

TASK – 8

Terraform variables:

Terraform variables are inputs that allow you to customize your infrastructure without changing the main code. They make your Terraform configuration reusable, flexible, and clean.

Terraform output:

Terraform output variables are used to display useful information after running terraform apply.

Terraform variables Output:

```
provider.tf > variable "ami_id"
variable "ami_id"{
  type = "string"
  #default = "ami-03978d951b279ec0b"
}

variable "instance_type"{
  type = "string"
  #default = "t3.micro"
}

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS AZURE
Terraform will perform the actions described above.
Only 'yes' will be accepted to approve.

Enter a value: yes

aws_instance.srinath-server: Creating...
aws_instance.srinath-server: Still creating... [00m10s elapsed]
aws_instance.srinath-server: Creation complete after 17s [id=i-09146be2fd1ffleab]

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

Outputs:

EC2_type = "t3.micro"
EC_ami = "ami-03978d951b279ec0b"
PS C:\Users\SRINATH\OneDrive\Desktop\AWS & DEVOPS\Devops\Terraform modules>
```

```
provider.tf > variable instance_type
variable instance_type{
  type = "string"
  #default = "t3.micro"
}

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS AZURE
Terraform will perform the actions described above.
Only 'yes' will be accepted to approve.

Enter a value: yes

aws_instance.srinath-server: Creating...
aws_instance.srinath-server: Still creating... [00m10s elapsed]
aws_instance.srinath-server: Creation complete after 17s [id=i-09146be2fd1ffleab]

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

Outputs:

EC2_type = "t3.micro"
EC_ami = "ami-03978d951b279ec0b"
PS C:\Users\SRINATH\OneDrive\Desktop\AWS & DEVOPS\Devops\Terraform modules>
```

Instances (1) Info

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IP
srinath-server	i-09146be2fd1ff1eb	Running	t3.micro	3/3 checks passed	View alarms	us-west-1a	ec2-13-51-111-111

Select an instance

Terraform output:

```

provider.tf > output "EC_ami"
  1 output "EC_type" {
  2   description = "EC2_instance_type"
  3   value = aws_instance.srinath-server.instance_type
  4
  5 }
  6
  7 output "EC_ami" {
  8   description = "EC2_ami_id"
  9   value = aws_instance.srinath-server.ami
10
11 }

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS AZURE
Terraform will perform the actions described above.
Only 'yes' will be accepted to approve.

Enter a value: yes

aws_instance.srinath-server: Creating...
aws_instance.srinath-server: Still creating... [00m10s elapsed]
aws_instance.srinath-server: Creation complete after 17s [id=i-09146be2fd1ff1eb]

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

Outputs:

EC_type = "t3.micro"
EC_ami = "ami-03978d951b279ec0b"
PS C:\Users\SRINATH\OneDrive\Desktop\AWS & DEVOPS\Devops\Terraform modules> []

```