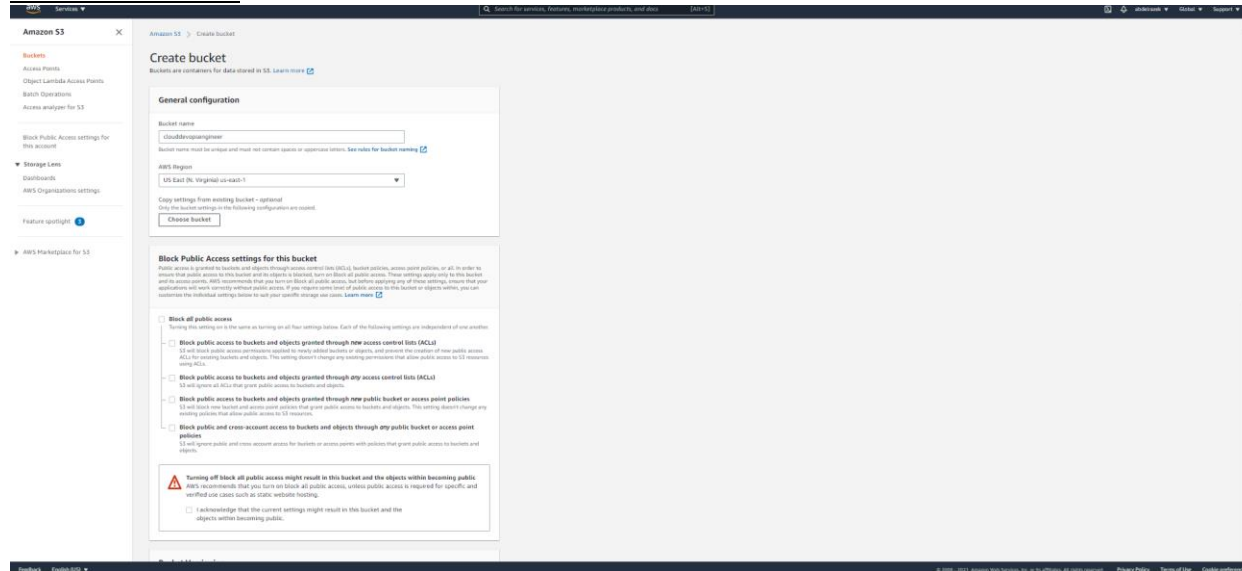
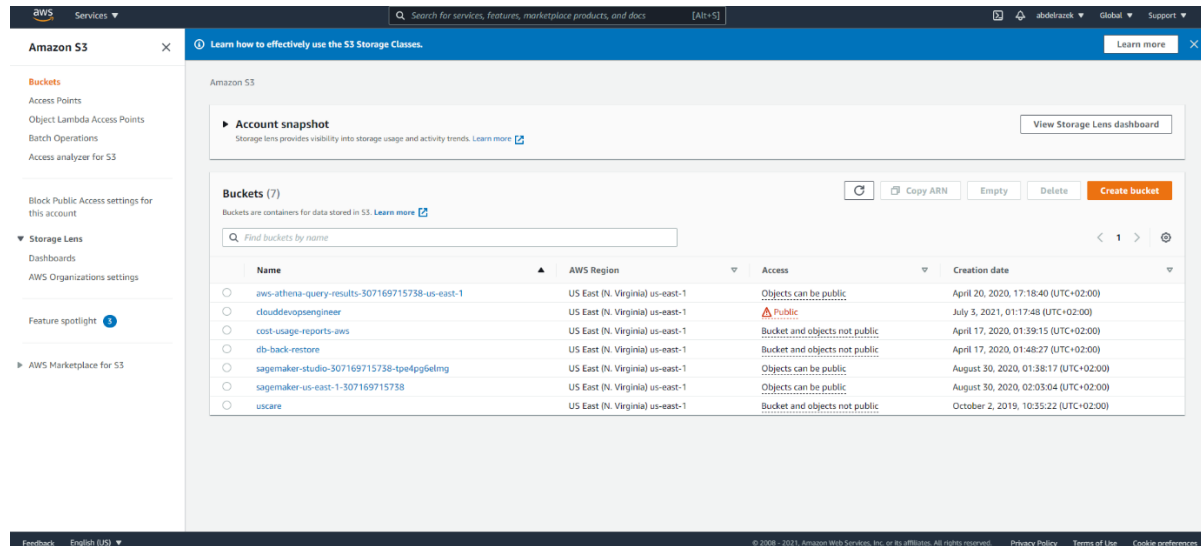


Static Website 1-Configuration

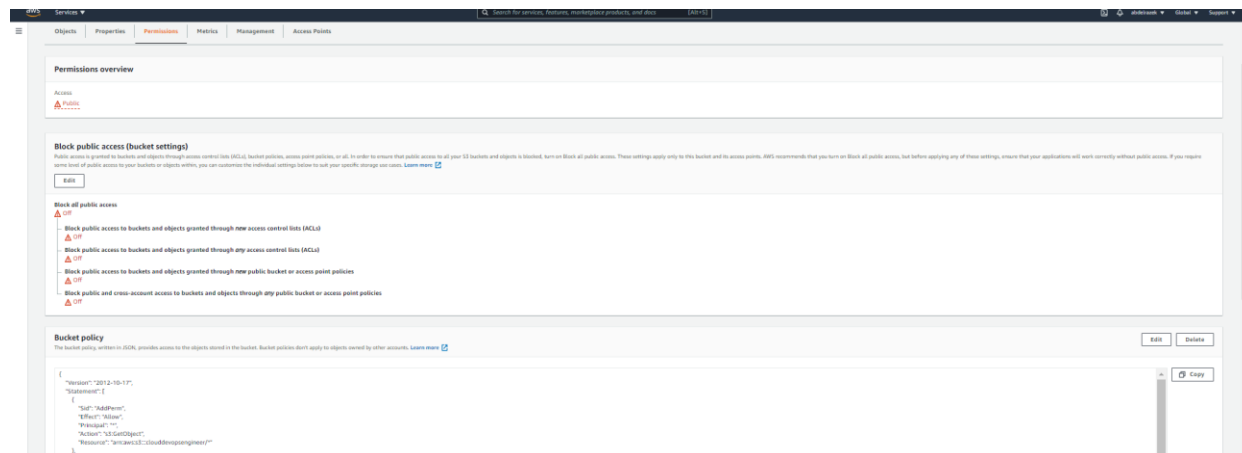
1-Create S3 Bucket



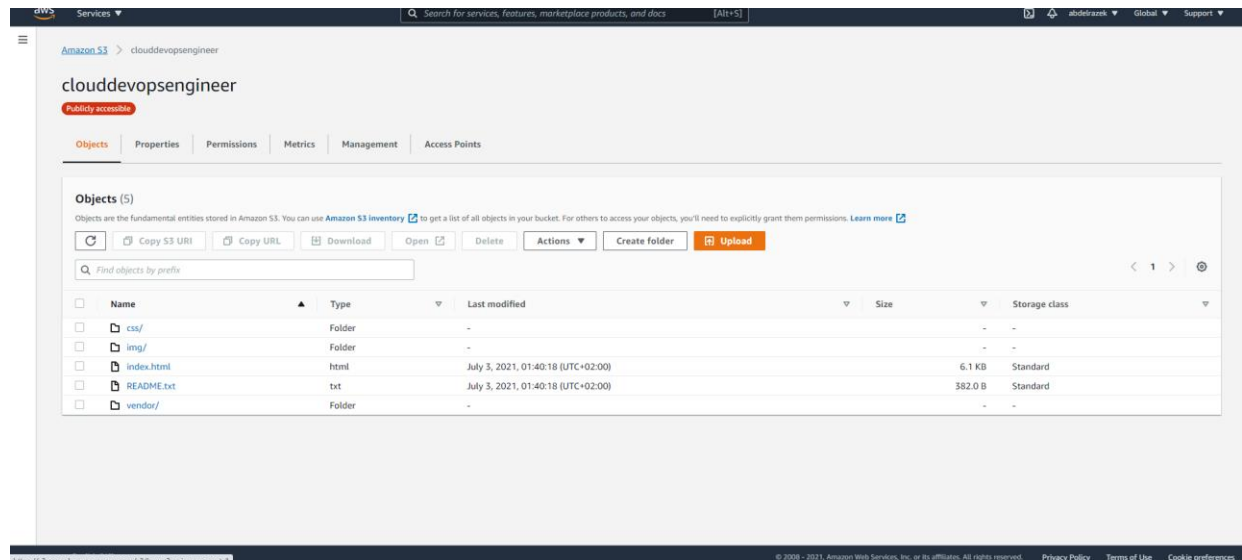
2-List of S3 Bucket



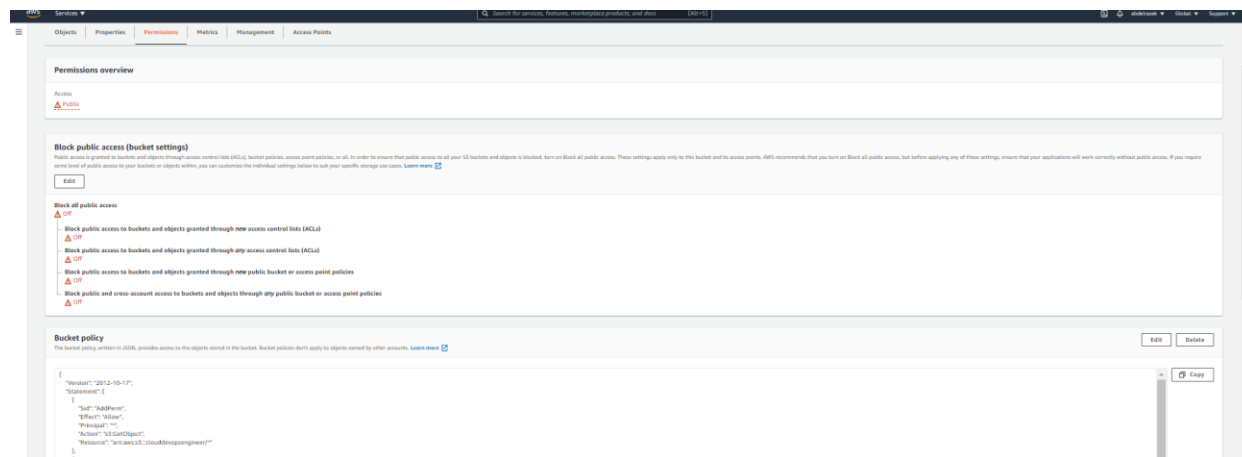
3- Configure Bucket Settings for Allow Public Access



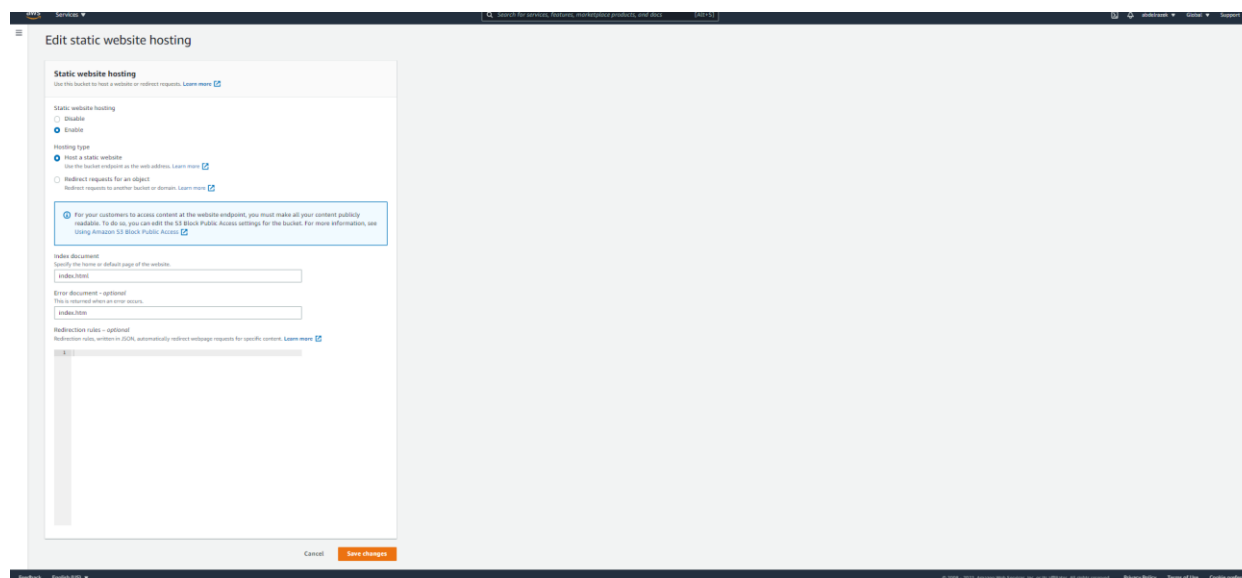
4-Upload Files to S3 Bucket



5-Secure Bucket Via IAM



6-Configure S3 Bucket to Enable the Static Website Hosting



Website Endpoints

1-Amazon S3 Bucket Endpoint Configured As A Static Website

The screenshot shows the AWS Management Console for an Amazon S3 bucket. The left sidebar contains navigation links for Buckets, Access Points, Object Lambda Access Points, Batch Operations, Access analyzer for S3, Storage Lens, Dashboards, AWS Organizations settings, Feature spotlight, and AWS Marketplace for S3. The main content area displays the configuration for the bucket:

- Object Lock:** Disabled. A message states: "Amazon S3 currently does not support enabling Object Lock after a bucket has been created. To enable Object Lock for this bucket, contact Customer Support."
- Requester pays:** Disabled. A message states: "When enabled, the requester pays for requests and data transfer costs, and anonymous access to this bucket is disabled."
- Static website hosting:** Enabled. The bucket is configured for static website hosting. The bucket website endpoint is <http://clouddevopsengineer.s3-website-us-east-1.amazonaws.com>.

My Bucket Website

The screenshot shows a web browser displaying the website hosted on the Amazon S3 bucket endpoint. The website has a header with the title "Travel Blog" and a search bar. The main content area features four articles:

- The Most Popular Destinations for Solo Travelers**
Here are the spots where you're most likely to meet other people who are traveling alone.
Posted by Anne Dine on September 24, 2018
- This Site Connects Solo Travelers Who Are Looking for Someone to Travel and Split Expenses With.**
Posted by Anne Dine on September 30, 2018
- A Guide to Kings Canyon National Park**
Best known for its groves of Sequoia trees, Kings Canyon National Park spans a significant portion of the Sierra Nevada mountain range in California.
Posted by Anne Dine on August 24, 2018
- This Breathtaking New Hike in Yosemite Isn't for the Faint of Heart**
Yosemite National Park may be nearing 150 years old, but that doesn't mean there's nothing left to explore.
Posted by Anne Dine on July 6, 2018

The footer of the website includes social media icons for Twitter, Facebook, and GitHub, and a copyright notice for "© 2018 clouddevopsengineer".

My Bucket Website Endpoint

<http://clouddevopsengineer.s3-website-us-east-1.amazonaws.com/>

2-CloudFront Distribute Website

1-Cloudfront Distribute Website Configure IAM

aws

Services ▾

Q Search

≡

Objects

Properties

Permissions


Metrics

Management

Access Points

Permissions overview

Access


 Public

Block public access (bucket settings)


Public access is granted to buckets and objects through access control lists (ACLs), bucket policies, access point policies, or all. In order to ensure that public access to all your S3 buckets and objects some level of public access to your buckets or objects within, you can customize the individual settings below to suit your specific storage use cases. [Learn more](#)

Edit


Block **all** public access

 Off


Block public access to buckets and objects granted through **new** access control lists (ACLs)

 Off


Block public access to buckets and objects granted through **any** access control lists (ACLs)

 Off

Block public access to buckets and objects granted through **new** public bucket or access point policies

 Off

Block public and cross-account access to buckets and objects through **any** public bucket or access point policies

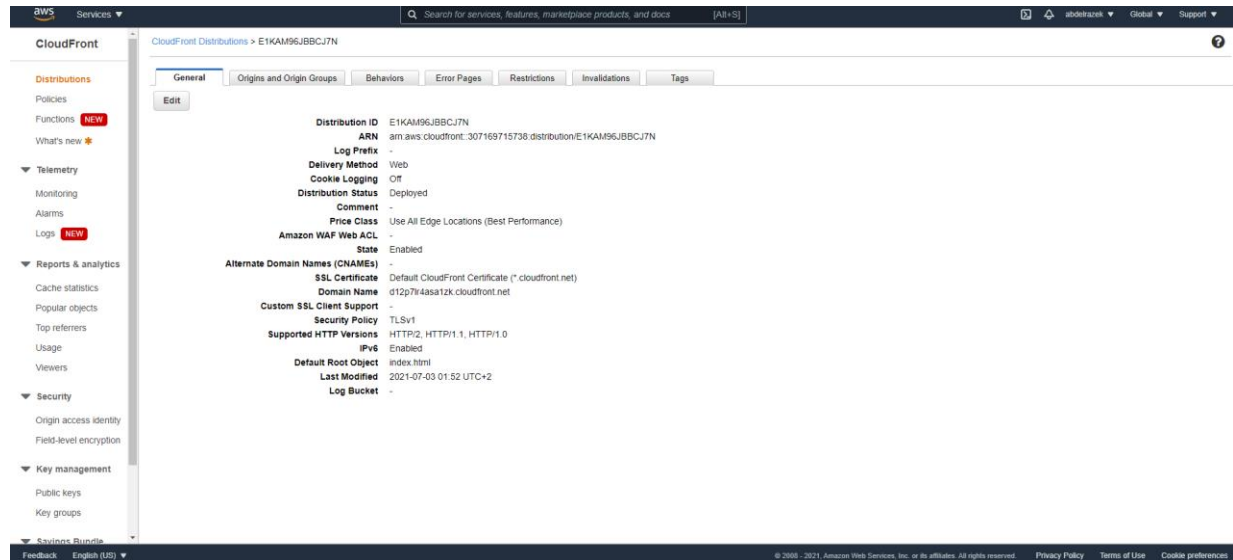
 Off

Bucket policy

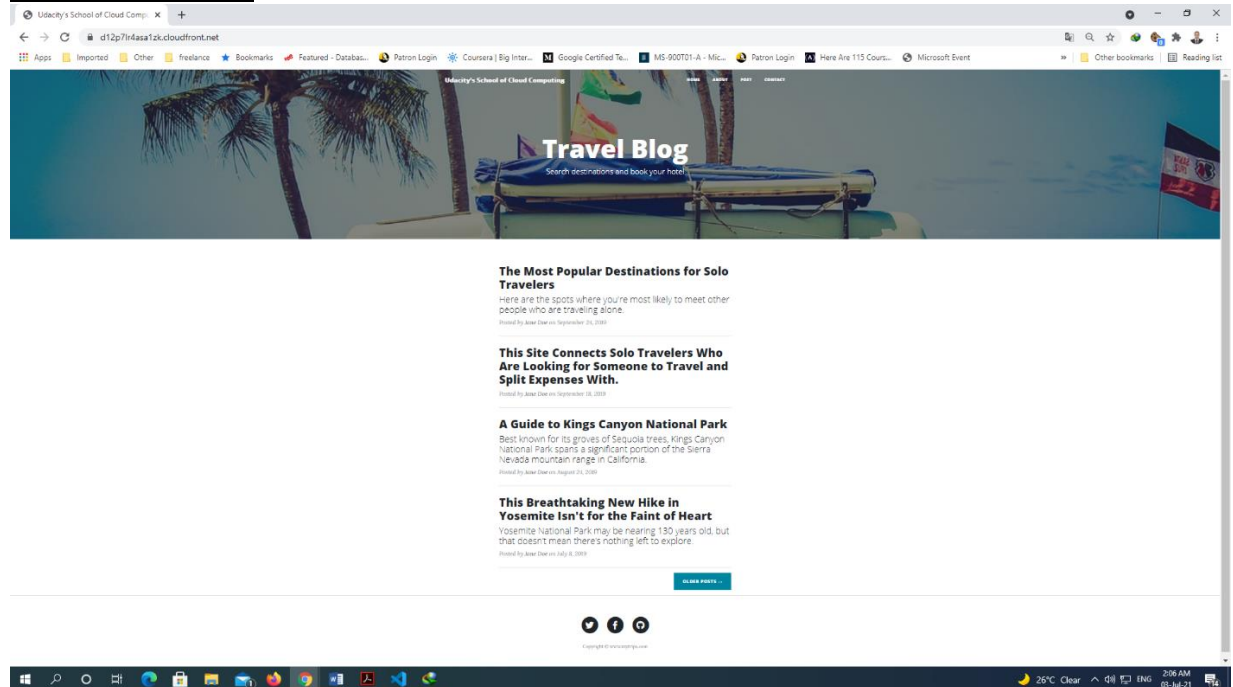
The bucket policy, written in JSON, provides access to the objects stored in the bucket. Bucket policies don't apply to objects owned by other accounts. [Learn more](#)

```
{
  "Version": "2012-10-17",
  "Statement": [
    {
      "Sid": "AddPerm",
      "Effect": "Allow",
      "Principal": "*",
      "Action": "s3:GetObject",
      "Resource": "arn:aws:s3:::clouddevopsengineer/*"
    },
    {
      "Sid": "2",
      "Effect": "Allow",
      "Principal": {
        "AWS": "arn:aws:iam::cloudfront:user/CloudFront Origin Access Identity E5IVEBWWT6ZX"
      },
      "Action": "s3:GetObject",
      "Resource": "arn:aws:s3:::clouddevopsengineer/*"
    }
  ]
}
```

2- Configure CloudFront To Host the Static Website



CloudFront Website



My CloudFront Website Endpoint

<https://d12p7lr4asa1zk.cloudfront.net/>

Cloud Devops Engineer Nanodegree Program

Project 1: Deploy Static Website on Aws

By Abdelrazek Rizk

