Create Two S3 Buckets

We'll be setting up two distinct S3 buckets for this project:

- **Input Bucket: This is where users will upload their original images.**
- **Output Bucket: This is where our Lambda function will save the processed images.**

Here's how to create them:

1. **Navigate to the S3 Console: Open your AWS console and search for "S3" or go directly to the S3 service.**
2. **Create Your First Bucket (Input):**

- **Click on the "Create bucket" button.**
- **For "Bucket name", enter: image-processing-input**
- **For "Region", select the same region where you plan to deploy your Lambda function (e.g., us-east-1 for N. Virginia). Consistency here is key!**
- **"Block all public access": For now, you can leave this checked if you prefer to keep your bucket private initially. If you anticipate needing public access later (e.g., for serving images directly from S3), you might uncheck it, but be mindful of the security implications. For local testing, keeping it checked is fine.**
- **Click "Create bucket".**

3. **Create Your Second Bucket (Output):**

- **Repeat the process by clicking "Create bucket" again.**
- **For "Bucket name", enter: image-processing-output**
- **Ensure the "Region" is the same as your input bucket.**
- **Click "Create bucket".**

4. **Configure CORS (Cross-Origin Resource Sharing) on Both Buckets:**

This step is crucial if you plan to interact with these buckets from a web application or another origin. You'll need to add a CORS configuration to *both* image-processing-input and image-processing-output buckets.

- **Select your image-processing-input bucket.**
- **Go to the "Permissions" tab.**
- **Scroll down to the "Cross-origin resource sharing (CORS)" section and click "Edit".**
- **In the text area, paste the following JSON configuration:**

JSON

```
[
    {
        "AllowedHeaders": ["*"],
        "AllowedMethods": ["GET", "PUT", "POST"],
        "AllowedOrigins": ["*"],
        "ExposeHeaders": []
    }
]
```

- **Click "Save changes".**
- **Repeat this exact same CORS configuration for your image-processing-output bucket.**