Part 2: Hosting a Static Portfolio Website on S3

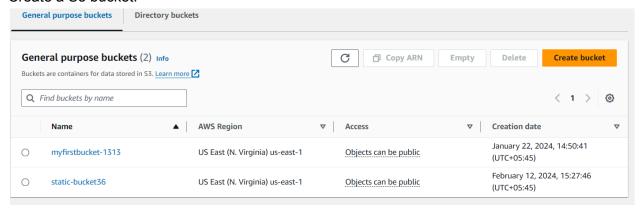
Objective: Learn to host a static website (such as a personal portfolio) on Amazon S3.

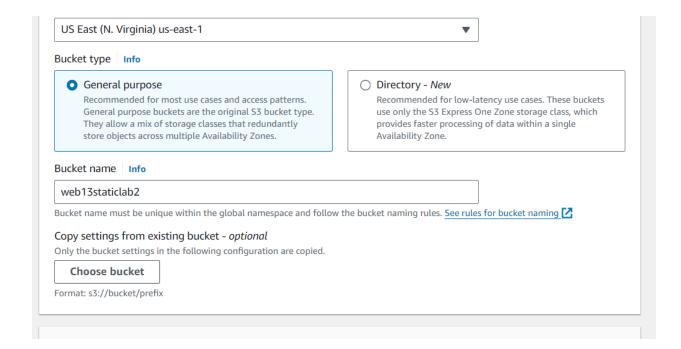
Approach:

- Create an S3 Bucket: Start by creating a new S3 bucket. Configure the bucket for website hosting, which includes setting permissions to make the content publicly accessible.
- 2. **Upload Website Files**: Upload the static files of your portfolio website (HTML, CSS, JavaScript, images) to the S3 bucket.
- 3. **Configure DNS**: Use Amazon Route 53 or another DNS service to point a domain name to the S3 bucket. This makes the website accessible via a user-friendly URL.
- 4. **Enable Additional Features** (Optional): Implement features like HTTPS for secure access and CloudFront for content delivery optimization.

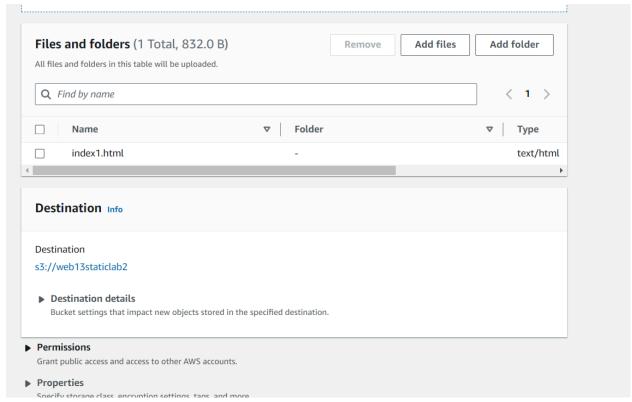
Goal: Students will understand how to use S3 for hosting static websites, manage bucket permissions, and integrate with other AWS services for a complete web hosting solution.

Create a S3 bucket:





Upload index.html to the s3 bucket:



Enable static hosting:

Edit static website hosting Info Static website hosting Use this bucket to host a website or redirect requests. Learn more Static website hosting ○ Disable Enable Hosting type Host a static website Use the bucket endpoint as the web address. Learn more 🔀 O Redirect requests for an object Redirect requests to another bucket or domain. Learn more (3) For your customers to access content at the website endpoint, you must make all your content publicly readable. To do so, you can edit the S3 Block Public Access settings for the bucket. For more information, see Using Amazon S3 Block Public Access 🔀 Index document Specify the home or default page of the website. index1.html

Set S3 bucket policy for as:

Bucket policy

The bucket policy, written in JSON, provides access to the objects stored in the buck

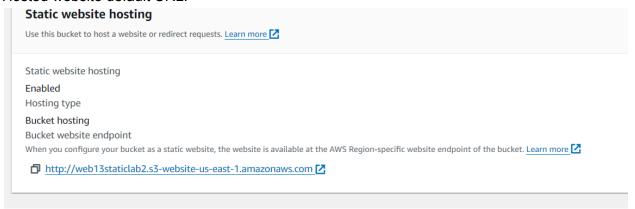
Bucket ARN

arn:aws:s3:::web13staticlab2

Policy

```
1 ▼ {
      "Version":"2012-10-17",
3 ▼ "Statement":[{
4
         "Sid": "PublicReadGetObject",
        "Effect": "Allow",
 5
        "Principal": "*",
6
7
        "Action":["s3:GetObject"],
        "Resource":["arn:aws:s3:::web13staticlab2/*"]
8
9
     }]
10 }
```

Hosted website default URL:



Hosted website:

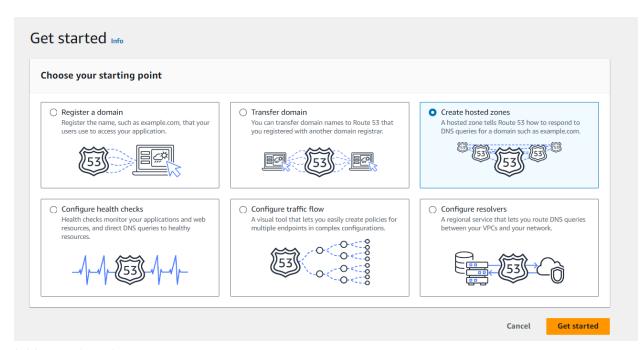


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Using Amazon Route 53: Creating a hosted zone:



Add your domain name:

Hosted zone configuration

A hosted zone is a container that holds information about how you want to route traffic for a domain, such as example.com, and its subdomains.

Domain name Info

This is the name of the domain that you want to route traffic for.

tripathidipesh.com.np

Valid characters: a-z, 0-9, ! " # \$ % & ' () * + , - / : ; < = > ? @ [\] ^ _ ` { | } . ~

Description - optional Info

This value lets you distinguish hosted zones that have the same name.

The hosted zone is used for...

The description can have up to 256 characters. 0/256

Type Info

The type indicates whether you want to route traffic on the internet or in an Amazon VPC.

Public hosted zone

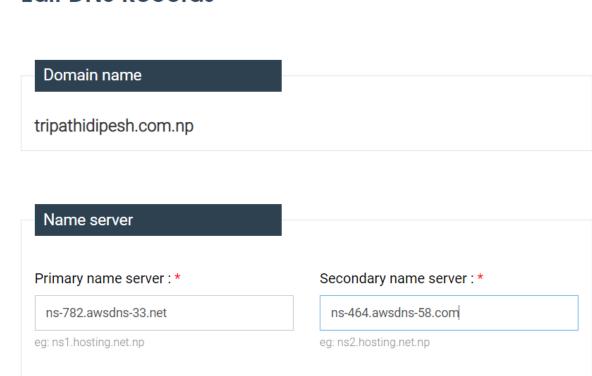
A public hosted zone determines how traffic is routed on the internet.

Private hosted zone

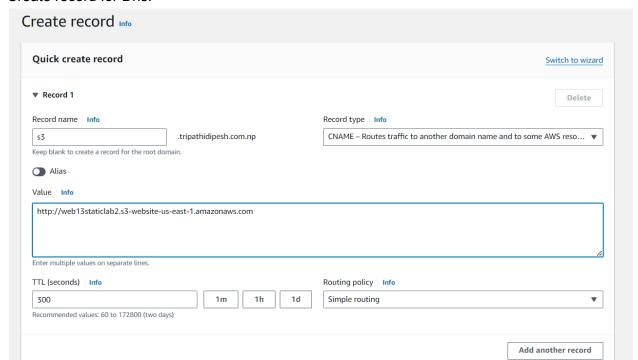
A private hosted zone determines how traffic is routed within an Amazon VPC.

Edit server name:

Edit DNS Records



Create record for Dns:



Due to issue with DNS, I cannot provide my own url:

