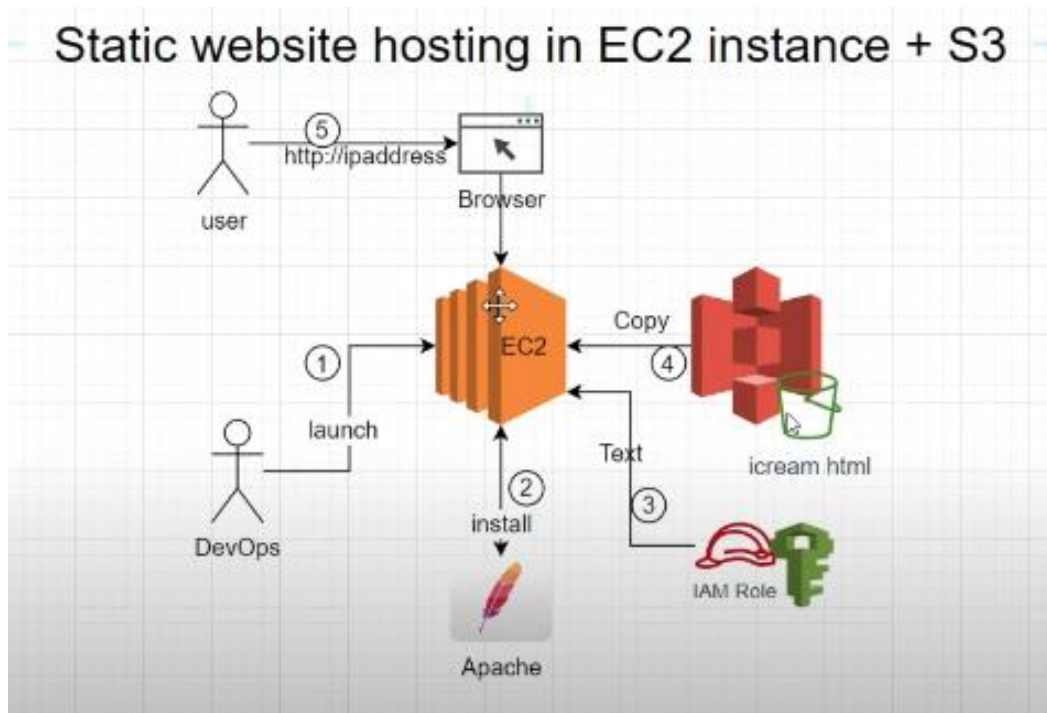


“Hosting a Static Website on AWS EC2 with S3 Bucket Integration”

Architecture of this Project



1.Launching the EC2 instance

The screenshot shows the AWS Management Console for the EC2 instance **i-07850c302522561b7 (my_cafeshop)**. The instance is in the **Running** state. Key details include:

- Instance ID:** i-07850c302522561b7 (my_cafeshop)
- Public IPv4 address:** 3.90.37.37 | [open address](#)
- Private IPv4 addresses:** 172.31.35.11
- Instance state:** Running
- Public IPv4 DNS:** ec2-3-90-37-37.compute-1.amazonaws.com | [open address](#)
- Hostname type:** IP name: ip-172-31-35-11.ec2.internal
- Private IP DNS name (IPv4 only):** ip-172-31-35-11.ec2.internal
- Instance type:** t2.micro
- VPC ID:** vpc-095c33492e69eefcd (my default_vpc) | [open address](#)
- Subnet ID:** subnet-0c723817d7931d0ef | [open address](#)
- Auto-assigned IP address:** 3.90.37.37 [Public IP]
- Answer private resource DNS name:** IPv4 (A)
- Elastic IP addresses:** -
- AWS Compute Optimizer finding:** Opt-in to AWS Compute Optimizer for recommendations. | [Learn more](#)
- Auto Scaling Group name:** -

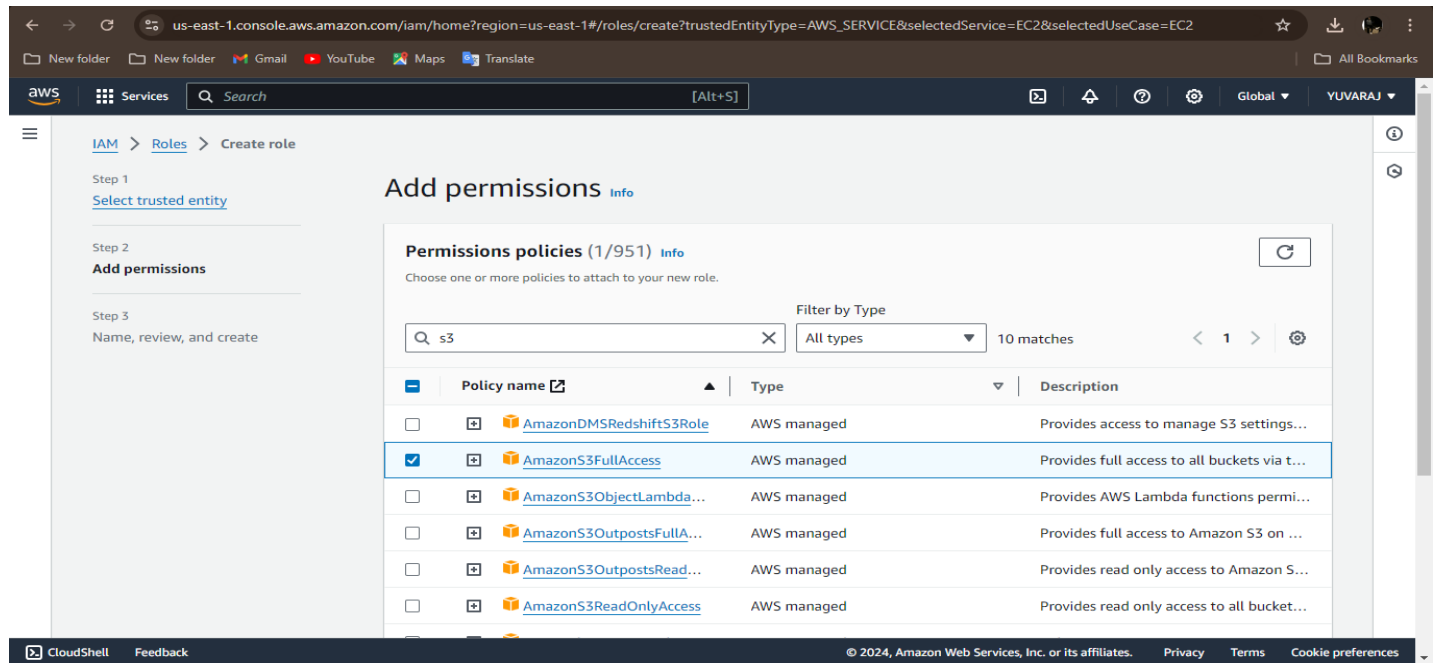
2.Create security group

Allow SSH traffics

Allow HTTPS traffics

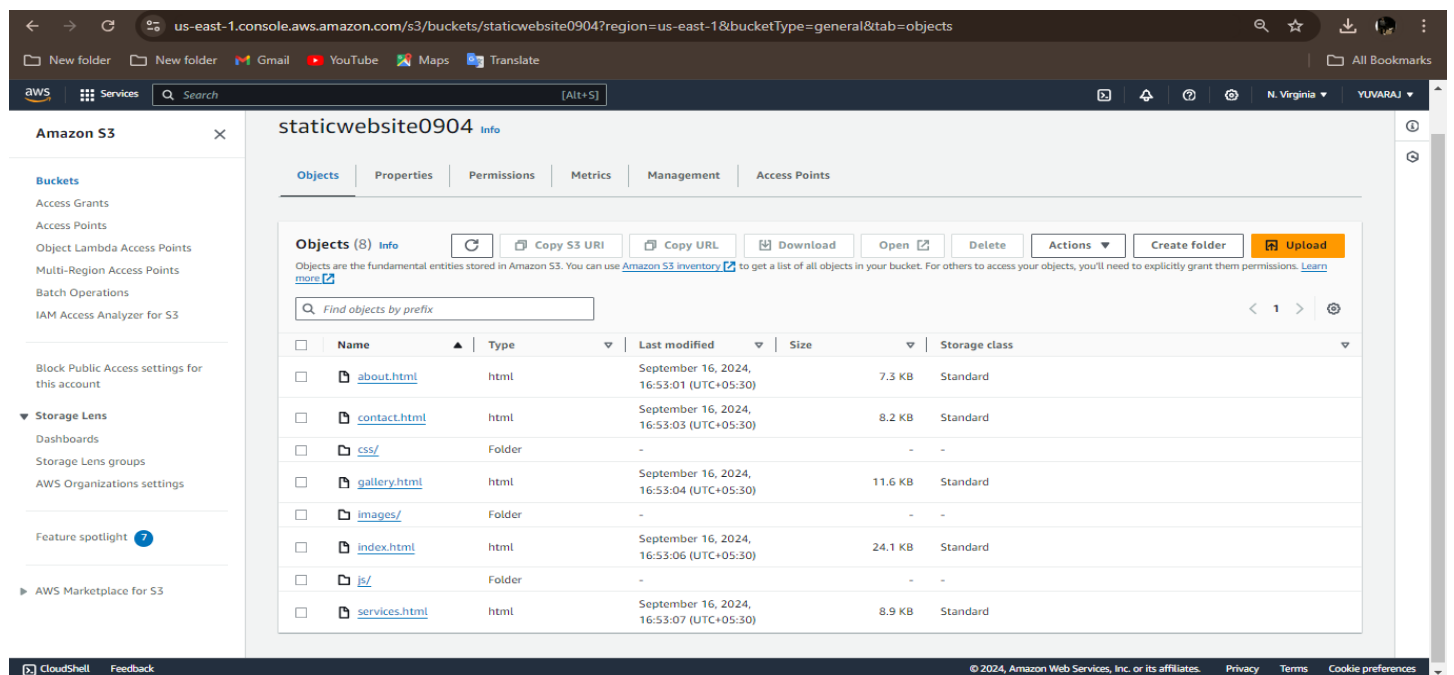
3.Create IAM role for the EC2

amazons3full access



4.Create S3 bucket

After creating the bucket upload the source files (html,css,js etc..)



5.Install Apache web server:

- Open a terminal.

- Use the following commands to install Apache:

```
sudo yum update -y
```

```
sudo yum install apache2 -y
```

- Apache web server will be installed on your system.

2.Check the version and service status of Apache web server:

- To check the Apache version, use the following command:

```
apache2 -v
```

- To check the status of the Apache service, use:

```
sudo systemctl status apache2
```

6.Install HTTPD server:

- Open a terminal.
- Use the following commands to install Apache:

```
sudo yum update
```

```
sudo yum install httpd -y
```

- httpd server will be installed on your system
- To check the status of the httpd service, use:

```
sudo systemctl status httpd
```

.

7.connecting EC2 to S3 Bucket

Run these commands

1. `aws s3 ls`
2. `cd /var/www/html/`
3. `sudo aws s3 cp --recursive s3://”your_bucket_name” .`

8. Access the site with the IP of the EC2:

- Open a web browser on another computer or device.
- Enter the IP address of your EC2 in the browser's address bar.

Final Output

