

EXIT 404

AWS



CloudN

April 6

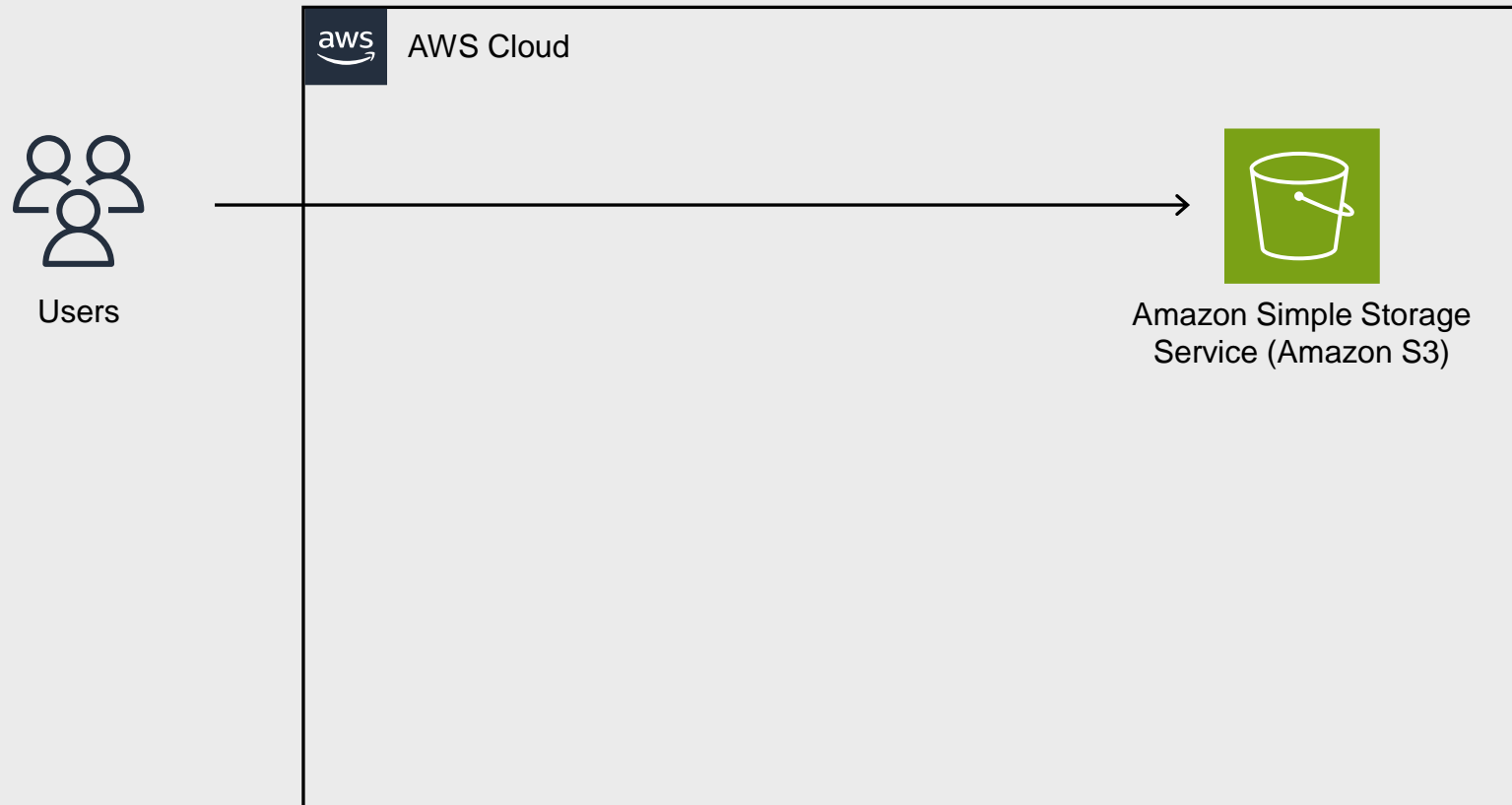
Hosting a Static Website on Amazon S3

Daniel Colón

Agenda

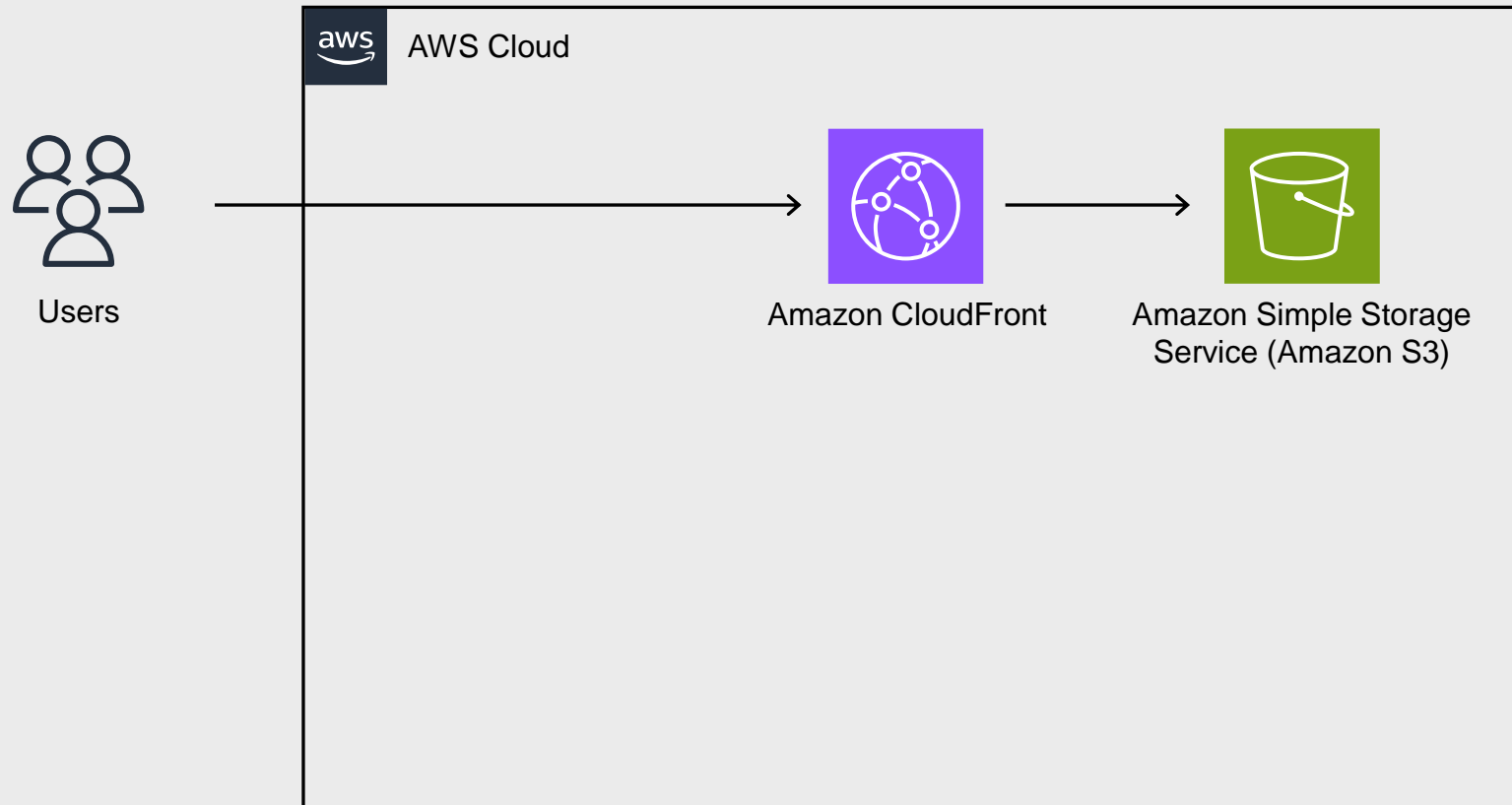
- Static Website Hosting
- Secure Static Website
- Static Website using a Custom Domain
- Dynamic Static Content

AWS Static Website Hosting



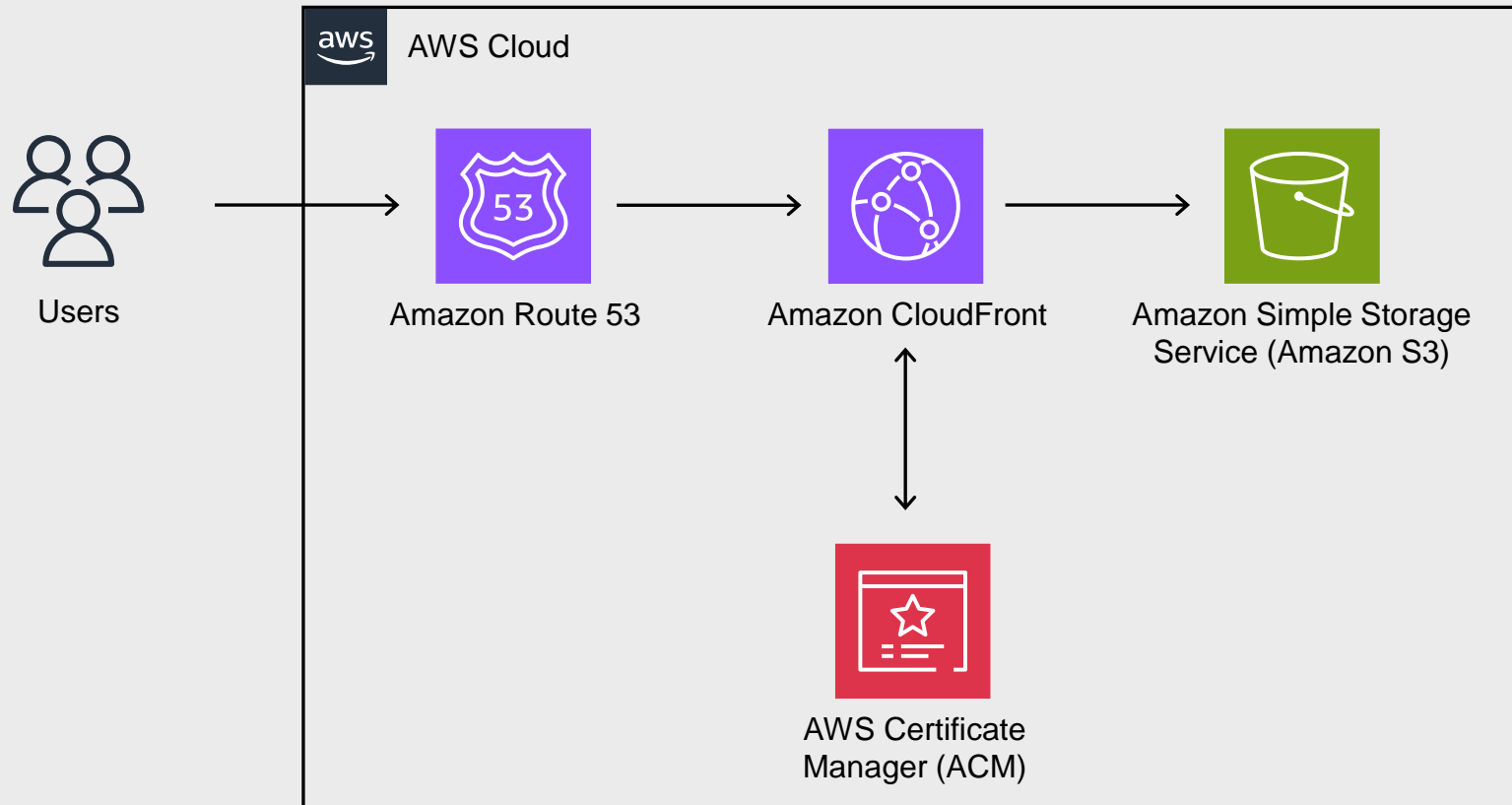
Services	Features
S3	HTTP

AWS Static Website Hosting



Services	Features
S3	HTTP
CloudFront	HTTP, HTTPS, Caching

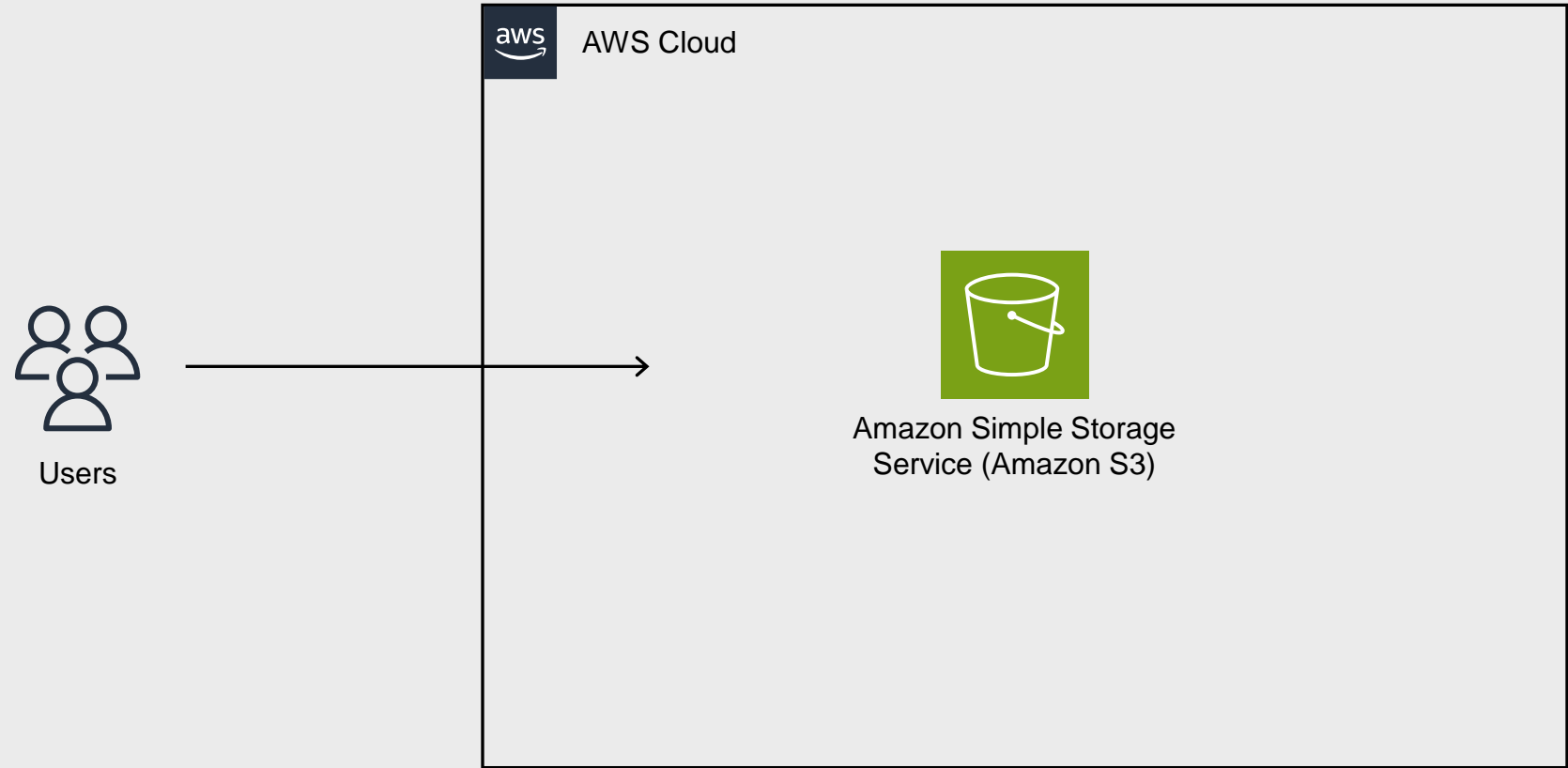
AWS Static Website Hosting



Services	Features
S3	HTTP
CloudFront	HTTP, HTTPS, Caching
Route 53	Custom Domain Name
ACM	SSL

Tutorial:

Configuring a static website on Amazon S3



Introduction

- Amazon S3 (Simple Storage Service) is a scalable object storage service provided by AWS.
- Hosting a static website on S3 is cost-effective, scalable, and simple.

Prerequisites

- 1.AWS Account:** You need an AWS account to create an S3 bucket and configure web hosting.
- 2.Static Website Content:** Prepare your static website files (HTML, CSS, JavaScript, images, etc.).

Simple Storage Service (S3)

- Storage service offering durable, highly available, and scalable data storage at low cost
- Simple key-based object store
- Offers static web hosting



Optional Enhancements

- **Custom Domain**

Configure a custom domain using Route 53 or another DNS provider.

- **HTTPS**

Enable HTTPS using Amazon CloudFront and obtain an SSL certificate.

- **Logging and Monitoring**

Set up S3 logging and enable CloudWatch metrics for monitoring.

- **Dynamic content**

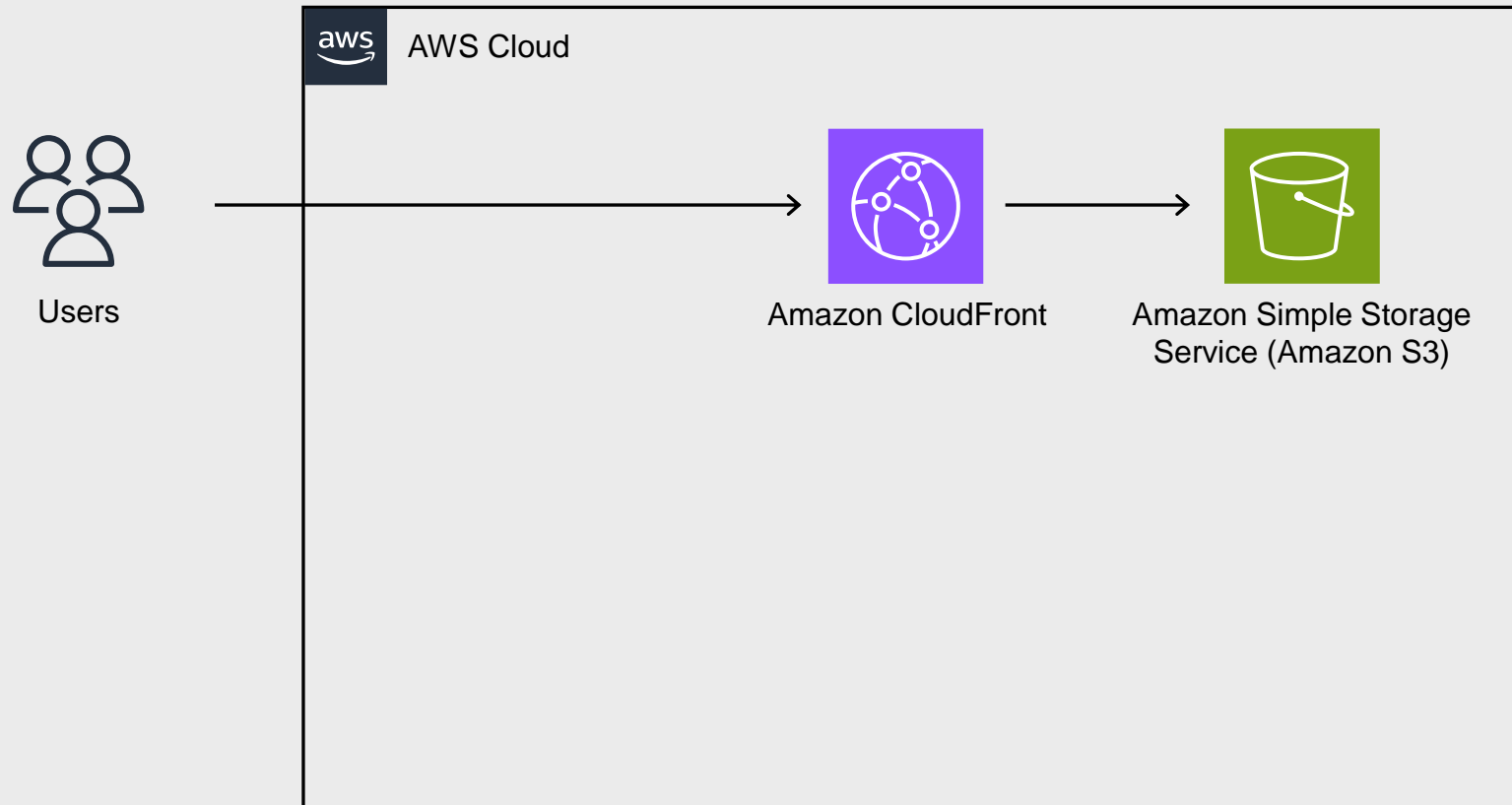
Client-side scripts to provide dynamic content

Demo

Configuring a static website on Amazon S3

Tutorial:

Hosting via CloudFront



Services	Features
S3	HTTP
CloudFront	HTTP, HTTPS, Caching

CloudFront

- Content Delivery Network
- Distribute content with low latency and high data transfer speeds
- Supports wildcard SSL certificates, Dedicated IP, Custom SSL and SNI Custom SSL

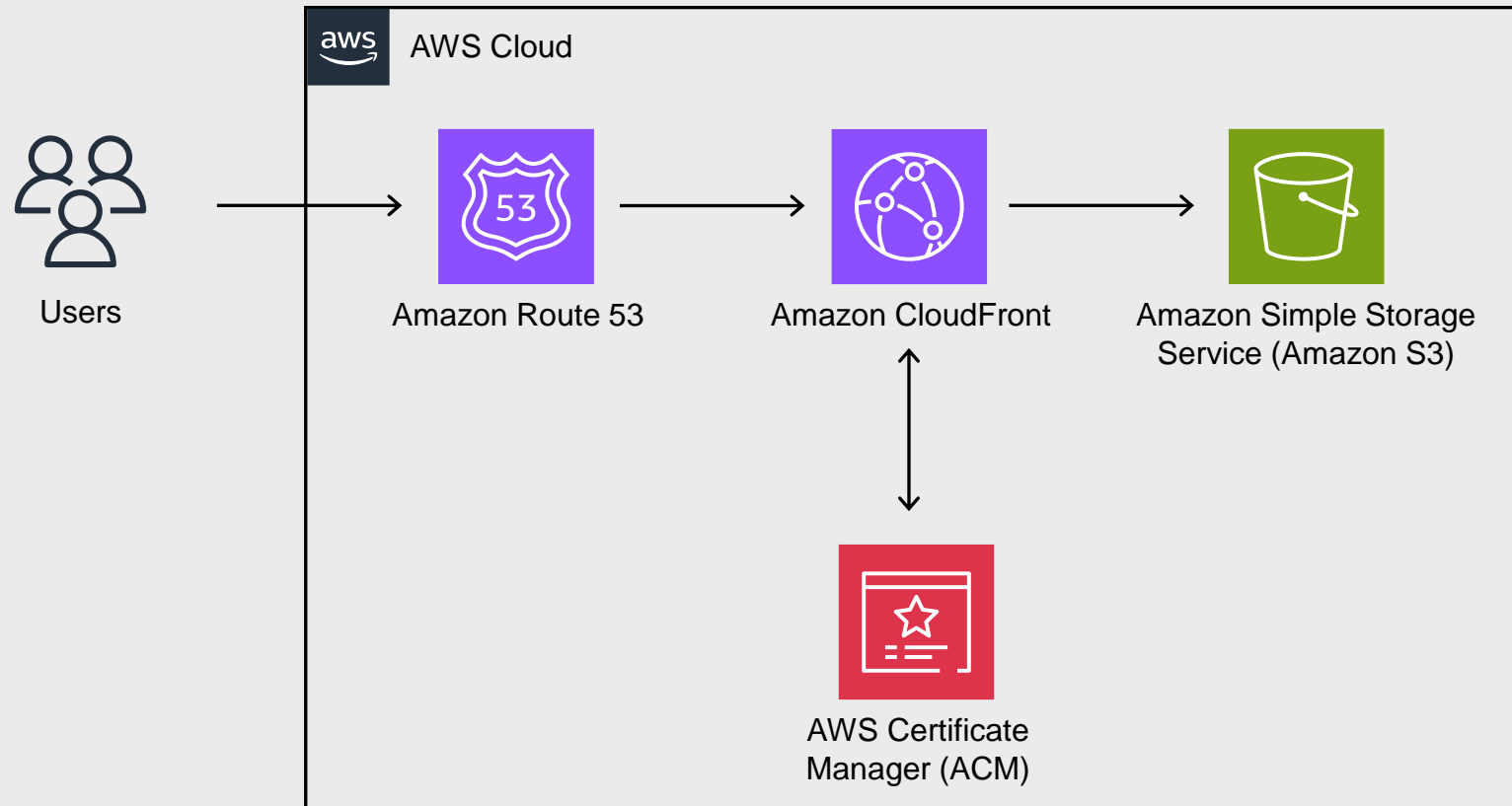




Demo Hosting via CloudFront

Tutorial:

Custom Domains with Route 53



Route 53

- Highly available and scalable Domain Name System (DNS) web service
- Determines how traffic is routed on Internet





Amazon Certificate Manager (ACM)

- Provision, manage, and deploy SSL/TLS certificates
- Free public certificates for ACM-integrated services
- Managed certificate renewal

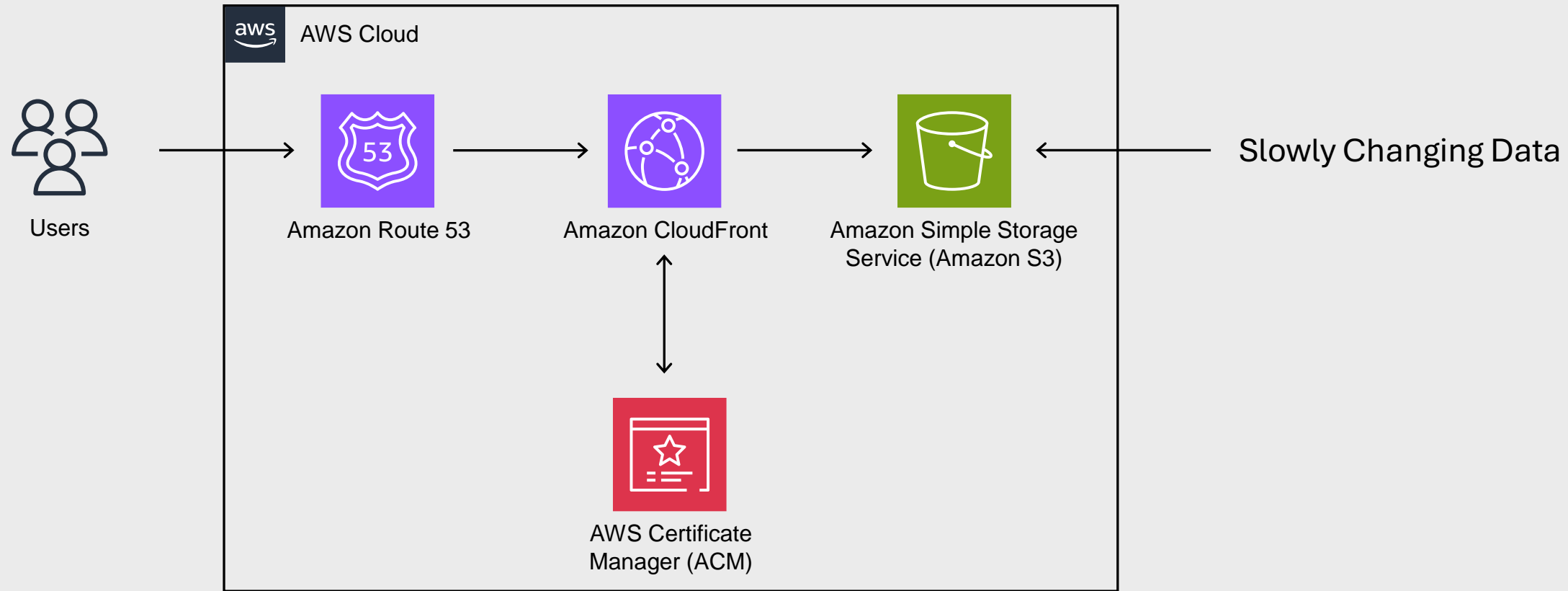


Demo

Custom Domains with Route 53

Tutorial:

Dynamic Static Content



Dynamic Static Content

- Upload File. Invalidate Cache
- Web Server for only the admin area

Conclusion

- Hosting a static website on Amazon S3 is a straightforward and cost-effective solution.
- Leverage additional AWS services for enhanced functionality and security.



Resources



Slides

<https://github.com/danielecolon>



AWS Documentation

<https://docs.aws.amazon.com>