

Command Prompt

C:\Users\Himanshu Singh\Documents\projectvpc\project_vpc\terraform-VPC>terraform init

Initializing the backend...

Initializing modules...

- alb in modules\alb
- ec2 in modules\ec2
- sg in modules\sg
- vpc in modules\vpc

Initializing provider plugins...

- Finding hashicorp/aws versions matching "5.16.1"...
- Installing hashicorp/aws v5.16.1...
- Installed hashicorp/aws v5.16.1 (signed by HashiCorp)

Terraform has created a lock file .terraform.lock.hcl to record the provider selections it made above. Include this file in your version control repository so that Terraform can guarantee to make the same selections by default when you run "terraform init" in the future.

Terraform has been successfully initialized!

You may now begin working with Terraform. Try running "terraform plan" to see any changes that are required for your infrastructure. All Terraform commands should now 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 detect it and remind you to do so if necessary.

C:\Users\Himanshu Singh\Documents\projectvpc\project_vpc\terraform-VPC>

Command Prompt

C:\Users\Himanshu Singh\Documents\projectvpc\project_vpc\terraform-VPC>terraform validate
Success! The configuration is valid.

C:\Users\Himanshu Singh\Documents\projectvpc\project_vpc\terraform-VPC>terraform plan

module.ec2.data.aws_ami.amazon-2: Reading...
module.vpc.data.aws_availability_zones.available: Reading...
module.ec2.data.aws_availability_zones.available: Reading...
module.vpc.data.aws_availability_zones.available: Read complete after 1s [id=us-east-1]
module.ec2.data.aws_availability_zones.available: Read complete after 1s [id=us-east-1]
module.ec2.data.aws_ami.amazon-2: Read complete after 1s [id=ami-091c474108fca1315]

Terraform used the selected providers to generate the following execution plan. Resource actions are indicated with the following symbols:
+ create

Terraform will perform the following actions:

```
# module.alb.aws_lb.alb will be created
+ resource "aws_lb" "alb" {
  + arn                = (known after apply)
  + arn_suffix         = (known after apply)
  + desync_mitigation_mode = "defensive"
  + dns_name           = (known after apply)
  + drop_invalid_header_fields = false
  + enable_deletion_protection = false
  + enable_http2        = true
  + enable_tls_version_and_cipher_suite_headers = false
  + enable_waf_fail_open = false
  + enable_xff_client_port = false
  + id                 = (known after apply)
  + idle_timeout       = 60
  + internal            = false
  + ip_address_type     = (known after apply)
  + load_balancer_type = "application"
  + name                = "application-load-balancer"
  + preserve_host_header = false
  + security_groups     = (known after apply)
  + subnets            = (known after apply)
  + tags_all            = (known after apply)
  + vpc_id              = (known after apply)
  + xff_header_processing_mode = "append"
  + zone_id             = (known after apply)
}
```

```
# module.alb.aws_lb_listener.listener will be created
```

```
Command Prompt
+ tags
+   + "Name" = "PublicSubnet2"
+   }
+ tags_all
+   + "Name" = "PublicSubnet2"
+   }
+ vpc_id
+   = (known after apply)

# module.vpc.aws_vpc.my_vpc will be created
+ resource "aws_vpc" "my_vpc" {
+   arn
+   cidr_block
+   default_network_acl_id
+   default_route_table_id
+   default_security_group_id
+   dhcp_options_id
+   enable_dns_hostnames
+   enable_dns_support
+   enable_network_address_usage_metrics
+   id
+   instance_tenancy
+   ipv6_association_id
+   ipv6_cidr_block
+   ipv6_cidr_block_network_border_group
+   main_route_table_id
+   owner_id
+   tags
+   + "Name" = "my_vpc"
+   }
+ tags_all
+   + "Name" = "my_vpc"
+   }
+ }

Plan: 15 to add, 0 to change, 0 to destroy.

Note: You didn't use the -out option to save this plan, so Terraform can't guarantee to take exactly these actions if you run "terraform apply" now.

C:\Users\Himanshu Singh\Documents\projectvpc\project_vpc\terraform\terraform-VPC>
```

```
Command Prompt
module.ec2.aws_instance.web[1]: Still creating... [20s elapsed]
module.ec2.aws_instance.web[0]: Still creating... [20s elapsed]
module.ec2.aws_instance.web[0]: Creation complete after 36s [id=i-06b61d4459e24510b]
module.ec2.aws_instance.web[1]: Still creating... [37s elapsed]
module.alb.aws_lb.alb: Still creating... [37s elapsed]
module.alb.aws_lb.alb: Still creating... [47s elapsed]
module.ec2.aws_instance.web[1]: Still creating... [47s elapsed]
module.ec2.aws_instance.web[1]: Still creating... [57s elapsed]
module.alb.aws_lb.alb: Still creating... [57s elapsed]
module.alb.aws_lb.alb: Still creating... [1m8s elapsed]
module.ec2.aws_instance.web[1]: Still creating... [1m8s elapsed]
module.ec2.aws_instance.web[1]: Still creating... [1m18s elapsed]
module.alb.aws_lb.alb: Still creating... [1m18s elapsed]
module.alb.aws_lb.alb: Still creating... [1m28s elapsed]
module.ec2.aws_instance.web[1]: Still creating... [1m28s elapsed]
module.alb.aws_lb.alb: Still creating... [1m38s elapsed]
module.ec2.aws_instance.web[1]: Still creating... [1m38s elapsed]
module.ec2.aws_instance.web[1]: Still creating... [1m48s elapsed]
module.alb.aws_lb.alb: Still creating... [1m48s elapsed]
module.alb.aws_lb.alb: Still creating... [1m58s elapsed]
module.ec2.aws_instance.web[1]: Still creating... [1m58s elapsed]
module.alb.aws_lb.alb: Still creating... [2m8s elapsed]
module.ec2.aws_instance.web[1]: Still creating... [2m8s elapsed]
module.ec2.aws_instance.web[1]: Still creating... [2m18s elapsed]
module.alb.aws_lb.alb: Still creating... [2m18s elapsed]
module.alb.aws_lb.alb: Still creating... [2m28s elapsed]
module.ec2.aws_instance.web[1]: Still creating... [2m28s elapsed]
module.ec2.aws_instance.web[1]: Still creating... [2m38s elapsed]
module.alb.aws_lb.alb: Still creating... [2m38s elapsed]
module.ec2.aws_instance.web[1]: Creation complete after 2m40s [id=i-0f7eff542d6930546]
module.alb.aws_lb_target_group_attachment.tga[1]: Creating...
module.alb.aws_lb_target_group_attachment.tga[0]: Creating...
module.alb.aws_lb_target_group_attachment.tga[1]: Creation complete after 0s [id=arn:aws:elasticloadbalancing:us-east-1:975050053495:targetgroup/tg/292818736732f17b-202405051652152071000000003]
module.alb.aws_lb_target_group_attachment.tga[0]: Creation complete after 1s [id=arn:aws:elasticloadbalancing:us-east-1:975050053495:targetgroup/tg/292818736732f17b-202405051652156554000000004]
module.alb.aws_lb.alb: Still creating... [2m48s elapsed]
module.alb.aws_lb.alb: Creation complete after 2m48s [id=arn:aws:elasticloadbalancing:us-east-1:975050053495:loadbalancer/app/application-load-balancer/24acafb3a2b3dc4c]
module.alb.aws_lb_listener.listener: Creating...
module.alb.aws_lb_listener.listener: Creation complete after 1s [id=arn:aws:elasticloadbalancing:us-east-1:975050053495:listener/app/application-load-balancer/24acafb3a2b3dc4c/5d18db550001c112]

Apply complete! Resources: 15 added, 0 changed, 0 destroyed.

C:\Users\Himanshu Singh\Documents\projectvpc\project_vpc\terraform\terraform-VPC>
```

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#instances:instanceState=running

Instances (2) Info

Find Instance by attribute or tag (case-sensitive)

Instance state: running

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone
WebServer2	i-0f7eff542d6930546	Running	t2.micro	2/2 checks passed	View alarms	us-east-1
WebServer1	i-06b61d4459e24510b	Running	t2.micro	2/2 checks passed	View alarms	us-east-1

Select an instance

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

Your VPCs (2) Info

Create VPC

Name	VPC ID	State	IPv4 CIDR	IPv6 CIDR
my_vpc	vpc-0b5f80d8162e9b092	Available	10.0.0.0/16	-
-	vpc-0b7d3faf8178b488c	Available	172.31.0.0/16	-

Select a VPC above

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

aws

Services

Search

[Alt+S]

N. Virginia

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VPC dashboard

EC2 Global View

Filter by VPC:

Select a 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

Subnets (8) Info

Find resources by attribute or tag

< 1 >

Actions

Create subnet

<input type="checkbox"/>	Name	Subnet ID	State	VPC
<input type="checkbox"/>	-	subnet-05392230138d420ca	Available	vpc-0b7d3faf8178b488c
<input type="checkbox"/>	-	subnet-07f146b60b6254e97	Available	vpc-0b7d3faf8178b488c
<input type="checkbox"/>	-	subnet-0c9395cf69372c30b	Available	vpc-0b7d3faf8178b488c
<input type="checkbox"/>	PublicSubnet2	subnet-0d4d4c97bb7136f7b	Available	vpc-0b5f80d8162e9b092 my_...
<input type="checkbox"/>	-	subnet-015db60ad698d061c	Available	vpc-0b7d3faf8178b488c
<input type="checkbox"/>	PublicSubnet1	subnet-0dd714a6205ccc6f1	Available	vpc-0b5f80d8162e9b092 my_...

Select a subnet

RouteTables | VPC Console

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

aws

Services

Search

[Alt+S]

N. Virginia

himanshu1995

VPC dashboard

EC2 Global View

Filter by VPC:

Select a VPC

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DHCP option sets

Elastic IPs

Managed prefix lists

Endpoints

Endpoint services

Route tables (3) Info

Find resources by attribute or tag

< 1 >

Actions

Create route table

<input type="checkbox"/>	Name	Route table ID	Explicit subnet associ...	Edge associations	Main
<input type="checkbox"/>	-	rtb-02ca7daa10d06b136	-	-	Yes
<input type="checkbox"/>	MyRouteTable	rtb-038f936a7c49b147e	2 subnets	-	No
<input type="checkbox"/>	-	rtb-0c50f9d668a070da2	-	-	Yes

Select a route table

CloudShell

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Internet gateways (1/2) Info

Search

Name	Internet gateway ID	State	VPC ID
<input checked="" type="checkbox"/> MyInternetGateway	igw-0b26bb6363630a1c5	Attached	vpc-0b5f80d8162e9b092 my...
<input type="checkbox"/> -	igw-0b4bda140d7c3c685	Attached	vpc-0b7d3faf8178b488c

igw-0b26bb6363630a1c5 / MyInternetGateway

Details Tags

Details

Internet gateway ID igw-0b26bb6363630a1c5	State Attached	VPC ID vpc-0b5f80d8162e9b092 my_vpc	Owner 975050053495
--	-------------------	--	-----------------------

Amazon EC2 Status

44.197.120.148

Your EC2 Instance is running!

Instance Id
i-0f7eff542d6930546

Instance Type
t2.micro

Availability zone
us-east-1b

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#LoadBalancers:

ServicesSearch[Alt+S]

S3EC2

▼ Elastic Block Store

Volumes

Snapshots

Lifecycle Manager

▼ Network & Security

Security Groups

Elastic IPs

Placement Groups

Key Pairs

Network Interfaces

▼ Load Balancing

Load Balancers

Target Groups

Trust Stores New

▼ Auto Scaling

Auto Scaling Groups

EC2 > Load balancers

Load balancers (1/1)

RefreshActions

Create load balancer

Elastic Load Balancing scales your load balancer capacity automatically in response to changes in incoming traffic.

Filter load balancers

< 1 >

<input checked="" type="checkbox"/>	Name	DNS name	State	VPC ID	Availability
<input checked="" type="checkbox"/>	application-load-balan...	application-load-balancer-...	Active	vpc-0b5f80d8162e9b...	2 Availability

Load balancer: application-load-balancer

< DetailsListeners and rulesNetwork mappingResource map - newSecurityMonitoringIntegrati>

Details

Load balancer type	Status	VPC	IP address type
Application	Active	vpc-0b5f80d8162e9b092	IPv4

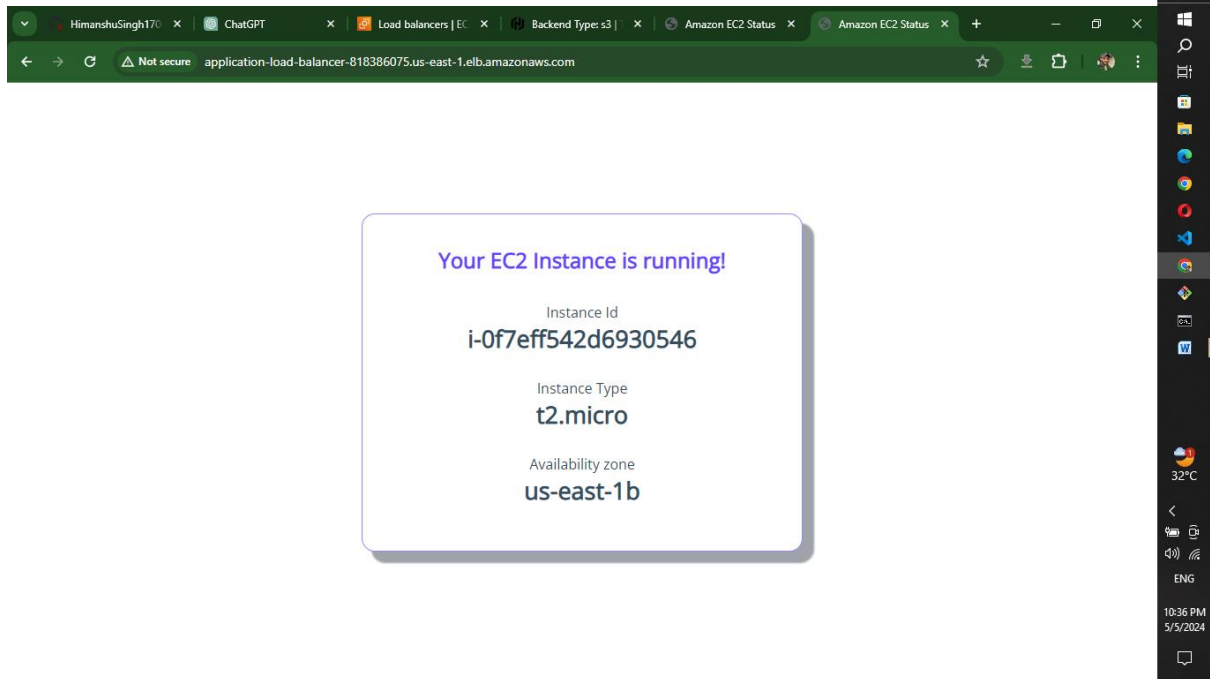
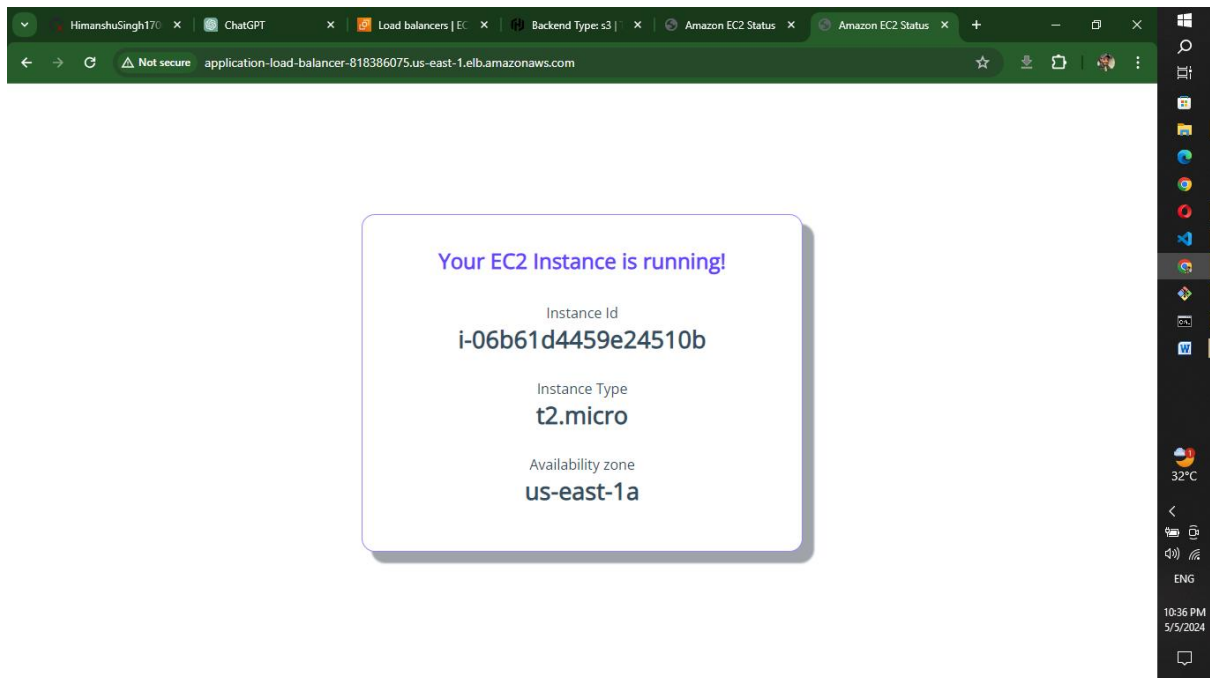
CloudShellFeedback

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10:36 PM

5/5/2024



```
Command Prompt

C:\Users\Himanshu Singh\Documents\project\vpcterraform\terraform-VPC>terraform destroy --auto-approve
module.vpc.aws_vpc.my_vpc: Refreshing state... [id=vpc-0b5f80d8162e9b092]
module.ec2.data.aws_ami.amazon-2: Reading...
module.ec2.data.aws_availability_zones.available: Reading...
module.vpc.data.aws_availability_zones.available: Read complete after 1s [id=us-east-1]
module.vpc.data.aws_ami.amazon-2: Read complete after 1s [id=ami-091c474108fca1315]
module.vpc.aws_internet_gateway.igw: Refreshing state... [id=igw-0b26bb6363630a1c5]
module.vpc.aws_subnet.subnets[1]: Refreshing state... [id=subnet-0d4d4c97bb7136f7b]
module.vpc.aws_subnet.subnets[0]: Refreshing state... [id=subnet-0dd714a6205cccfc61]
module.sg.aws_security_group.sg: Refreshing state... [id=sg-0fbdac3ca85326d02]
module.alb.aws_lb.target_group.tg: Refreshing state... [id=arn:aws:elasticloadbalancing:us-east-1:975050053495:targetgroup/tg/292818736732f17b]
module.vpc.aws_route_table.rt: Refreshing state... [id=rtb-038f936a7c49b147e]
module.ec2.aws_instance.web[1]: Refreshing state... [id=i-0f7eff542d6938546]
module.alb.aws_lb.alb: Refreshing state... [id=arn:aws:elasticloadbalancing:us-east-1:975050053495:loadbalancer/app/application-load-balancer/24acafb3a2b3dc4c]
module.ec2.aws_instance.web[0]: Refreshing state... [id=i-06b61d4459e24510b]
module.vpc.aws_route_table_association.rta[1]: Refreshing state... [id=rtbassoc-00805e0ba244c8fc6]
module.vpc.aws_route_table_association.rta[0]: Refreshing state... [id=rtbassoc-05f121798bde6fe6e]
module.alb.aws_lb.listener.listener: Refreshing state... [id=arn:aws:elasticloadbalancing:us-east-1:975050053495:listener/app/application-load-balancer/24acafb3a2b3dc4c/5d10d556001c112]
module.alb.aws_lb.target_group_attachment.tga[1]: Refreshing state... [id=arn:aws:elasticloadbalancing:us-east-1:975050053495:targetgroup/tg/292818736732f17b-20240505165215207100000003]
module.alb.aws_lb.target_group_attachment.tga[0]: Refreshing state... [id=arn:aws:elasticloadbalancing:us-east-1:975050053495:targetgroup/tg/292818736732f17b-2024050516521565400000004]

Terraform used the selected providers to generate the following execution plan. Resource actions are indicated with the following symbols:
  ~ destroy

Terraform will perform the following actions:

# module.alb.aws_lb.alb will be destroyed
+ resource "aws_lb" "alb" {
  ~ arn = "arn:aws:elasticloadbalancing:us-east-1:975050053495:loadbalancer/app/application-load-balancer/24acafb3a2b3dc4c" -> null
  ~ arn_suffix = "app/application-load-balancer/24acafb3a2b3dc4c" -> null
  ~ desync_mitigation_mode = "defensive" -> null
  ~ dns_name = "application-load-balancer-818386075.us-east-1.elb.amazonaws.com" -> null
  ~ drop_invalid_header_fields = false -> null
  ~ enable_cross_zone_load_balancing = true -> null
  ~ enable_deletion_protection = false -> null
  ~ enable_http2 = true -> null
  ~ enable_tls_version_and_cipher_suite_headers = false -> null
  ~ enable_waf_fail_open = false -> null
}

module.ec2.aws_instance.web[1]: Still destroying... [id=i-0f7eff542d6938546, 1m50s elapsed]
module.vpc.aws_internet_gateway.igw: Still destroying... [id=igw-0b26bb6363630a1c5, 1m50s elapsed]
module.ec2.aws_instance.web[1]: Still destroying... [id=i-0f7eff542d6938546, 2m0s elapsed]
module.vpc.aws_internet_gateway.igw: Still destroying... [id=igw-0b26bb6363630a1c5, 2m0s elapsed]
module.ec2.aws_instance.web[1]: Still destroying... [id=i-0f7eff542d6938546, 2m10s elapsed]
module.vpc.aws_internet_gateway.igw: Still destroying... [id=igw-0b26bb6363630a1c5, 2m10s elapsed]
module.ec2.aws_instance.web[1]: Still destroying... [id=i-0f7eff542d6938546, 2m20s elapsed]
module.vpc.aws_internet_gateway.igw: Still destroying... [id=igw-0b26bb6363630a1c5, 2m20s elapsed]
module.ec2.aws_instance.web[1]: Still destroying... [id=i-0f7eff542d6938546, 2m30s elapsed]
module.vpc.aws_internet_gateway.igw: Still destroying... [id=igw-0b26bb6363630a1c5, 2m30s elapsed]
module.ec2.aws_instance.web[1]: Still destroying... [id=i-0f7eff542d6938546, 2m40s elapsed]
module.vpc.aws_internet_gateway.igw: Still destroying... [id=igw-0b26bb6363630a1c5, 2m40s elapsed]
module.ec2.aws_instance.web[1]: Still destroying... [id=i-0f7eff542d6938546, 2m50s elapsed]
module.vpc.aws_internet_gateway.igw: Still destroying... [id=igw-0b26bb6363630a1c5, 2m50s elapsed]
module.ec2.aws_instance.web[1]: Still destroying... [id=i-0f7eff542d6938546, 3m00s elapsed]
module.vpc.aws_internet_gateway.igw: Still destroying... [id=igw-0b26bb6363630a1c5, 3m00s elapsed]
module.ec2.aws_instance.web[1]: Still destroying... [id=i-0f7eff542d6938546, 3m10s elapsed]
module.vpc.aws_internet_gateway.igw: Still destroying... [id=igw-0b26bb6363630a1c5, 3m10s elapsed]
module.ec2.aws_instance.web[1]: Still destroying... [id=i-0f7eff542d6938546, 3m20s elapsed]
module.vpc.aws_internet_gateway.igw: Still destroying... [id=igw-0b26bb6363630a1c5, 3m20s elapsed]
module.ec2.aws_instance.web[1]: Still destroying... [id=i-0f7eff542d6938546, 3m30s elapsed]
module.vpc.aws_internet_gateway.igw: Still destroying... [id=igw-0b26bb6363630a1c5, 3m30s elapsed]
module.ec2.aws_instance.web[1]: Still destroying... [id=i-0f7eff542d6938546, 3m40s elapsed]
module.vpc.aws_internet_gateway.igw: Still destroying... [id=igw-0b26bb6363630a1c5, 3m40s elapsed]
module.ec2.aws_instance.web[1]: Still destroying... [id=i-0f7eff542d6938546, 3m50s elapsed]
module.vpc.aws_internet_gateway.igw: Still destroying... [id=igw-0b26bb6363630a1c5, 3m50s elapsed]
module.ec2.aws_instance.web[1]: Still destroying... [id=i-0f7eff542d6938546, 4m00s elapsed]
module.vpc.aws_internet_gateway.igw: Still destroying... [id=igw-0b26bb6363630a1c5, 4m00s elapsed]
module.ec2.aws_instance.web[1]: Still destroying... [id=i-0f7eff542d6938546, 4m10s elapsed]
module.vpc.aws_internet_gateway.igw: Still destroying... [id=igw-0b26bb6363630a1c5, 4m10s elapsed]
module.ec2.aws_instance.web[1]: Destruction complete after 4m14s
module.vpc.aws_internet_gateway.igw: Destruction complete after 4m13s
module.vpc.aws_subnet.subnets[1]: Destroying... [id=subnet-0d4d4c97bb7136f7b]
module.vpc.aws_subnet.subnets[0]: Destroying... [id=subnet-0dd714a6205cccfc61]
module.sg.aws_security_group.sg: Destroying... [id=sg-0fbdac3ca85326d02]
module.vpc.aws_subnet.subnets[1]: Destruction complete after 2s
module.vpc.aws_subnet.subnets[0]: Destruction complete after 2s
module.sg.aws_security_group.sg: Destruction complete after 3s
module.vpc.aws_vpc.my_vpc: Destroying... [id=vpc-0b5f80d8162e9b092]
module.vpc.aws_vpc.my_vpc: Destruction complete after 2s

Destroy Complete!
Resources: 15 destroyed.

C:\Users\Himanshu Singh\Documents\project\vpcterraform\terraform-VPC>
```

Now created CICD pipeline with help Of Github Action

GitHub repository page for **Terraform_VPC_CICD_project** by HimanshuSingh1706. The repository is public and has 10 commits. The commit history shows:

- Update deploy.yml (40 minutes ago)
- Delete project_vpterraform/github/workflows directory (50 minutes ago)
- Initial commit (yesterday)

The README section is titled **Terraform_VPC_CICD_project**. The right sidebar shows repository statistics: 0 stars, 1 watching, 0 forks. The Languages section shows HCL at 100.0%.

GitHub Actions workflow run page for **terraform-ci-cd**. The workflow was triggered by HimanshuSingh1706 and succeeded 5 minutes ago. The job summary shows:

- Set up job (15s)
- Checkout (15s)
- Set up Terraform (15s)
- check code (85s)
- Terraform Init (45s)

The logs for the **check code** job show the following commands and output:

```
1 Run aws configure set aws_access_key_id ***
12
13 2024-05-02 16:47:24 myvpcterraformbucket
14 total 20
15 -rw-r--r-- 1 runner docker 165 May 7 12:23 variable.tf
16 -rw-r--r-- 1 runner docker 72 May 7 12:23 terraform.tfvars
17 -rw-r--r-- 1 runner docker 294 May 7 12:23 provider.tf
18 -rw-r--r-- 1 runner docker 4096 May 7 12:23 modules
19 -rw-r--r-- 1 runner docker 478 May 7 12:23 main.tf
```

The logs for the **Terraform Init** job show the following commands and output:

```
1 Run terraform init
2 /home/runner/work/_temp/1cac2fa2-9871-4bf4-aa22-6289990359cb/terraform-bin init
3 Initializing the backend...
4
5 Successfully configured the backend "s3"! Terraform will automatically
6 use this backend unless the backend configuration changes.
7
8 Initializing modules...
9 - alb in modules/alb
10 - ec2 in modules/ec2
```

Summary

Jobs

terraform-ci-cd

Run details

Usage

Workflow file

terraform-ci-cd

succeeded 5 minutes ago in 3m 39s

Search logs

check code

8s

Terraform Init

4s

```
1 ▶ Run terraform init
2 /home/runner/work/_temp/1cac2fa2-9871-4bf4-aa22-6289990359cb/terraform-bin init
3 Initializing the backend...
4
5
6
7
8
9
10
11
12 Successfully configured the backend "s3"! Terraform will automatically
13 use this backend unless the backend configuration changes.
14 Initializing modules...
15 - alb in modules/alb
16 - ec2 in modules/ec2
17 - sg in modules/sg
18 - vpc in modules/vpc
19 Initializing provider plugins...
20 - Finding hashicorp/aws versions matching "5.16.1"...
21 - Installing hashicorp/aws v5.16.1...
22 - Installed hashicorp/aws v5.16.1 (signed by HashiCorp)
23 Terraform has created a lock file .terraform.lock.hcl to record the provider
24 selections it made above. Include this file in your version control repository
25 so that Terraform can guarantee to make the same selections by default when
26 you run "terraform init" in the future.
27 Terraform has been successfully initialized!
28
29 You may now begin working with Terraform. Try running "terraform plan" to see
30 any changes that are required for your infrastructure. All Terraform commands
31 should now work.
32
33 If you ever set or change modules or backend configuration for Terraform,
34 rerun this command to reinitialize your working directory. If you forget, other
35 commands will detect it and remind you to do so if necessary.
```

Terraform Validate

1s

Summary

Jobs

terraform-ci-cd

Run details

Usage

Workflow file

terraform-ci-cd

succeeded 5 minutes ago in 3m 39s

Search logs

Terraform Validate

1s

Terraform Plan

3s

```
1 ▶ Run terraform validate
2 /home/runner/work/_temp/1cac2fa2-9871-4bf4-aa22-6289990359cb/terraform-bin validate
3 Success! The configuration is valid.
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```

Terraform Plan

3s

```
1 ▶ Run terraform plan
2
3 /home/runner/work/_temp/1cac2fa2-9871-4bf4-aa22-6289990359cb/terraform-bin plan
4 module.ec2.data.aws_availability_zones.available: Reading...
5 module.vpc.data.aws_availability_zones.available: Reading...
6 module.ec2.data.aws_ami.amazon-2: Reading...
7 module.vpc.data.aws_availability_zones.available: Read complete after 0s [id-us-east-1]
8 module.ec2.data.aws_availability_zones.available: Read complete after 0s [id-us-east-1]
9 module.ec2.data.aws_ami.amazon-2: Read complete after 0s [id-ami-091c474108fca1315]
10 Terraform used the selected providers to generate the following execution
11 plan. Resource actions are indicated with the following symbols:
12 + create
13 Terraform will perform the following actions:
14 # module.alb.aws_lb.alb will be created
15 + resource "aws_lb" "alb" {
16   + arn                                = (known after apply)
17   + arn_suffix                        = (known after apply)
18   + desync_mitigation_mode            = "defensive"
19   + dns_name                          = (known after apply)
20   + drop_invalid_header_fields        = false
21   + enable_deletion_protection         = false
22   + enable_http2                      = true
23   + enable_tls_version_and_cipher_suite_headers = false
24   + enable_waf_fail_open              = false
25 }
```

Summary

Jobs

terraform-ci-cd

Run details

Usage

Workflow file

terraform-ci-cd

succeeded 5 minutes ago in 3m 39s

Search logs

Terraform Plan

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resource "aws_vpc" "my_vpc" {
 arn = (known after apply)
 cidr_block = "10.0.0.0/16"
 default_network_acl_id = (known after apply)
 default_route_table_id = (known after apply)
 default_security_group_id = (known after apply)
 dhcp_options_id = (known after apply)
 enable_dns_hostnames = (known after apply)
 enable_dns_support = true
 enable_network_address_usage_metrics = (known after apply)
 id = (known after apply)
 instance_tenancy = "default"
 ipv6_association_id = (known after apply)
 ipv6_cidr_block = (known after apply)
 ipv6_cidr_block_network_border_group = (known after apply)
 main_route_table_id = (known after apply)
 owner_id = (known after apply)
 tags = {
 "Name" = "my_vpc"
 }
 tags_all = {
 "Name" = "my_vpc"
 }
}

Plan: 15 to add, 0 to change, 0 to destroy.

Note: You didn't use the -out option to save this plan, so Terraform can't guarantee to take exactly these actions if you run "terraform apply" now.

Summary

Jobs

terraform-ci-cd

Run details

Usage

Workflow file

terraform-ci-cd

succeeded 5 minutes ago in 3m 39s

Search logs

Terraform Apply

3m 19s

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Run terraform apply --auto-approve
/home/runner/work/_temp/1cac2fa2-9871-4bf4-aa22-6289990359cb/terraform-bin apply --auto-approve
module.ec2.data.aws_availability_zones.available: Reading...
module.ec2.data.aws_availability_zones.available: Reading...
module.ec2.data.aws_ami.amazon-2: Reading...
module.ec2.data.aws_availability_zones.available: Read complete after 0s [id-us-east-1]
module.vpc.data.aws_availability_zones.available: Read complete after 0s [id-us-east-1]
module.ec2.data.aws_ami.amazon-2: Read complete after 0s [id-ami-091c474108fca1315]
Terraform used the selected providers to generate the following execution plan. Resource actions are indicated with the following symbols:
+ create
Terraform will perform the following actions:
module.alb.aws_lb.alb will be created
resource "aws_lb" "alb" {
 arn = (known after apply)
 arn_suffix = (known after apply)
 desync_mitigation_mode = "defensive"
 dns_name = (known after apply)
 drop_invalid_header_fields = false
 enable_deletion_protection = false
 enable_http2 = true
 enable_tls_version_and_cipher_suite_headers = false
 enable_waf_fail_open = false
 enable_xff_client_port = false
 id = (known after apply)
 idle_timeout = 60
 internal = false
 ip_address_type = (known after apply)
 load_balancer_type = "application"
 name = "application-load-balancer"
 preserve_host_header = false

Summary

Jobs

terraform-ci-cd

Run details

Usage

Workflow file

terraform-ci-cd

succeeded 6 minutes ago in 3m 39s

Search logs

Terraform Apply 3m 19s

```
428 module.alb.aws_lb.alb: Still creating... [40s elapsed]
429 module.ec2.aws_instance.web[1]: Still creating... [40s elapsed]
430 module.ec2.aws_instance.web[1]: Creation complete after 42s [id=i-0b0cc21b1771669dd]
431 module.alb.aws_lb_target_group_attachment.tga[0]: Creating...
432 module.alb.aws_lb_target_group_attachment.tga[0]: Creation complete after 1s [id=arn:aws:elasticloadbalancing:us-east-1:975850853495:targetgroup/tg/2cf6a3d463cc5e9-20240507122502606000000003]
433 module.alb.aws_lb_target_group_attachment.tga[1]: Creation complete after 1s [id=arn:aws:elasticloadbalancing:us-east-1:975850853495:targetgroup/tg/2cf6a3d463cc5e9-202405071225027062000000004]
434 module.alb.aws_lb.alb: Still creating... [50s elapsed]
435 module.alb.aws_lb.alb: Still creating... [1m0s elapsed]
436 module.alb.aws_lb.alb: Still creating... [1m0s elapsed]
437 module.alb.aws_lb.alb: Still creating... [1m0s elapsed]
438 module.alb.aws_lb.alb: Still creating... [1m20s elapsed]
439 module.alb.aws_lb.alb: Still creating... [1m30s elapsed]
440 module.alb.aws_lb.alb: Still creating... [1m40s elapsed]
441 module.alb.aws_lb.alb: Still creating... [1m50s elapsed]
442 module.alb.aws_lb.alb: Still creating... [2m0s elapsed]
443 module.alb.aws_lb.alb: Still creating... [2m20s elapsed]
444 module.alb.aws_lb.alb: Still creating... [2m30s elapsed]
445 module.alb.aws_lb.alb: Still creating... [2m40s elapsed]
446 module.alb.aws_lb.alb: Still creating... [2m50s elapsed]
447 module.alb.aws_lb.alb: Still creating... [3m0s elapsed]
448 module.alb.aws_lb.alb: Creation complete after 3m0s [id=arn:aws:elasticloadbalancing:us-east-1:975850853495:loadbalancer/app/application-load-balancer/83c995c766d79d9]
449 module.alb.aws_lb_listener.listener: Creating...
450 module.alb.aws_lb_listener.listener: Creation complete after 0s [id=arn:aws:elasticloadbalancing:us-east-1:975850853495:listener/app/application-load-balancer/83c995c766d79d9/9eba723db351aae7]
451
452 Apply complete! Resources: 15 added, 0 changed, 0 destroyed.
453 ::debug::Terraform exited with code 0.
```

Summary

Jobs

terraform-ci-cd

Run details

Usage

Workflow file

terraform-ci-cd

succeeded 6 minutes ago in 3m 39s

Search logs

Terraform Apply 3m 19s

Terraform destroy 0s

```
1 Run terraform destroy --auto-approve
2 /home/runner/work/_temp/1cac3f62-8971-4bf4-a222-6289990350cb/terraform-bin destroy --auto-approve
3 No changes. No objects need to be destroyed.
4 either you have not created any objects yet or the existing objects were
5 already deleted outside of Terraform.
6
7 Destroy complete! Resources: 0 destroyed.
8 ::debug::Terraform exited with code 0.
```

Post Checkout 0s

```
1 Post job cleanup.
2 /usr/bin/git version
3 git version 2.43.2
4 Temporarily overriding HOME='/home/runner/work/_temp/185a2eb8-a22d-4e40-9792-8ab7d79dd24' before making global git config changes
5 Adding repository directory to the temporary git global config as a safe directory
6 /usr/bin/git config --global --add safe.directory /home/runner/work/Terraform_VPC_CICD_project/Terraform_VPC_CICD_project
7 /usr/bin/git config --local --name-only --get-regexp core.sshCommand
8 /usr/bin/git submodule foreach --recursive sh -c "git config --local --name-only --get-regexp 'core.sshCommand' && git config --local --unset-all 'core.sshCommand' || :"
9 /usr/bin/git config --local --name-only --get-regexp http.https://github.com/.extraheader
10 http.https://github.com/.extraheader
11 /usr/bin/git config --local --unset-all http.https://github.com/.extraheader
12 /usr/bin/git submodule foreach --recursive sh -c "git config --local --name-only --get-regexp 'http.https://github.com/.extraheader' && git config --local --unset-all 'http.https://github.com/.extraheader' || :"
```