



The screenshot shows a VS Code editor with a Terraform configuration file named `main.tf`. The configuration defines two `aws_instance` resources: `mumbai_instance` and `virginia_instance`. The `main.tf` file is open in the editor, and the `terraform plan` command has been executed in the terminal. The output shows the plan details, including the resources to be added, the modules processed, and the results of the plan.

```
resource "aws_instance" "mumbai_instance" {
  ami           = "ami-095587984375e8fef"
  instance_type = "t3.micro"
  subnet_id     = "subnet-0a123456"
  vpc_id        = "vpc-0a123456"
  tags = {
    Name = "mumbai_instance"
  }
}

resource "aws_instance" "virginia_instance" {
  ami           = "ami-0ce66fa6978ba12b5"
  instance_type = "t3.micro"
  subnet_id     = "subnet-0a123456"
  vpc_id        = "vpc-0a123456"
  tags = {
    Name = "virginia_instance"
  }
}
```

terminal

```
USER@DESKTOP-B0TG0SO MINGW64 ~/Downloads/terraform-guvi (master)
$ tfiint && tfsec

timings
-----
disk i/o      10.1714ms
parsing       1.1036ms
adaptation    583.5µs
checks        9.6594ms
total         21.5179ms

counts
-----
modules downloaded 0
modules processed  1
blocks processed   21
files read         3

results
-----
passed      8
ignored     0
critical    0
high        0
medium      0
low         0

No problems detected!

USER@DESKTOP-B0TG0SO MINGW64 ~/Downloads/terraform-guvi (master)
$
```

The screenshot shows the same VS Code editor with the Terraform configuration file `main.tf`. The `terraform apply` command has been executed in the terminal. The output shows the changes to the outputs, the confirmation to perform the actions, and the successful execution of the apply command. The resulting outputs are displayed, including the instance IDs and public IPs for the `mumbai_instance` and `virginia_instance`.

```
Changes to Outputs:
+ mumbai_instance_id      = (known after apply)
+ mumbai_instance_public_ip = (known after apply)
+ virginia_instance_id    = (known after apply)
+ virginia_instance_public_ip = (known after apply)

Do you want to perform these actions?
Terraform will perform the actions described above.
Only 'yes' will be accepted to approve.

Enter a value: yes

aws_instance.mumbai_instance: Creating...
aws_instance.virginia_instance: Creating...
aws_instance.mumbai_instance: Still creating... [00m10s elapsed]
aws_instance.virginia_instance: Still creating... [00m10s elapsed]
aws_instance.mumbai_instance: Creation complete after 13s [id=i-059587984375e8fef]
aws_instance.virginia_instance: Creation complete after 18s [id=i-0ce66fa6978ba12b5]

Apply complete! Resources: 2 added, 0 changed, 0 destroyed.

Outputs:

mumbai_instance_id = "i-059587984375e8fef"
mumbai_instance_public_ip = "13.204.69.213"
virginia_instance_id = "i-0ce66fa6978ba12b5"
virginia_instance_public_ip = "13.222.149.243"

USER@DESKTOP-B0TG0SO MINGW64 ~/Downloads/terraform-guvi (master)
$
```

Security groups | EC2 | ap-south-1 | Instances | EC2 | us-east-1

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

EC2 > Instances

Instances (1/1) Info

Find Instance by attribute or tag (case-sensitive)

Instance state = running

Clear filters

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS	Public IPv4 ...	Elastic IP
abhishek-dem...	i-0ce66fa6970ba12b5	Running	t3.micro	Initializing		us-east-1a		13.222.149.243	

i-0ce66fa6970ba12b5 (abhishek-demo-virginia)

Details Status and alarms Monitoring Security Networking Storage Tags

▼ Instance summary Info

Instance ID
i-0ce66fa6970ba12b5

Public IPv4 address
13.222.149.243 | open address

Instance state
Running

Private IP DNS name (IPv4 only)
ip-10-0-0-7.ec2.internal

Instance type
t3.micro

VPC ID
vpc-06ab9d4b81760241 (my-website-vpc)

Subnet ID
subnet-00380185fb82c751 (public-subnet-1)

Auto-assigned IP address
13.222.149.243 [Public IP]

IAM Role
-

Private IPv4 addresses
10.0.0.7

Public DNS
-

Elastic IP addresses
-

AWS Compute Optimizer finding
Opt-in to AWS Compute Optimizer for recommendations. | Learn more

Auto Scaling Group name
-

Security groups | EC2 | ap-south-1 | Instances | EC2 | us-east-1

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

EC2 > Instances

Instances (1/1) Info

Find Instance by attribute or tag (case-sensitive)

Instance state = running

Clear filters

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS	Public IPv4 ...	Elastic IP
abhishek-dem...	i-0ce66fa6970ba12b5	Running	t3.micro	Initializing		us-east-1a		13.222.149.243	

i-0ce66fa6970ba12b5 (abhishek-demo-virginia)

Details Status and alarms Monitoring Security Networking Storage Tags

▼ Security details

IAM Role
-

Owner ID
323997748732

Launch time
Thu Oct 23 2025 22:06:07 GMT+0530 (India Standard Time)

Security groups
sg-0628bdc6b1665f10a (web-access)

▼ Inbound rules

Filter rules

Name	Security group rule ID	Port range	Protocol	Source	Security groups	Description
-	sg-0ae2c01971198b25f	80	TCP	0.0.0.0/0	web-access	-
-	enr-0000000000000000	??	TCP	0.0.0.0/0	web-access	-

Security groups | EC2 | ap-south-1 x Instances | EC2 | ap-south-1 x +

https://ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#Instances:instanceState=running

Search [Alt+S]

Asia Pacific (Mumbai) Account ID: 3239-8776-8732 Abhishek Mishra

EC2 > Instances

Instances (1/1) Info

Find Instance by attribute or tag (case-sensitive)

Instance state = running X Clear filters

Connect Instance state Actions Launch instances

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS	Public IPv4 ...	Elastic IP
abhishek-dem...	i-059587984375e8fe9	Running	t3.micro	3/3 checks passed	View alarms +	ap-south-1b	ec2-13-204-69-213.ap-...	13-204.69.213	-

i-059587984375e8fe9 (abhishek-demo-mumbai)

Details Status and alarms Monitoring Security Networking Storage Tags

▼ Instance summary Info

Instance ID i-059587984375e8fe9

Public IPv4 address 13.204.69.213 | open address

Instance state Running

Private IPv4 addresses 172.31.12.1

Public DNS ec2-13-204-69-213.ap-south-1.compute.amazonaws.com | open address

Private IP DNS name (IPv4 only) ip-172-31-12-1.ap-south-1.compute.internal

Instance type t3.micro

VPC ID vpc-05d8fe2596c1d4725

Subnet ID subnet-c2d6d310338d4d7e94

Auto-assigned IP address 13.204.69.213 [Public IP]

IAM Role

Hostname type IP name: ip-172-31-12-1.ap-south-1.compute.internal

Answer private resource DNS name

Auto Scaling Group name

CloudShell Feedback

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31°C Partly sunny Search 22:09 23-10-2025

Security groups | EC2 | ap-south-1 x Instances | EC2 | ap-south-1 x +

https://ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#Instances:instanceState=running

Search [Alt+S]

Asia Pacific (Mumbai) Account ID: 3239-8776-8732 Abhishek Mishra

EC2 > Instances

Instances (1/1) Info

Find Instance by attribute or tag (case-sensitive)

Instance state = running X Clear filters

Connect Instance state Actions Launch instances

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS	Public IPv4 ...	Elastic IP
abhishek-dem...	i-059587984375e8fe9	Running	t3.micro	3/3 checks passed	View alarms +	ap-south-1b	ec2-13-204-69-213.ap-...	13-204.69.213	-

i-059587984375e8fe9 (abhishek-demo-mumbai)

Details Status and alarms Monitoring Security Networking Storage Tags

▼ Security details

IAM Role

Owner ID 323997748732

Launch time Thu Oct 23 2025 22:06:04 GMT+0530 (India Standard Time)

Security groups sg-0ca17849fb45a2e64 (launch-wizard-5)

▼ Inbound rules

Filter rules

Name	Security group rule ID	Port range	Protocol	Source	Security groups	Description
-	sg-039f78ed03800171	22	TCP	0.0.0.0/0	launch-wizard-5	-

CloudShell Feedback

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31°C Partly sunny Search 22:10 23-10-2025

The screenshot shows a VS Code editor with a file explorer on the left containing files like `main.tf`, `variables.tf`, `terraform.tfvars`, `.gitignore`, `outputs.tf`, `terraform.lock.hcl`, `main.tf`, `outputs.tf`, `terraform.tfstate`, `terraform.tfstate.backup`, `terraform.tfvars`, and `variables.tf`. The main editor displays the `main.tf` file with the following content:

```
resource "aws_instance" "mumbai_instance" {
  ami           = "ami-059587984375e8fe9"
  instance_type = "t3.micro"
  subnet_id     = "subnet-0a1b2c3d"
  vpc_id        = "vpc-0a1b2c3d"
  tags = {
    Name = "mumbai_instance"
  }
}

resource "aws_instance" "virginia_instance" {
  ami           = "ami-0ce66fa6970ba12b5"
  instance_type = "t3.micro"
  subnet_id     = "subnet-0a1b2c3d"
  vpc_id        = "vpc-0a1b2c3d"
  tags = {
    Name = "virginia_instance"
  }
}
```

The terminal output shows the execution of the `terraform destroy` command, which prompts for confirmation to destroy all resources. The user enters `yes`, and the process begins destroying the `aws_instance.mumbai_instance` and `aws_instance.virginia_instance`. The output shows the progress of the destruction, including the time taken for each resource to be destroyed. The process completes with the message: `Destroy complete! Resources: 2 destroyed.`

The screenshot shows a VS Code editor with a file explorer on the left containing files like `main.tf`, `variables.tf`, `terraform.tfvars`, `.gitignore`, `outputs.tf`, `terraform.lock.hcl`, `main.tf`, `outputs.tf`, `terraform.tfstate`, `terraform.tfstate.backup`, `terraform.tfvars`, and `variables.tf`. The main editor displays the `main.tf` file with the following content:

```
resource "aws_instance" "mumbai_instance" {
  ami           = "ami-059587984375e8fe9"
  instance_type = "t3.micro"
  subnet_id     = "subnet-0a1b2c3d"
  vpc_id        = "vpc-0a1b2c3d"
  tags = {
    Name = "mumbai_instance"
  }
}

resource "aws_instance" "virginia_instance" {
  ami           = "ami-0ce66fa6970ba12b5"
  instance_type = "t3.micro"
  subnet_id     = "subnet-0a1b2c3d"
  vpc_id        = "vpc-0a1b2c3d"
  tags = {
    Name = "virginia_instance"
  }
}
```

The terminal output shows the execution of the `terraform destroy` command, which prompts for confirmation to destroy all resources. The user enters `yes`, and the process begins destroying the `aws_instance.mumbai_instance` and `aws_instance.virginia_instance`. The output shows the progress of the destruction, including the time taken for each resource to be destroyed. The process completes with the message: `Destroy complete! Resources: 2 destroyed.`

