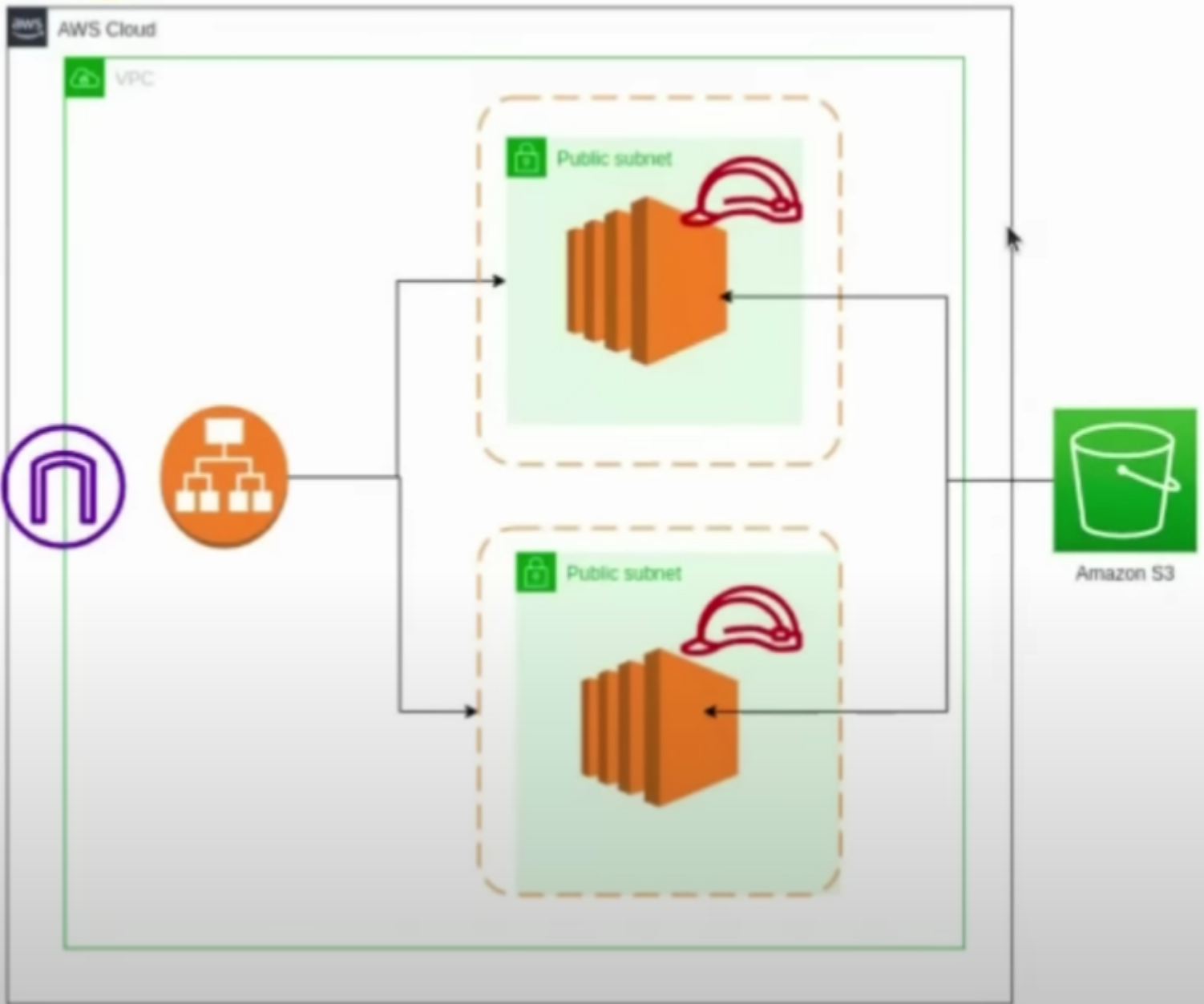


Setting up Infrastructure on AWS using Terraform



VpcDetails | VPC Console

us-east-1.console.aws.amazon.com/vpccconsole/home?region=us-east-1#VpcDetails:VpcId=vpc-0964a4569630700a5

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aws

Services

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VPC dashboard

EC2 Global View

Filter by VPC

Virtual private cloud

Your VPCs

Subnets

Route tables

Internet gateways

Egress-only internet gateways

Carrier gateways

DHCP option sets

Elastic IPs

Managed prefix lists

Endpoints

Endpoint services

VPC > Your VPCs > vpc-0964a4569630700a5

vpc-0964a4569630700a5

Actions

DetailsInfo

VPC ID vpc-0964a4569630700a5	State Available	DNS hostnames Disabled	DNS resolution Enabled
Tenancy Default	DHCP option set dopt-0a9018425960c79b5	Main route table rtb-0d2a026f35bd4b9a7	Main network ACL acl-0c1bd548b3ee31202
Default VPC No	IPv4 CIDR 10.0.0.0/16	IPv6 pool -	IPv6 CIDR (Network border group) -
Network Address Usage metrics Disabled	Route 53 Resolver DNS Firewall rule groups -	Owner ID 213375199486	

Resource map

CIDRs

Flow logs

Tags

Integrations

Resource mapInfo

CloudShell

Feedback

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subnets | VPC Console

us-east-1.console.aws.amazon.com/vpccconsole/home?region=us-east-1#subnets:

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VPC dashboard

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Your VPCs

Subnets

Subnets (2) Info

Last updated 1 minute ago

Actions

Create subnet

Find resources by attribute or tag

Subnet ID	State	VPC	IPv4 CIDR	IPv6 CIDR
subnet-0d28705267540e20a	Available	vpc-0964a4569630700a5	10.0.1.0/24	-
subnet-02bf856d05b3a3beb	Available	vpc-0964a4569630700a5	10.0.0.0/24	-

InternetGateway | VPC Console

us-east-1.console.aws.amazon.com/vpccconsole/home?region=us-east-1#InternetGateway:internetGatewayId=igw-06fd41de0cbc8e17e

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VPC dashboard

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Subnets

Route tables

Internet gateways

VPC > Internet gateways > igw-06fd41de0cbc8e17e

igw-06fd41de0cbc8e17e

Actions

DetailsInfo

Internet gateway ID	State	VPC ID	Owner
igw-06fd41de0cbc8e17e	Attached	vpc-0964a4569630700a5	213375199486

Tags

Search tags

Manage tags

< 1 > ⚙

SecurityGroup | VPC Console

us-east-1.console.aws.amazon.com/vpccconsole/home?region=us-east-1#SecurityGroup:groupId=sg-0b19dc876768c8a2f

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VPC > Security Groups > sg-0b19dc876768c8a2f - websg

sg-0b19dc876768c8a2f - websg

Actions

Details

Security group name websg	Security group ID sg-0b19dc876768c8a2f	Description Managed by Terraform	VPC ID vpc-0964a4569630700a5
Owner 213375199486	Inbound rules count 2 Permission entries	Outbound rules count 1 Permission entry	

Inbound rules

Outbound rules

Tags

Inbound rules (2)

Manage tags

Edit inbound rules

Search

1

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devrathsterraformproject - S3 bucket

us-east-1.console.aws.amazon.com/s3/buckets/devrathsterraformproject?region=us-east-1&bucketType=general&tab=properties

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Amazon S3

Buckets

Access Grants

Access Points

Object Lambda Access Points

Multi-Region Access Points

Batch Operations

IAM Access Analyzer for S3

Block Public Access settings for this account

Storage Lens

Dashboards

Storage Lens groups

AWS Organizations settings

Amazon S3

Buckets

devrathsterraformproject

devrathsterraformproject

Objects

Properties

Permissions

Metrics

Management

Access Points

Bucket overview

AWS Region	Amazon Resource Name (ARN)	Creation date
US East (N. Virginia) us-east-1	arn:aws:s3:::devrathsterraformproject	October 30, 2024, 00:00:10 (UTC+05:30)

Bucket Versioning

Versioning is a means of keeping multiple variants of an object in the same bucket. You can use versioning to preserve, retrieve, and restore every version of every object stored in your Amazon S3 bucket. With versioning, you can easily recover from both unintended user actions and application failures. [Learn more](#)

Bucket Versioning

Disabled

Edit

CloudShell

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Instances | EC2 | us-east-1

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#Instances:v=3;\$case=tags:true%5C,client:false;\$regex=tags:false%5C,client:false

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EC2 Dashboard

EC2 Global View

Events

Instances

Instances

Instance Types

Instances (2) Info

Last updated less than a minute ago

Connect

Instance state

Actions

Launch instances

Find Instance by attribute or tag (case-sensitive)

Running

< 1 >

Instance ID	Instance state		Instance type	Status check	Alarm status	Availability Zone	Public IP
i-0b1d1dc1a97a9c2b9	Running		t2.micro	2/2 checks passed	View alarms	us-east-1a	-
i-0f989fc3c1ce29433	Running		t2.micro	2/2 checks passed	View alarms	us-east-1b	-

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Load balancer details | EC2 | us-east-1

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#LoadBalancer:loadBalancerArn=arn:aws:elasticloadbalancing:us-east-1:213375199486:loadbal...

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Network & Security

Load Balancing

Auto Scaling

Details

myalb

Refresh

Actions

Load balancer type

Application

Scheme

Internet-facing

Status

Active

Hosted zone

Z35SXDOTRQ7X7K

VPC

vpc-0964a4569630700a5

Availability Zones

subnet-0d28705267540e20a us-east-1b (use1-az1)

subnet-02bf856d05b3a3beb us-east-1a (use1-az6)

Load balancer IP address type

IPv4

Date created

October 30, 2024, 00:17 (UTC+05:30)

Load balancer ARN

arn:aws:elasticloadbalancing:us-east-1:213375199486:loadbalance

r/app/myalb/4da0ff2a3cb46bfb

DNS name

myalb-1269825460.us-east-1.elb.amazonaws.com (A Record)

CloudShell

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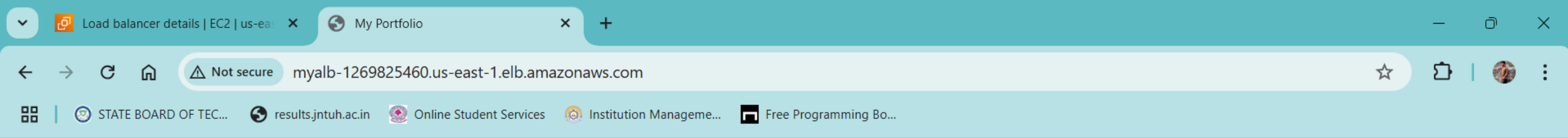
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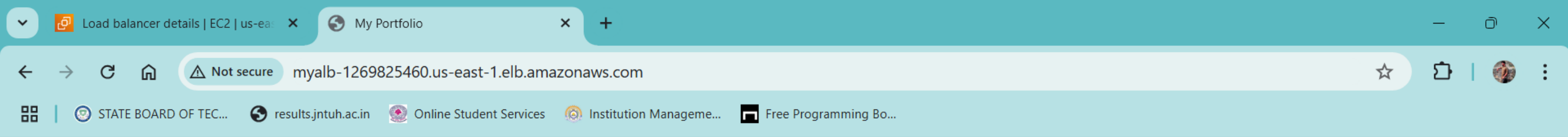
The image is a screenshot of the Visual Studio Code editor interface. On the left, the Explorer sidebar shows a project named 'TERRAFORMDEV' with a file tree containing '.terraform', '.terraform.lock.hcl', 'main.tf', 'providers.tf', 'terraform.tfstate', 'terraform.tfstate....', 'userdata.sh', 'userdata1.sh', and 'variables.tf'. The main editor window displays the 'main.tf' file, showing Terraform code for creating an AWS instance and an LB target group attachment. The code includes resource definitions for 'aws_instance' and 'aws_lb_target_group_attachment'. Below the code, the Output window shows the execution of 'terraform apply'. It starts with a plan summary: 'Plan: 4 to add, 0 to change, 0 to destroy.' followed by a confirmation prompt: 'Do you want to perform these actions? Terraform will perform the actions described above. Only 'yes' will be accepted to approve.' The user enters 'yes'. The output then shows the successful creation of resources: 'aws_instance.webserver1: Creating...', 'aws_instance.webserver2: Creating...', 'aws_instance.webserver1: Still creating... [10s elapsed]', 'aws_instance.webserver2: Still creating... [10s elapsed]', 'aws_instance.webserver2: Creation complete after 16s [id=i-0f989fc3c1ce29433]', 'aws_lb_target_group_attachment.attach2: Creating...', 'aws_instance.webserver1: Creation complete after 16s [id=i-0b1d1dc1a97a9c2b9]', 'aws_lb_target_group_attachment.attach1: Creating...', 'aws_lb_target_group_attachment.attach2: Creation complete after 1s [id=arn:aws:elasticloadbalancing:us-east-1:213375199486:targetgroup/myTG/b281afeb500f2e80-202410291931307008000000003]', 'aws_lb_target_group_attachment.attach1: Creation complete after 1s [id=arn:aws:elasticloadbalancing:us-east-1:213375199486:targetgroup/myTG/b281afeb500f2e80-20241029193131010000000004]'. The final output is 'Apply complete! Resources: 4 added, 0 changed, 0 destroyed.' The status bar at the bottom shows 'Ln 86, Col 50' and various extension icons like Terraform, Go Live, AI Code Chat, and Prettier.



Terraform Project Server 1

Instance ID: i-0b1d1dc1a97a9c2b9

Welcome to Devrath Badugu's First project in Terraform (First Instance)



Terraform Project Server 1

Instance ID: i-0f989fc3c1ce29433

Welcome to Devrath Badugu's First project in Terraform (Second Instance)