

Terraform Backend With S3 and DynamoDB With Terraform Code

```
resource "aws_s3_bucket" "bucket" {
  bucket = "tia-terraform-state-backend"
  versioning {
    enabled = true
  }
  server_side_encryption_configuration {
    rule {
      apply_server_side_encryption_by_default {
        sse_algorithm = "AES256"
      }
    }
  }
  object_lock_configuration {
    object_lock_enabled = "Enabled"
  }
  tags = {
    Name = "S3 Remote Terraform State Store"
  }
}
```

```
resource "aws_dynamodb_table" "terraform-lock" {
  name             = "terraform_state"
  read_capacity    = 5
  write_capacity   = 5
  hash_key         = "LockID"
  attribute {
    name = "LockID"
    type = "S"
  }
  tags = {
    "Name" = "DynamoDB Terraform State Lock Table"
  }
}
```

```

# Terraform Block
terraform {
  required_version = "~> 0.14"
  required_providers {
    aws = {
      source  = "hashicorp/aws"
      version = "~> 3.0"
    }
  }
}

# Adding Backend as S3 for Remote State Storage
backend "s3" {
  bucket      = "tia-terraform-state-backend"
  key         = "terraform.tfstate"
  region      = "eu-west-1"
  dynamodb_table = "terraform_state"
}

# Provider Block
provider "aws" {
  region  = "eu-west-1"
  profile = "default"
}

resource "aws_vpc" "vpc" {
  cidr_block      = "10.0.0.0/16"
  instance_tenancy = "default"
  tags = {
    Name = "vpc"
  }
}

```