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Lab Exercise 4– Terraform Variables

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Objective: Learn how to define and use variables in Terraform configuration.

Prerequisites: • Install Terraform on your machine.

Step 1 Create main.tf

```
provider "aws" {
region = "us-west-2"
}
resource "aws_instance" "example" {
ami = "ami-01e82af4e524a0aa3"
instance_type = "t2.micro"

}
```

Step 2 Create variable.tf

```
variable "region" {
  description = "AWS region"
  default     = "us-west-2"
}

variable "ami" {
  description = "AMI ID"
  default     = "ami-01e82af4e524a0aa3"
}

variable "instance_type" {
  description = "EC2 Instance Type"
  default     = "t2.micro"
}
```

Step 3

```
Apply complete! Resources: 1 added, 0 changed, 0 destroyed.
```

Step 4

```
Plan: 0 to add, 0 to change, 1 to destroy.

Do you really want to destroy all resources?
  Terraform will destroy all your managed infrastructure, as shown above.
  There is no undo. Only 'yes' will be accepted to confirm.

  Enter a value: yes

aws_instance.example: Destroying... [id=i-0ec417eb5a4a61a43]
aws_instance.example: Still destroying... [id=i-0ec417eb5a4a61a43, 10s elapsed]
aws_instance.example: Still destroying... [id=i-0ec417eb5a4a61a43, 20s elapsed]
aws_instance.example: Still destroying... [id=i-0ec417eb5a4a61a43, 30s elapsed]
aws_instance.example: Destruction complete after 33s

Destroy complete! Resources: 1 destroyed.
```