Creating and maintaining s3 bucket using terraform

1. Initializing terraform and provider

```
GNU nano 8.3
                                                                                                                                                       main.tf
   required_providers {
        aws = {
           source = "hashicorp/aws"
version = "~> 5.0"
provider "aws" {
   region = var.region
data "aws_availability_zones" "az" {}
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                                                                                                                                                                                                             United States (N. Virginia) ▼
                                                                                                                                                                                                                                                         AW$28 @ rg-aws-2
root@ip-172-31-88-162 ec2-user]# terraform init
nitializing the backend...
nitializing provider plugins...
  Finding hashicorp/aws versions matching "~> 5.0"...
Finding hashicorp/aws versions matching "~> 5.0"...

Finding latest version of hashicorp/random...

Installing hashicorp/aws v5.100.0...

Installed hashicorp/aws v5.100.0 (signed by HashiCorp)

Installing hashicorp/random v3.7.2...

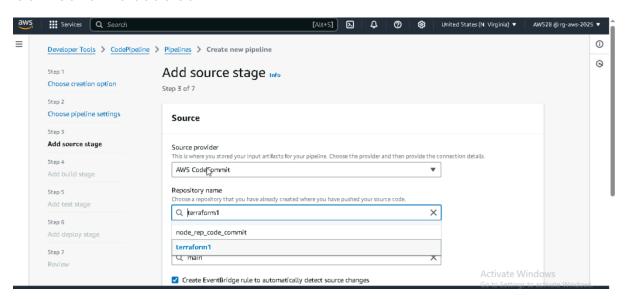
Installed hashicorp/random v3.7.2...

Perraform has created a lock file .terraform.lock.hcl to record the provider selections it made above. Include this file in your version control repository to that Terraform can guarantee to make the same selections by default when you run "terraform init" in the future.
 erraform has been successfully initialized!
 root@ip-172-31-88-162 ec2-user]#
```

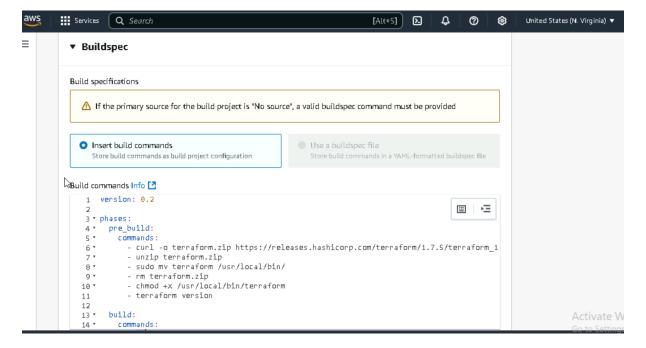
Main.tf and variable .tf files

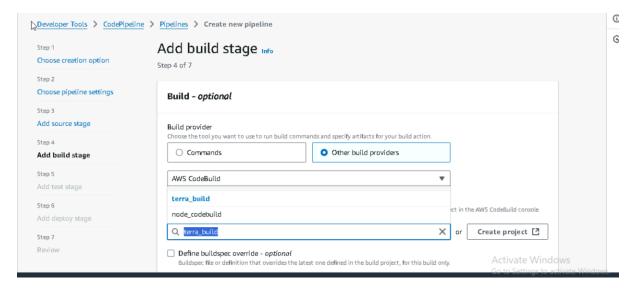
Aws code pipeline to run a terraform scripts:

Connection to code commit

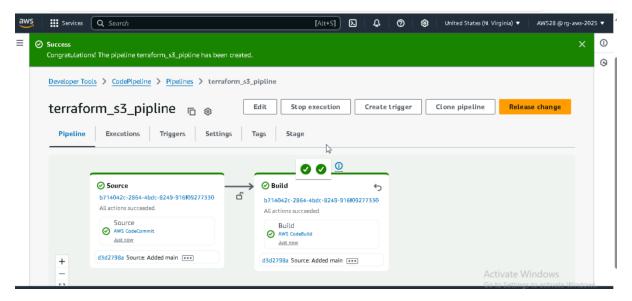


Code build: I have added a build stage and for build terraforminit, plan, apply

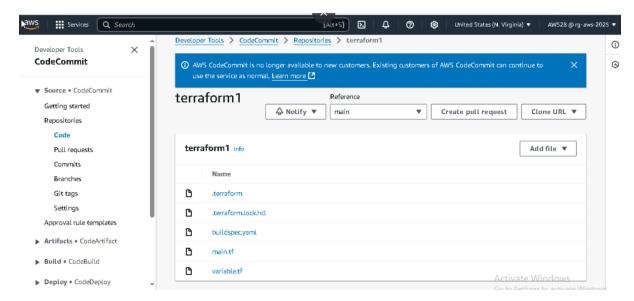




Deployed and verified



Store terraform files in aws code commit:



S3 bucket

