**Terraform**

These are the list of steps we are going to perform

1. Create a Directory and Download the following file and save it as main.tf
2. Execute the command terraform init to initialize
3. Execute the command terraform plan to check what change would be made. ( Should always do it)
4. If you are happy with the changes it is claiming to make, then execute terraform apply to commit and start the build

variable "region" {

default = “us-east-1”

# access\_key

# secret\_key

}  
   
  
variable "ec2\_ami" {  
 type = map  
 default = {  
 us-east-1 = "ami-0aeeebd8d2ab47354"  
 eu-central-1 = "ami-0bad4a5e987bdebde"  
 }  
}

provider "aws" {

region = "${var.region}"

# access\_key = "${var.access\_key}"

# secret\_key = "${var.secret\_key}"

}

resource "aws\_instance" "app" {

ami = "${lookup(var.ec2\_ami,var.region)}"

instance\_type = "t2.micro"

security\_groups = ["${aws\_security\_group.allow\_ssh.name}"]

tags={

Name = "webserver"

}

}

resource "aws\_security\_group" "allow\_ssh" {

name = "allow\_ssh"

description = "Allow ssh traffic"

ingress {

from\_port = 22 # By default, the linux server listens on TCP port 22 for ssh

to\_port = 22

protocol = "tcp"

cidr\_blocks = ["0.0.0.0/0"]

}

}





