

1. Create S3 Bucket

# vi providers.tf

provider "aws" {

profile = "default"

region = "ap-south-1"

}

# vi test1.tf

resource "aws\_s3\_bucket" "bucket1" {

bucket = "awsbatch701"

acl = "private"

}

/\*## private means only bucket owner can access it ##\*/

# vi test2.tf

resource "aws\_s3\_bucket" "bucket2" {

bucket = "awsbatch702"

acl = "public-read"

}

# vi test3.tf

resource "aws\_s3\_bucket" "bucket1" {

bucket = "awsbatch703"

acl = "private"

versioning {

enabled = true

}

}

1. Creating s3 bucket but in another way

module "s3\_bucket" {

source = "terraform-aws-modules/s3-bucket/aws"

bucket = "my-s3-bucket"

acl = "private"

versioning = {

enabled = true

}

}

1. Deleting Empty Bucket

# vi test3.tf

resource "aws\_s3\_bucket" "bucket1" {

bucket = "awsbatch703"

}

# terraform destroy

1. Delete mutiple s3 bucket from different region

# vi test4.tf

provider "aws" {

alias = "ap-south-1"

region = "ap-south-1"

}

provider "aws" {

alias = "us-east-2"

region = "us-east-2"

}

resource "aws\_s3\_bucket" "s3\_bucket\_1" {

bucket = "deepak-testbucket1"

region = "ap-south-1"

provider = "aws.ap-south-1"

}

resource "aws\_s3\_bucket" "s3\_bucket\_2" {

bucket = "deepak-testbucket2"

region = "us-east-2"

provider = "aws.us-east-2"

}

# terraform destroy

1. Create bucket and set lifecycle to delete automatically after 6 months

resource "aws\_s3\_bucket" "bucket" {

bucket = "awsbatch704"

acl = "private"

lifecycle\_rule {

id = "log"

enabled = true

prefix = "log/log.txt"

expiration {

days = 180

}

}

}

1. Enable logging

resource "aws\_s3\_bucket" "log\_bucket" {

bucket = "my-tf-log-bucket"

acl = "log-delivery-write"

}

resource "aws\_s3\_bucket" "b" {

bucket = "my-tf-test-bucket"

acl = "private"

logging {

target\_bucket = aws\_s3\_bucket.log\_bucket.id

target\_prefix = "log/"

}

}



1. Creating IAM User named deepak

provider "aws" {

region = "ap-south-1"

}

resource "aws\_iam\_user" "example" {

name = "deepak"

}

1. Creating multiple user

resource "aws\_iam\_user" "example" {

count = 3

name = "deepak.${count.index}"

}