INFOTRIX'S

TASK – 1st REPORT

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Introduction:

This report outlines the process of creating an **Amazon S3 bucket** on **AWS** and **hosting a static website using the S3 bucket**. The objective is to provide step-by-step instructions for setting up a static website hosting environment on **AWS** using **S3**. The information presented here is based on various reliable sources .

Resources Referenced:

During the process of **creating the S3 bucket and hosting the static website**, the following resources were referred to:

1. **AWS Official Documentation** - Amazon S3 Documentation The official AWS documentation provides comprehensive information about Amazon S3, including guides on creating buckets, configuring static website hosting, and managing bucket settings.
2. **AWS Management Console** - AWS Management Console The AWS Management Console is a web-based interface provided by AWS for managing various AWS services. It was used for creating the S3 bucket, uploading static website content, and configuring hosting settings.
3. **AWS CLI Documentation** - AWS Command Line Interface The AWS Command Line Interface documentation offers guidance on using the AWS CLI to interact with AWS services, including S3. The CLI can be used for advanced users who prefer command-line interactions over the graphical interface.

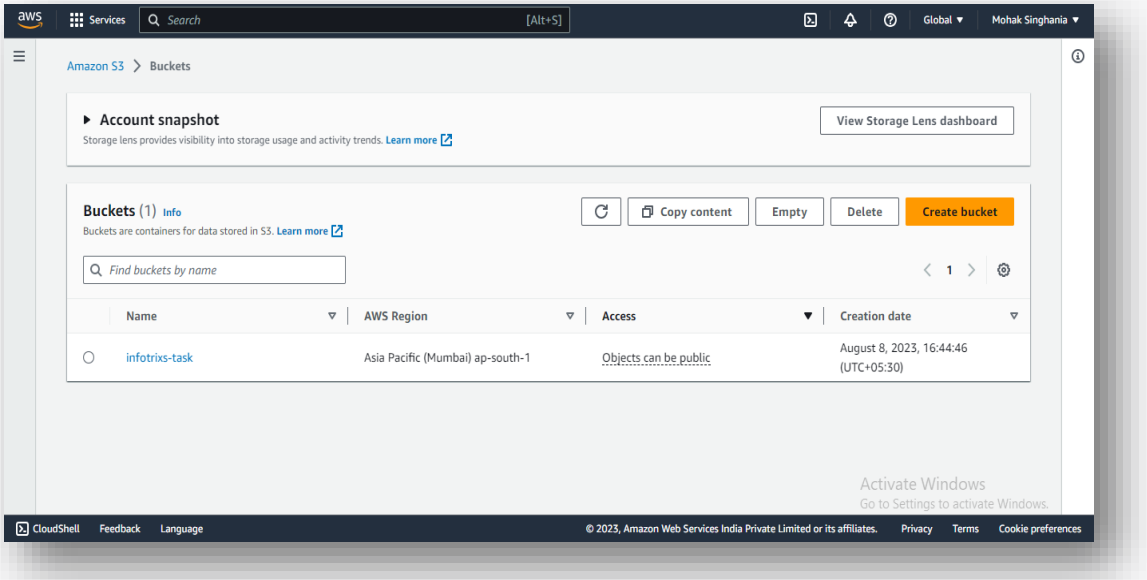
Step-by-Step Process: Creating an S3 Bucket and Hosting a Static Website

Step 1: Sign in to AWS Management Console

1. Open the AWS Management Console.
2. Sign in using your AWS credentials.

Step 2: Create an S3 Bucket

1. From the AWS Management Console dashboard, search for "S3" or navigate to the "Storage" category and select "S3."
2. Click the "Create bucket" button.
3. Enter a unique bucket name and choose a region.
4. Configure additional settings such as versioning and logging (optional).
5. Review and create the bucket.



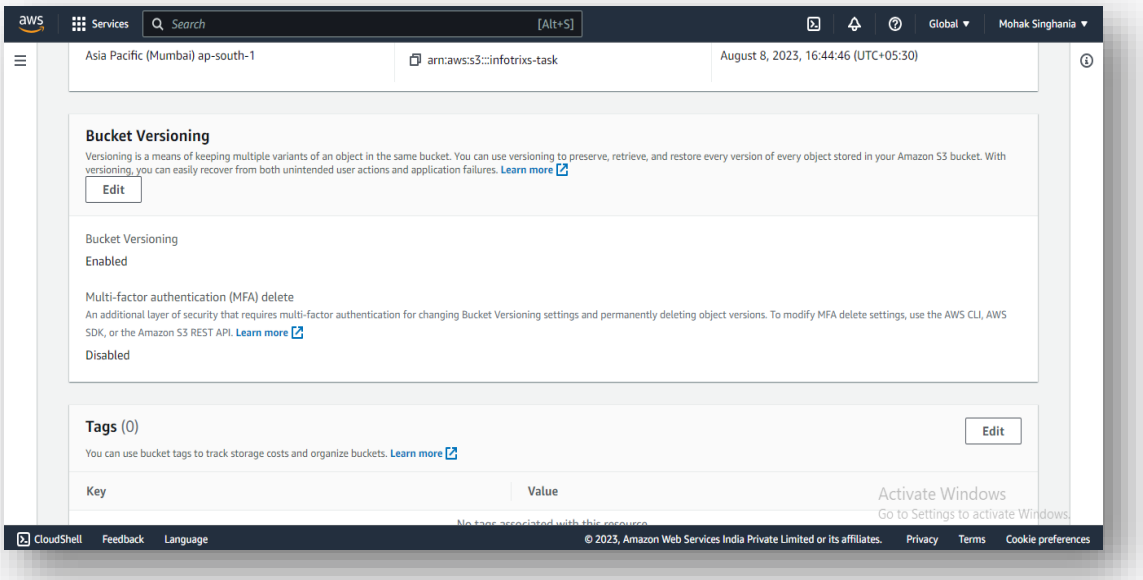
Step 3: Upload Website Content

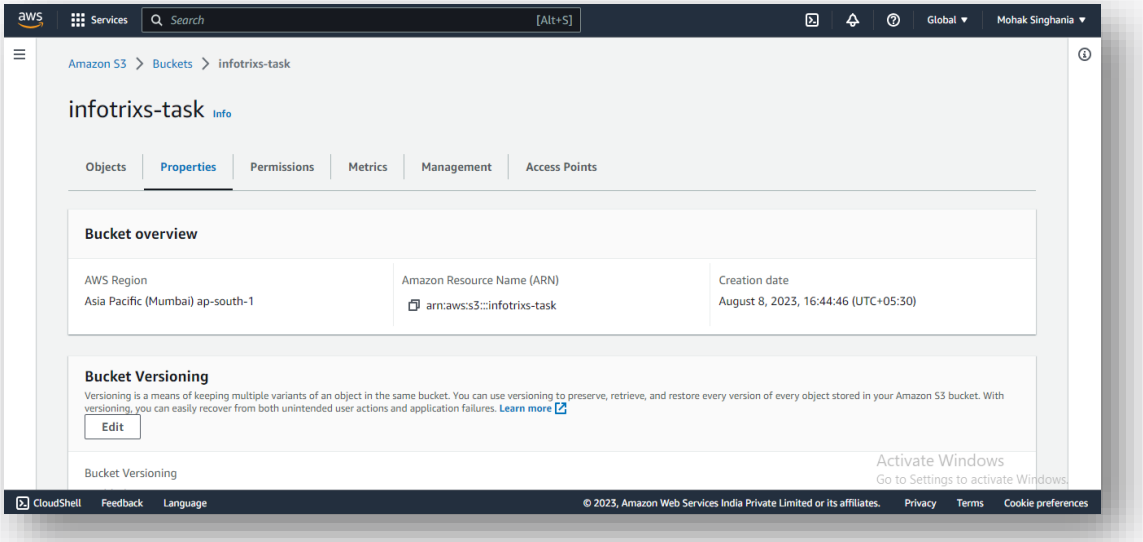
1. Inside the created bucket, navigate to the "Overview" tab.
2. Click the "Upload" button.
3. Select the HTML, CSS, JavaScript, and other static files that comprise your website.
4. Follow the prompts to upload the files to the bucket.

Step 4: Configure Static Website Hosting

1. In the bucket properties, go to the "Static website hosting" section.
2. Choose the "Use this bucket to host a website" option.
3. Specify the index document (e.g., "index.html") and error document (if needed).

4. Save the configuration.





Step 5: Set Permissions

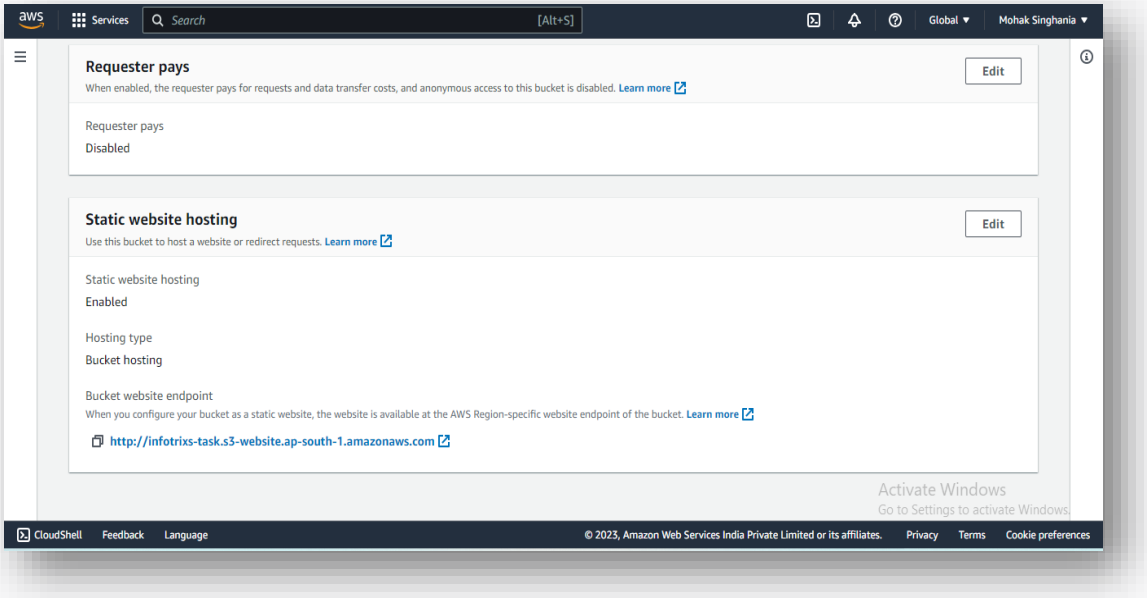
1. Navigate to the "Permissions" tab of the bucket.
2. Configure the bucket policy to allow public access to the website content. Example bucket policy for public access:

```
{
  "Version": "2012-10-17",
  "Statement": [
    {
      "Effect": "Allow",
      "Principal": "*",
```

```
        "Action": "s3:GetObject",
        "Resource": "arn:aws:s3:::your-bucket-name/*"
    }
  ]
}
```

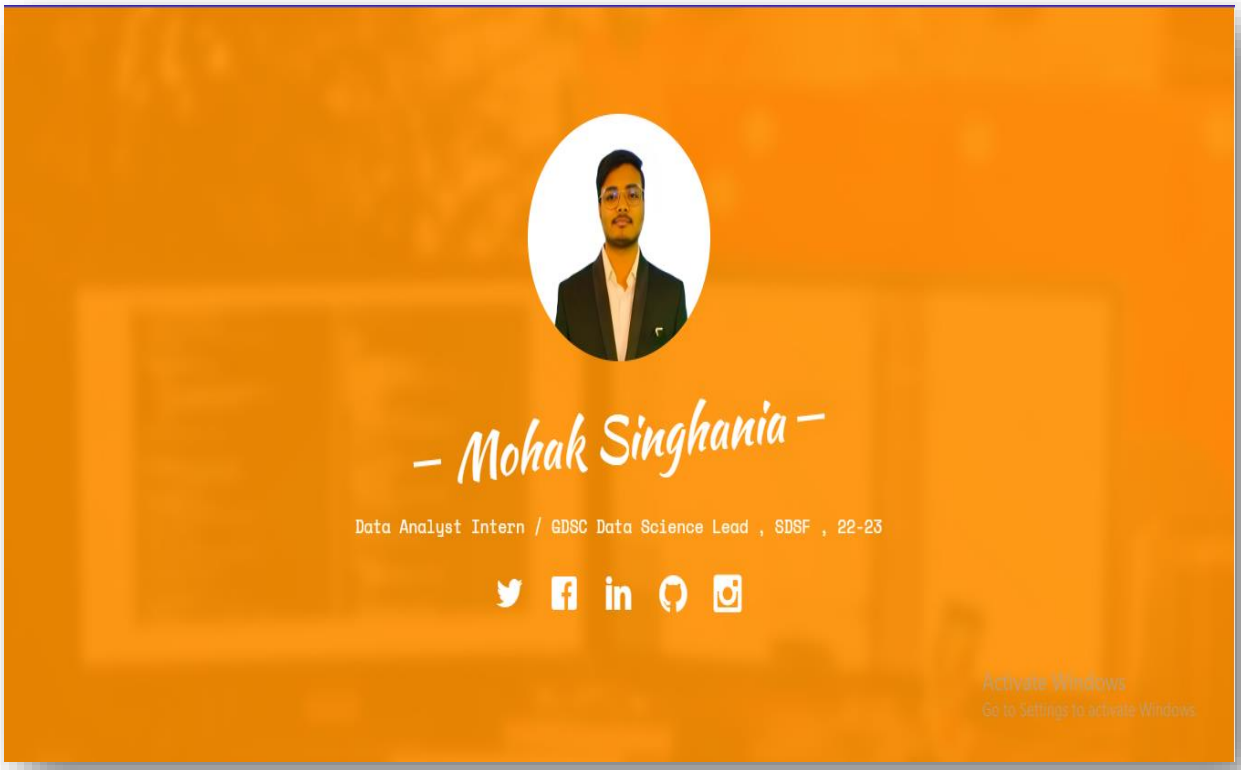
Step 6: Access the Static Website

1. Once the configuration is saved, the bucket's static website endpoint URL will be provided in the "Static website hosting" section.
2. Access the website using the provided URL.



Conclusion:

Creating an S3 bucket and hosting a static website on AWS using S3 is a straightforward process. By following the steps outlined in this report, users can create a bucket, upload their static website content, configure hosting settings, set permissions, and access the website using the provided endpoint URL. The resources mentioned in this report provide comprehensive guidance and documentation for users seeking more information or advanced configurations.



Skills

C++ 85%

Git and Github 80%

MS Office 80%

Data Analytics 80%

Python 75%

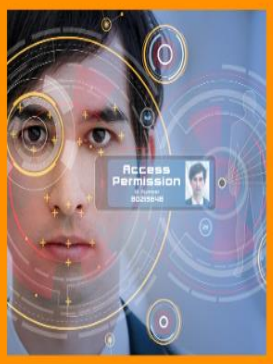
Power BI 75%

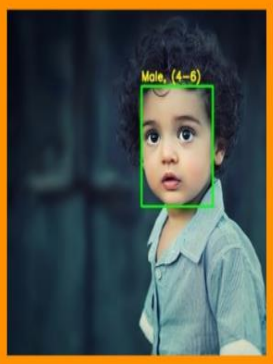
MySQL 72%

Oracle Database 72%

Activate Windows
Go to Settings to activate Windows.

Work





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