## **ASSIGNMENT 5.5A**

on

# Infrastructure as code

**Submitted by:** 

Haseebullah Shaikh (2303.KHI.DEG.015)

Faiza Gulzar Ahmed (2303.khi.deg.001)

and

Aqsa Tauheed (2303.khi.deg.011)

**Dated:** 22<sup>nd</sup> May 2023

### **Solution:**

**Created private S3 bucket named faiza-gulzar-bucket.** 

```
main.tf
          ×
main.tf
  1
      terraform {
        required providers {
          aws = {
            source = "hashicorp/aws"
            version = ">= 3.20.0"
      provider "aws" {
        region = "us-east-1"
 12
      resource "aws s3 bucket" "s3 data" {
          bucket = "faiza-gulzar-bucket"
          acl = "private"
      output "faiza-gulzar-bucket" {
      value = aws s3 bucket.s3 data.id
```

#### Commands to run above main.tf to create bucket.

```
faizakiyani@all-MS-7D35:~/Documents/Assignment_5.5a$ terraform init

Initializing the backend...

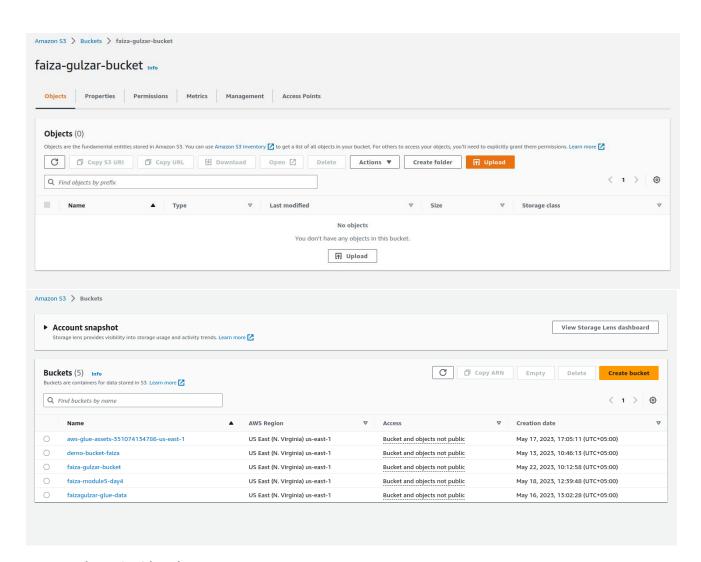
Initializing provider plugins...
- Reusing previous version of hashicorp/aws from the dependency lock file
- Using previously-installed hashicorp/aws v4.67.0

Terraform has been successfully initialized!

You may now begin working with Terraform. Try running "terraform plan" to see any changes that are required for your infrastructure. All Terraform commands should now work.

If you ever set or change modules or backend configuration for Terraform, rerun this command to reinitialize your working directory. If you forget, other commands will detect it and remind you to do so if necessary.
```

```
faiza-gulzar-bucket = "assignment-bucket-0"
                                                                 _5.5a$ terraform apply
aws_s3_bucket.s3_data: Refreshing state... [id=assignment-bucket-0]
Terraform used the selected providers to generate the following execution plan. Resource actions are indicated with the following /+ destroy and then create replacement
Terraform will perform the following actions:
  # aws s3 bucket.s3 data must be
                                        /+ resource "aws_s3_bucket"
+ acceleration_status
           arn
           bucket
           bucket_domain_name
                                                = assignment-bucket-0.s3.amazonaws.com -> (known after apply)
= (known after apply)
= "assignment-bucket-0.s3.amazonaws.com" -> (known after apply)
= "Z3AQBSTGFYJSTF" -> (known after apply)
= "assignment-bucket-0" -> (known after apply)
           bucket_prefix = bucket_regional_domain_name =
           hosted_zone_id
           id
           object_lock_enabled
                                                     false -> (known after apply)
                                                 = (known after apply)
= "us-east-1" -> (known after apply)
= "BucketOwner" -> (known after apply)
           region
           request_payer
                                                 = {} -> null
= {} -> (known after apply)
= (known after apply)
= (known after apply)
           tags
           tags_all
          website_domain
website_endpoint
```



### Command to print id to the output

```
faizakiyani@all-MS-7D35:~/Documents/Assignment_5.5a$ terraform output
faiza-gulzar-bucket = "faiza-gulzar-bucket"
faizakiyani@all-MS-7D35:~/Documents/Assignment_5.5a$
```

All logs of apply and destory saved in txt files in current directory.