Prog 5

Install terraform from <https://www.terraform.io/downloads.html>

Get zip ,then unzip to a folder u created in c as terraform (windows amd64)

Go inside it take the path ,set the envi var

**Go to cmd type as terraform -version**

Now download aws cli,the <https://aws.amazon.com/cli/> and then inside go down click link get started …and then it will download then run it

Then cmd

**Aws - -version**

**Then aws configure**

**Create new access key in right side name then security then create access key else use**

**AWS Access Key ID [None]: AKIA4T4OB6YSF5NWKG42**

**AWS Secret Access Key [None]: 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**

**Default region name [None]: us-east-1**

**Default output format [None]: json**

Create a folder on desktop and open vs in it

New file [all1.tf](http://all1.tf)

Then put

# Configure the AWS Provider

provider "aws" {

region = "us-east-1"

}

# Create a VPC

resource "aws\_instance" "ec2\_machine" {

ami="ami-0953476d60561c955"

instance\_type="t2.micro"

tags={Name="Terra EC2"}

}

**terraform init**

**terraform plan**

**terraform apply give yes**

### **Step 6: Verify**

Go to your **AWS Console → EC2 → Instances**, and you’ll see the instance running.

### **Step 7: Destroy When Done (to avoid charges)**

terraform destroy

Confirm with yes.

sample.txt in the current directory

**Sample1.txt**

**Hellow..welcome to terraform.**

Then add this to [all1.tf](http://all1.tf)

resource "aws\_s3\_bucket" "demo1\_bucket" {

bucket = "my-unique-s3-bucket-2025-upload-demo"

tags = {

Name = "upload-demo"

}

}

resource "aws\_s3\_bucket\_object" "text\_file" {

bucket = aws\_s3\_bucket.demo1\_bucket.bucket

key = "sample1.txt"

source = "./sample1.txt"

}

**Then terraform init**

**terraform apply**

After applying, sample.txt will be uploaded to the specified S3 bucket. You can verify in the AWS Console > S3.