# Terraform Backends   
https://developer.hashicorp.com/terraform/language/settings/backends/s3

Using Backends in this project to save the terraform state on a S3 bucket

1. Create a bucket as public (no policy needed)

2. Copy configuration example on terraform page as best practice and paste on **providers.tf**

terraform {

  required\_providers {

    aws = {

      source = "hashicorp/aws"

      version = "5.48.0"

    }

  }

  backend "s3" {

  }

}

provider "aws" {

  region = var.aws\_region

}

3. For security purposes, the bucket name and the state file will be given through command line. For the region, will be created a variable:

terraform init -backend-config=”bucket=<bucket\_name>” -backend-config=”key=<tf\_state\_file>”  
export AWS\_REGION=”us-west-1”

To perform a test, comment all EKS lines on main.tf (takes way longer to provision) and run a terraform apply command.