Terraform

1.We need to install terraform in ec2 instance and cp tefform to below path

Cp terraform /usr/local/bin

2.we have to create one directory and also tf file to run the code

Vi manin.tf

3.after creating tf file we have to run the terraform init command.

4. in terraform init we can see syntax errors if you have.

5. if you don’t see any errors and go for terraform plan and terraform apply

6. we can see ec2 instance in aws console.

variable "awsprops" {

type = "map"

default = {

region = "us-east-1"

vpc = "vpc-0789aa32070337ef6"

ami = "ami-08df646e18b182346"

itype = "t2.micro"

subnet = "subnet-09fc9432149d0f6cc"

publicip = true

keyname = "myseckey"

secgroupname = "IAC-Sec-Group"

}

}

provider "aws" {

region = lookup(var.awsprops, "region")

}

resource "aws\_security\_group" "project-iac-sg" {

name = lookup(var.awsprops, "secgroupname")

description = lookup(var.awsprops, "secgroupname")

vpc\_id = lookup(var.awsprops, "vpc")

// To Allow SSH Transport

ingress {

from\_port = 22

protocol = "tcp"

to\_port = 22

cidr\_blocks = ["0.0.0.0/0"]

}

// To Allow Port 80 Transport

ingress {

from\_port = 80

protocol = ""

to\_port = 80

cidr\_blocks = ["0.0.0.0/0"]

}

egress {

from\_port = 0

to\_port = 0

protocol = "-1"

cidr\_blocks = ["0.0.0.0/0"]

}

lifecycle {

create\_before\_destroy = true

}

}

resource "aws\_instance" "project-iac" {

ami = lookup(var.awsprops, "ami")

instance\_type = lookup(var.awsprops, "itype")

subnet\_id = lookup(var.awsprops, "subnet") #FFXsubnet2

associate\_public\_ip\_address = lookup(var.awsprops, "publicip")

key\_name = lookup(var.awsprops, "keyname")

vpc\_security\_group\_ids = [

aws\_security\_group.project-iac-sg.id

]

root\_block\_device {

delete\_on\_termination = true

iops = 150

volume\_size = 50

volume\_type = "gp2"

}

tags = {

Name ="SERVER01"

Environment = "DEV"

OS = "UBUNTU"

Managed = "IAC"

}

depends\_on = [ aws\_security\_group.project-iac-sg ]

}

output "ec2instance" {

value = aws\_instance.project-iac.public\_ip

}}



