



Terraform: Variables in Conf File

Terraform : Deployment Automation

- 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.

Terraform : Deployment Automation

➤ 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}"
  }
}
```

Terraform : Deployment Automation

➤ 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 : Deployment Automation

➤ terraform.tfvars -

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

➤ createInstance.tf -

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

Will see you in Next Lecture...

Thank you!

A close-up photograph of a hand holding a black marker, writing the words 'Thank you!' in a cursive script on a white surface. The hand is positioned on the right side of the frame, with the marker tip touching the paper. The background is plain white.

See you in next lecture ...