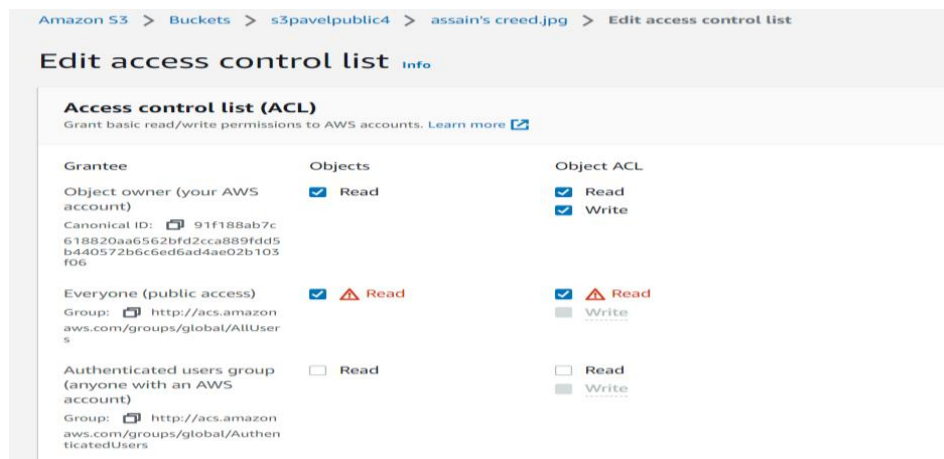
18. Scroll to the top and Click on the permissions bar on the top below the filename and beside the properties bar (in orange font).

19. You will arrive in the permissions section of your file. You will clearly see the first section as the ACL or Access Control List of your file. Now click on the Edit button on the right hand side of the ACL section.

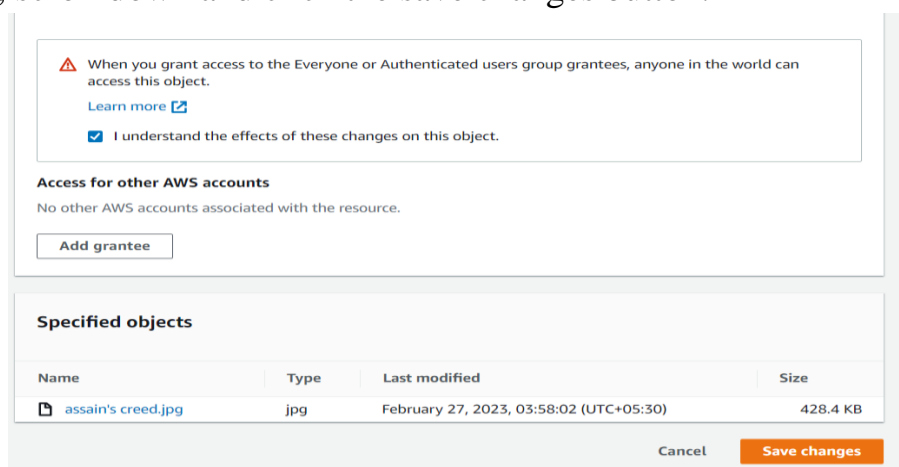


20. Now select CHECK both “Read”(Object & Object ACL) option for **Everyone(public access)**

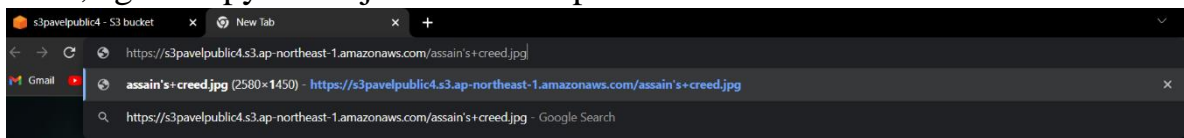
Also, remember to check the I understand the effects of these changes on this object option, to further proceed.



21. Now, scroll down and click the save changes button.



22. Now, again copy the object URL and paste it in a different browser.



23. After pasting the link in the bar, press Enter key. Now we can access our file using the object URL directly.

So, our file is public and can be accessed by those with the object URL(link) anytime anywhere. The URL is working perfectly as intended.