Web Hosting & Deployment

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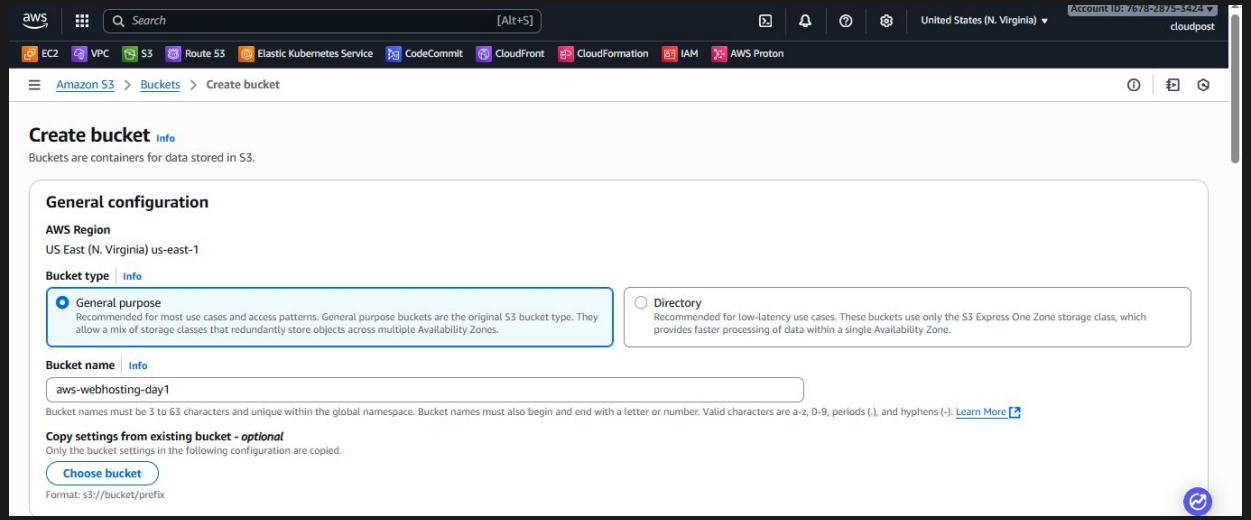
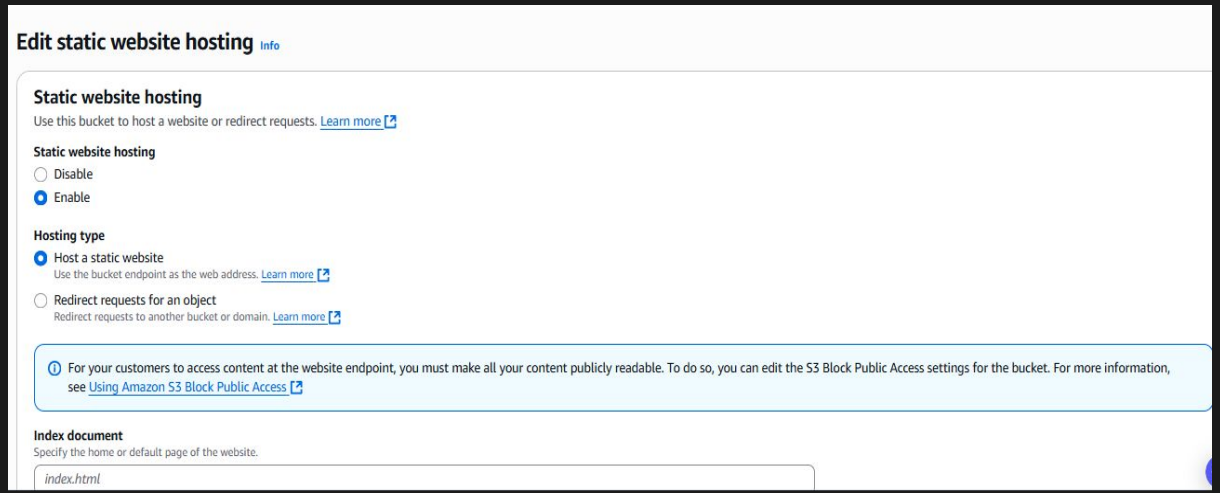
Prerequisites:
✅ An AWS account
✅ A registered domain (either in Route 53 or another provider)

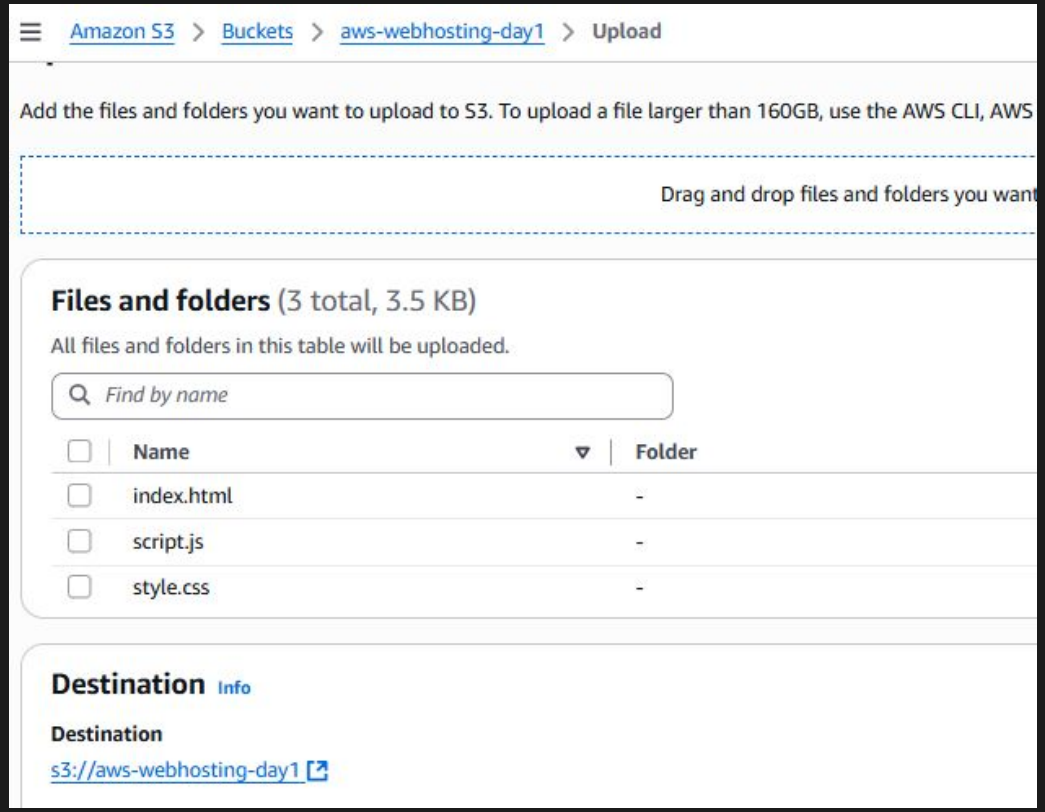
Create an S3 Bucket for Website Hosting



In AWS S3 → Buckets → [Bucket-Name] → Edit [static web hosting] Click Enable



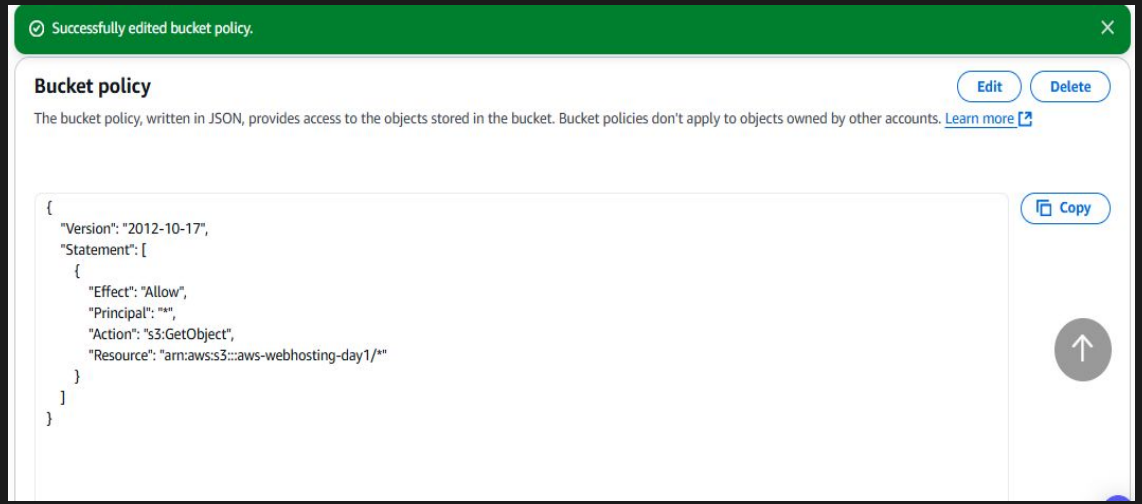
In AWS S3 → Buckets → [Bucket-Name] → upload [Website {index.html, script.js, style.cs]
Click Upload

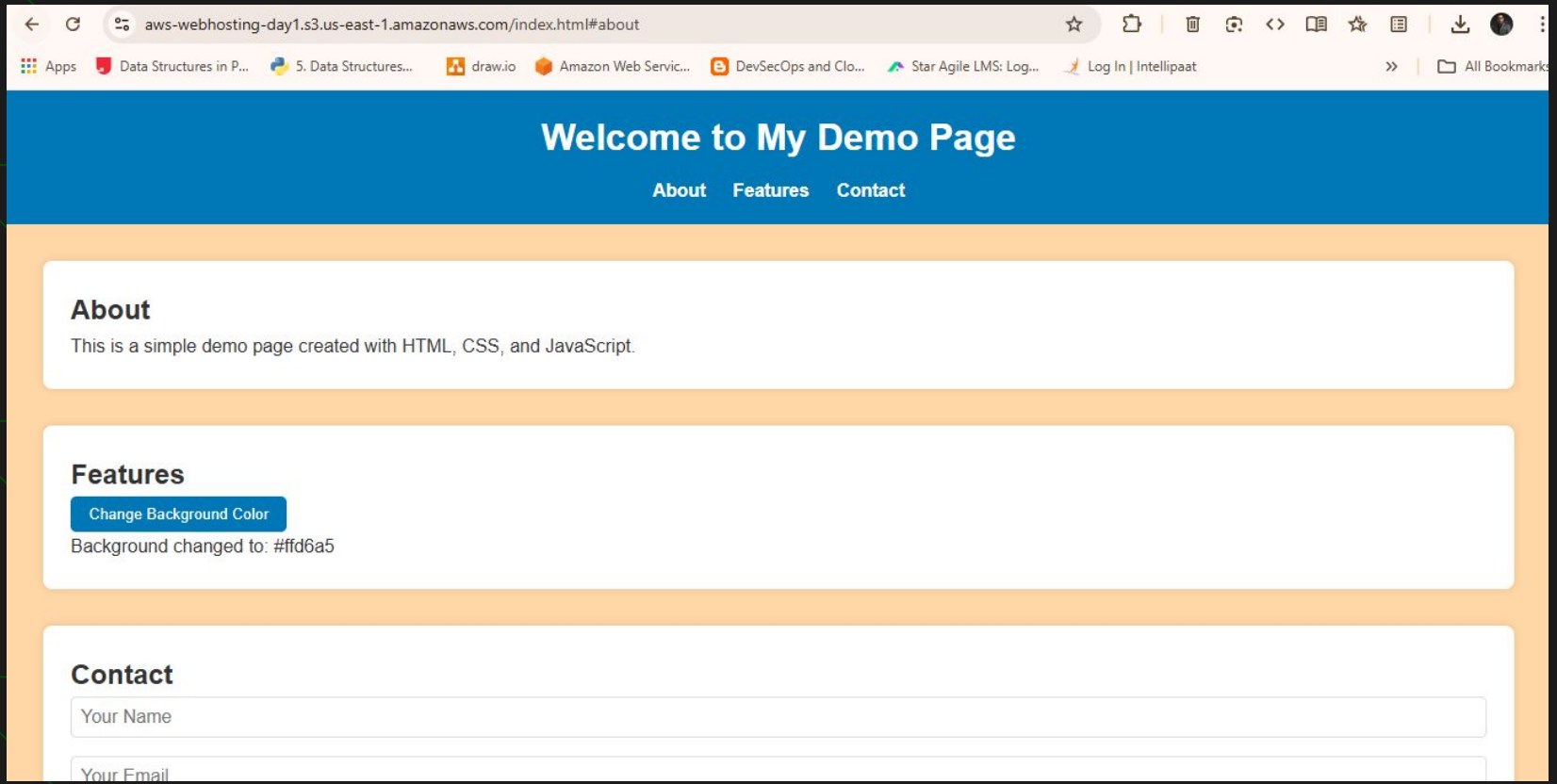


Edit the bucket policy

JSON File

```
{
 "Version": "2012-10-17",
 "Statement": [
  {
   "Effect": "Allow",
   "Principal": "*",
   "Action": "s3:GetObject",
   "Resource":
"arn:aws:s3:::aws-webhosting-day1/*"
  }
 ]
}
```




aws-webhosting-day1.s3.us-east-1.amazonaws.com/index.html#about
Apps
Data Structures in P...
5. Data Structures...
draw.io
Amazon Web Servic...
DevSecOps and Clo...
Star Agile LMS: Log...
Log In | Intellipaat
All Bookmarks
Welcome to My Demo Page
About
Features
Contact
About
This is a simple demo page created with HTML, CSS, and JavaScript.
Features
Change Background Color
Background changed to: #ffd6a5
Contact
Your Name
Your Email

1. In Route 53, go to **Hosted Zones**.
2. Click **Create hosted zone**.
3. Enter your domain name (example.com).
4. Choose **Public Hosted Zone**.
5. Click **Create**.

1. Open **AWS CloudFront Console**.
2. Click **Create distribution**.
3. Under **Origin**, configure:
    - **Origin domain**: Select your S3 bucket.
    - **Origin access**: Select **Public**.
    - **Viewer Protocol Policy**: Choose **Redirect HTTP to HTTPS**.
4. **Alternate Domain Names (CNAMEs)**:
    - Enter your domain name (example.com).
5. **Custom SSL Certificate**:
    - Click **Request or Import a Certificate with ACM**.
    - Request an SSL certificate for your domain.
    - Validate via email or DNS.
    - Once issued, attach it to the CloudFront distribution.

Click **Create distribution** and wait for deployment.

1. Go to **Route 53 → Hosted Zone** → Select your domain.
2. Click **Create record**.
3. Select **Simple routing → Define simple record**.
4. **Record Name**: Leave empty (for root domain).
5. **Record Type**: Select **A – IPv4 Address**.
6. **Route Traffic To**: Choose **Alias to CloudFront Distribution**.
7. Select your **CloudFront distribution** from the dropdown.
8. Click **Create record**.

Thank you

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