

AWS Landing Zone Assignment

Created by: Manilka Shalinda

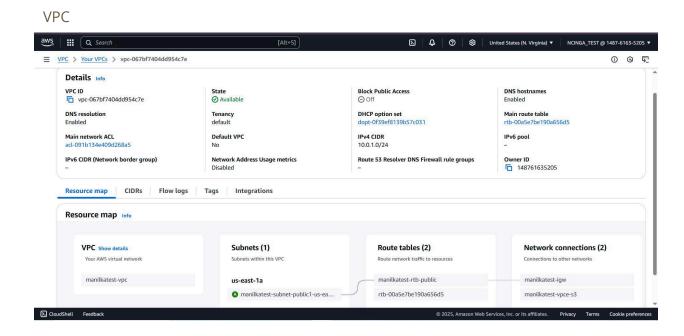
Purpose: To practice setting up a basic AWS environment with EC2 and S3 static

website hosting

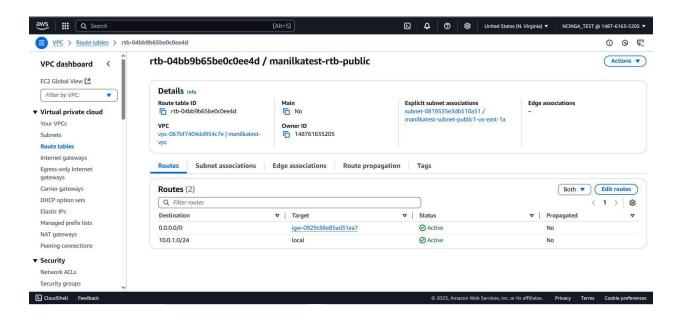
Overview

This project demonstrates the setup of a basic AWS Landing Zone, including creating a VPC with a public subnet, launching an EC2 instance running an Apache web server with a public IP, and configuring an S3 bucket for static website hosting. It covers key AWS services such as networking, compute, and storage, showcasing foundational skills in cloud infrastructure and web hosting.

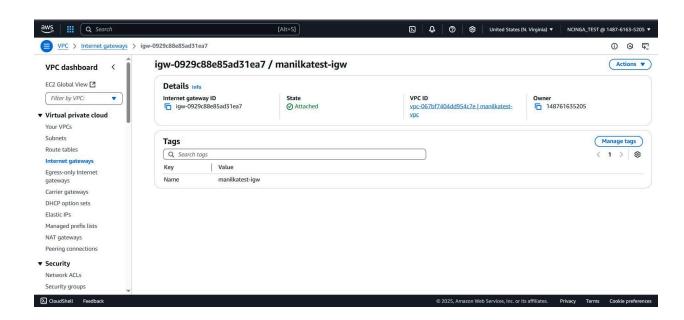
1. VPC and Networking Setup



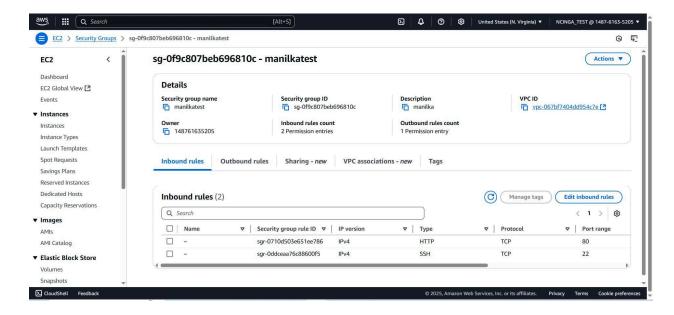
Route Table



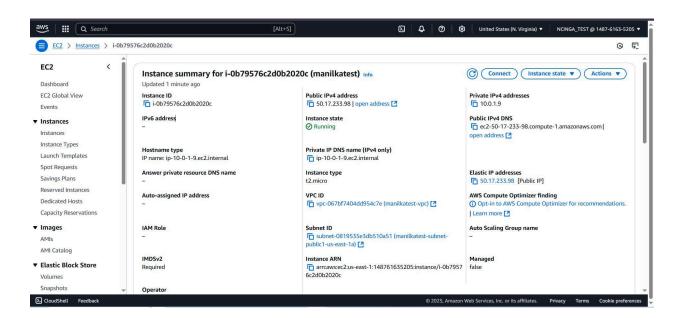
IGW



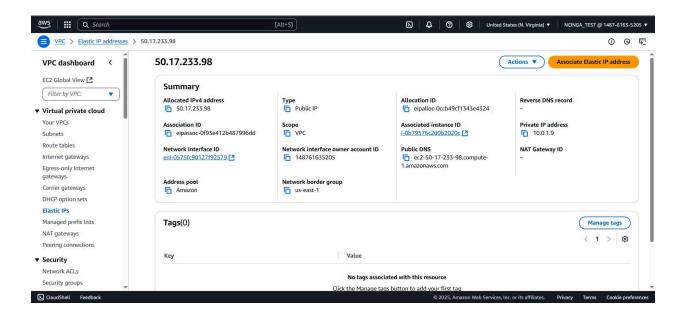
Security Group



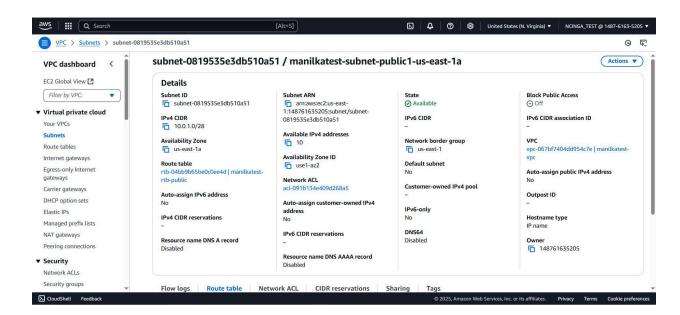
EC2



Elastic IP



Subnet



Web View



Hello, Manilka



Bonus Tasks

Automate with Terraform

Terminal Codes

```
495 terraform version
496 terraform version
497 aws configure
88 8
499 cd besktop/
500 mkdir terraform-aws-setup && cd terraform-aws-setup
501 touch main.tf
503 terraform init
504 terraform plan
505 terraform maply -auto-approve
506 vi main.tf
507 terraform plan
508 terraform init
509 terraform plan
508 terraform init
509 terraform minit
511 terraform init
512 terraform minit
512 terraform minit
513 terraform apply -auto-approve
514 terraform init
517 terraform minit
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519 vi main.tf
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522 vi main.tf
523 terraform init
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Terraform file

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region = "us-eact-1" of charge to your desired Ass region

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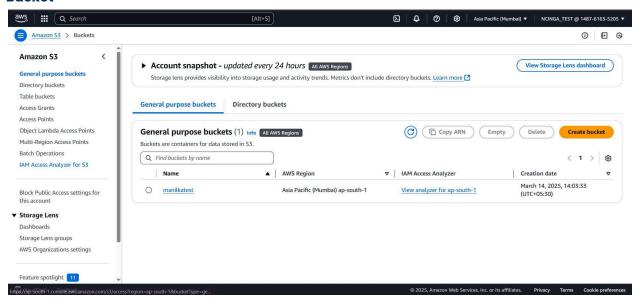
Web View



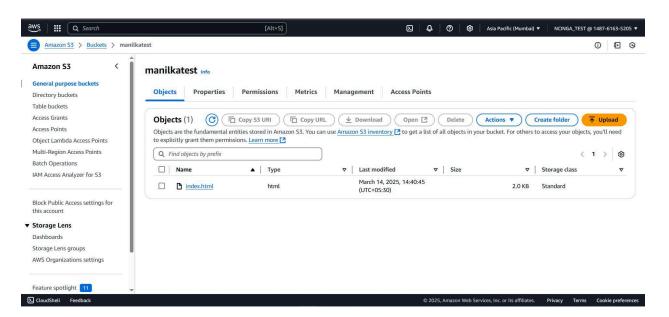
Hello Manilka, Welcome to terraform

Static Website on Amazon S3

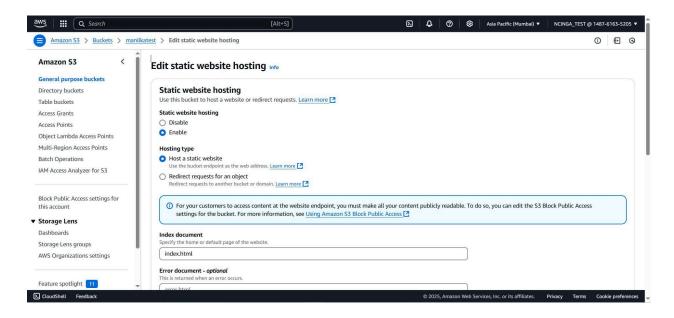
Bucket



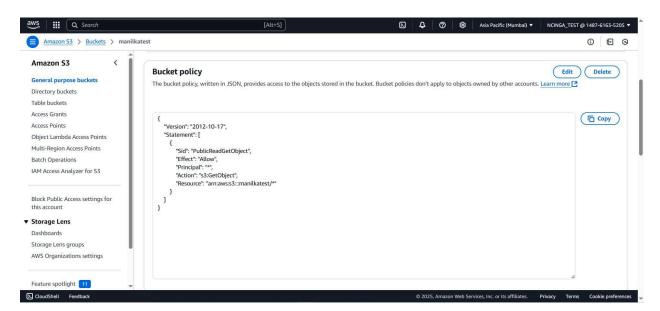
Object



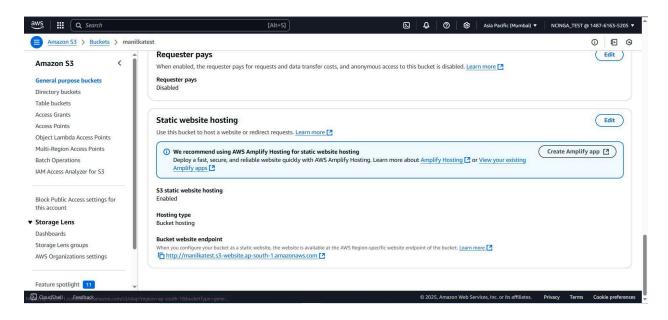
Enable Static Web



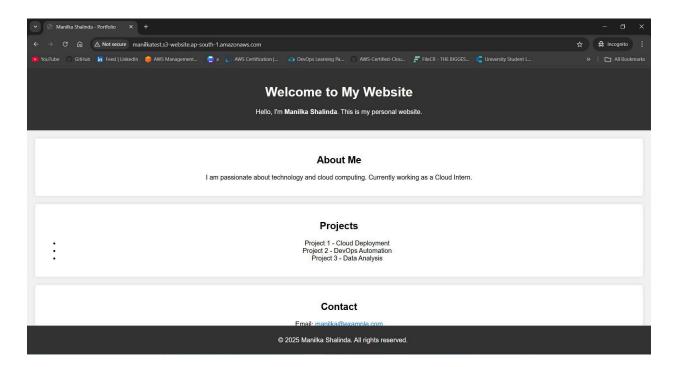
Edit Bucket Policy



Static Web Endpoint



Web View



Automate Static In S3

Terraform file

```
A MACMASA/Chamban/Desaphrandrom-3-ahaga

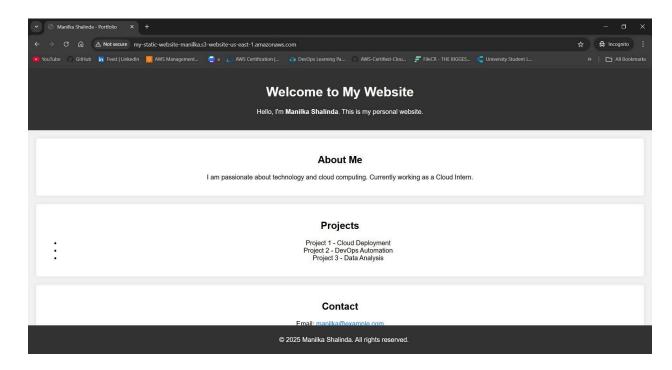
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| Profine "Un-elect-1" # Change to your preferred AKS region
| Create and Bucket, "Research "Res. 3. Bucket, "Static_Site," {
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```

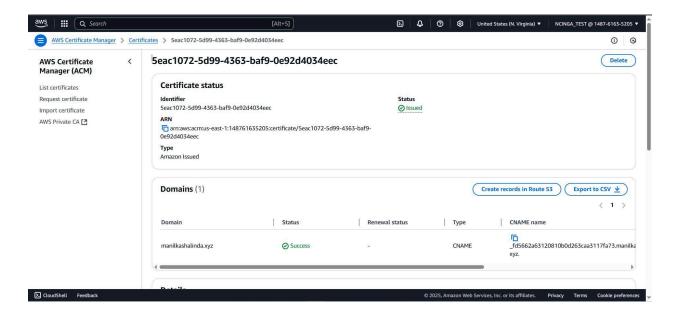
Codes

```
532
 533 cd Desktop/
 534 mkdir terraform-S3-setup && cd terraform-S3-setup
535 touch main.tf
 536 vi main.tf
       terraform init
terraform init
 537
 538
       terraform plan
terraform init
 539
 540
       terraform plan
terraform apply -auto-approve
 541
 542
       clear
 543
 544 vi main.tf
 545 terraform init
546 terraform plan
 547 terraform apply -auto-approve
 548 terraform output website_url
 549 history
manil@DESKTOP-E7NBFU2 MINGW64 ~/Desktop/terraform-S3-setup
```

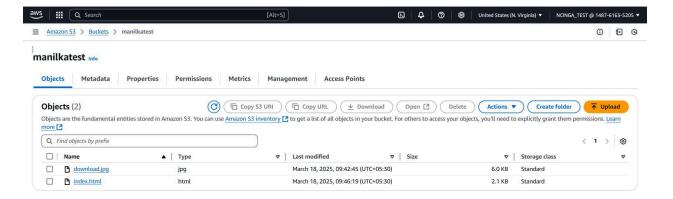
Web View



SSL Certificate

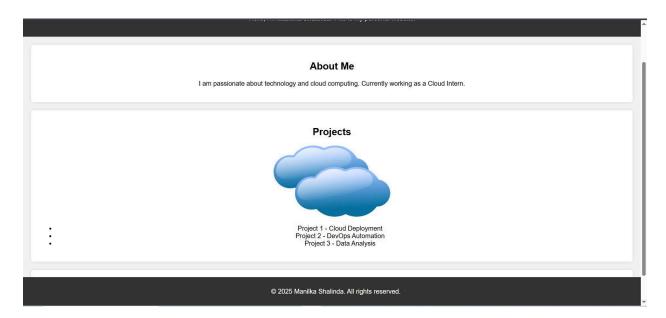


Static file storage

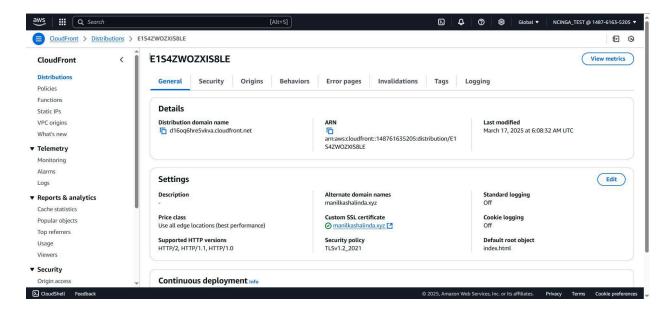


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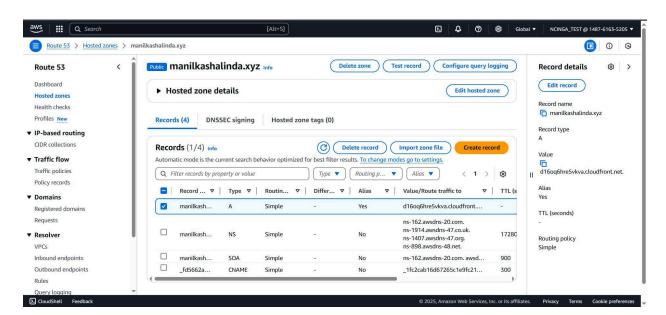
web view



CloudFront



Route53



Web View(HTTPS)

