Terraform: *Variables in Conf File*

➤ Single Place Configuration is not a Good Idea.

➤ Use Variable to Manage the Secrets.

➤ No Need to push AWS creds in Git Repo

➤ User Variable for Dynamic Elements like AMI

➤ Variable Makes files flexible and env independent.

➤ **createInstance.tf -**

```
provider "aws" {
 access_key = "AKIASMSIZOF4QD2NTPB6"
 secret_key = "SECRET_KEY_HERE"
 region     = "us-east-2"
}

resource "aws_instance" "MyFirstInstnace" {
 count        = 3
 ami          = "ami-05692172625678b4e"
 instance_type = "t2.micro"

 tags = {
  Name = "demoinstnce-${count.index}"
 }
}
```

➤ provider.tf -

```
provider "aws" {
  access_key = "AKIASMSIZOF4QD2NTPB6"
  secret_key = "SECRET_KEY_HERE"
  region     = "us-east-2"
}
```

```
provider "aws" {
  access_key = "${var.AWS_ACCESS_KEY}"
  secret_key = "${var.AWS_SECRET_KEY}"
  region     = "${var.AWS_REGION}"
}
```

➤ vars.tf -

```
variable "AWS_ACCESS_KEY" {}
variable "AWS_SECRET_KEY" {}
variable "AWS_REGION" {
    default = "us-east-2"
}
```

➤ **terraform.tfvars -**

```
AWS_ACCESS_KEY = ""
AWS_SECRET_KEY = ""
AWS_REGION = ""
```

➤ **createInstance.tf -**

```
resource "aws_instance" "MyFirstInstnace" {
  ami          = "ami-05692172625678b4e"
  instance_type = "t2.micro"
}
```

See you in next lecture …