# Multi-Region Disaster Recovery

## Objective

To design and implement a multi-region disaster recovery (DR) architecture using AWS services, where infrastructure is deployed in two AWS regions: one as Primary (active) and the other as Disaster Recovery (standby). The infrastructure will ensure:

High availability and scalability,

Cross-region data replication,

Automatic failover and failback,

Infrastructure as Code using Terraform for consistency and repeatability.

**AWS Services Used** 

**VPC**: Network isolation in each region (public/private subnets)

EC2: Host static web content from S3 via user\_data

**Application Load Balancer**: Load traffic across EC2 instances

Auto Scaling Group: Ensure high availability and scaling

**S3**: Static content and cross-region replication

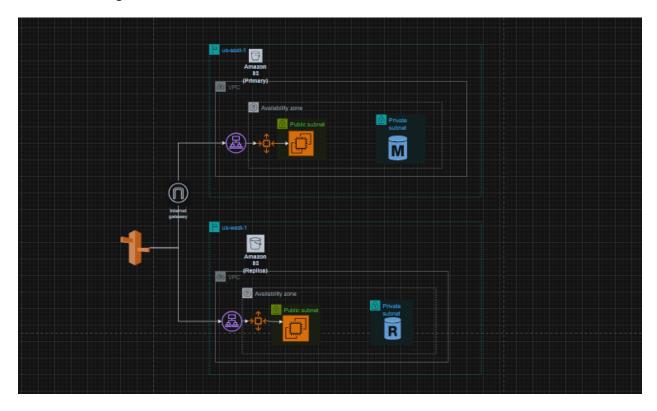
RDS (MySQL): Primary DB in Region 1, replica in Region 2

Route 53: DNS-based failover to redirect traffic to DR region

IAM: Permissions for EC2, S3 replication, etc.

Terraform: Infrastructure as Code (IaC) for automation

# Architecture diagram



It is designed to provide high availability and disaster recovery for a web application by distributing its components across two separate AWS region .It ensures that if the primary region becomes unavailable, traffic can be automatically failed over to a secondary region with minimal data loss and downtime .

## Terraform files over view

1. providers.tf

Defines the AWS provider and region

```
terraform {
  required_providers {
    aws = {
      source = "hashicorp/aws"
      version = ">= 6.0"

    }
  }
}
# Provider for the Primary Region
```

```
provider "aws" {
   alias = "primary"
   region = var.primary_region
}
#Provider for the secondary region
provider "aws" {
   alias = "secondary"
   region = var.secondary_region
}
```

#### 2. variables.tf

All inputs to make the infrastructure reusable and modular

```
variable "primary_region" {
  default = "us-east-1"
variable "secondary_region" {
  default = "us-west-1"
variable "vpc_cidr" {
  default = "192.168.4.0/24"
variable "public_subnet_cidr_1" {
  default = "192.168.4.0/26"
variable "public subnet cidr 2" {
  default = "192.168.4.64/26"
variable "private_subnet_cidr_1" {
  default = "192.168.4.128/26"
variable "private_subnet_cidr_2" {
  default = "192.168.4.192/26"
variable "availability_zone_1" {
```

```
default = "us-east-1a"
variable "availability zone 2" {
  default = "us-east-1b"
#cidr of secondary region
variable "vpc_cidr_secondary" {
  default = "192.168.5.0/24"
variable "public_subnet_cidr_1_secondary" {
  default = "192.168.5.0/26"
variable "public_subnet_cidr_2_secondary" {
 default = "192.168.5.64/26"
variable "private_subnet_cidr_1_secondary" {
  default = "192.168.5.128/26"
variable "private subnet cidr 2 secondary" {
  default = "192.168.5.192/26"
variable "availability_zone_1_secondary" {
  default = "us-west-1a"
variable "availability_zone_2_secondary" {
  default = "us-west-1c"
#RDS
variable "db username" {
default = "admin"
variable "db_password" {
  default = "MySecurePassword123"
```

3. main.tf

VPC and Networking (in Both Regions)

S3 Buckets

Compute Layer – EC2, ALB, ASG

Database - RDS

```
# ----- PRIMARY REGION -----
# VPC
resource "aws_vpc" "primary" {
  provider = aws.primary
 cidr_block = var.vpc_cidr
       = { Name = "Primary-VPC" }
resource "aws_internet_gateway" "primary" {
 provider = aws.primary
  vpc_id = aws_vpc.primary.id
# Public Subnets
resource "aws_subnet" "primary_public_1" {
 provider
                        = aws.primary
 vpc id
                        = aws vpc.primary.id
 cidr_block
                       = var.public_subnet_cidr_1
  availability_zone = var.availability_zone_1
 map_public_ip_on_launch = true
                         = { Name = "Primary-Public-Subnet-1" }
  tags
resource "aws_subnet" "primary_public_2" {
 provider
                        = aws.primary
 vpc id
                       = aws_vpc.primary.id
                        = var.public_subnet_cidr_2
  cidr_block
  availability_zone = var.availability_zone_2
 map_public_ip_on_launch = true
                         = { Name = "Primary-Public-Subnet-2" }
  tags
```

```
# Private Subnets
resource "aws_subnet" "primary_private_1" {
  provider
                 = aws.primary
 vpc_id
                  = aws_vpc.primary.id
  cidr_block = var.private_subnet_cidr_1
  availability_zone = var.availability_zone_1
                   = { Name = "Primary-Private-Subnet-1" }
  tags
resource "aws_subnet" "primary_private_2" {
                  = aws.primary
  provider
 vpc_id
                  = aws_vpc.primary.id
 cidr block
                  = var.private subnet cidr 2
 availability_zone = var.availability_zone_2
                  = { Name = "Primary-Private-Subnet-2" }
  tags
resource "aws_route_table" "primary_public_rt" {
  provider = aws.primary
  vpc_id = aws_vpc.primary.id
 route {
   cidr_block = "0.0.0.0/0"
    gateway_id = aws_internet_gateway.primary.id
resource "aws_route_table_association" "primary_public_assoc_1" {
 provider
                = aws.primary
               = aws_subnet.primary_public_1.id
  route_table_id = aws_route_table.primary_public_rt.id
resource "aws_route_table_association" "primary_public_assoc_2" {
                = aws.primary
 provider
               = aws_subnet.primary_public_2.id
  subnet id
  route_table_id = aws_route_table.primary_public_rt.id
resource "aws_security_group" "primary_web_sg" {
           = aws.primary
  provider
 name
             = "primary-web-sg"
```

```
description = "Allow HTTP"
  vpc id
         = aws vpc.primary.id
  ingress {
   from_port = 80
  to_port = 80
              = "tcp"
   protocol
   cidr_blocks = ["0.0.0.0/0"]
 egress {
   from port = 0
   to_port = 0
   protocol = "-1"
   cidr_blocks = ["0.0.0.0/0"]
# IAM Role for EC2 (with S3 readonly access)
resource "aws iam role" "ec2 role" {
  name = "ec2-s3-read-role"
 assume_role_policy = jsonencode({
   Version = "2012-10-17",
   Statement = [{
     Effect = "Allow",
     Principal = { Service = "ec2.amazonaws.com" },
     Action = "sts:AssumeRole"
   }]
  })
resource "aws_iam_role_policy_attachment" "ec2_s3_readonly" {
           = aws iam role.ec2 role.name
  policy_arn = "arn:aws:iam::aws:policy/AmazonS3ReadOnlyAccess"
resource "aws_iam_instance_profile" "ec2_profile" {
 name = "ec2-instance-profile"
  role = aws_iam_role.ec2_role.name
# Latest Amazon Linux 2 AMI
data "aws_ami" "amazon_linux_primary" {
 provider = aws.primary
```

```
most_recent = true
  owners = ["amazon"]
  filter {
         = "name"
   name
   values = ["amzn2-ami-hvm-*-x86 64-gp2"]
# S3 Bucket for static files
resource "aws_s3_bucket" "primary_bucket" {
 provider = aws.primary
 bucket = "oneill123"
resource "aws_s3_bucket_versioning" "primary_bucket_versioning" {
 provider = aws.primary
 bucket = aws_s3_bucket.primary_bucket.id
 versioning_configuration {
   status = "Enabled"
resource "aws_s3_bucket_policy" "primary_public_read" {
  provider = aws.primary
 bucket = aws_s3_bucket.primary_bucket.id
 policy = jsonencode({
   Version = "2012-10-17",
   Statement = [{
              = "PublicRead",
     Sid
     Effect = "Allow",
     Principal = "*",
     Action = "s3:GetObject",
     Resource = "arn:aws:s3:::${aws_s3_bucket.primary_bucket.id}/*"
   }]
 })
resource "aws_s3_object" "html" {
            = aws.primary
 provider
 bucket
             = aws_s3_bucket.primary_bucket.id
```

```
= "index.html"
  key
           = "${path.module}/files/index.html.tpl"
  source
  content_type = "text/html"
resource "aws_s3_object" "image" {
 bucket = aws_s3_bucket.primary_bucket.id
             = "image.jpg"
 key
  source = "${path.module}/files/image.jpg"
  content type = "image/jpeg"
# Launch Template with user data
resource "aws_launch_template" "primary_web_template" {
            = aws.primary
 provider
 name prefix = "primary-web-sg"
 image_id = data.aws_ami.amazon_linux_primary.id
 instance_type = "t2.micro"
 iam instance profile {
   name = aws iam instance profile.ec2 profile.name
  user_data = base64encode(templatefile("${path.module}/files/user_data.sh.tpl",
   s3 bucket = aws s3 bucket.primary bucket.bucket
 }))
 vpc_security_group_ids = [aws_security_group.primary_web_sg.id]
# Auto Scaling Group
resource "aws autoscaling group" "primary web asg" {
 provider
                    = aws.primary
 desired_capacity
                    = 2
                    = 3
 max size
 min_size
                    = 1
 vpc zone_identifier = [aws_subnet.primary_public_1.id,
aws_subnet.primary_public_2.id]
 launch template {
          = aws launch template.primary web template.id
```

```
version = "$Latest"
  tag {
                      = "Name"
   key
                       = "Primary-Web-ASG"
   value
   propagate_at_launch = true
                         = "EC2"
 health_check_type
  health_check_grace_period = 300
# ALB + Target Group + Listener
resource "aws_lb" "primary_alb" {
  provider
                   = aws.primary
                   = "primary-web-alb"
  name
  internal = false
 load_balancer_type = "application"
                   = [aws_subnet.primary_public_1.id,
aws_subnet.primary_public_2.id]
  security_groups = [aws_security_group.primary_web_sg.id]
resource "aws_lb_target_group" "primary_tg" {
  provider = aws.primary
        = "primary-web-target-group"
         = 80
  port
  protocol = "HTTP"
  vpc_id = aws_vpc.primary.id
 health_check {
   path
   healthy_threshold = 2
   unhealthy threshold = 2
                       = 5
   timeout
   interval
                      = 30
                      = "200"
   matcher
resource "aws_lb_listener" "primary_listener" {
                  = aws.primary
  load_balancer_arn = aws_lb.primary_alb.arn
                   = 80
  port
                  = "HTTP"
 protocol
```

```
default_action {
                    = "forward"
   type
   target_group_arn = aws_lb_target_group.primary_tg.arn
resource "aws_autoscaling_attachment" "primary_asg_alb_attachment" {
                       = aws.primary
 provider
 autoscaling_group_name = aws_autoscaling_group.primary_web_asg.name
  lb_target_group_arn = aws_lb_target_group.primary_tg.arn
# RDS Subnet Group
#resource "aws_db_subnet_group" "primary_db_subnet_group" {
# provider = aws.primary
 # name = "primary-db-subnet-group"
 # aws_subnet.primary_private_1.id,
  # aws_subnet.primary_private_2.id,
 #]
  #tags = { Name = "Primary DB Subnet Group" }
# Primary RDS
#resource "aws_db_instance" "primary_rds" {
 # provider
                        = aws.primary
 #allocated_storage
 #engine
                        = "mysql"
                        = "8.0"
  #engine_version
                      = "db.t3.micro"
  #password
                        = var.db password
  #db_subnet_group_name = aws_db_subnet_group.primary_db_subnet_group.name
  #vpc_security_group_ids = [aws_security_group.primary_web_sg.id]
  #publicly_accessible = false
  #skip_final_snapshot = true
 #backup_retention_period = 7
                         = { Name = "Primary RDS" }
  #tags
      ---- SECONDARY REGION ----
```

```
# Secondary VPC
resource "aws_vpc" "secondary" {
 provider = aws.secondary
 cidr_block = var.vpc_cidr_secondary
        = { Name = "Secondary-VPC" }
 tags
resource "aws_internet_gateway" "secondary" {
 provider = aws.secondary
 vpc_id = aws_vpc.secondary.id
# Secondary Public Subnets
resource "aws_subnet" "secondary_public_1" {
                       = aws.secondary
 provider
 vpc_id
                       = aws_vpc.secondary.id
 cidr_block
                       = var.public_subnet_cidr_1_secondary
 availability_zone
                       = var.availability_zone_1_secondary
 map_public_ip_on_launch = true
                        = { Name = "Secondary-Public-Subnet-1" }
 tags
resource "aws subnet" "secondary public 2" {
 provider
                        = aws.secondary
 vpc_id
                       = aws vpc.secondary.id
 cidr_block
                       = var.public_subnet_cidr_2_secondary
  availability_zone = var.availability_zone_2_secondary
 map public ip on launch = true
                        = { Name = "Secondary-Public-Subnet-2" }
 tags
# Secondary Private Subnets
resource "aws subnet" "secondary private 1" {
 provider = aws.secondary
 vpc_id
                  = aws_vpc.secondary.id
 cidr_block = var.private_subnet_cidr_1_secondary
 availability_zone = var.availability_zone_1_secondary
                  = { Name = "Secondary-Private-Subnet-1" }
  tags
resource "aws_subnet" "secondary_private_2" {
 provider
                  = aws.secondary
 vpc_id
                  = aws_vpc.secondary.id
 cidr block
                 = var.private_subnet_cidr_2_secondary
```

```
availability_zone = var.availability_zone_2_secondary
                  = { Name = "Secondary-Private-Subnet-2" }
  tags
resource "aws_route_table" "secondary_public_rt" {
 provider = aws.secondary
 vpc_id = aws_vpc.secondary.id
 route {
   cidr block = "0.0.0.0/0"
   gateway id = aws internet gateway.secondary.id
resource "aws_route_table_association" "secondary_public_assoc_1" {
               = aws.secondary
 provider
 subnet_id = aws_subnet.secondary_public_1.id
 route table id = aws route table.secondary public rt.id
resource "aws_route_table_association" "secondary_public_assoc_2" {
 provider
               = aws.secondary
 subnet id
               = aws subnet.secondary public 2.id
  route table id = aws route table.secondary public rt.id
# Security Group
resource "aws security group" "secondary web sg" {
 provider = aws.secondary
           = "secondary-web-sg"
 name
  description = "Allow HTTP"
 vpc id
           = aws vpc.secondary.id
 ingress {
   from_port = 80
             = 80
  to port
   protocol
             = "tcp"
   cidr_blocks = ["0.0.0.0/0"]
  egress {
   from port
               = 0
   to_port
               = 0
   protocol
```

```
cidr blocks = ["0.0.0.0/0"]
}
# IAM Role for EC2 (with S3 readonly access) - Secondary
resource "aws iam role" "ec2 role secondary" {
  name = "ec2-s3-read-role-secondary"
 assume role policy = jsonencode({
   Version = "2012-10-17",
    Statement = [{
      Effect = "Allow",
      Principal = { Service = "ec2.amazonaws.com" },
      Action = "sts:AssumeRole"
    }]
  })
resource "aws iam role policy attachment" "ec2 s3 readonly secondary" {
           = aws_iam_role.ec2_role_secondary.name
  policy arn = "arn:aws:iam::aws:policy/AmazonS3ReadOnlyAccess"
resource "aws iam instance profile" "ec2 profile secondary" {
 name = "ec2-instance-profile-secondary"
  role = aws iam role.ec2 role secondary.name
# Latest Amazon Linux 2 AMI
data "aws ami" "amazon linux secondary" {
 provider
            = aws.secondary
 most recent = true
         = ["amazon"]
  owners
  filter {
   name = "name"
   values = ["amzn2-ami-hvm-*-x86_64-gp2"]
# S3 Bucket for static files - Secondary Region
resource "aws s3 bucket" "secondary bucket" {
 provider = aws.secondary
  bucket = "oneill123-secondary"
```

```
resource "aws_s3_bucket_versioning" "secondary_bucket_versioning" {
 provider = aws.secondary
 bucket = aws s3 bucket.secondary bucket.id
 versioning_configuration {
   status = "Enabled"
resource "aws_s3_bucket_policy" "secondary_public_read" {
  provider = aws.secondary
 bucket = aws_s3_bucket.secondary_bucket.id
 policy = jsonencode({
   Version = "2012-10-17",
   Statement = [{
     Sid = "PublicRead",
     Effect = "Allow",
     Principal = "*",
     Action = "s3:GetObject",
     Resource = "arn:aws:s3:::${aws_s3_bucket.secondary_bucket.id}/*"
   }]
 })
resource "aws_s3_object" "secondary_html" {
 provider = aws.secondary
 bucket = aws_s3_bucket.secondary_bucket.id
 key
             = "index.html"
  source = "${path.module}/files/index.html.tpl"
  content_type = "text/html"
resource "aws_s3_object" "secondary_image" {
  provider = aws.secondary
 bucket
            = aws_s3_bucket.secondary_bucket.id
 key
             = "image.jpg"
  source = "${path.module}/files/image.jpg"
  content_type = "image/jpeg"
# Launch Template with user data
resource "aws_launch_template" "secondary_web_template" {
 provider = aws.secondary
```

```
name prefix = "secondary-web-sg"
  instance type = "t2.micro"
 iam instance profile {
   name = aws iam instance profile.ec2 profile secondary.name
 user data = base64encode(templatefile("${path.module}/files/user data.sh.tpl",
   s3 bucket = aws s3 bucket.secondary bucket.bucket
 }))
 vpc security group ids = [aws security group.secondary web sg.id]
# Auto Scaling Group
resource "aws_autoscaling_group" "secondary_web_asg" {
 provider
              = aws.secondary
 desired_capacity = 2
                   = 3
 max size
 min_size
                   = 1
 vpc zone identifier = [aws_subnet.secondary_public_1.id,
aws_subnet.secondary_public_2.id]
 launch_template {
         = aws launch template.secondary web template.id
   version = "$Latest"
 tag {
                     = "Name"
   key
                     = "Secondary-Web-ASG"
   value
   propagate_at_launch = true
 health_check_type = "EC2"
 health_check_grace_period = 300
# ALB + Target Group + Listener
resource "aws_lb" "secondary_alb" {
           = aws.secondary
 provider
 name
                 = "secondary-web-alb"
```

```
= false
  internal
  load_balancer_type = "application"
                    = [aws_subnet.secondary_public_1.id,
  subnets
aws_subnet.secondary_public_2.id]
  security_groups = [aws_security_group.secondary_web_sg.id]
resource "aws_lb_target_group" "secondary_tg" {
  provider = aws.secondary
         = "secondary-web-target-group"
  name
  port
          = 80
  protocol = "HTTP"
  vpc_id = aws_vpc.secondary.id
 health_check {
   path
   healthy_threshold = 2
   unhealthy_threshold = 2
   timeout
                       = 5
   interval
                      = 30
   matcher
                      = "200"
resource "aws_lb_listener" "secondary_listener" {
            = aws.secondary
 provider
  load_balancer_arn = aws_lb.secondary_alb.arn
                  = 80
 port
  protocol = "HTTP"
 default_action {
                    = "forward"
   type
   target_group_arn = aws_lb_target_group.secondary_tg.arn
resource "aws_autoscaling_attachment" "secondary_asg_alb_attachment" {
 provider
                       = aws.secondary
 autoscaling_group_name = aws_autoscaling_group.secondary_web_asg.name
 lb_target_group_arn = aws_lb_target_group.secondary_tg.arn
# Secondary DB Subnet Group
#resource "aws_db_subnet_group" "secondary_db_subnet_group" {
# provider = aws.secondary
 #name = "secondary-db-subnet-group"
```

```
# aws subnet.secondary private 1.id,
   #aws_subnet.secondary_private_2.id,
 #]
 #tags = { Name = "Secondary DB Subnet Group" }
# Secondary RDS Read Replica
#resource "aws_db_instance" "secondary_rds" {
# provider
                       = aws.secondary
 #allocated storage = 20
                       = "mysql"
 #engine
 #engine_version = "8.0"
                       = var.db username
# username
             = var.db_password
 #password
 #db_subnet_group_name = aws_db_subnet_group.secondary_db_subnet_group.name
 #vpc_security_group_ids = [aws_security_group.secondary_web sg.id]
 #multi az
                       = false
 #publicly_accessible = false
 #skip_final_snapshot = true
 #backup_retention_period = 7
 #replicate_source_db = aws_db_instance.primary_rds.id
 #tags = { Name = "Secondary RDS Replica" }
```

#### 4. output.tf

```
output "primary_alb_dns" {
  value = aws_lb.primary_alb.dns_name
}

output "secondary_alb_dns" {
  value = aws_lb.secondary_alb.dns_name
}
```

Save these 4 files in the same directory:

main.tf

- variables.tf
- providers.tf
- output.tf

#### Run Terraform commands:

- terraform init
- terraform plan
- terraform apply

#### Terraform init

```
PS C:\Users\Vive\\Desktop\\end{align="block" backend...

Initializing the backend...

Initializing provider plugins...

Reusing previous version of hashicorp/aws from the dependency lock file

Using previously installed hashicorp/aws v6.2.8

Terraform has been successfully initialized!

You may now hegin working with terraform. Try running "terraform plan" to see any changes that are required for your infrastructure. All Turnaform commands abouted new work.

If you ever set or change modules or backend configuration for Terraform, rerun this command to reinitialize your working directory. If you forget, other commands will defect it and remind you to do so if necessary.

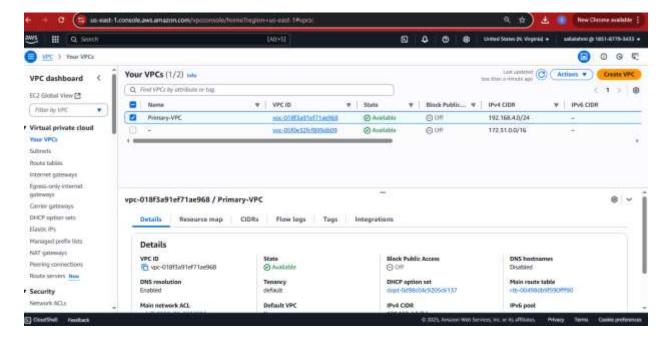
PS C:\Users\Vive\\Desktop\Wew\folder\terraform_practice\underline{\text{unit}_region_disaster}}
```

## Terraform plan

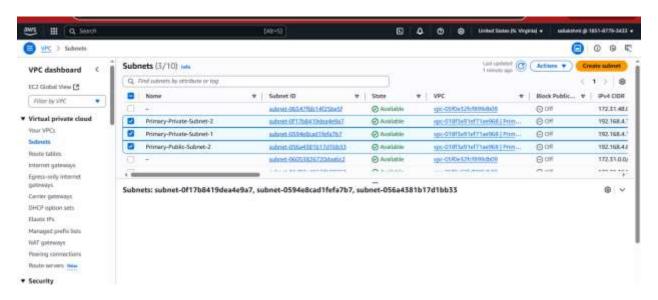
# Terraform apply

## Check in aws console

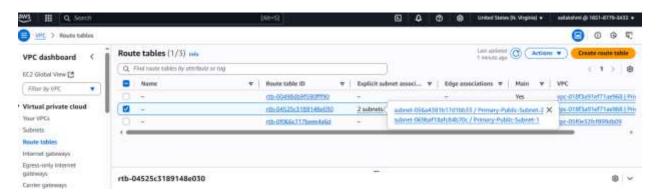
## **Primary VPC created**



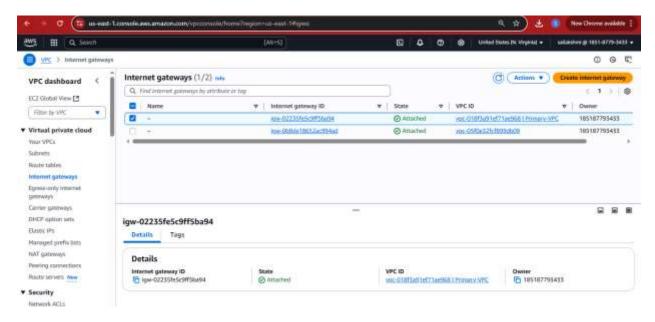
#### Subnets



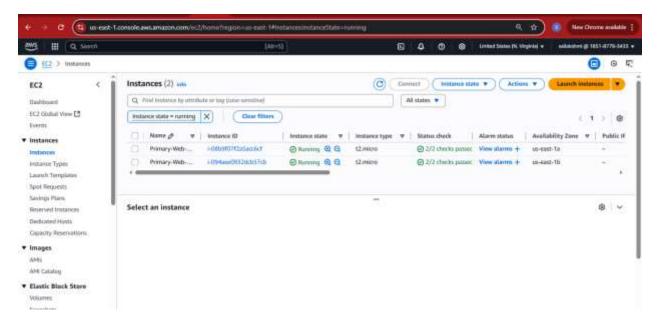
#### Route table



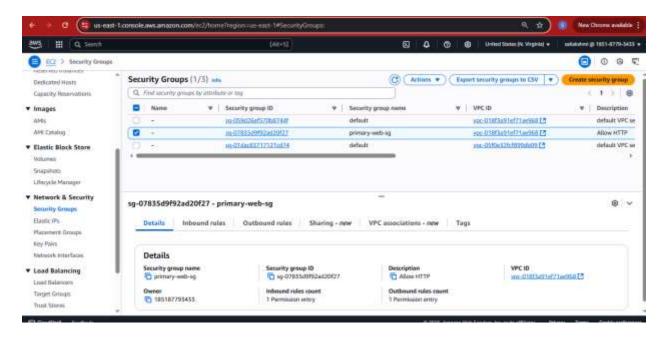
Internet gateway



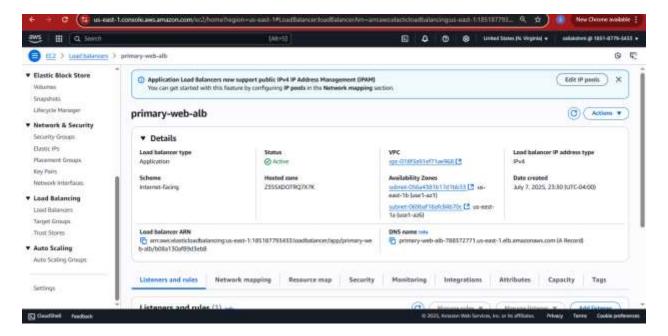
#### EC2 instances got created



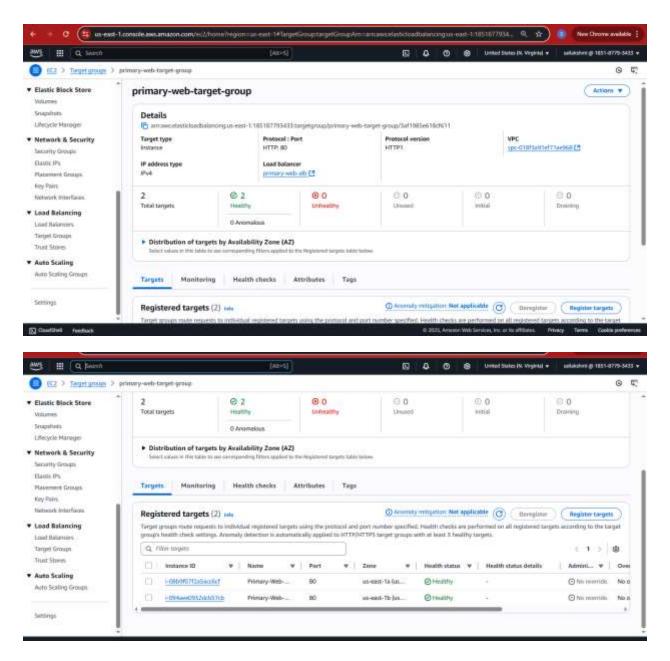
Security group



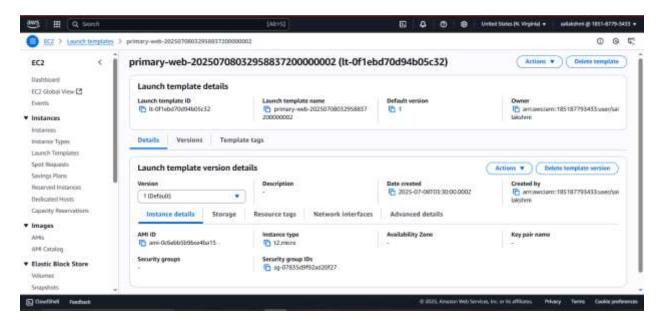
#### Load balancer



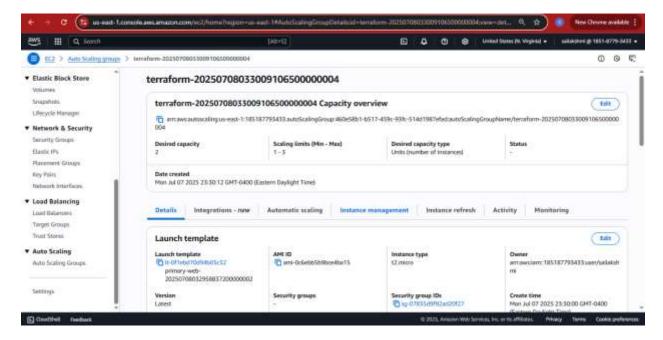
Target group



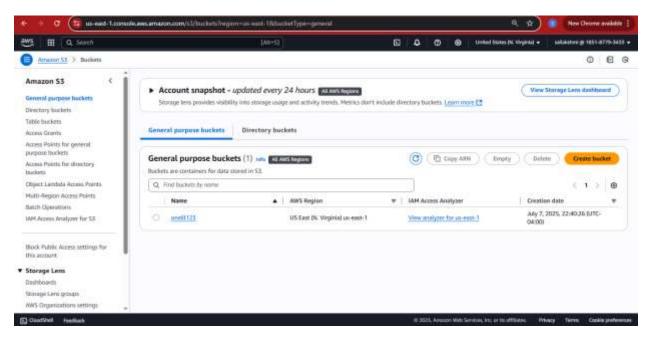
Launch template



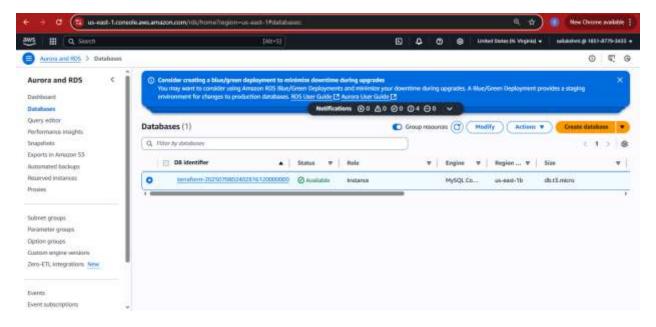
## Auto scaling group



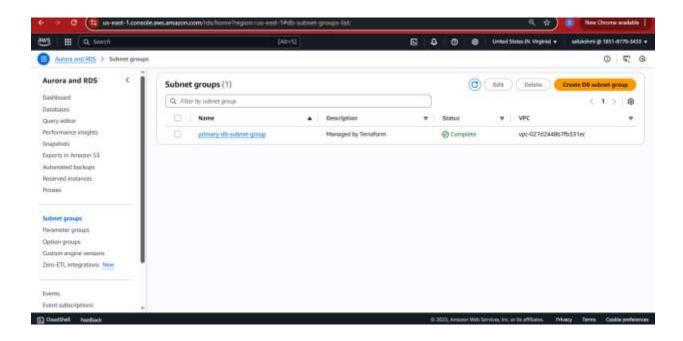
S3 bucket created



## Primary database

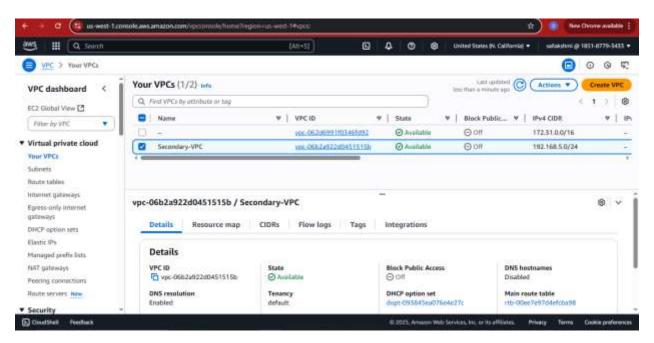


Db subnet group

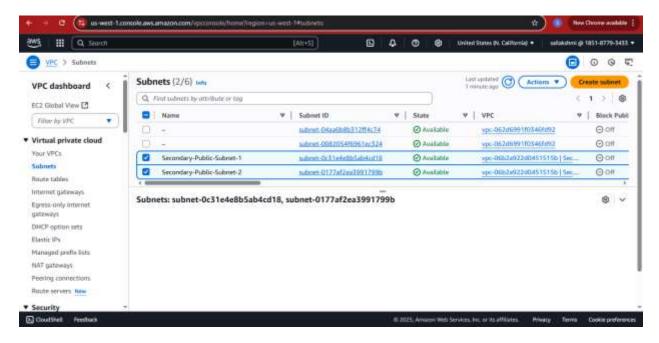


# Secondary region

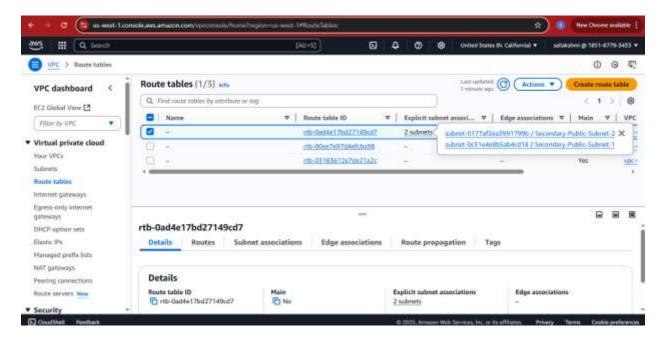
#### **VPC** created



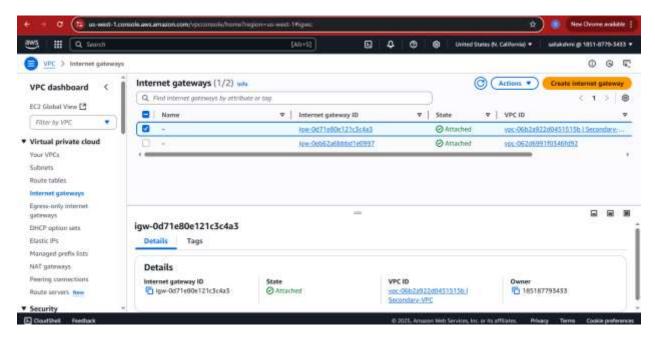
Subnets created



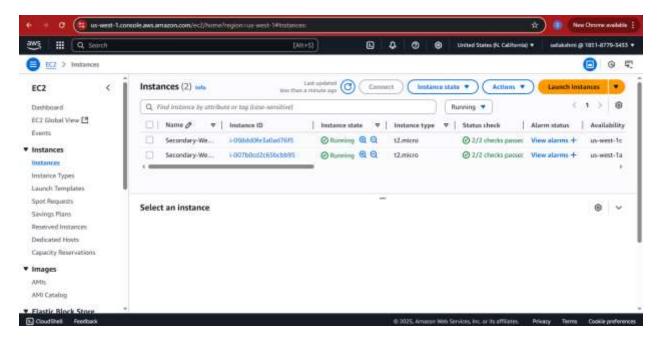
# Route table created



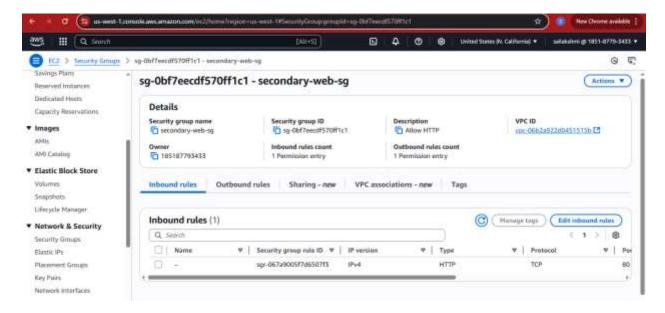
Internet gateway



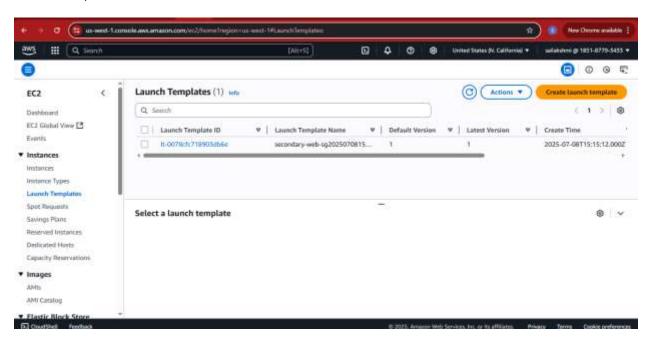
#### EC2 instance



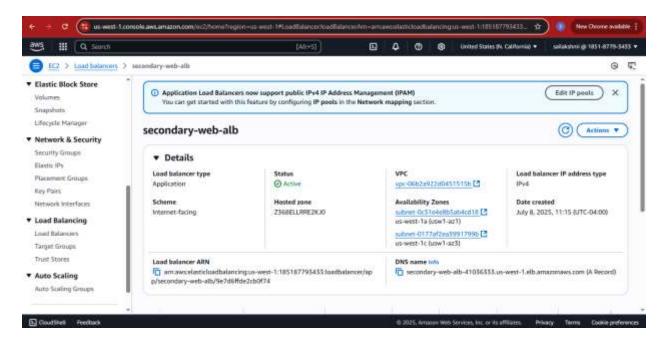
Security group



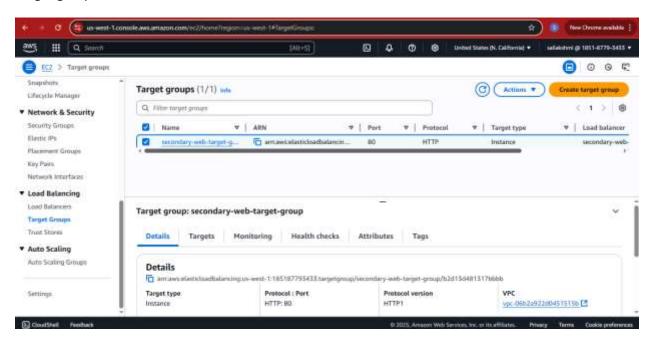
#### Launch template



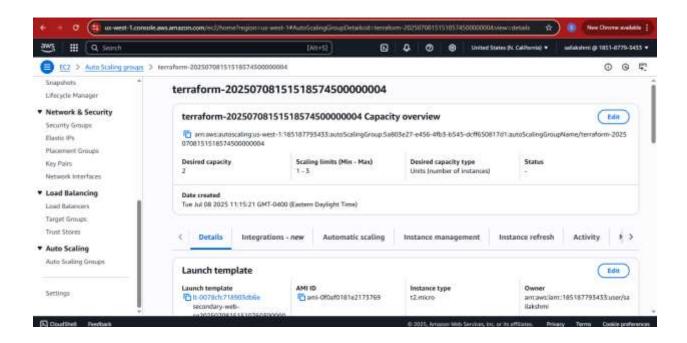
Load balancer



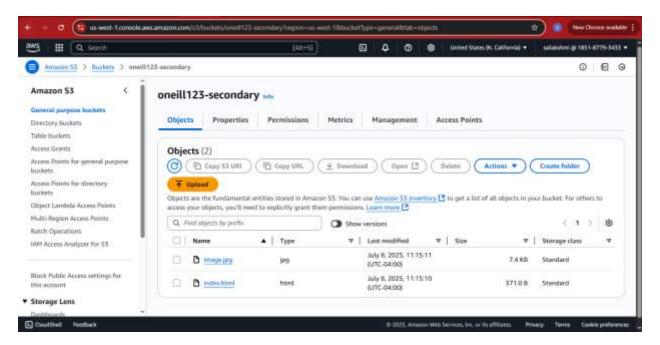
## Target group



Autoscaling group created



#### S3 bucket created



Output check the dns name of primary load balancer in browser

http://primary-web-alb-401762522.us-east-1.elb.amazonaws.com/

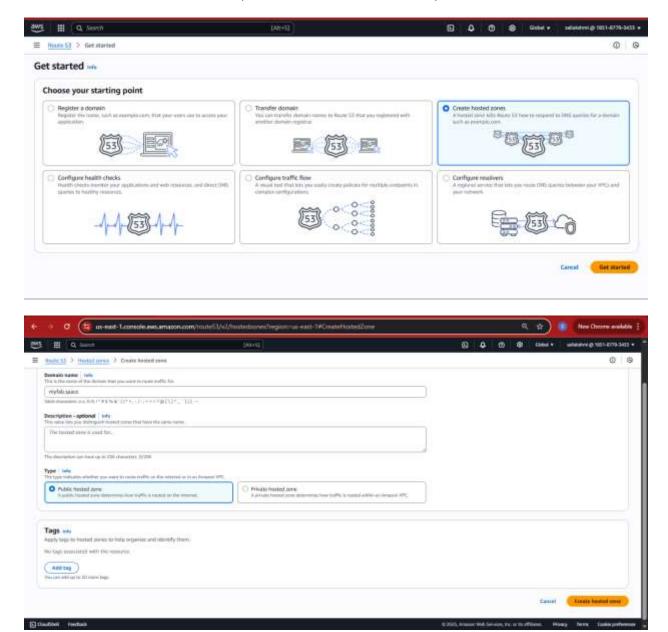


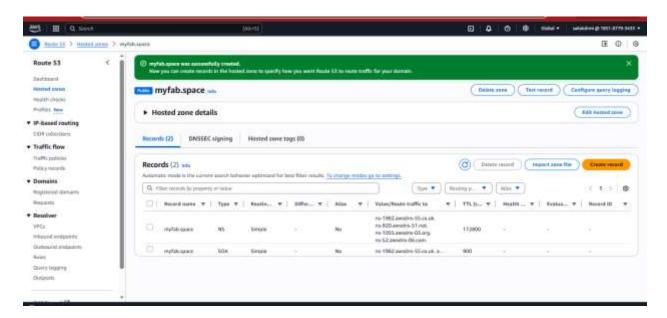
# Secondary region

http://secondary-web-alb-810409321.us-west-1.elb.amazonaws.com/



- Create a Hosted Zone in Route 53
- Go to AWS Console → Route 53 → Hosted Zones
- Click "Create hosted zone"
- Domain name: myfab.space
- Type: Public hosted zone
- Click Create
- You'll now see 4 NS records (like ns-123.awsdns-45.com, etc.)





- Update Nameservers in where you buyed
- Go to Domain List → Click "Manage" on myfab.space
- Scroll to Nameservers
- Choose: Custom DNS
- Paste the 4 NS values from Route 53 here
- Save changes



## **Get ALB DNS Names from Terraform Outputs**

primary\_alb\_dns = "primary-web-alb-401762522.us-east-1.elb.amazonaws.com"

secondary\_alb\_dns = "secondary-web-alb-810409321.us-west-1.elb.amazonaws.com"

Create Route 53 Health Check (for Primary ALB)

Go to Route 53 → Health Checks → Create Health Check

Name: primary-alb-health

Endpoint type: Public endpoint

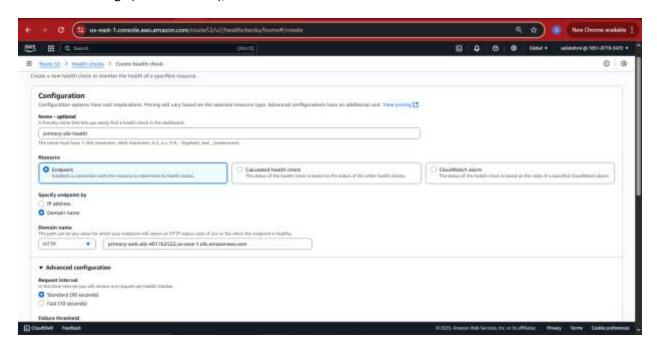
Protocol: HTTP

Domain name: paste primary ALB DNS (e.g., primary-web-alb-xyz.us-east-1.elb.amazonaws.com)

Port: 80

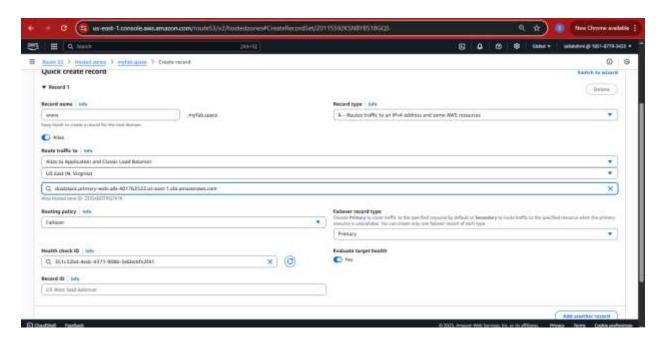
Path: /

Advanced settings (leave defaults), click Create



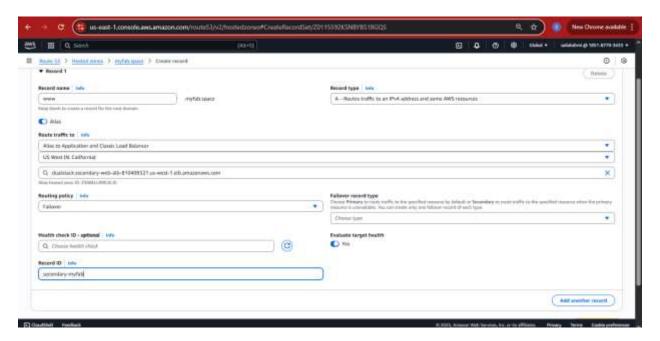
Create Route 53 Record Set - Failover (PRIMARY)

- Go to Route 53 → Hosted Zones → myfab.space
- Click "Create Record"
- Record name: leave blank (for root domain) or enter www if you want www.myfab.space
- Record type: A IPv4 address
- Alias: Yes
- Alias target: Select Primary ALB
- Routing policy: Failover
- Failover type: Primary
- Attach Health Check: select the one you created
- Click Create records



# Create Route 53 Record Set – Failover (SECONDARY)

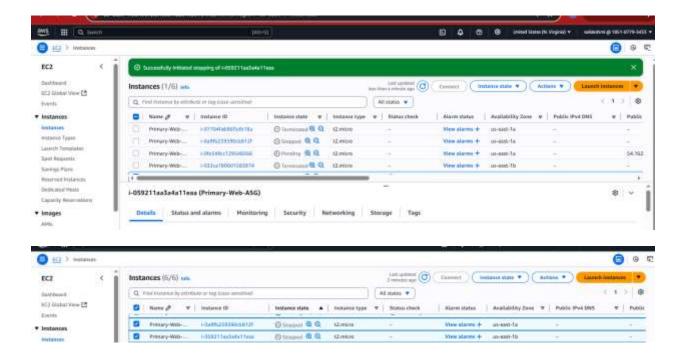
- Click "Create Record" again
- Same name: blank or www (must match above)
- Type: A IPv4 address
- Alias: Yes
- Alias target: Select Secondary ALB
- Routing policy: Failover
- Failover type: Secondary
- No health check needed
- Click Create records



## Test it

- Visit <u>www.myfab.space</u>
- It should load from Primary ALB
- Simulate failure by stopping EC2s in Primary ASG
- Wait 1–2 minutes → Route 53 routes to Secondary ALB





## From secondary ALB it loaded

