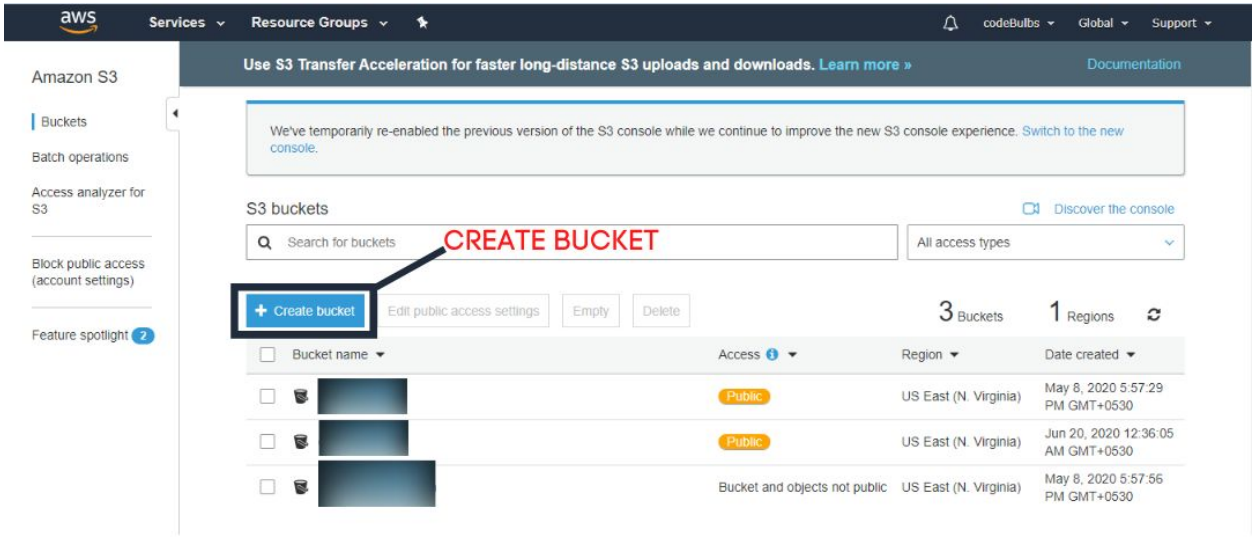
What is the amazon s3 bucket?

Amazon S3 is a storage service provided by the amazon web services and categorized under simple storage services. In this storage service, we create buckets to hold our data.
You can upload, store, and retrieve a huge amount of data at any time from anywhere in the world with high-end security and speed.

Many companies and organizations used this storage service. Some of them are:
Airbnb
Pinterest
Netflix
Spotify
Amazon
Dropbox
Reddit
codeBulbs

A simple overview of S3 storage:



List of Action we can perform on an object in S3 bucket:

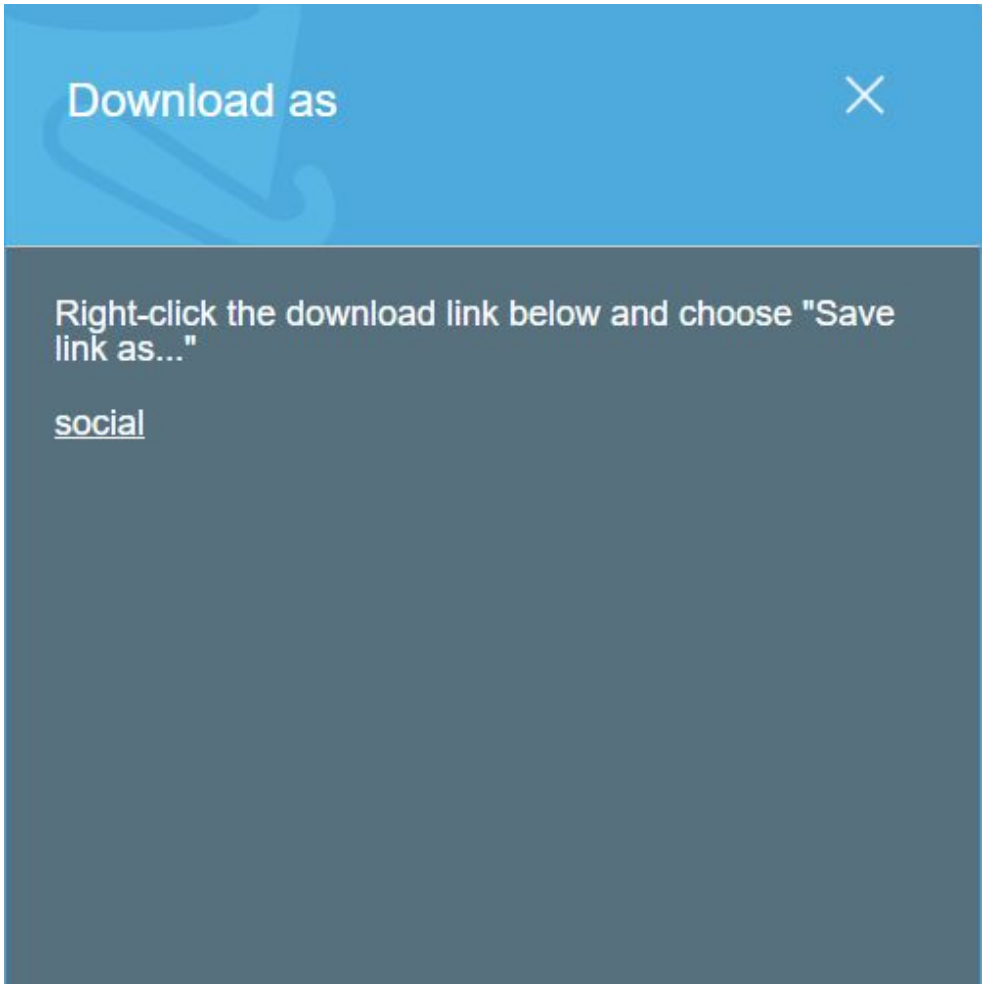
1. Open
2. Download As
3. Get Total Size
4. Change Storage Class
5. Change Encryption
6. Change Metadata
7. Add Tags

8. Make Public
9. Rename
10. Delete
11. Copy

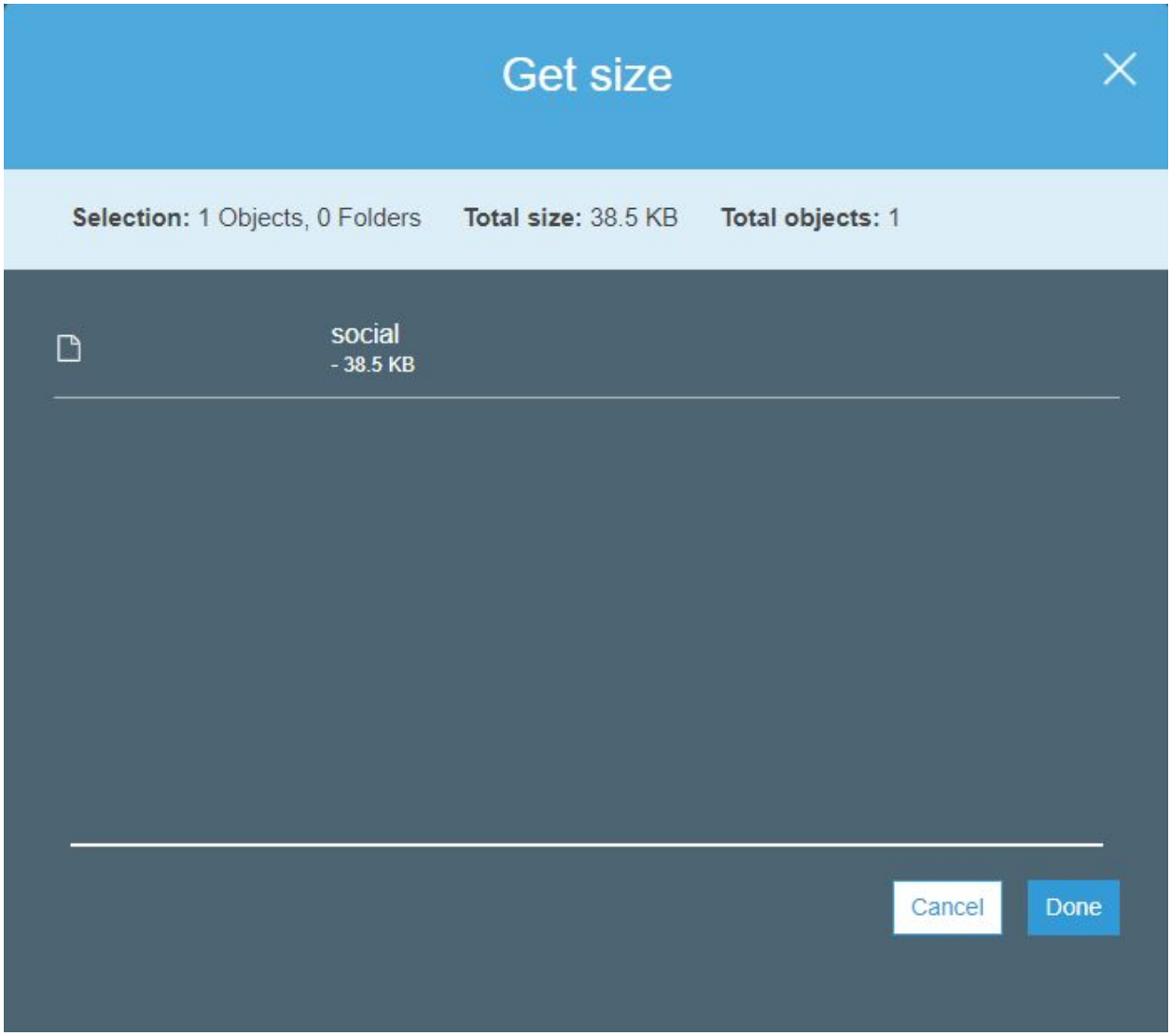
Whenever you select and object in the S3 bucket it will show you these actions.
Let's understand the meaning of each and every action.

1. Open:-
This action simply opens the output of the object in the new tab. Like you have an HTML file in your s3 bucket then it will open as a webpage with the s3 bucket address or if you open a folder then it will show the folder objects in the same tab.

2. Download as:-
This action will download your file with the saved metadata extension. You can not download the whole folder with multiple objects from the s3 panel directly.



3. Get Total Size:-
This action will help you to determine the size of objects in the s3 bucket.

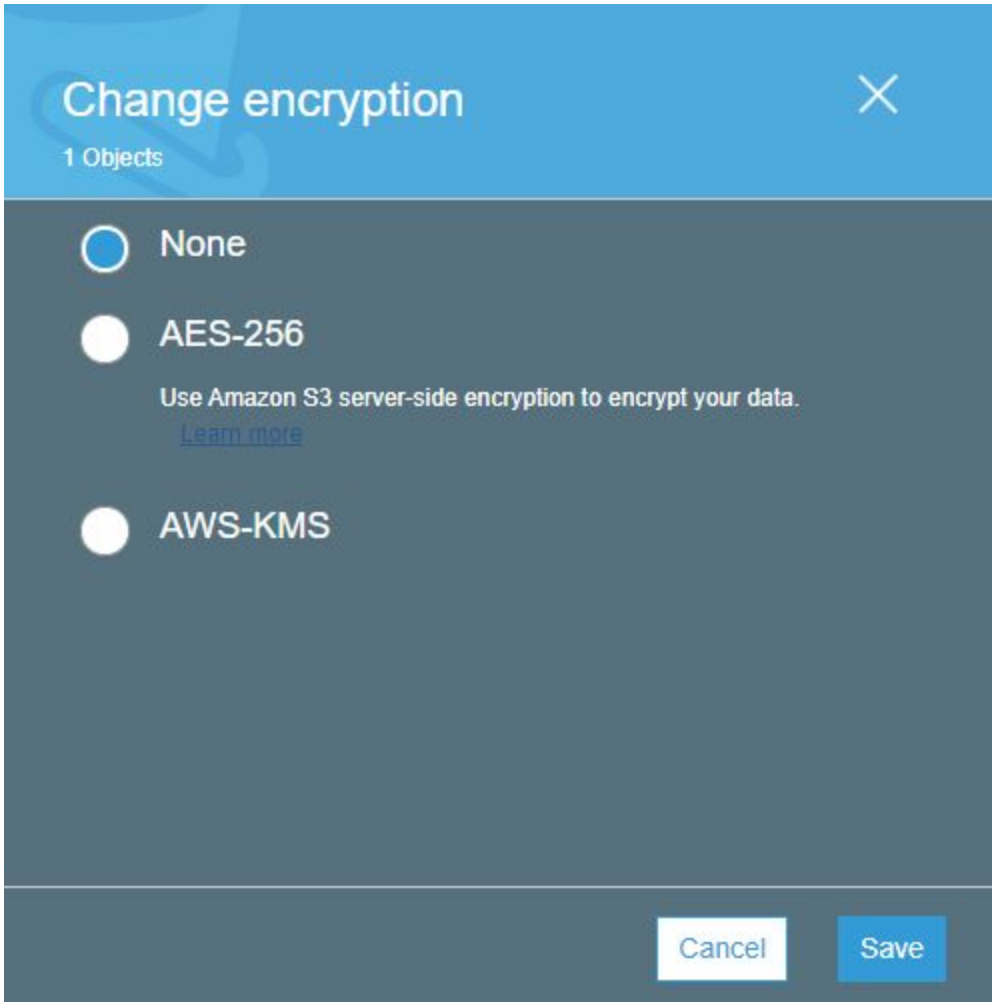


4. Change Storage Class:-

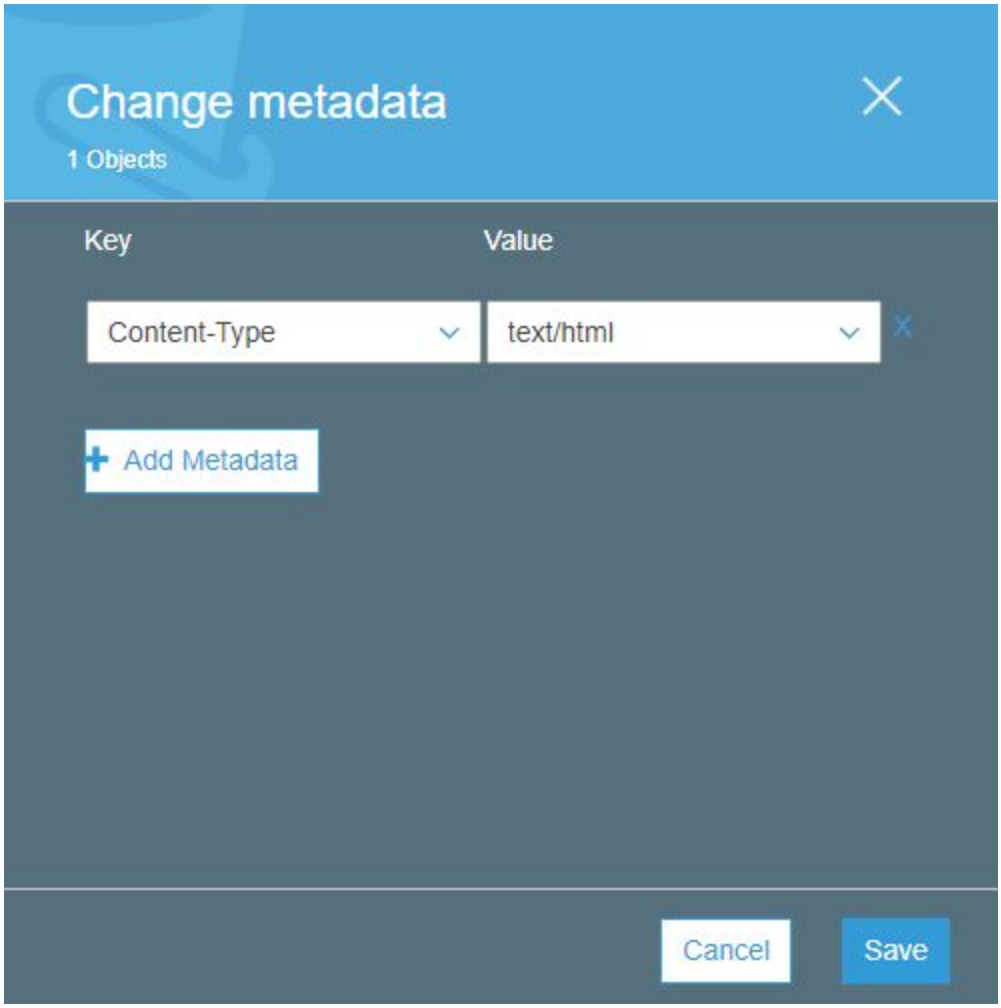
This action led you to a new options pane where you can change your storage class from s3 to other classes. For example Glacier, Glacier Deep Archive, One Zone-IA, etc.

5. Change Encryption:-

By this action, we can change the data encryption from none to AES-256(Server Side Encryption), AWS KMS.

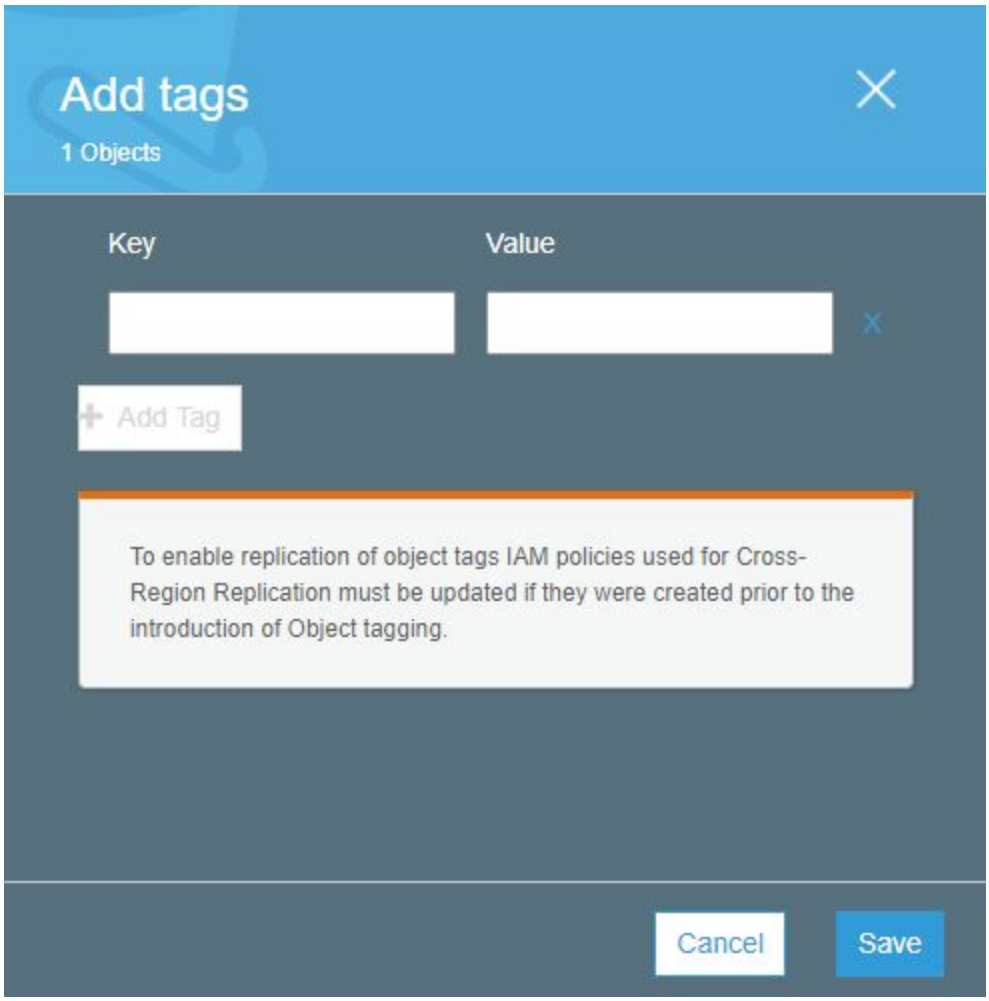


6. Change Metadata:
An object is a file and any optional metadata that describes the file. To store a file in Amazon S3, you upload it to a bucket. When you upload a file as an object, you can set permissions on the object and any metadata.

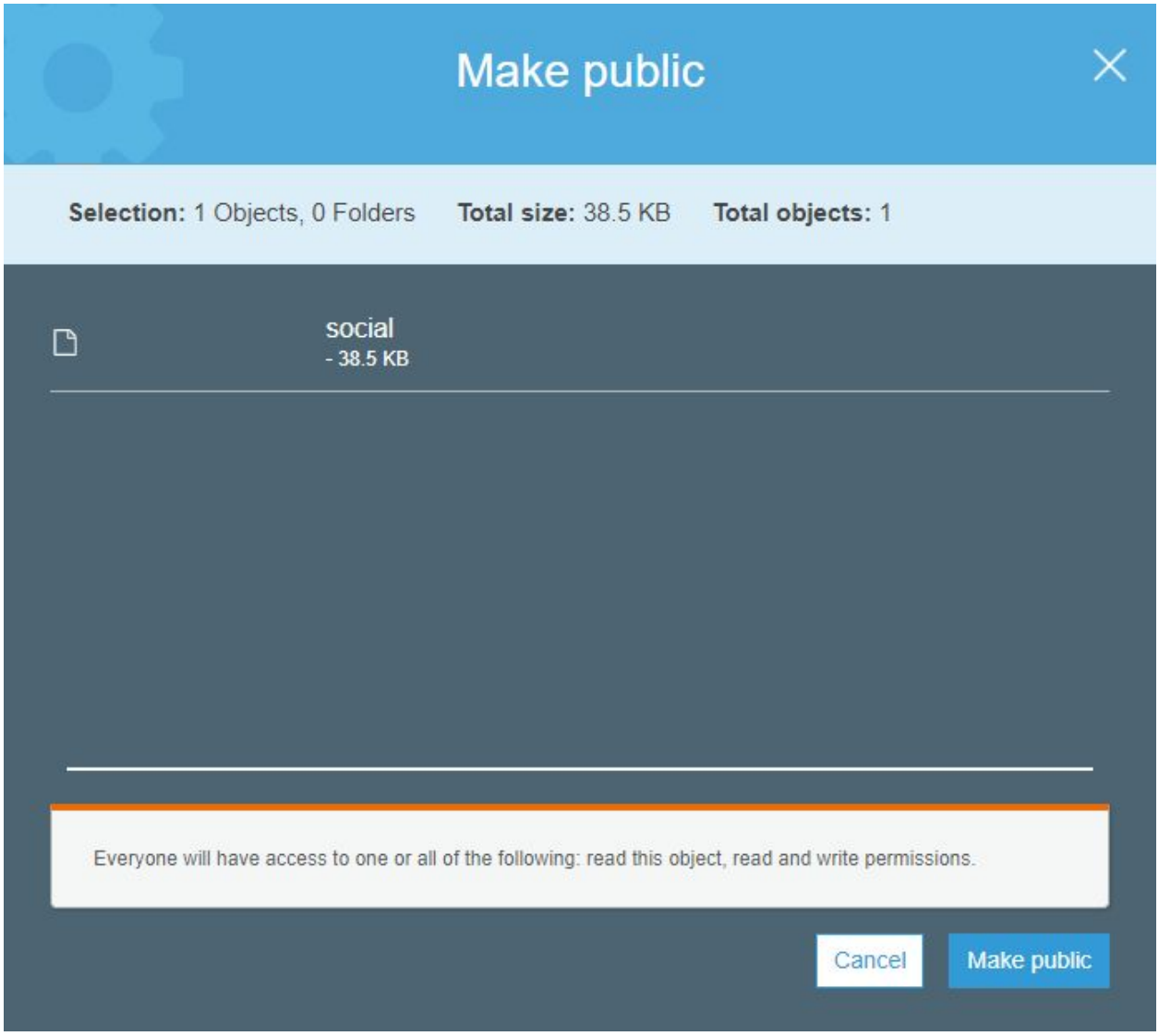


7. Add Tags:-

Each **tag** is a simple label consisting of a customer-defined key and an optional value that can make it easier to manage, search for, and filter resources by purpose, owner, environment, or other criteria.



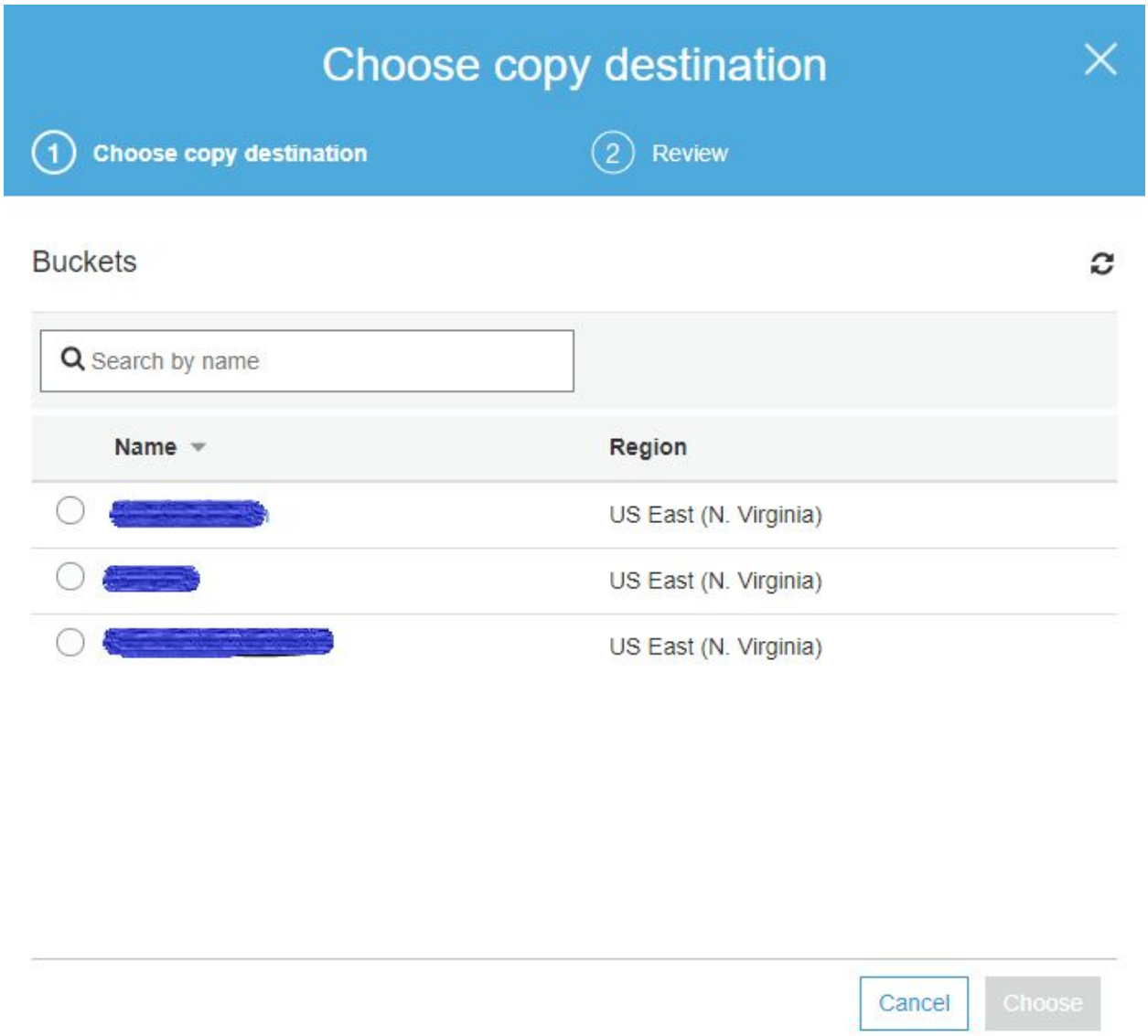
8. Make Public:-
When we create a bucket in S3 storage then it is private by default. We have to make it public manually. We make a bucket public by changes its permissions and bucket policy. But objects are made public through the “Make Public Action”.



9. Rename:
This action is used to change the name of a file.

10. Delete:
This action is used to delete the file from the bucket.

11. Copy:-
By this, we can copy our file from s3 bucket to another destination or in another bucket too.



In this article, we have covered all basics of the amazon s3 bucket and all its actions.
Now, tap the link given below and learn how to set up an S3 bucket.