Creation of EC2 Ubuntu machine through Terraform – Source Code

provider "aws" {

  region     = "us-east-1"

  access\_key = "AKIA3DCP6TMV4P446SNX"

  secret\_key = "G/83J5x3dowf76df9OhEdVTVTcJKZWZqn/MS1jDq"

}

resource "aws\_instance" "web" {

  ami           = "ami-0574da719dca65348"

  instance\_type = "t2.micro"

  key\_name = "ec2-key-pair"

  vpc\_security\_group\_ids = [aws\_security\_group.main.id]

}

resource "aws\_security\_group" "main" {

  egress = [

    {

      cidr\_blocks      = [ "0.0.0.0/0", ]

      description      = ""

      from\_port        = 0

      ipv6\_cidr\_blocks = []

      prefix\_list\_ids  = []

      protocol         = "-1"

      security\_groups  = []

      self             = false

      to\_port          = 0

    }

  ]

 ingress                = [

   {

     cidr\_blocks      = [ "0.0.0.0/0", ]

     description      = ""

     from\_port        = 22

     ipv6\_cidr\_blocks = []

     prefix\_list\_ids  = []

     protocol         = "tcp"

     security\_groups  = []

     self             = false

     to\_port          = 22

  }

  ]

}

**Terraform Commands**

C:\Users\Administrator\Desktop\Terraform>doskey /history

terraform init

terraform plan

terraform apply

terraform destroy

doskey /history

Commands used to install Java, Jenkins and Python

root@ip-172-31-81-158:/home/ubuntu# history

1 clear

2 java -version

3 java --version

4 sudo apt update -y

5 sudo apt list --upgradable

6 sudo apt-get update

7 java --version

8 sudo apt install openjdk-11-jre-headless

9 java --version

10 sudo apt install jenkins -y

11 curl -fsSL https://pkg.jenkins.io/debian-stable/jenkins.io.key | sudo tee /usr/share/keyrings/jenkins-keyring.asc &gt; /dev/null

12 echo deb [signed-by=/usr/share/keyrings/jenkins-keyring.asc] https://pkg.jenkins.io/debian-stable binary/ | sudo tee /etc/apt/sources.list.d/jenkins.list &gt; /dev/null

13 sudo apt install jenkins -y

14 sudo apt update

15 sudo apt install jenkins -y

16 jenkins --version

17 sudo apt install python3.8

18 python3 --version

19 history



