Hosting a Static Website on Amazon S3:

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Theory:

Amazon S3 is object storage built to store and retrieve any amount of data from anywhere – web sites and mobile apps, corporate applications, and data from IoT sensors or devices. We can store any type of file in S3.

S3 is designed to deliver 99.999999999 durability, and stores data for millions of applications used by market leaders in every industry.

S3 provides comprehensive security and compliance capabilities that meet even the most stringent regulatory requirements.

S3 gives customers flexibility in the way they manage data for cost optimization, access control, and compliance.

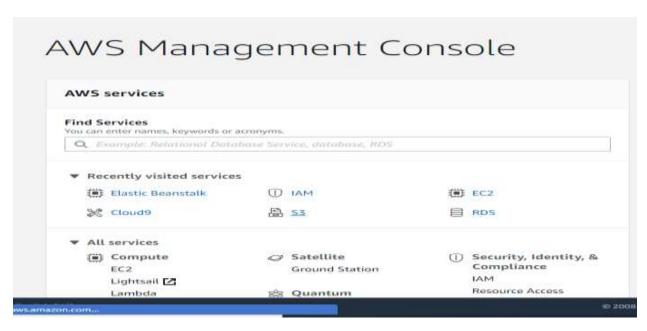
Typical use cases include:
☐ Backup and Storage – Provide data backup and storage services for others.
☐ Application Hosting – Provide services that deploy, install, and manage web applications.
☐ Media Hosting – Build a redundant, scalable, and highly available infrastructure that hosts video, photo, or music uploads and downloads.
☐ Software Delivery – Host your software applications that customers can download.
☐ Static Website – we can configure a static website to run from an S3 bucket.

S3 provides query-in-place functionality, allowing us to run powerful analytics directly on our data at rest in S3. And Amazon S3 is the most supported cloud storage service available, with integration from the largest community of thirdparty solutions, systems integrator partners, and other AWS services.

Files can be anywhere from 0 bytes to 5 TB. There is unlimited storage available.

Procedure:

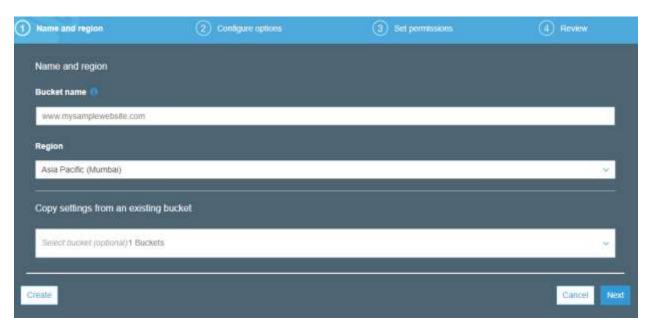
1: Go to the Aws service catalogue and select S3



2: Click on the Create Bucket button.



3: Type your Bucket name and check the availability of the name and select the region which is accessible.



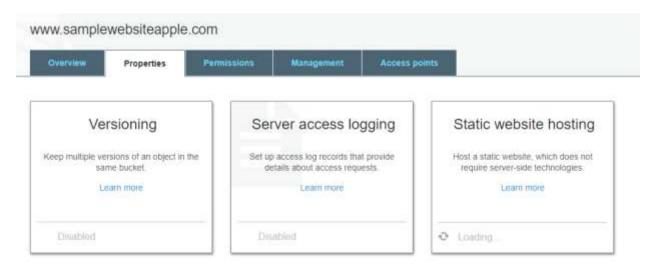
4: On the "Manage System permission" grant the access permission.



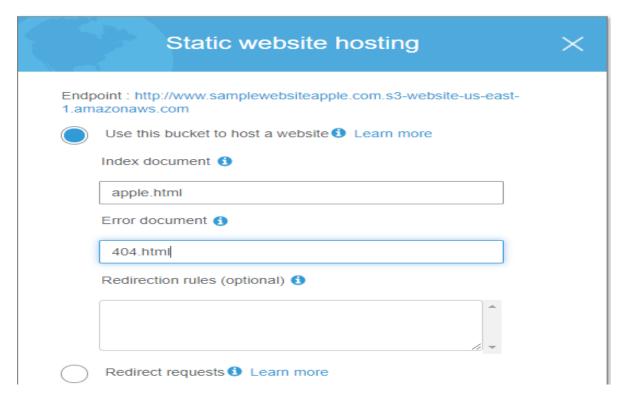
5: Click on the create Bucket.



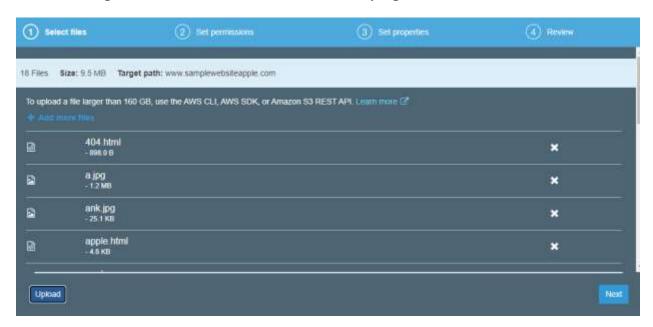
6: Now we have to select "Static website hosting"



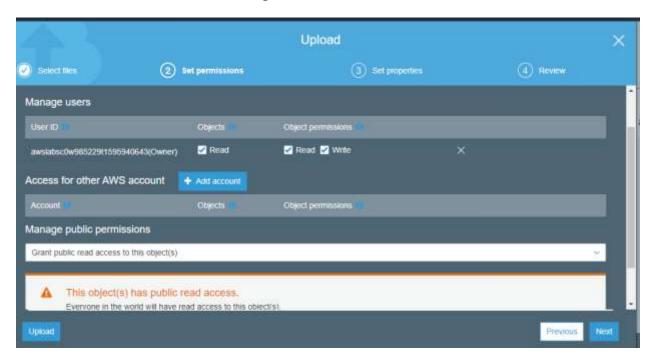
7: Now we have to provide the index name with the error page . (It is must)



8: We can upload the folder, or we can manually upload all the file.



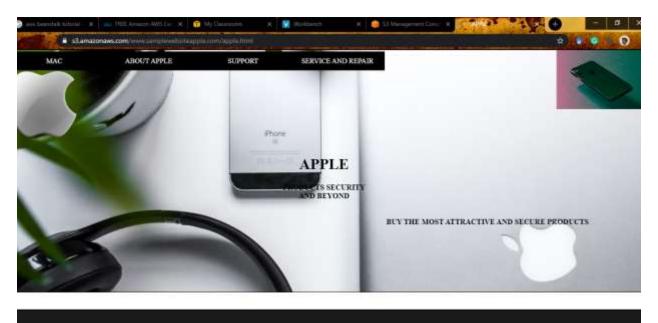
9: Before clicking the upload button we must **grant public read access.** Otherwise the URL will not work and through error.



10: After uploading the files on the S3 bucket select the html page you want to open through the "Object URL".



11: Hosting Static website on AWS S3 is successful.



Thank You All.