# Steps to make AWS S3 Read-only Public access

This document comprises the steps for setting up of an AWS S3 Bucket with appropriate access privileges for public Read-only (Only read permission not listable).

The scripts which are included should be put in S3 bucket policies.

The prerequisite for doing this is that the user should have an AWS account with console access having AmazonS3FullAccess permission.

To access S3 service, login to the AWS account using the use name and password using the link
https://console.aws.amazon.com/s3/home?region=us-west-2

1. For new bucket click on 'create bucket'
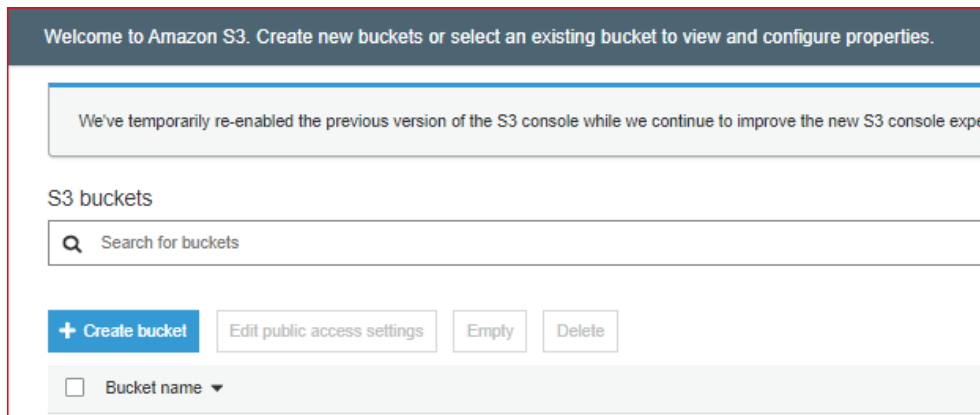
2. Then give a unique name and select your nearest region
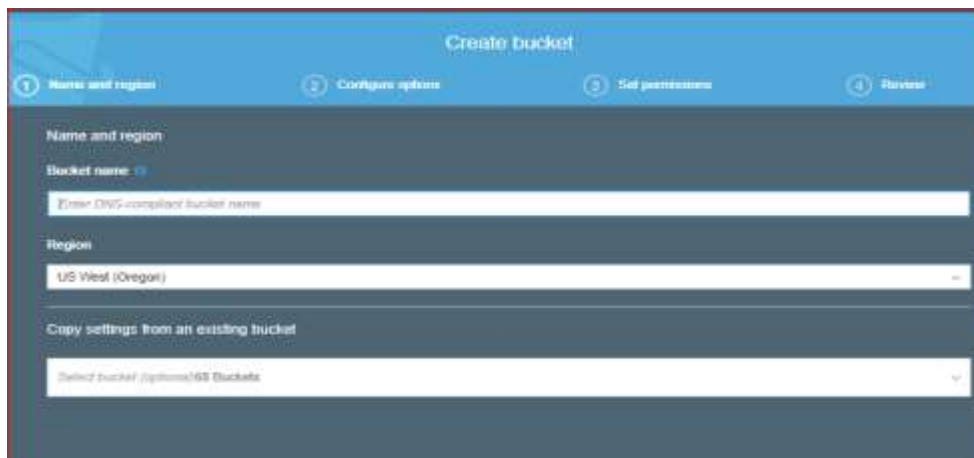
3. Continue with clicking Next will get the properties page, no setting required in this page continues with next will get '**Block public access'**

4. Uncheck '**Block public access** 'setting in the Permissions tab. This will open the bucket for public access.
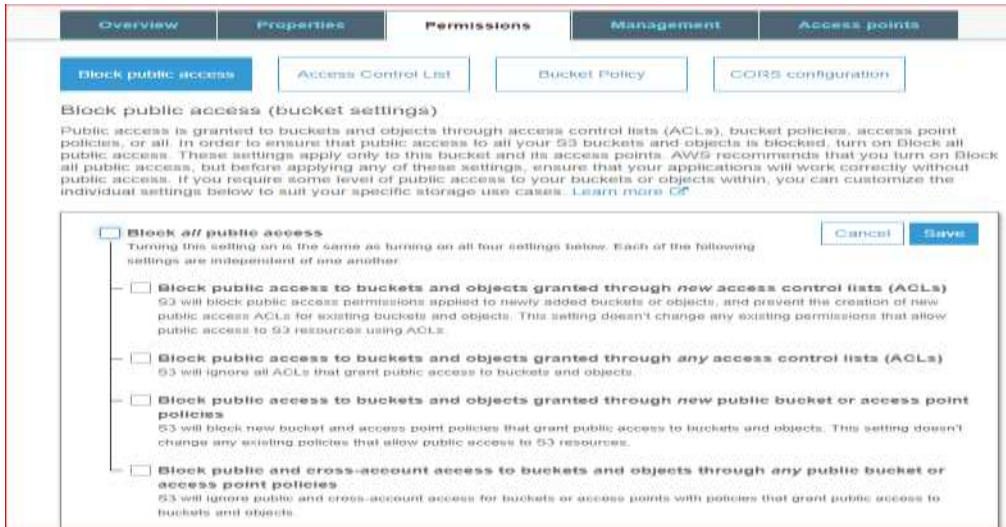
5. In the Pemissions tab itself , enter below given script with respective directory full path/S3 name in the **Bucket policy** option. (Refer pic below:)

{
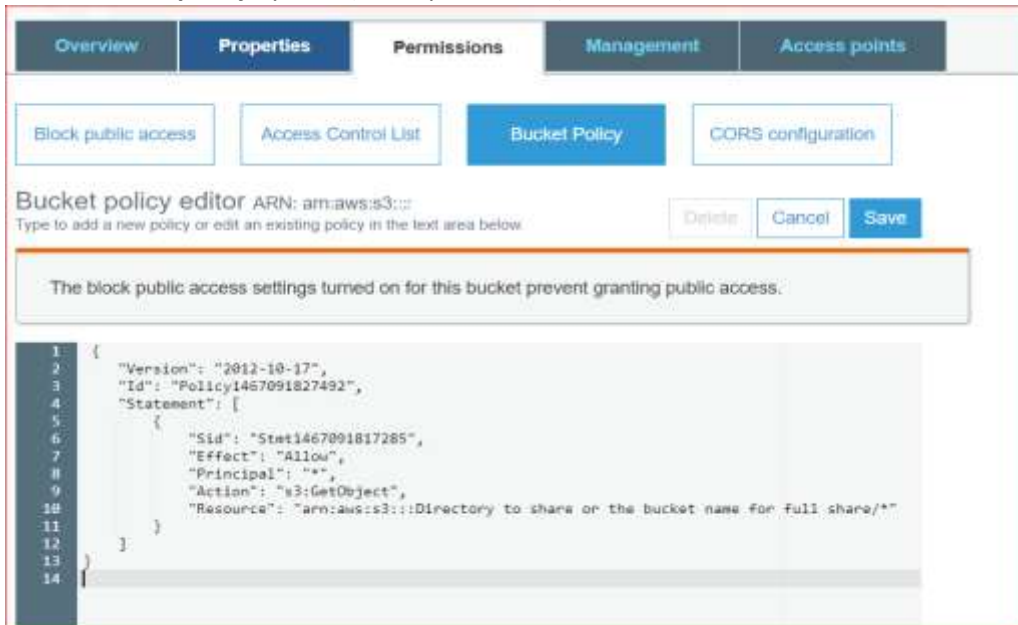
```
        "Version": "2012-10-17",
        "Id": "Policy1467091827492",
        "Statement": [
          {
            "Sid": "Stmt1467091817285",
            "Effect": "Allow",
            "Principal": "*",
            "Action": "s3:GetObject",
            "Resource": "arn:aws:s3:::Directory to share or the bucket name for full share/*"
          }
        ]
      }
```

If it is required to enable listing "s3:ListBucket" permission should be enabled.

6. Final step is to set S3 **CORS policy** (access control origin settings)

It is required to set Cross-origin resource sharing (CORS) policy in S3 for web applications that are loaded in one domain for interacting with resources in different domains. Please refer below screenshot and script for reference:
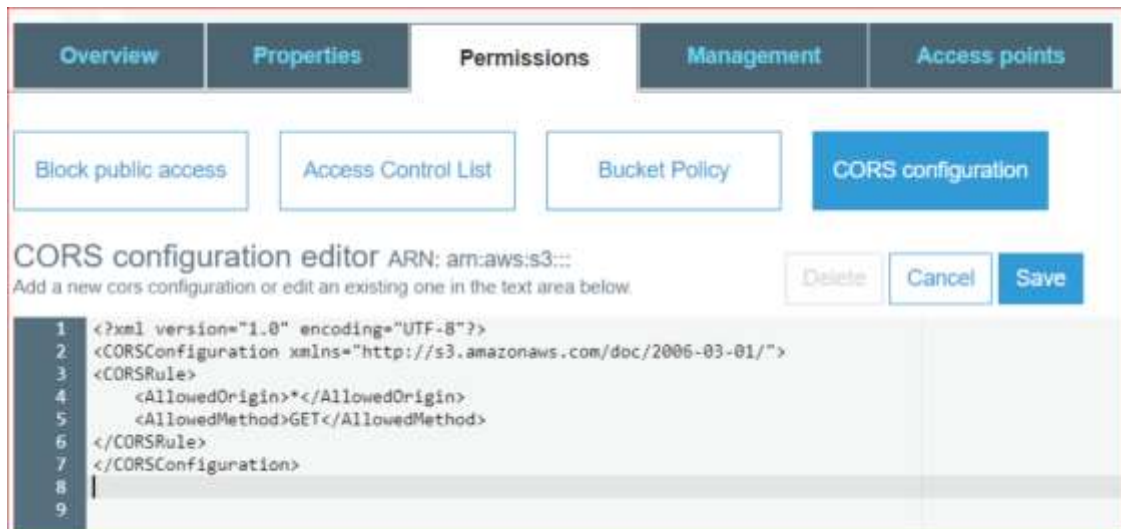

```xml
<?xml version="1.0" encoding="UTF-8"?>
<CORSConfiguration xmlns="http://s3.amazonaws.com/doc/2006-03-01/">
<CORSRule>
    <AllowedOrigin>*</AllowedOrigin>
    <AllowedMethod>GET</AllowedMethod>
</CORSRule>
</CORSConfiguration>
```