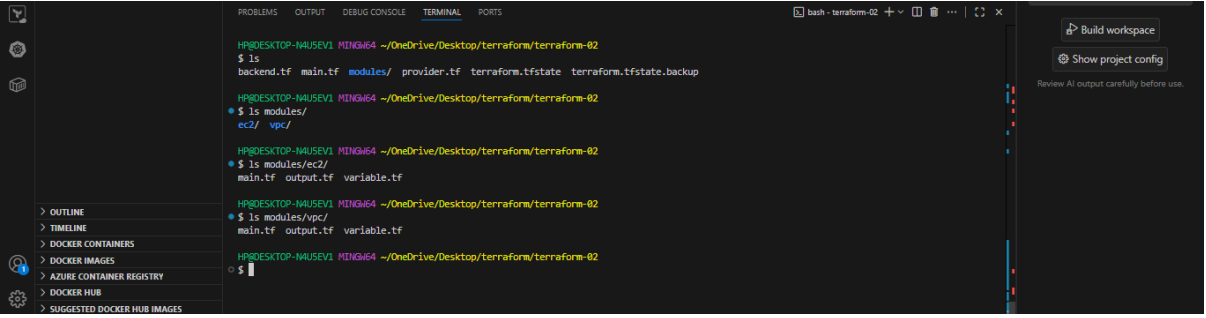


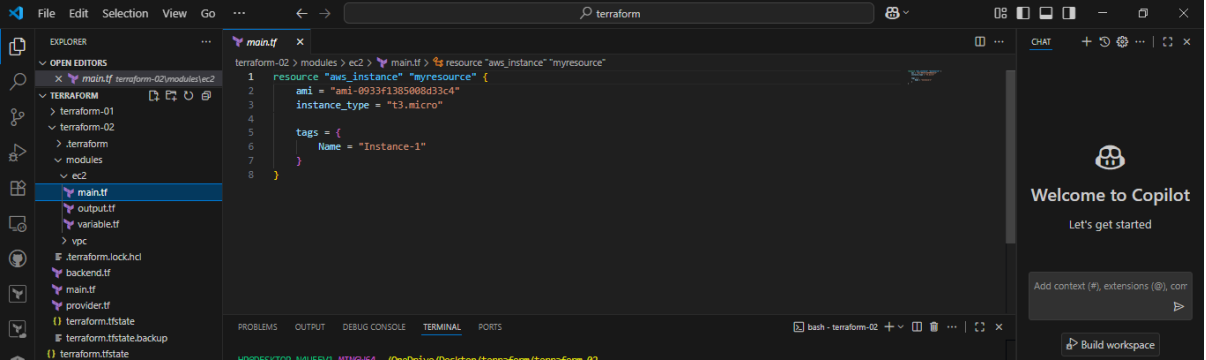
Name : Mayur Hatte

Terraform Assignment 3 – Module and Variable concept

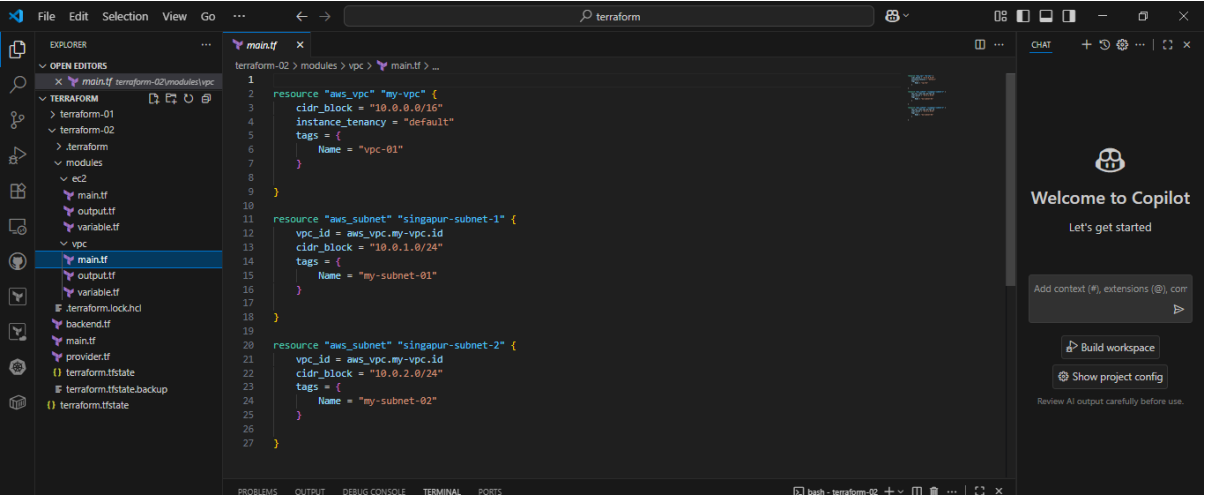
➤ Module concept



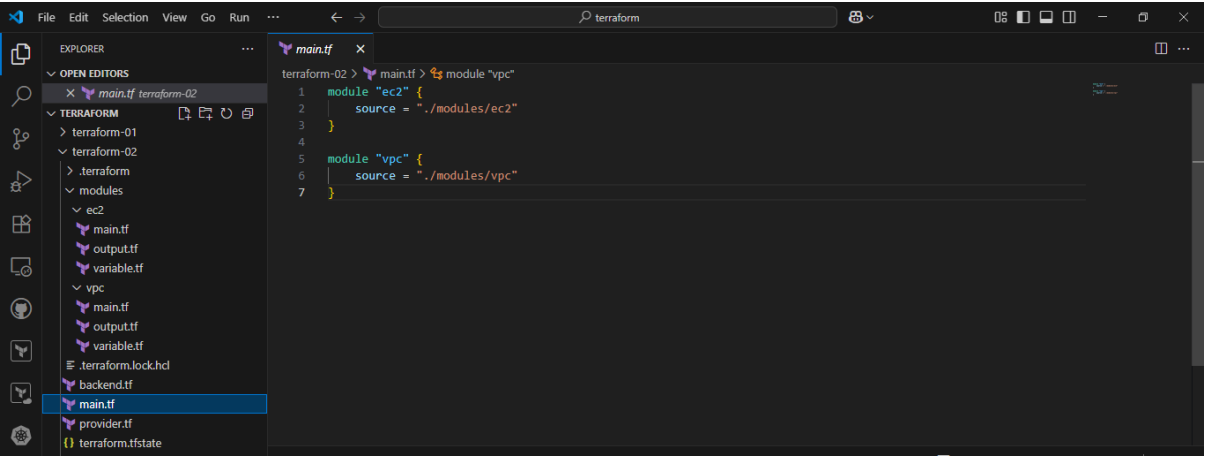
• terraform-02/ec2/main.tf



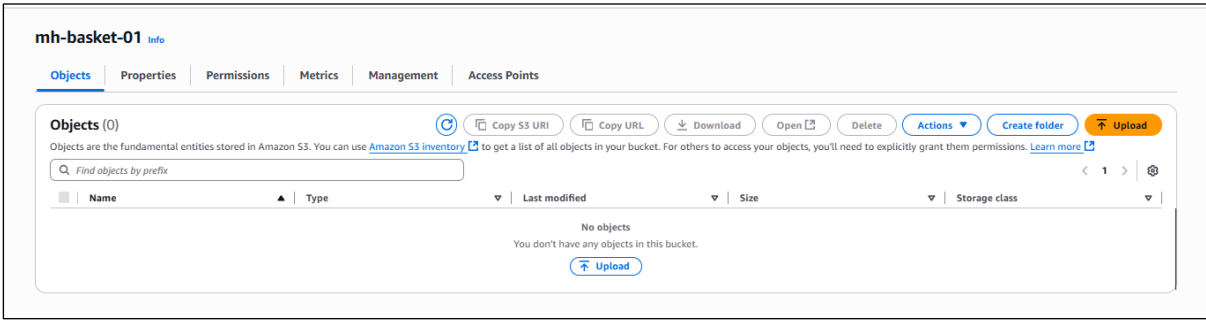
• terraform-02/vpc/main.tf



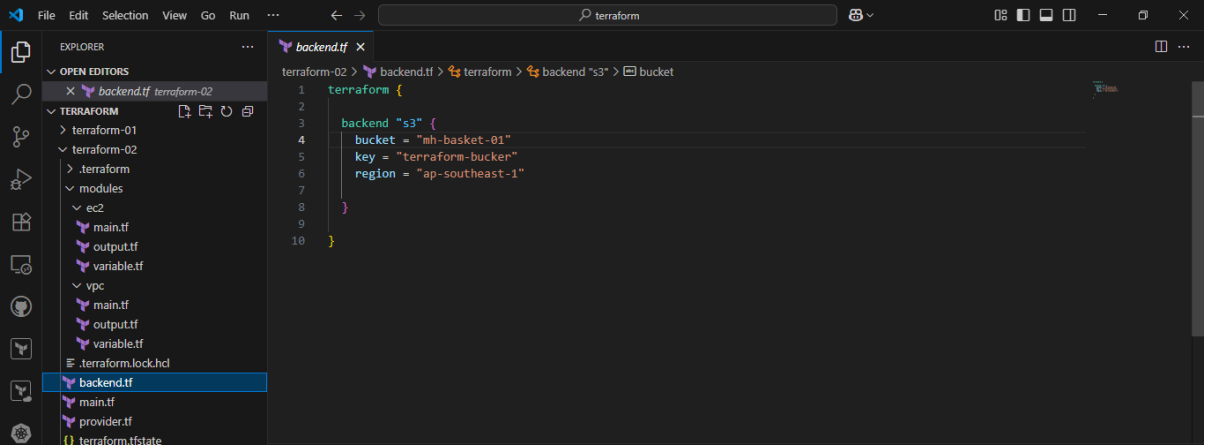
• terraform-02/main.tf



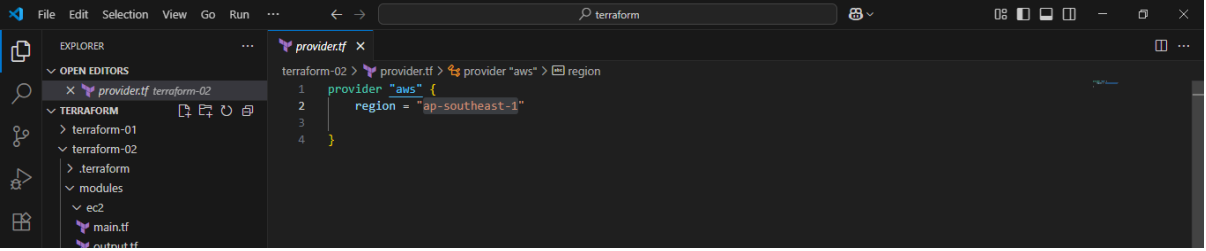
• Create manually S3 bucket on AWS console



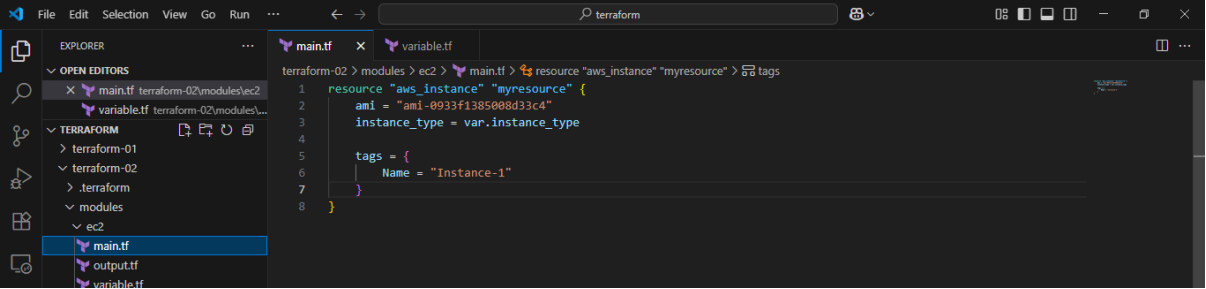
• terraform-02/backend.tf



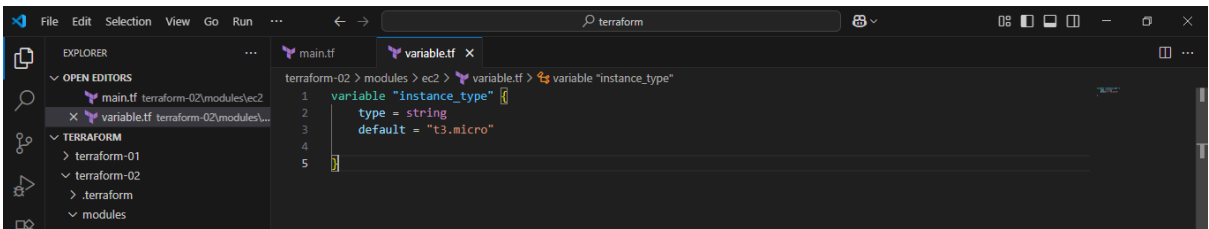
• terraform-02/variable.tf



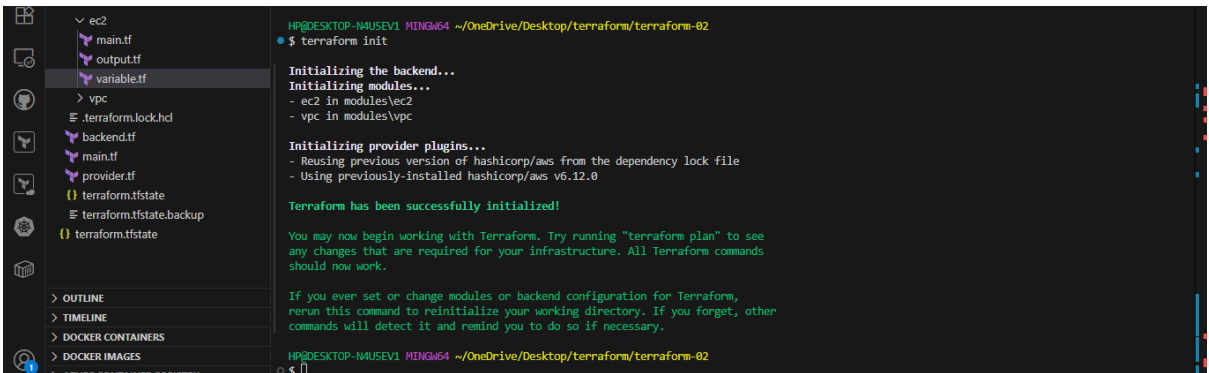
• <edit> terraform-02/ec2/main.tf



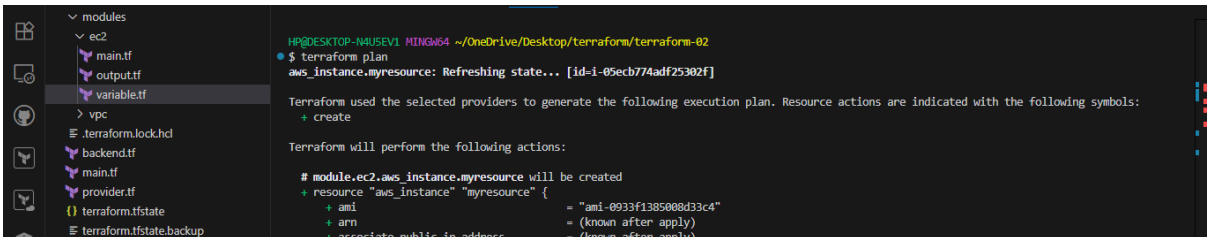
- <edit> terraform-02/ec2/variable.tf



- Terraform-02/
- terraform init

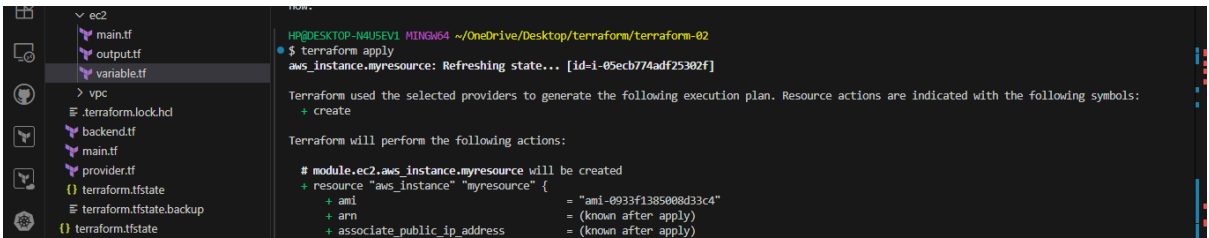


- terraform plan

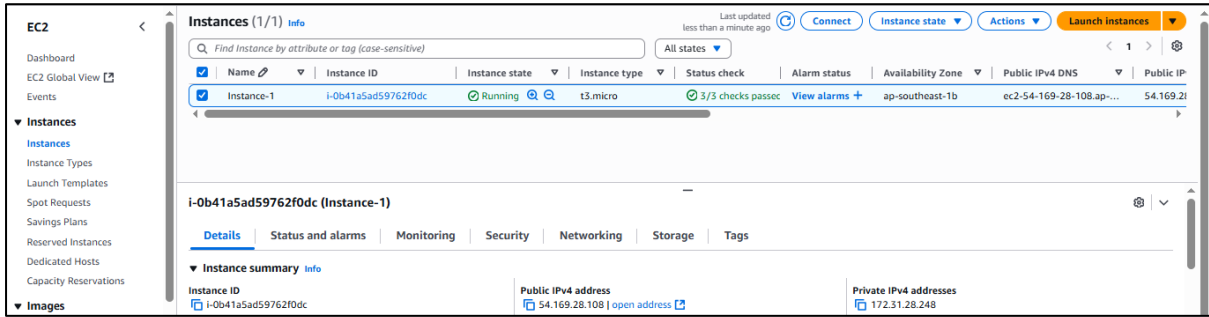


- terraform apply

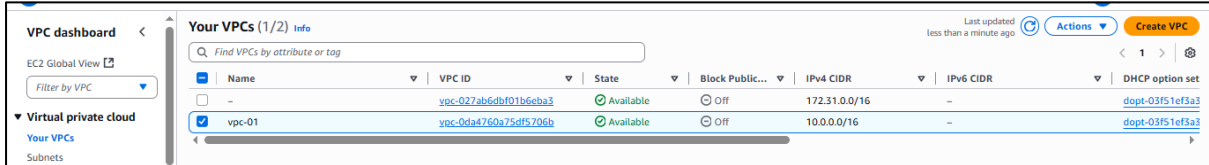
Enter value: yes



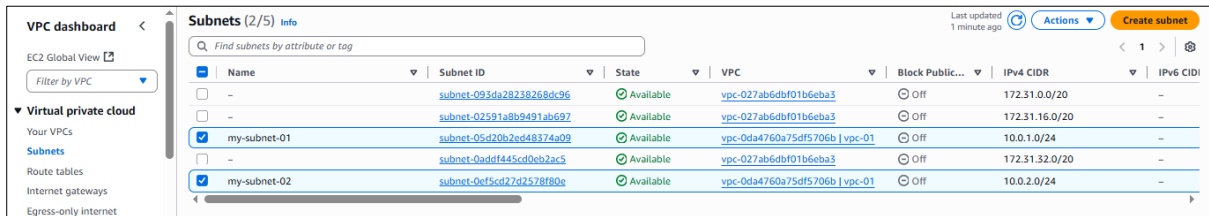
Instance created



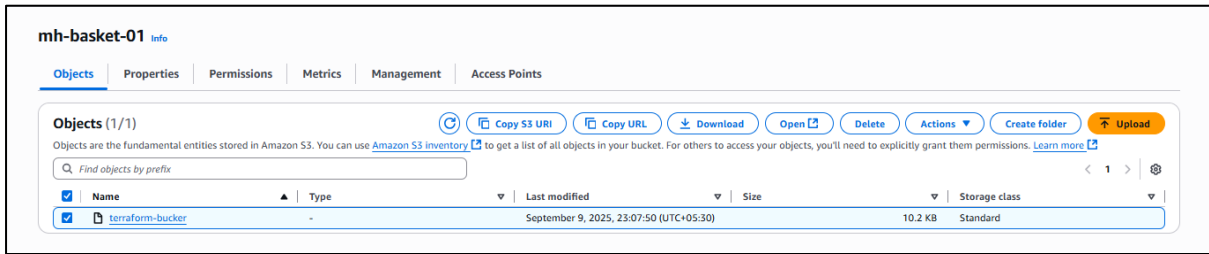
VPC created



Subnet created

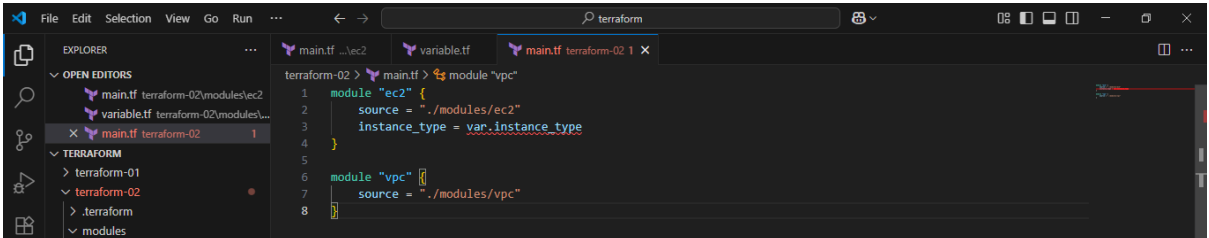


Terraform-state object is inside into this bucket now as backup.



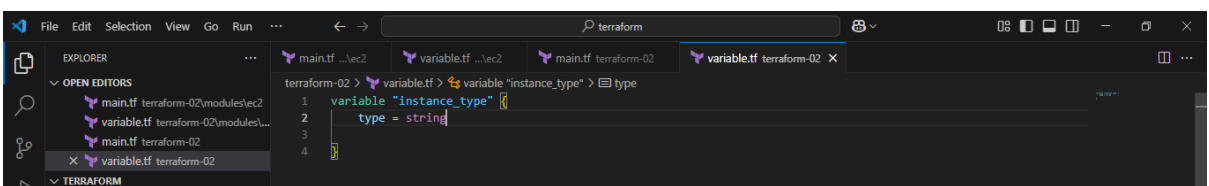
Modifying

- terraform-02/main.tf

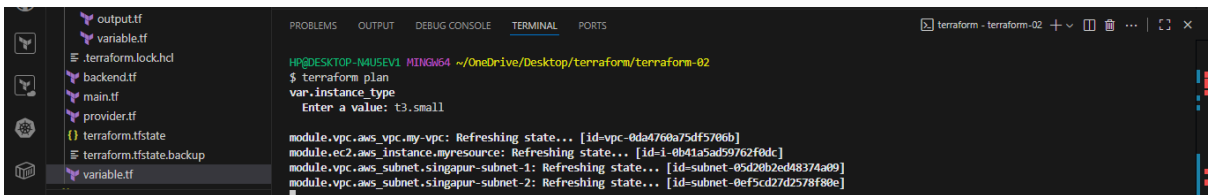


Create file variable.tf

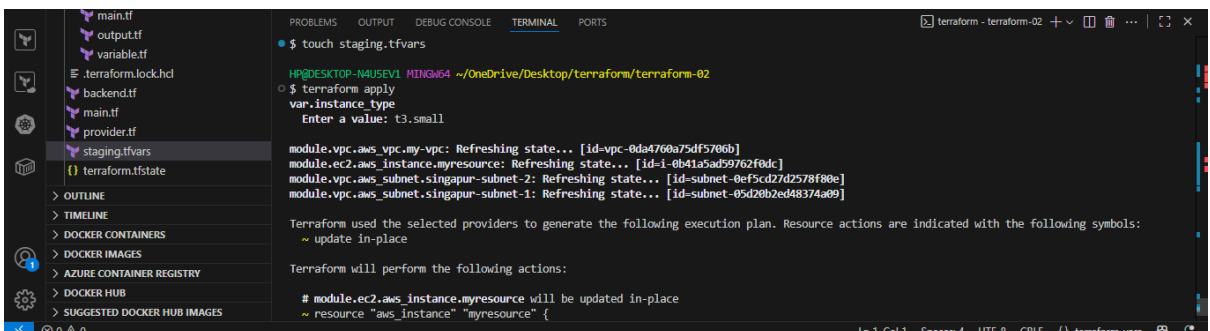
- touch terraform-02/variable.tf



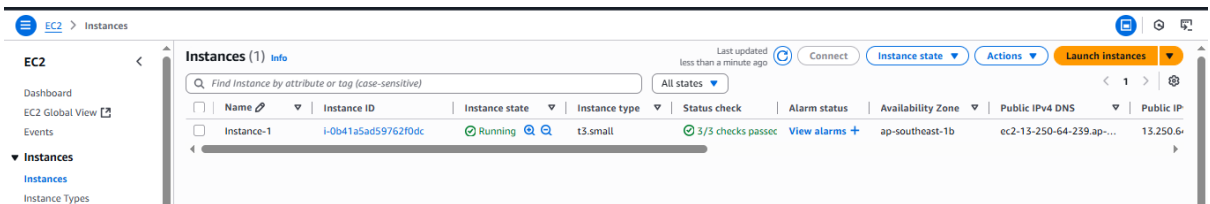
- terraform plan
- Enter value: <instance-type> that you want to make



➤ terraform apply



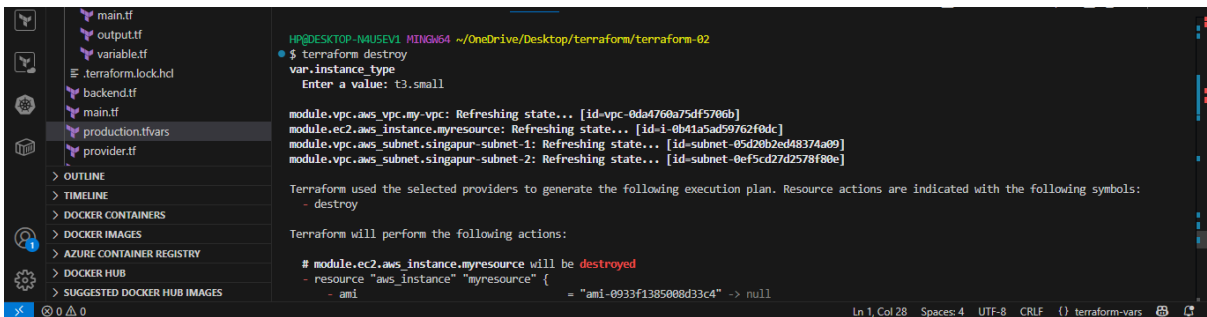
Your instance is modified t3.micro to t3.small



• terraform-02

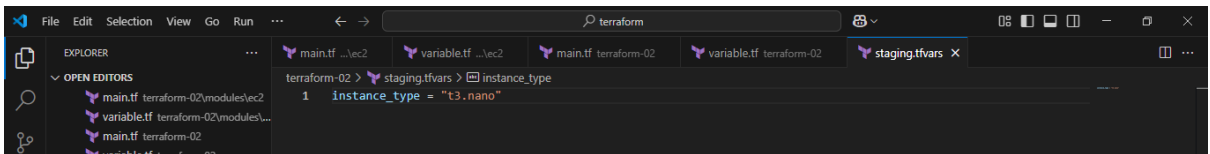
run terraform destroy

Enter value: <running instance type>

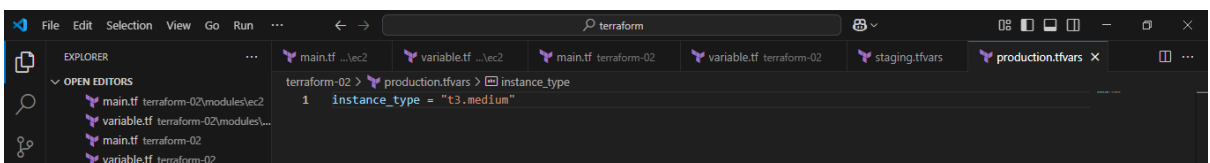


➤ variable concept

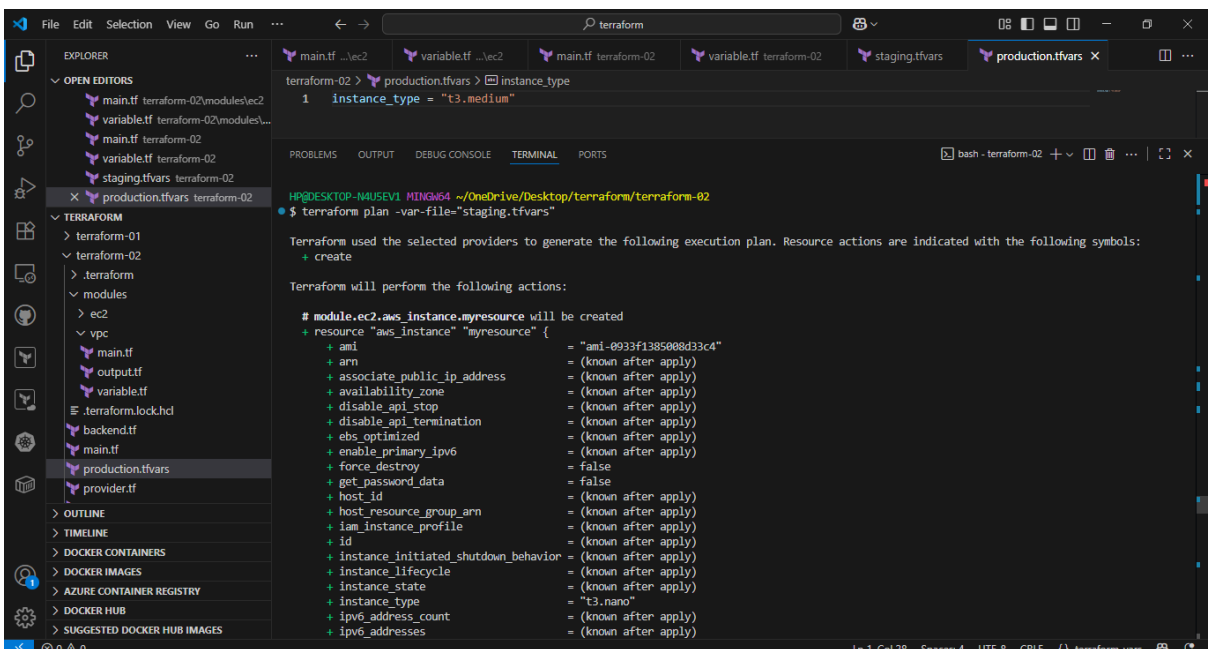
- terraform-02/backend.tf
- touch staging.tfvars



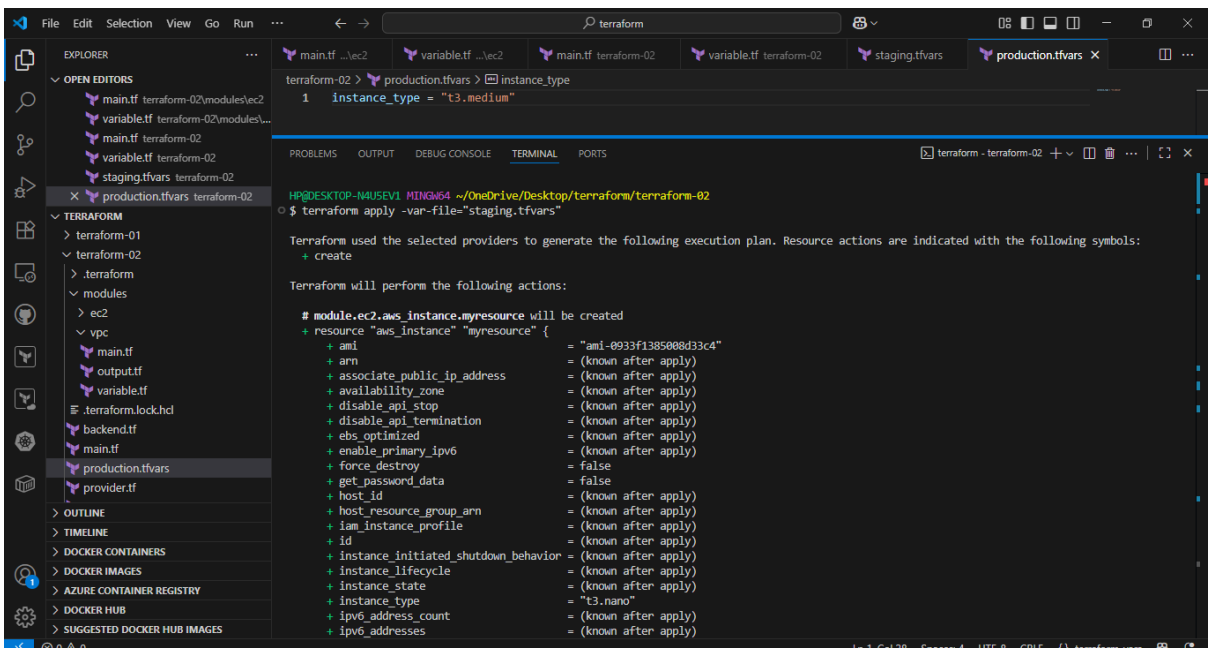
- terraform-02/backend.tf
- touch production.tfvars



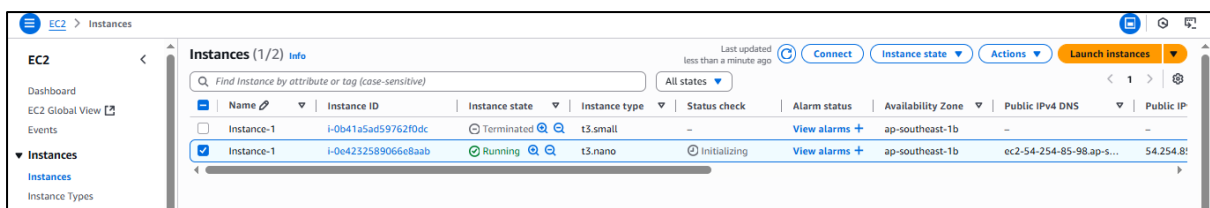
- terraform-02
- terraform plan -var-file="staging.tfvars"



- terraform-02
- terraform apply -var-file="staging.tfvars"

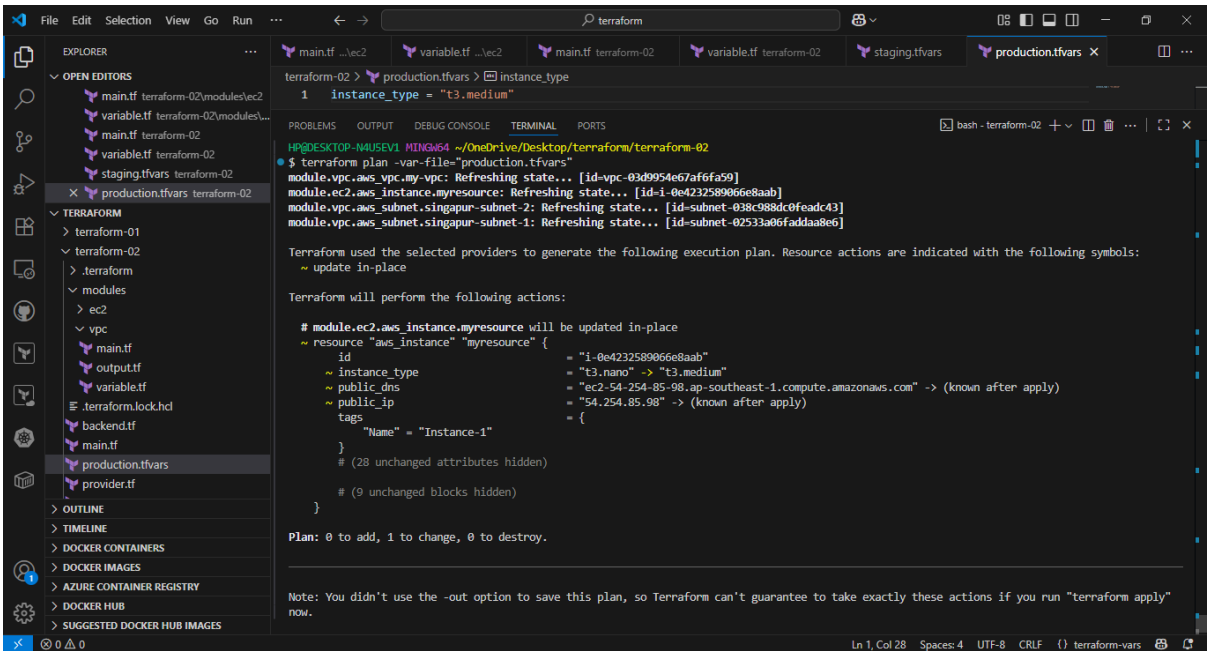


Instance created

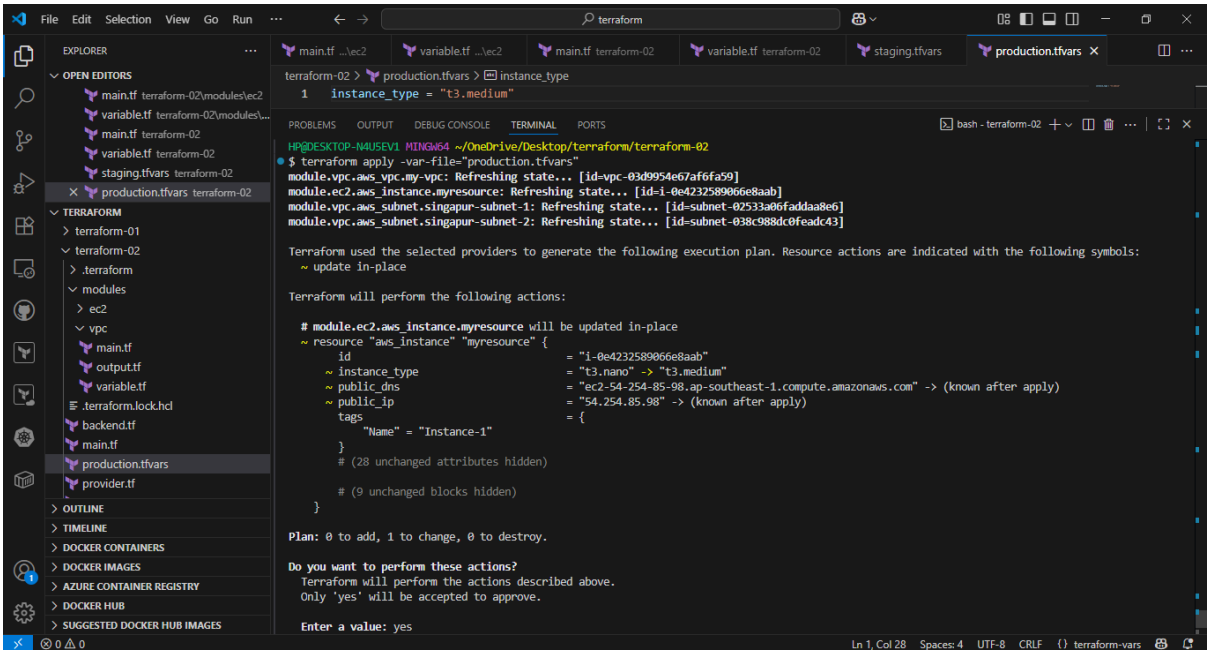


Filter by VPC	Name	Subnet ID	State	VPC	Block Public...	IPv4 CIDR	IPv6 CIDR
	-	subnet-093da28238268dc96	Available	vpc-027ab6dbf01b6eba3	Off	172.31.0.0/20	-
	-	subnet-02591a8b9491ab697	Available	vpc-027ab6dbf01b6eba3	Off	172.31.16.0/20	-
	my-subnet-02	subnet-038c988dc0feadc43	Available	vpc-03d9954e67af6fa59 vpc-01	Off	10.0.2.0/24	-
	my-subnet-01	subnet-02533a06faddaa8e6	Available	vpc-03d9954e67af6fa59 vpc-01	Off	10.0.1.0/24	-
	-	subnet-0ad4ff445cd0eb2ac5	Available	vpc-027ab6dbf01b6eba3	Off	172.31.32.0/20	-

- terraform-02
- terraform plan --var-file="production.tfvars"



- terraform-02
- terraform apply --var-file="production.tfvars"



Instance modified

EC2 > Instances

EC2

Dashboard

EC2 Global View

Events

Instances

Instance Types

Instances (1/2) Info

Last updated less than a minute ago

Connect

Instance state

Actions

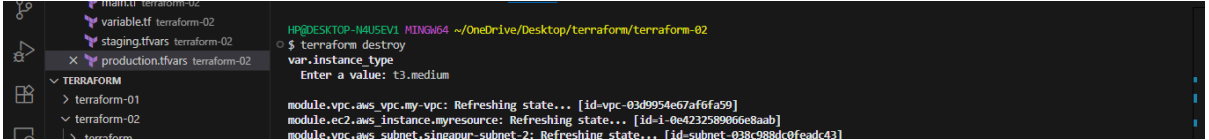
Launch instances

Find Instance by attribute or tag (case-sensitive)

All states

<input checked="" type="checkbox"/>	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS	Public IP
<input type="checkbox"/>	Instance-1	i-0b41a5ad59762f0dc	Terminated	t3.small	-	View alarms +	ap-southeast-1b	-	-
<input checked="" type="checkbox"/>	Instance-1	i-0e4232589066e8aab	Running	t3.medium	Initializing	View alarms +	ap-southeast-1b	ec2-47-128-249-35.ap-...	47.128.2...

- terraform-02
- terraform destroy



EC2

>

Instances

Dashboard

EC2 Global View

Events

Instances

Instance Types

Instances (1/2)

Info

Last updated less than a minute ago

Connect

Instance state

Actions

Launch instances

1

Find Instance by attribute or tag (case-sensitive)

All states

<input checked="" type="checkbox"/>	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS	Public IP
<input type="checkbox"/>	Instance-1	i-0b41a5ad59762f0dc	Terminated	t3.small	-	View alarms +	ap-southeast-1b	-	-
<input checked="" type="checkbox"/>	Instance-1	i-0e4232589066e8aab	Terminated	t3.medium	-	View alarms +	ap-southeast-1b	-	-

While terraform destroy typically targets all resources.