aws-ec2 > main.tf > provider "aws" > region

```
terraform {
  required_providers {
    aws = {
      source = "hashicorp/aws"
      version = "5.54.1"
    }
  }
}

provider "aws" {
  region = "eu-north-1"
}
```

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```
    }
  }

  provider "aws" {
    region = "eu-north-1"
  }

  resource "aws_instance" "myserver" {
    ami = "ami-0705384c0b33c194c"
    instance_type = "t3.micro"

    tags = {
      Name = "SampleServer"
    }
  }
```

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```
Terraform {

required_providers {

  aws = {

    source = " hashicorp/aws"

    version = "  5.54.1"


provider " aws" {

  region = " eu-north-1"

}
```

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```
resource "aws_instance" "myserver" {
  ami = "ami-05fa46471b02dbOce"
  instance_type = "t3.micro"

  tags = {
    Name = "sample server"
  }
}
```

optional

Then save our code

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```
resource "aws_instance" "myserver" {
  ami = "ami-05fa46471b02dbce"
  instance_type = "t3.micro"

  tags = {
    Name = "sample server"
  }
}
```

optional

Then save our code

→ To initial our code 1st we have used command i.e "terraform init". [Terminal shows ~~state~~ — Terraform has been successfully initialized]

→ used 2nd command "terraform plan" command [It shows what changes will created / happened in our file after apply which shows on terminal]

→ After shows all changes then Enter "yes"

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* If we want some changes then only we have to change in file [config file] then "Terraform automatically accept it."

e.g:- we change instance type i.e convert "t3.micro" → "t3.nano" save it.

Then apply then it shows,

Apply complete! Resources: '0' added, '1' changed, '0' ~~destory~~ destroyed

Then go to console and refresh it we can see then change i.e "t3.micro" convert into ~~t3.micro~~ "t3.nano"

→ We perform all tasks and changes but they are correct or not which can be check it by "terraform ~~destroyed~~ validate" use this command

→ if our terminal shows "Success! The configuration is valid & any this wrong then terminal shows Error: unsupported block type

```
14    resource "aws_instance" "myserver" {
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

```
Terraform will perform the following actions:

  # aws_instance.myserver will be updated in-place
  ~ resource "aws_instance" "myserver" {
        id                                   = "i-0483eb9e0c8fecad0"
      ~ instance_type                        = "t3.micro" -> "t3.nano"
        tags                                 = {
            "Name" = "SampleServer"
        }
        # (38 unchanged attributes hidden)

        # (8 unchanged blocks hidden)
    }

Plan: 0 to add, 1 to change, 0 to destroy.

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.myserver: Modifying... [id=i-0483eb9e0c8fecad0]
```

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aws-ec2 > main.tf > resource "aws_instance" "myserver" > ami

```
13
14  resource "aws_instance" "myserver" {
15    ami           = "ami-0c0e147c706360bd7"
16    instance_type = "t3.nano"
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL zsh - aws

```
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.myserver: Destroying... [id=i-0483eb9e0c8fecad0]
aws_instance.myserver: Still destroying... [id=i-0483eb9e0c8fecad0, 10s elapsed]
aws_instance.myserver: Still destroying... [id=i-0483eb9e0c8fecad0, 20s elapsed]
aws_instance.myserver: Still destroying... [id=i-0483eb9e0c8fecad0, 30s elapsed]
aws_instance.myserver: Still destroying... [id=i-0483eb9e0c8fecad0, 40s elapsed]
aws_instance.myserver: Still destroying... [id=i-0483eb9e0c8fecad0, 50s elapsed]
aws_instance.myserver: Still destroying... [id=i-0483eb9e0c8fecad0, 1m0s elapsed]
aws_instance.myserver: Still destroying... [id=i-0483eb9e0c8fecad0, 1m10s elapsed]
aws_instance.myserver: Destruction complete after 1m11s
aws_instance.myserver: Creating...
aws_instance.myserver: Still creating... [10s elapsed]
aws_instance.myserver: Creation complete after 13s [id=i-0e27b8d1886b6cdb0]

Apply complete! Resources: 1 added, 0 changed, 1 destroyed.
```

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→ Last step is that after complet our work we can delete our instance by "terraform destroy"

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