WCE ACM
STUDENT CHAPTER

Walchand College of
Engineering, Sangli.
(An Autonomous Institute)

WORKSHOP ON

CLOUD COMPUTING

DOCUMENTATION

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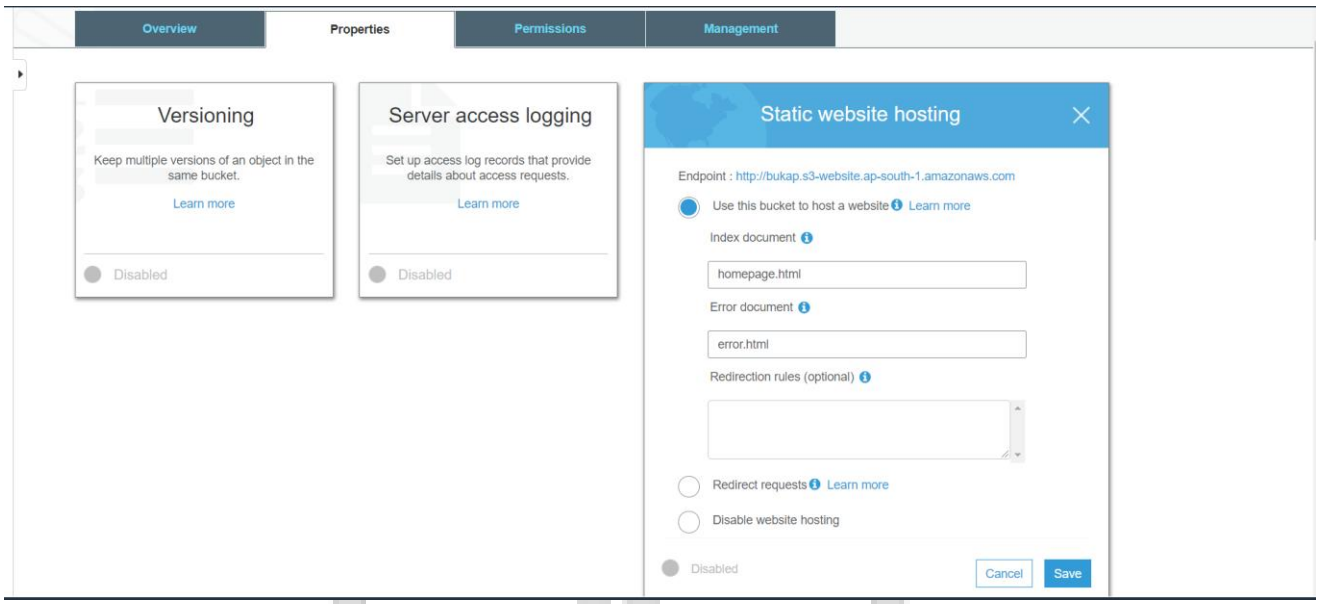
Hosting a Static Website on Amazon S3

You can host a static website on Amazon S3. On a static website, individual webpages include static content. They might also contain client-side scripts.

A] Configure an Amazon S3 bucket for website hosting.

1. Go to Properties of Bucket and select static web hosting.
2. Enter Index (Homepage of Website) and error file (File that has to be shown when the website not works).



Then upload your website content to the bucket. This bucket must have public read access. It is intentional that everyone in the world will have read access to this bucket.

B] Permissions Required for Website Access

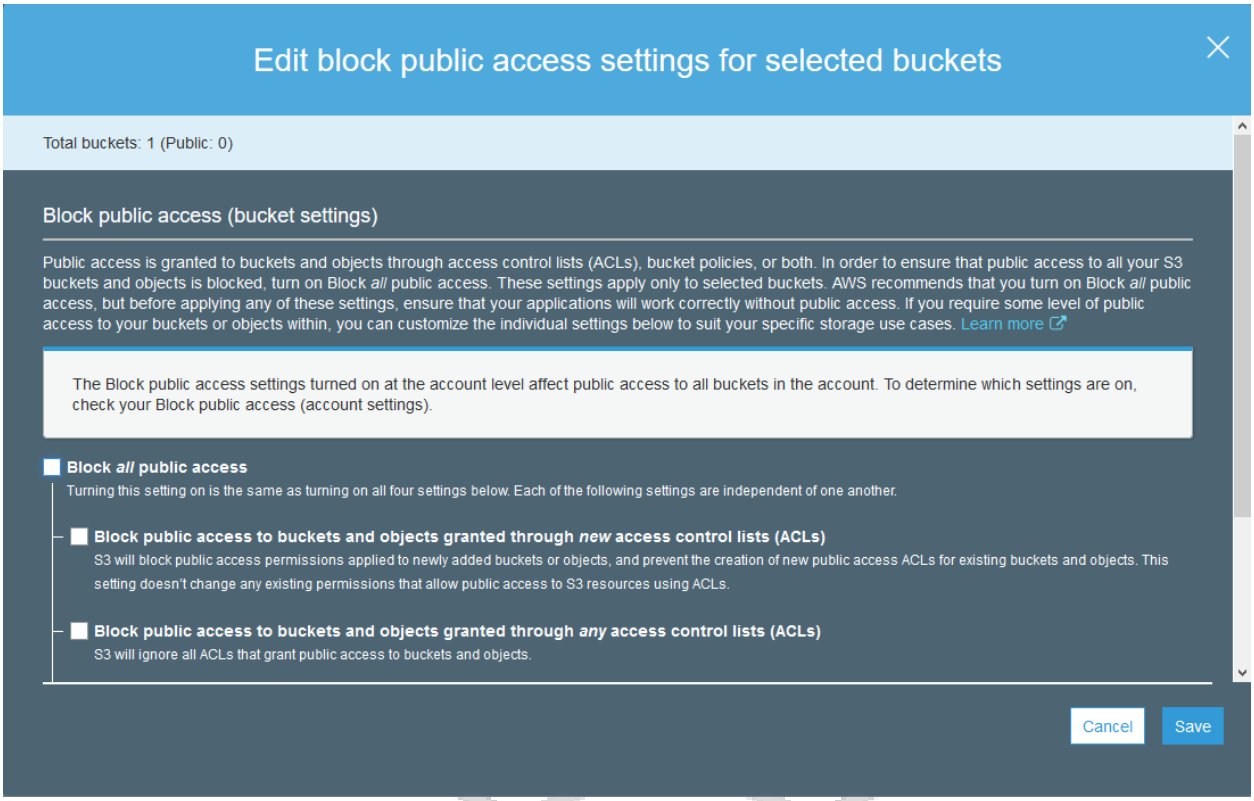
While configuring a bucket as a website, public read access must be granted to the bucket so that people can access the website. To make bucket publicly readable, one has to disable block public access settings and write a bucket policy. If bucket contains objects that not owned by the bucket owner, then there is also need to add an object access control list (ACL) that grants everyone read access.

Edit Block Public Access Settings

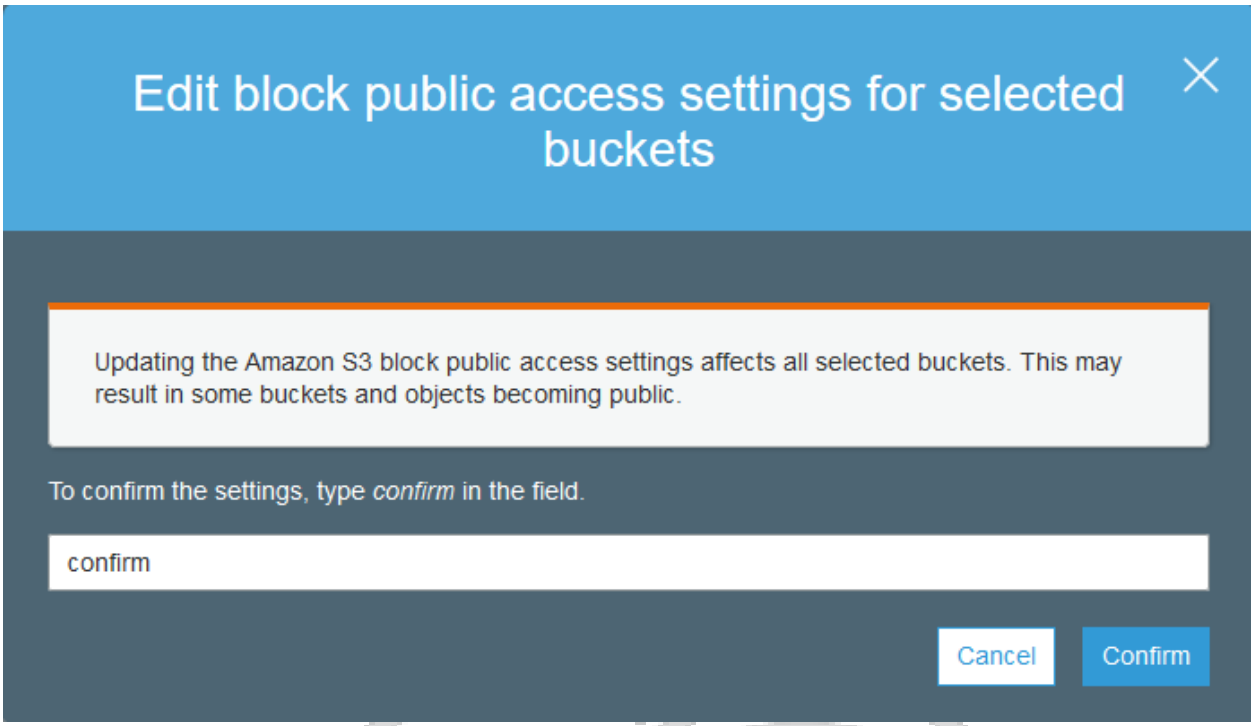
By default Amazon S3 does not allow public access to account or buckets.

- **To disable block public access for a bucket configured as a static website**

1. Open the Amazon S3 console at https://console.aws.amazon.com/s3/.
2. Select the bucket that you have configured as a static website, and choose **Edit public access setting.**
3. 3. Clear **Block *all* public access**, and choose **Save**.



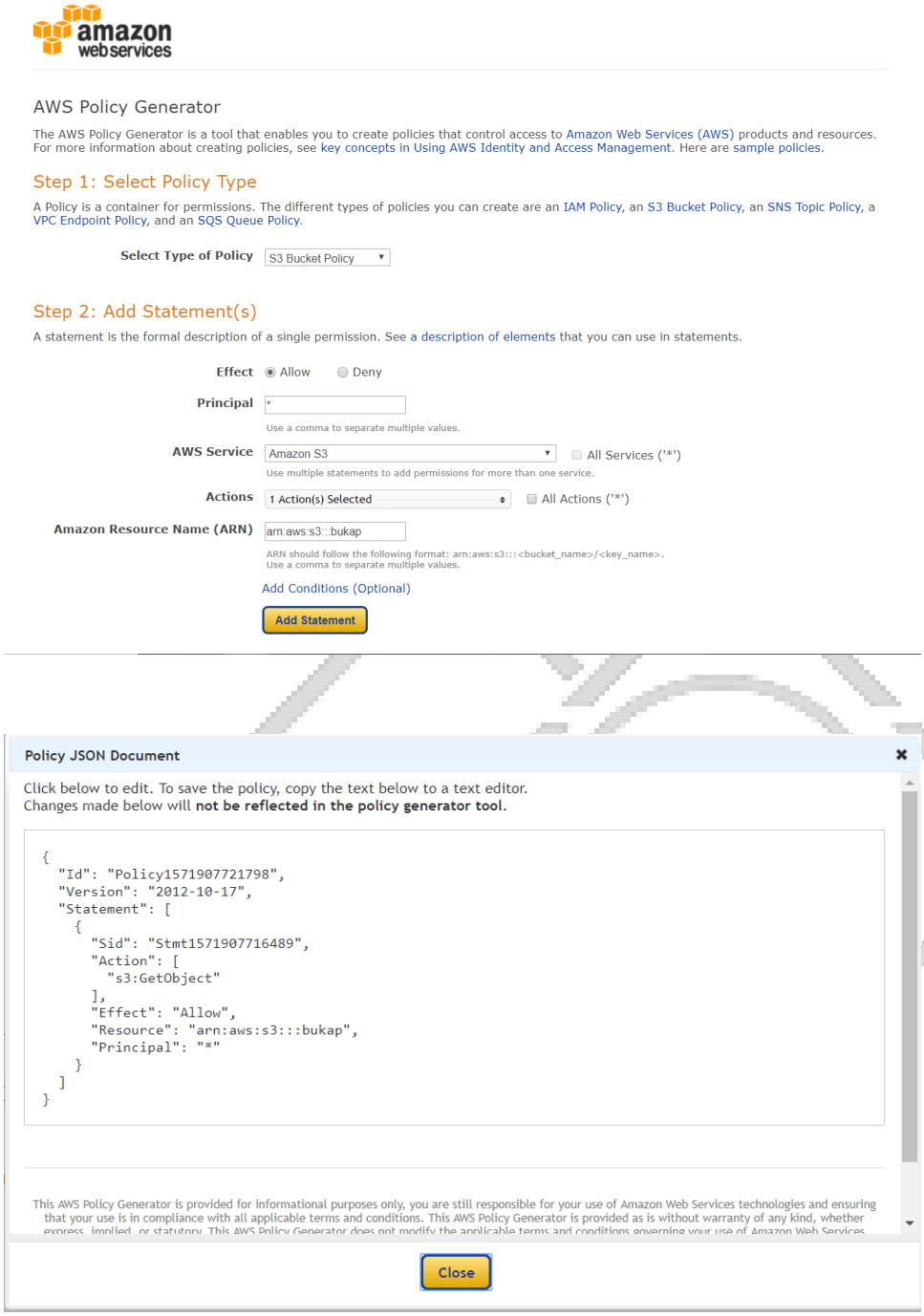
4. In the confirmation box, enter `confirm`, and then choose **Confirm**.



- **To add a bucket policy**

To make the objects in your bucket publicly readable, you must write a bucket policy that grants everyone `s3:GetObject` permission.

1. Choose the bucket that you have configured as a static website.
2. Choose **Permissions**.
3. Choose **Bucket Policy**.
4. In the **Bucket policy editor**, add a bucket policy, and choose **Save**.(By using policy generator create bucket policy.)



5. Add /* at end of Resource in policy if Principle is for all(*).
6. Add this bucket policy and hit save.

Website URL is present in Static Website Hosting Section.

Website is Hosted Successfully.