

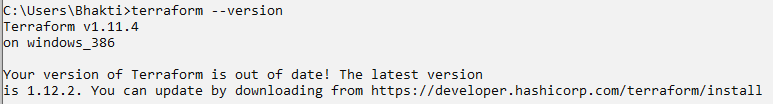
Steps to work with Terraform

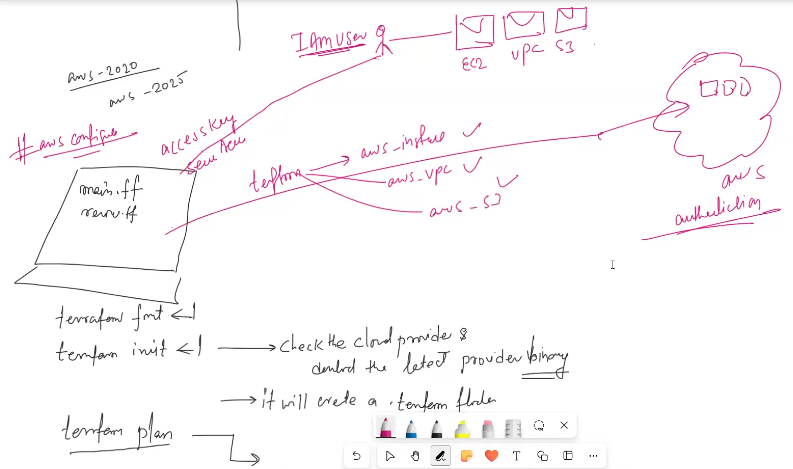
>> Create a folder on Desktop ‘june2025-terraformlab’

>> Install VSCode for Windows

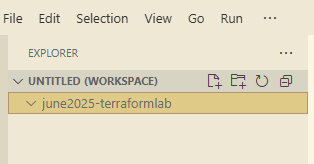
>> Verify Terraform version for winodows

* Terraform –version ......displays terraform





>> Goto VS Code and Add folder to workspace



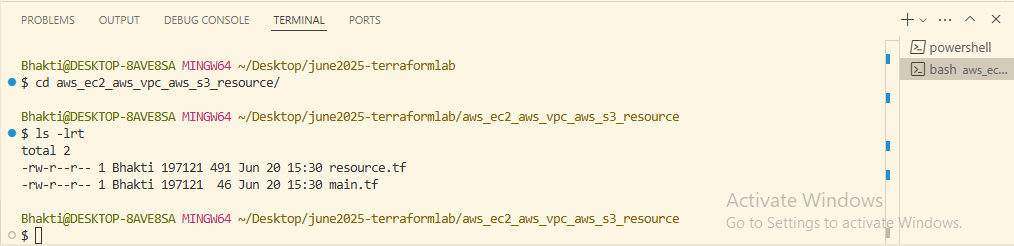
>> Add folder to this workspace as subdirectory = ‘aws\_ec2\_aws\_vpc\_aws\_s3\_resource’

>> Add files – main.tf & resource.tf

>> Update main.tf – point A

>> Update resource.tf – point B

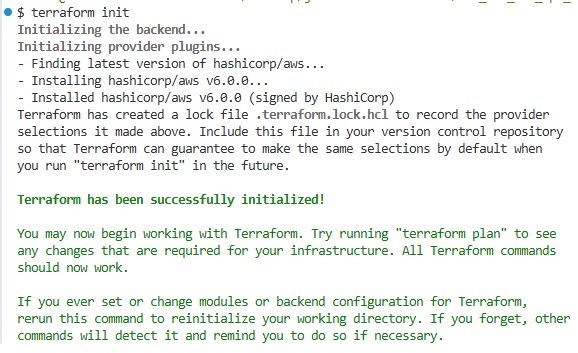
>> Goto terminal >> update shell to Git bash >> cd aws\_ec\_aws\_vpc\_aws\_s3\_resource >> ls –lrt



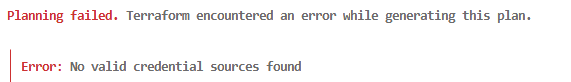
* Terraform fmt ......touches the 2 file and formats the file for alignment



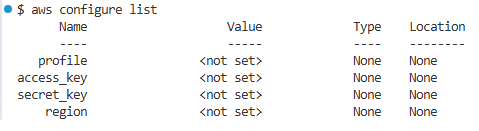
* Terraform validate



* Terraform plan ......display error for user auth

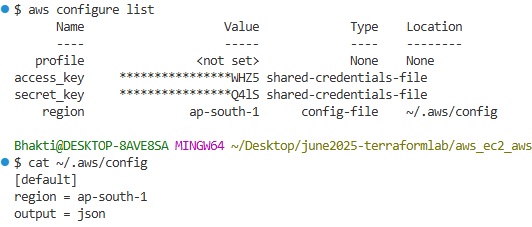


>> Check if IAM user available with access key & secret access key

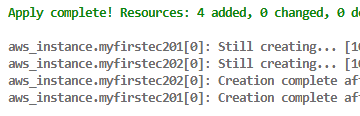


>> Add IAM user >> Goto IAM >> IAM user=terraform-cli >> attach policy directly=adminaccess >> next >> create user >> create access key >> application running outside aws >> next >> open cmd

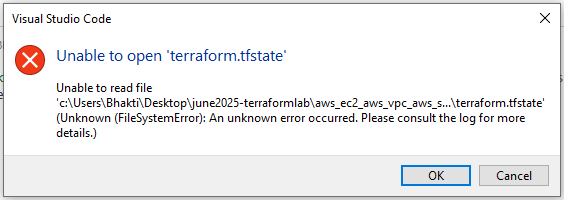
* aws configure
* AWS Access Key ID [None]: AKIA4RCAN7UKBWR4WHZ5
* AWS Secret Access Key [None]: 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
* Default region name [None]: ap-south-1
* Default output format [None]: json



* Terraform plan
* Terraform apply –auto-approve ......aws shows all of them

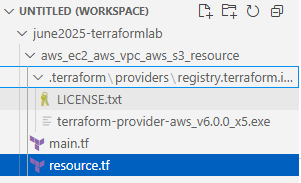
* Terraform destroy –auto-approve ......destroys all resources
* Terraform state list ......locks during apply/destroy, vvv critical



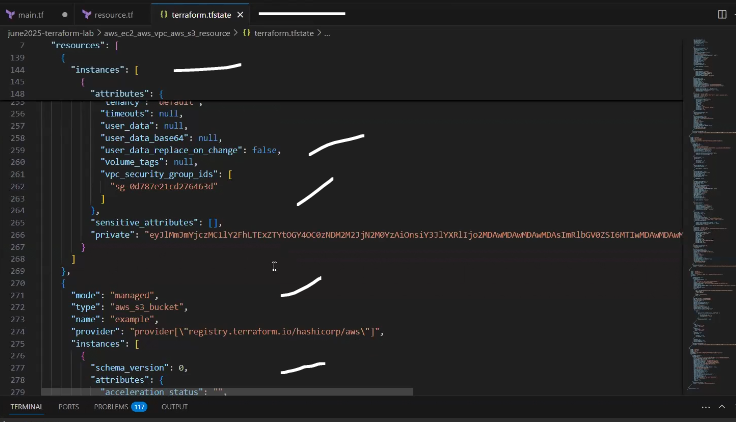
>> Make changes to the code to see the example of (create, update in place, destroy)

* Terraform plan
* Terraform apply –auto-approve
* Terraform destroy –auto-approve

Always go through plan and understand changes 



>> Terraformstate.tf - Terraform account book which stores each and every data about all the terraform updates, very critical because it also creates a backup and is not be touched



A.

provider "aws" {

region = "ap-south-1"

}

B.

resource "aws\_instance" "myfirstec201" {

ami = "ami-0af9569868786b23a"

instance\_type = "t2.micro"

count = "1"

}

resource "aws\_instance" "myfirstec202" {

ami = "ami-0af9569868786b23a"

instance\_type = "t2.micro"

count = "1"

}

resource "aws\_vpc" "main" {

cidr\_block = "10.0.0.0/16"

}

resource "aws\_s3\_bucket" "example" {

bucket = "my-tf-test-bucket9325309959"

tags = {

Name = "My bucket"

Environment = "Dev"

}

}