S3 Static Website Hosting

- Hosting a Website Without a Server Using Amazon S3

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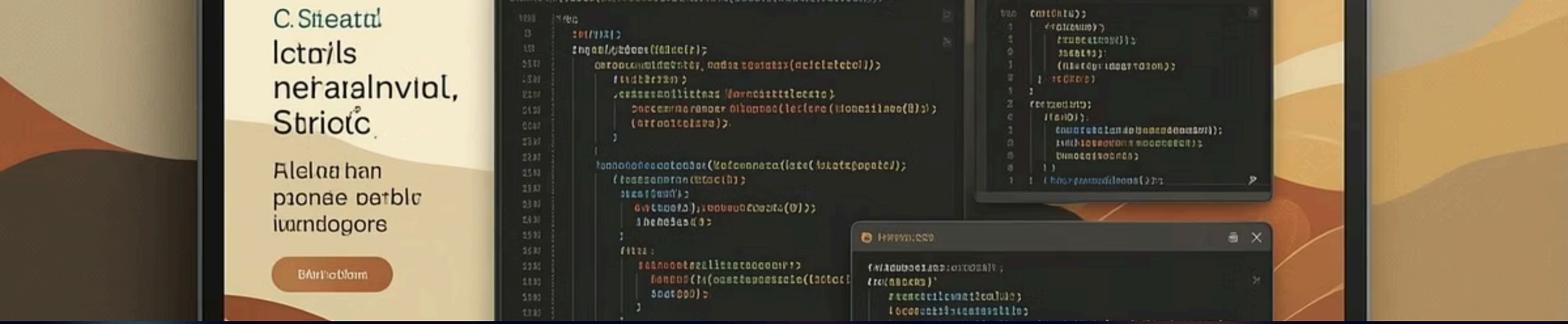
What is Amazon S3?

- Amazon S3 (Simple Storage Service) is an object storage service
- Used to store files like HTML, CSS, images, videos
- Highly scalable, durable, and cost-effective
- Managed service (no server management)



What is Static Website Hosting?

- A static website contains fixed content
- Uses only **HTML, CSS, JavaScript**
- No backend server or database
- Faster and more secure than dynamic websites

Why Use S3 for Static Website Hosting?

Serverless
No EC2 or backend server

Very low cost
Pay only for what you use

High availability
Durable and reliable

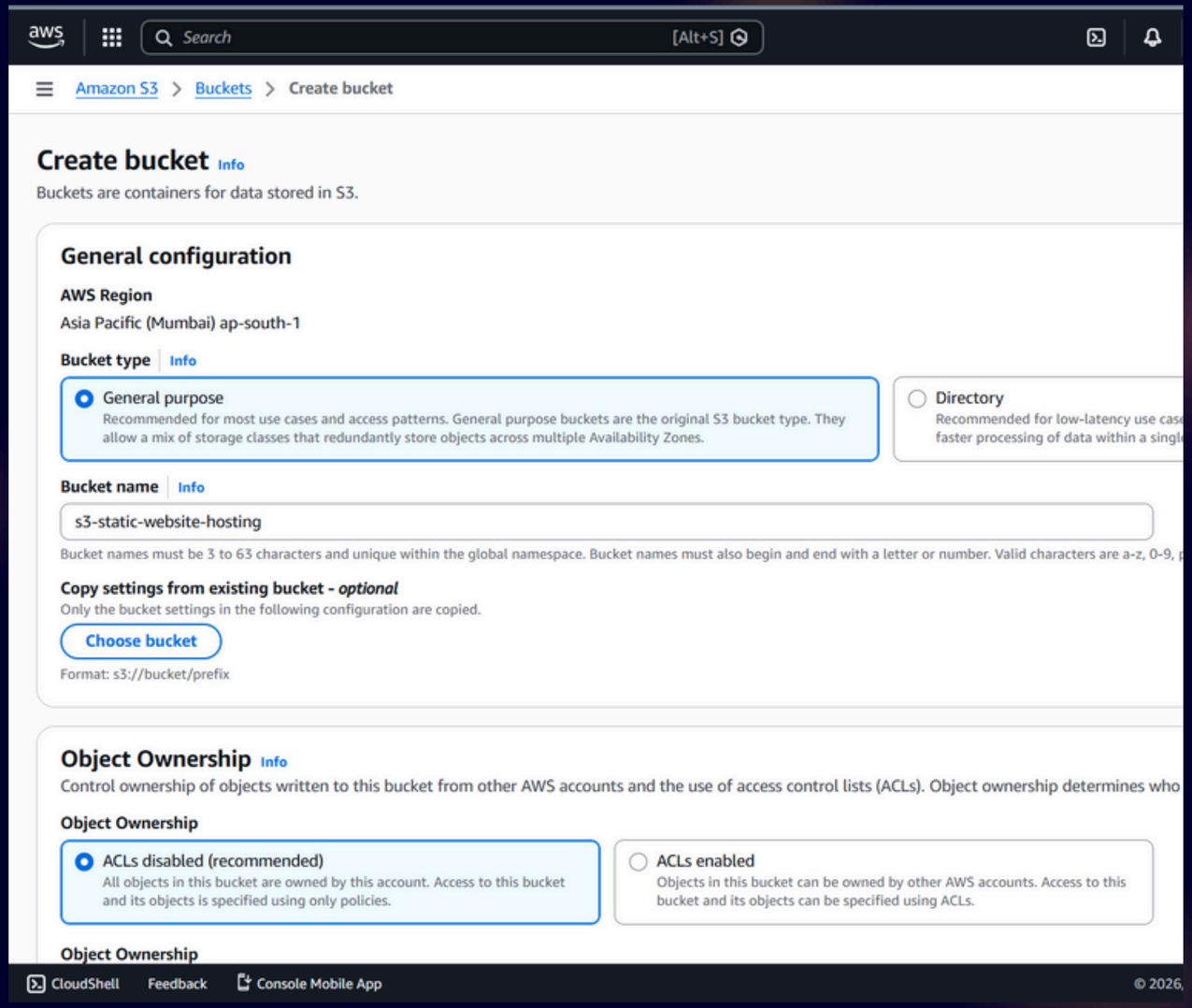
Easy to manage
Simple configuration

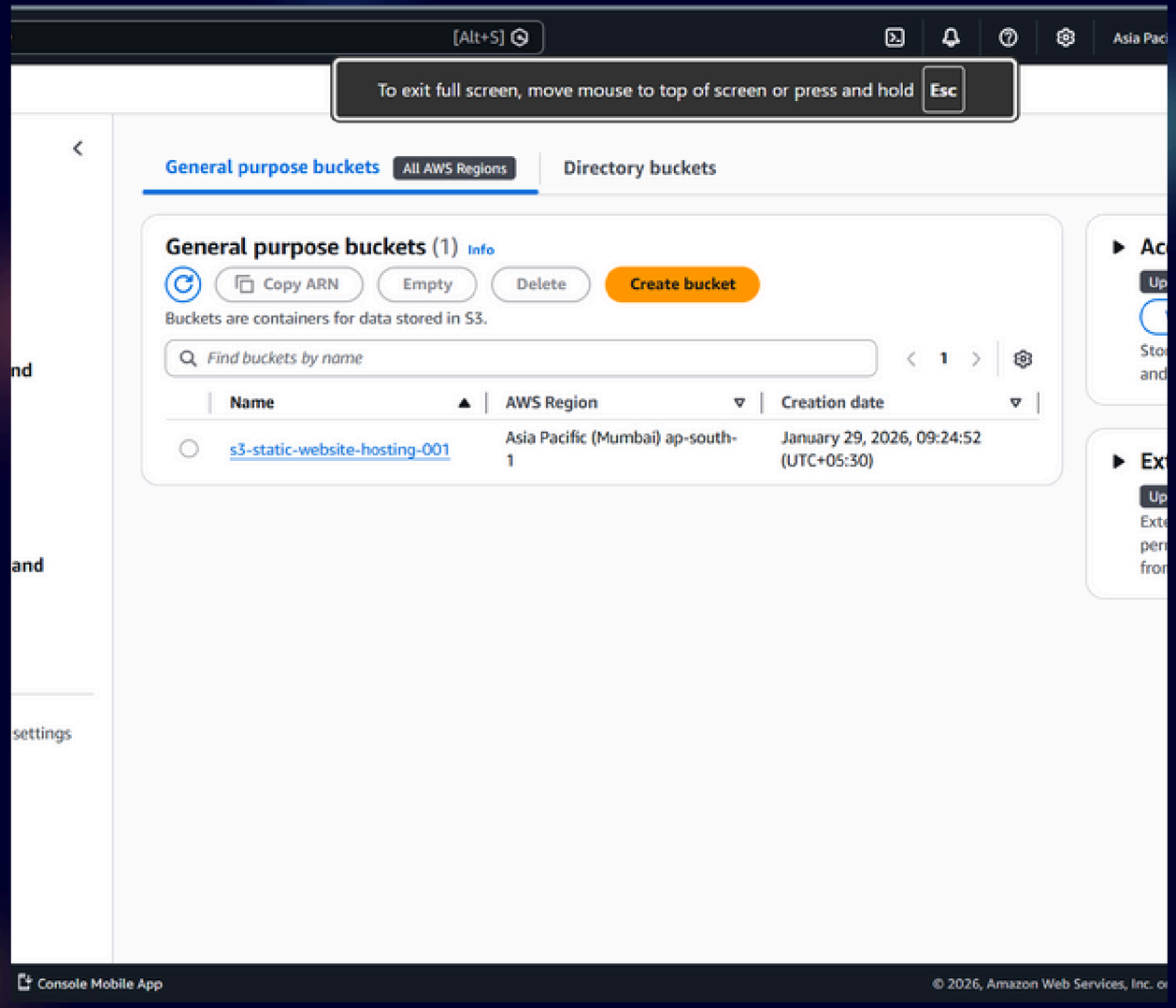
Auto-scaling
Scales automatically

Architecture Overview

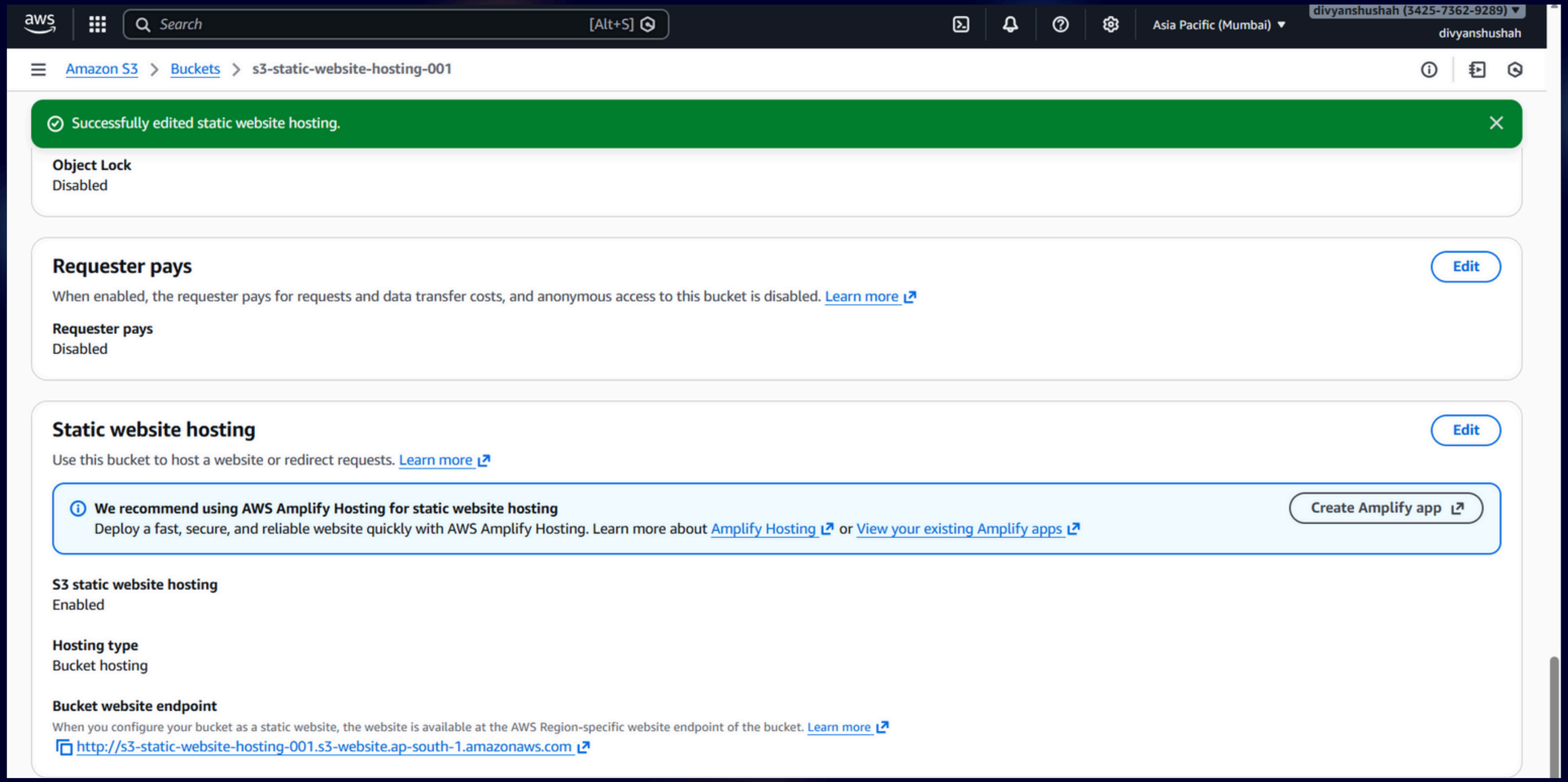
This simple architecture demonstrates how users interact with your static website hosted on Amazon S3 without any server infrastructure.

Step 1 – Create an S3 Bucket

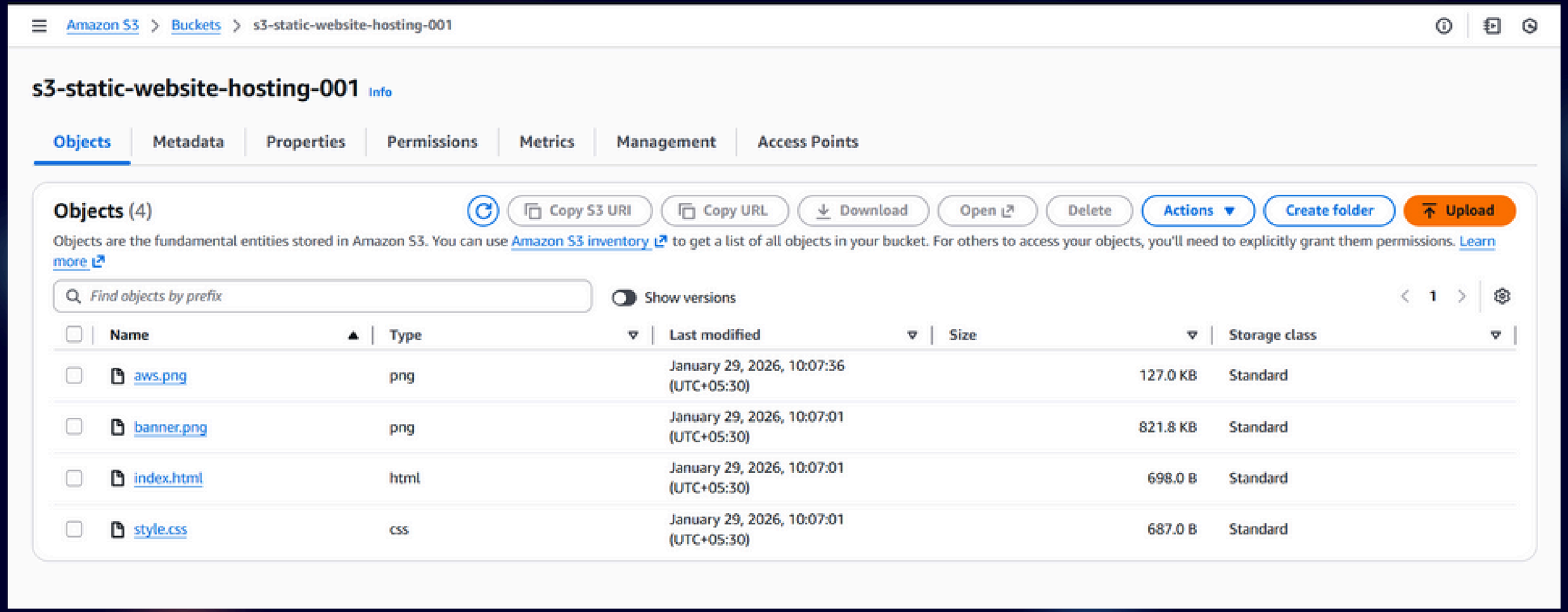




Step 2 – Enable Static Website Hosting



Step 3 – Upload Website Files



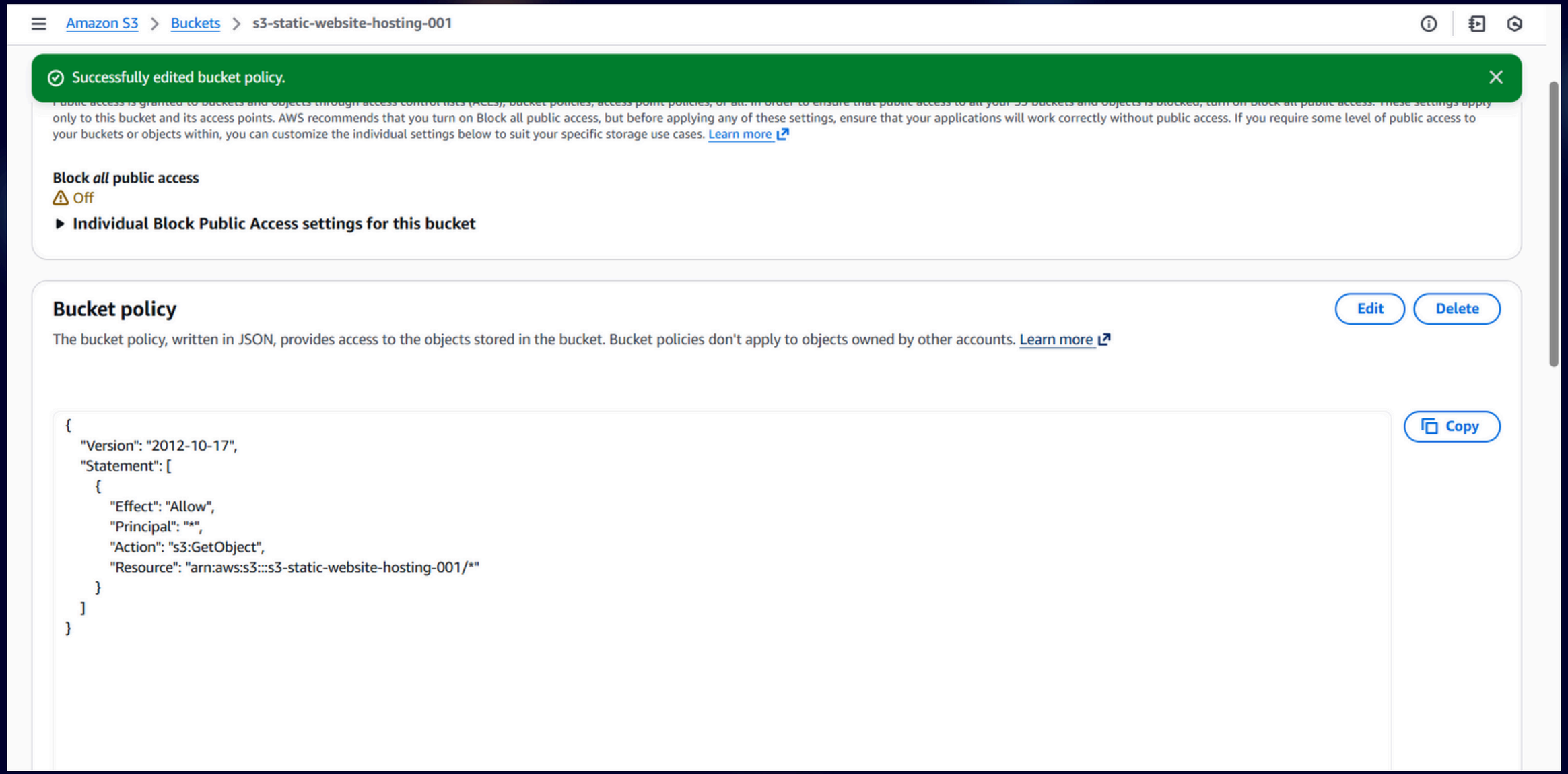
Upload HTML, CSS, and image files

Ensure main file is named index.html

Files will be stored as S3 objects

These files will be served to users

Step 4 – Make Bucket Public And Add Bucket Policy



Outcome & Conclusion

- Static website successfully hosted on S3
- Accessible using S3 website endpoint URL
- Fully serverless solution
- Ideal for portfolios, blogs, landing pages

Outcome: ✅ Serverless static website running in Amazon S3