EXPLORER — S3
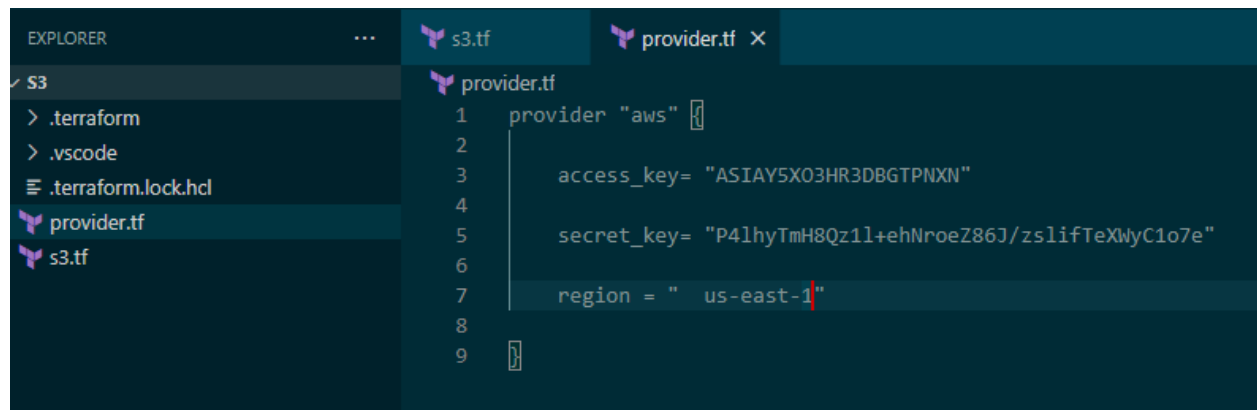
- .terraform
- .vscode
- .terraform.lock.hcl
- provider.tf
- s3.tf

s3.tf

```
1  resource "aws_s3_bucket" "Aditya"{
2  bucket="my-bj-terraform-test-bucket"
3  acl ="public-read"
4
5  tags={
6  Name     ="My Bucket"
7  Environment  ="Dev"
8  }
9
10 }
```

EXPLORER — S3

- .terraform
- .vscode
- .terraform.lock.hcl
- provider.tf
- s3.tf

provider.tf

```
1  provider "aws" {
2
3      access_key= "ASIAY5XO3HR3DBGTPNXN"
4
5      secret_key= "P4lhyTmH8Qz1l+ehNroeZ86J/zslifTeXWyC1o7e"
6
7      region = "  us-east-1"
8
9  }
```

EXPLORER — S3

- .terraform
- .vscode
- .terraform.lock.hcl
- provider.tf
- s3.tf
- terraform.tfstate

provider.tf

```
1   provider "aws" {
2
3       access_key = "ASIAY5XO3HR3DBGTPNXN"
4
5       secret_key = "P4lhyTmH8Qz1l+ehNroeZ86J/zslifTeXWyC1o7e"
6
7       region = "us-east-1"
8
9       token = "IQoJb3JpZ2luX2VjEKX//////////wEaCXVzLXdlc3QtMiJIMEYCIQDhZYZPKaQY3RZfPZhcIkk/7ZSvRv7DhgWon0iLYDTbhQI
10
11  }
```

dir

```
C:\Users\Student.VESIT512-25>cd C:\terraform_scripts\s3

C:\terraform_scripts\s3> dir
 Volume in drive C has no label.
 Volume Serial Number is F49B-BB37

 Directory of C:\terraform_scripts\s3

13/08/2024  09:49    <DIR>          .
08/08/2024  14:42    <DIR>          ..
08/08/2024  14:51    <DIR>          .terraform
08/08/2024  14:51             1,377 .terraform.lock.hcl
13/08/2024  09:47    <DIR>          .vscode
13/08/2024  10:01               148 provider.tf
13/08/2024  10:01               155 s3.tf
               3 File(s)          1,680 bytes
               4 Dir(s)  139,707,342,848 bytes free
```

Terraform init

```
C:\terraform_scripts\s3> terraform init

Initializing the backend...

Initializing provider plugins...
- Reusing previous version of hashicorp/aws from the dependency lock file
- Using previously-installed hashicorp/aws v5.61.0

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.
```

Terraform plan

```
C:\terraform_scripts\s3> terraform plan

Terraform used the selected providers to generate the following execution plan. Resource actions are indicated with the
following symbols:
  + create

Terraform will perform the following actions:

  # aws_s3_bucket.Aditya will be created
  + resource "aws_s3_bucket" "Aditya" {
      + acceleration_status         = (known after apply)
      + acl                         = "public-read"
      + arn                         = (known after apply)
      + bucket                      = "my-bj-terraform-test-bucket"
      + bucket_domain_name          = (known after apply)
      + bucket_prefix               = (known after apply)
      + bucket_regional_domain_name = (known after apply)
      + force_destroy               = false
      + hosted_zone_id              = (known after apply)
      + id                          = (known after apply)
      + object_lock_enabled         = (known after apply)
      + policy                      = (known after apply)
      + region                      = (known after apply)
      + request_payer               = (known after apply)
      + tags                        = {
          + "Environment" = "Dev"
          + "Name"        = "My Bucket"
        }
      + tags_all                    = {
          + "Environment" = "Dev"
          + "Name"        = "My Bucket"
        }
      + website_domain              = (known after apply)
```

Terraform apply

```
Plan: 1 to add, 0 to change, 0 to destroy.

Do you want to perform these actions?
  Terraform will perform the actions described above.
  Only 'yes' will be accepted to approve.

  Enter a value: yes


aws_s3_bucket.aditya: Creating...
aws_s3_bucket.aditya: Creation complete after 5s [id=myuniqueaaqqbucketzh]

Apply complete! Resources: 1 added, 0 changed, 0 destroyed.
```

Amazon S3

▶ **Account snapshot -** *updated every 24 hours* All AWS Regions   View Storage Lens dashboard

Storage lens provides visibility into storage usage and activity trends. Learn more ☑

General purpose buckets   Directory buckets

General purpose buckets (1) Info All AWS Regions   ⟳   🗇 Copy ARN   Empty   Delete   **Create bucket**

Buckets are containers for data stored in S3.

🔍 Find buckets by name   ‹ 1 › ⚙

	Name ▲	AWS Region ▽	IAM Access Analyzer	Creation date ▽
○	myuniqueaaqqbucketzh	US East (N. Virginia) us-east-1	View analyzer for us-east-1	August 13, 2024, 10:29:58 (UTC+05:30)

Terraform destroy

```
Plan: 0 to add, 0 to change, 1 to destroy.

Do you really want to destroy all resources?
  Terraform will destroy all your managed infrastructure, as shown above.
  There is no undo. Only 'yes' will be accepted to confirm.

  Enter a value: yes

aws_s3_bucket.aditya: Destroying... [id=myuniqueaaqqbucketzh]
aws_s3_bucket.aditya: Destruction complete after 1s

Destroy complete! Resources: 1 destroyed.
```

Amazon S3 > Buckets

▶ **Account snapshot -** *updated every 24 hours* All AWS Regions   View Storage Lens dashboard

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General purpose buckets   Directory buckets

General purpose buckets Info All AWS Regions   ↻   ⧉ Copy ARN   Empty   Delete   **Create bucket**

Buckets are containers for data stored in S3.

🔍 Find buckets by name   ‹ 1 ›   ⚙

Name ▲	AWS Region ▽	IAM Access Analyzer	Creation date ▽

No buckets

You don't have any buckets.

Create bucket