S3 :

provider "aws" {

region = "us-east-1" # Change as needed

}

resource "aws\_s3\_bucket" "private\_bucket" {

bucket = "my-private-bucket-unique-name-123456" # Change to a globally unique name

tags = {

Name = "PrivateBucket"

Environment = "Dev"

}

}

resource "aws\_s3\_bucket\_acl" "private\_acl" {

bucket = aws\_s3\_bucket.private\_bucket.id

acl = "private"

}

resource "aws\_s3\_bucket\_versioning" "versioning" {

bucket = aws\_s3\_bucket.private\_bucket.id

versioning\_configuration {

status = "Enabled"

}

}

resource "aws\_s3\_bucket\_server\_side\_encryption\_configuration" "encryption" {

bucket = aws\_s3\_bucket.private\_bucket.id

rule {

apply\_server\_side\_encryption\_by\_default {

sse\_algorithm = "AES256"

}

}

}

resource "aws\_s3\_bucket\_lifecycle\_configuration" "lifecycle" {

bucket = aws\_s3\_bucket.private\_bucket.id

rule {

id = "ArchiveAndDelete"

status = "Enabled"

transition {

days = 60

storage\_class = "GLACIER"

}

expiration {

days = 90

}

noncurrent\_version\_transition {

days = 60

storage\_class = "GLACIER"

}

noncurrent\_version\_expiration {

days = 90

}

}

}