

s3.tf	provider.tf
<pre> 1 resource "aws_s3_bucket" "example" { 2 bucket = "my-shreyas939-bucket" 3 4 tags = { 5 Name = "My bucket" 6 Environment = "Dev" 7 } 8 } </pre>	

s3.tf	provider.tf
	<pre> 1 provider "aws" { 2 region = "us-east-1" 3 access_key = "AKIAQGYBPMNSLHJSUMNV" 4 secret_key = "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" 5 } </pre>

```

PS C:\Terraform_Scripts\S3> terraform init
Initializing the backend...
Initializing provider plugins...
- Finding latest version of hashicorp/aws...
- Installing hashicorp/aws v5.62.0...
- Installed hashicorp/aws v5.62.0 (signed by HashiCorp)
Terraform has created a lock file .terraform.lock.hcl to record the provider
selections it made above. Include this file in your version control repository
so that Terraform can guarantee to make the same selections by default when
you run "terraform init" in the future.

```

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.

```
PS 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.example will be created
+ resource "aws_s3_bucket" "example" {
+   acceleration_status      = (known after apply)
+   acl                      = (known after apply)
+   arn                     = (known after apply)
+   bucket                  = "my-shreyas939-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)
+   website_endpoint       = (known after apply)

+ cors_rule (known after apply)

+ grant (known after apply)

+ lifecycle_rule (known after apply)

+ logging (known after apply)

+ object_lock_configuration (known after apply)

+ replication_configuration (known after apply)

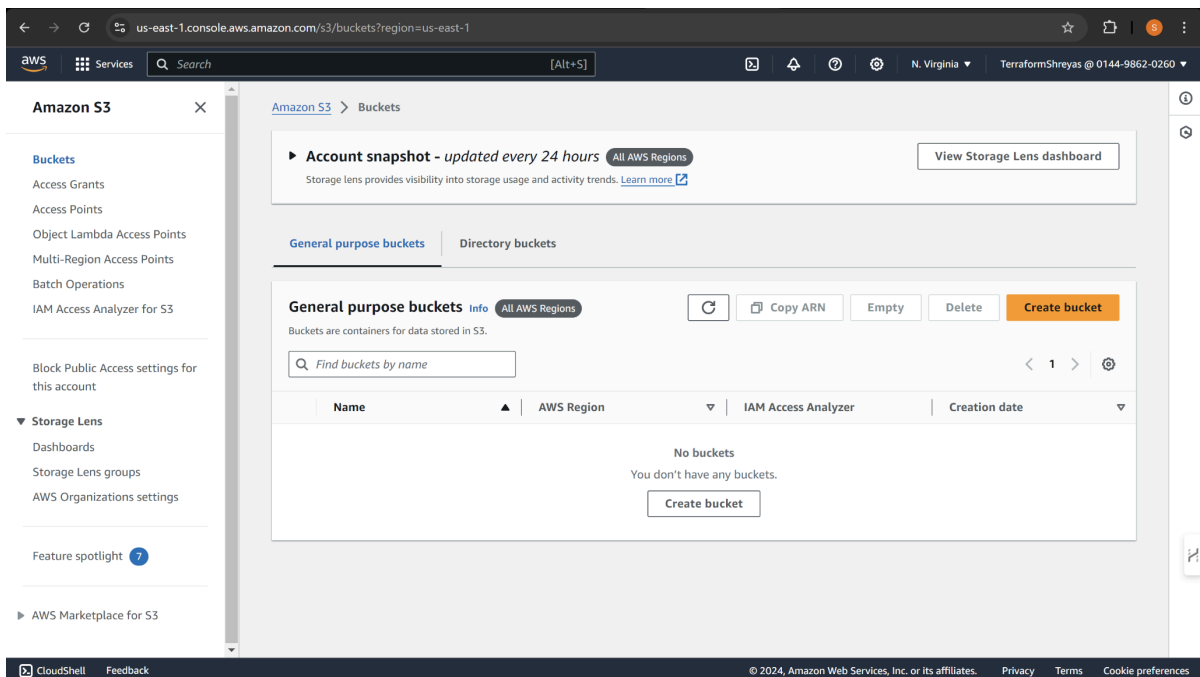
+ server_side_encryption_configuration (known after apply)

+ versioning (known after apply)

+ website (known after apply)
}

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

Note: You didn't use the -out option to save this plan, so Terraform can't guarantee to take exactly these actions if you run "terraform apply" now.



```
PS C:\Terraform_Scripts\S3> terraform apply

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.example will be created
+ resource "aws_s3_bucket" "example" {
  + acceleration_status      = (known after apply)
  + acl                      = (known after apply)
  + arn                      = (known after apply)
  + bucket                  = "my-shreyas939-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)
  + website_endpoint       = (known after apply)

  + cors_rule (known after apply)

  + grant (known after apply)

  + lifecycle_rule (known after apply)

  + logging (known after apply)

  + object_lock_configuration (known after apply)

  + replication_configuration (known after apply)

  + server_side_encryption_configuration (known after apply)

  + versioning (known after apply)

  + website (known after 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.example: Creating...
aws_s3_bucket.example: Creation complete after 5s [id=my-shreyas939-bucket]

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

us-east-1.console.aws.amazon.com/s3/buckets?region=us-east-1

BWS Services Q Search [Alt+S] N. Virginia TerraformShreyas @ 0144-9862-0260

Amazon S3

- Buckets
- Access Grants
- Access Points
- Object Lambda Access Points
- Multi-Region Access Points
- Batch Operations
- IAM Access Analyzer for S3
- Block Public Access settings for this account
- Storage Lens
 - Dashboards
 - Storage Lens groups
 - AWS Organizations settings
- Feature spotlight
- AWS Marketplace for S3

Amazon S3 > Buckets

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

	Name	AWS Region	IAM Access Analyzer	Creation date
	my-shreyas939-bucket	US East (N. Virginia) us-east-1	View analyzer for us-east-1	August 13, 2024, 20:10:21 (UTC+05:30)

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```

PS C:\Terraform_Scripts\S3> terraform destroy
aws_s3_bucket.example: Refreshing state... [id=my-shreyas939-bucket]

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

Terraform will perform the following actions:

# aws_s3_bucket.example will be destroyed
- resource "aws_s3_bucket" "example" {
  - arn                = "arn:aws:s3::my-shreyas939-bucket" -> null
  - bucket             = "my-shreyas939-bucket" -> null
  - bucket_domain_name = "my-shreyas939-bucket.s3.amazonaws.com" -> null
  - bucket_regional_domain_name = "my-shreyas939-bucket.s3.us-east-1.amazonaws.com" -> null
  - force_destroy      = false -> null
  - hosted_zone_id     = "Z3AQBSTGFYJSTF" -> null
  - id                 = "my-shreyas939-bucket" -> null
  - object_lock_enabled = false -> null
  - region             = "us-east-1" -> null
  - request_payer      = "BucketOwner" -> null
  - tags               = {
    - "Environment" = "Dev"
    - "Name"        = "My bucket"
  } -> null
  - tags_all           = {
    - "Environment" = "Dev"
    - "Name"        = "My bucket"
  } -> null
  # (3 unchanged attributes hidden)

  - grant {
    - id          = "1cf2443651d5925bfc739b5bc4df88a93d00f4a756392fedbd3467ffc7bcc612" -> null
    - permissions = [
      - "FULL_CONTROL",
    ] -> null
    - type        = "CanonicalUser" -> null
    # (1 unchanged attribute hidden)
  }

  - server_side_encryption_configuration {
    - rule {
      - bucket_key_enabled = false -> null

      - apply_server_side_encryption_by_default {
        - sse_algorithm = "AES256" -> null
        # (1 unchanged attribute hidden)
      }
    }
  }

  - versioning {
    - enabled = false -> null
    - mfa_delete = false -> null
  }
}

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.example: Destroying... [id=my-shreyas939-bucket]
aws_s3_bucket.example: Destruction complete after 1s

Destroy complete! Resources: 1 destroyed.

```

The screenshot shows the AWS Management Console interface for the Amazon S3 service in the us-east-1 region. The left sidebar contains navigation links for various S3 features like Buckets, Access Grants, and Storage Lens. The main content area is titled 'Amazon S3 > Buckets'. It features an 'Account snapshot' section with a 'View Storage Lens dashboard' button. Below this, there are tabs for 'General purpose buckets' and 'Directory buckets'. The 'General purpose buckets' tab is active, showing a search bar and a table of buckets. The table is currently empty, with a message stating 'No buckets' and 'You don't have any buckets.' A 'Create bucket' button is visible at the bottom of the table.

