Lab Exercise 8- Creating a VPC in Terraform

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B. Tech. CSE-DevOps - B1, 6th SEM

1. Create Terraform Configuration Files

```
TERRAFORM-VPC >  var.tf >  variable "instance_type"

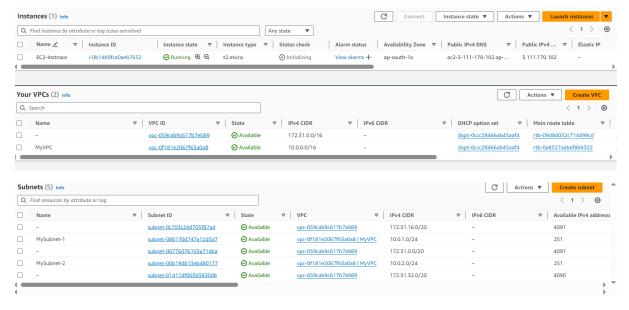
1  variable "ami" {
2   type = string
3   default = "ami-03f4878755434977f"
4  }
5
6  variable "instance_type" {
7   type = string
8   default = "t2.micro"
9  }
```

2. Define a VPC with a specified CIDR block, and two subnets within the VPC

```
TERRAFORM-VPC > 🍸 resources.tf > ધ resource "aws_subnet" "my_subnet"
       resource "aws_instance" "UPES" {
       ami = var.ami
        instance_type = var.instance_type
       tags = {
          Name = "EC2-Instnace"
       resource "aws_vpc" "my_vpc" {
          cidr_block = "10.0.0.0/16"
           enable_dns_support = true
          enable_dns_hostnames = true
          tags = {
          Name = "MyVPC"
       resource "aws_subnet" "my_subnet" {
        count = 2
        vpc_id
                                = aws_vpc.my_vpc.id
        cidr_block = "10.0.${count.index + 1}.0/24"
availability_zone = "ap-south-1a"
       cidr_block
        map_public_ip_on_launch = true
        tags = {
        Name = "MySubnet-${count.index + 1}"
       3
30
```

3. Initialize & Apply

4. Check the AWS Console



5. Clean Up

```
Description of the Addition of
```