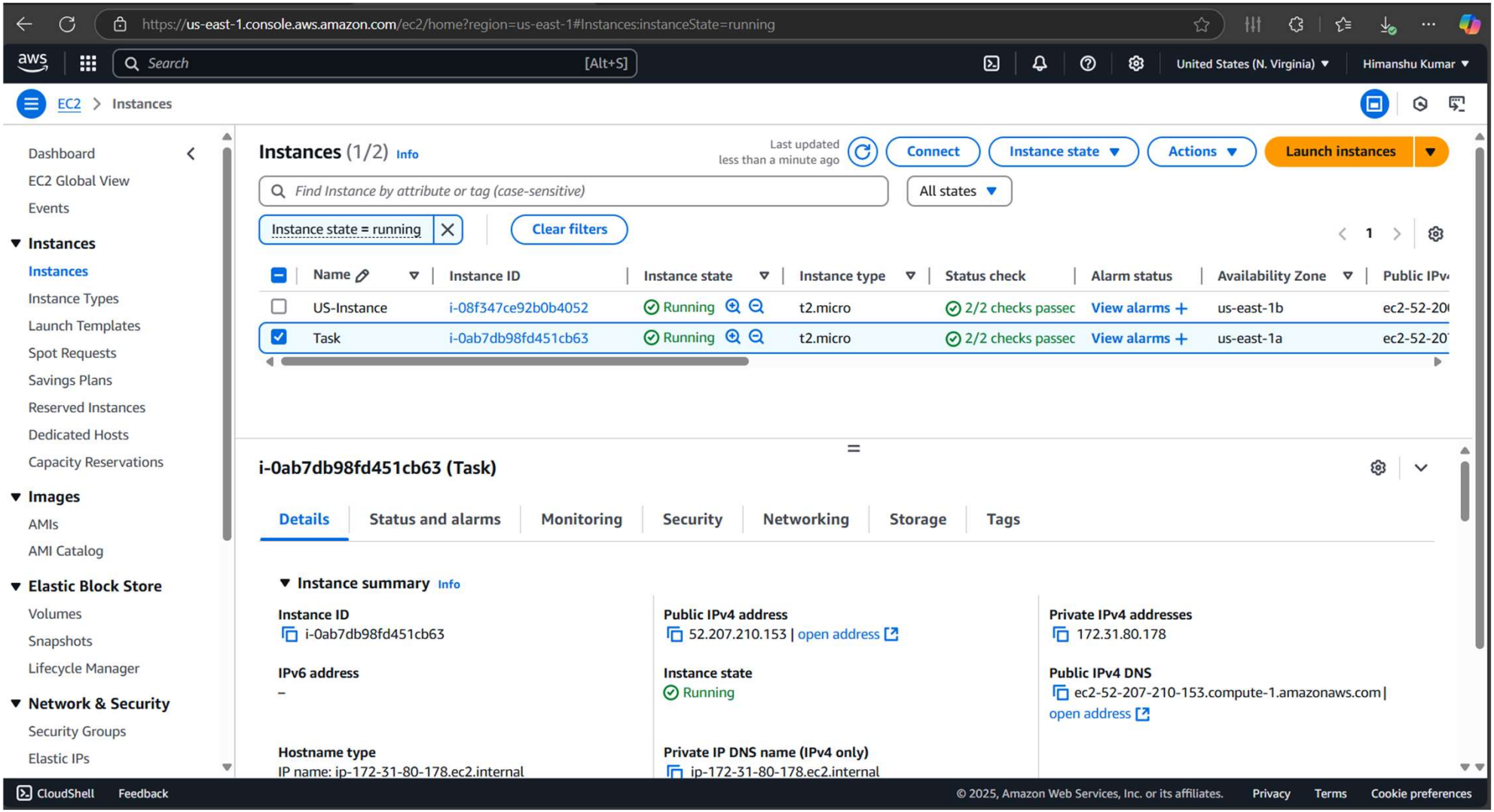
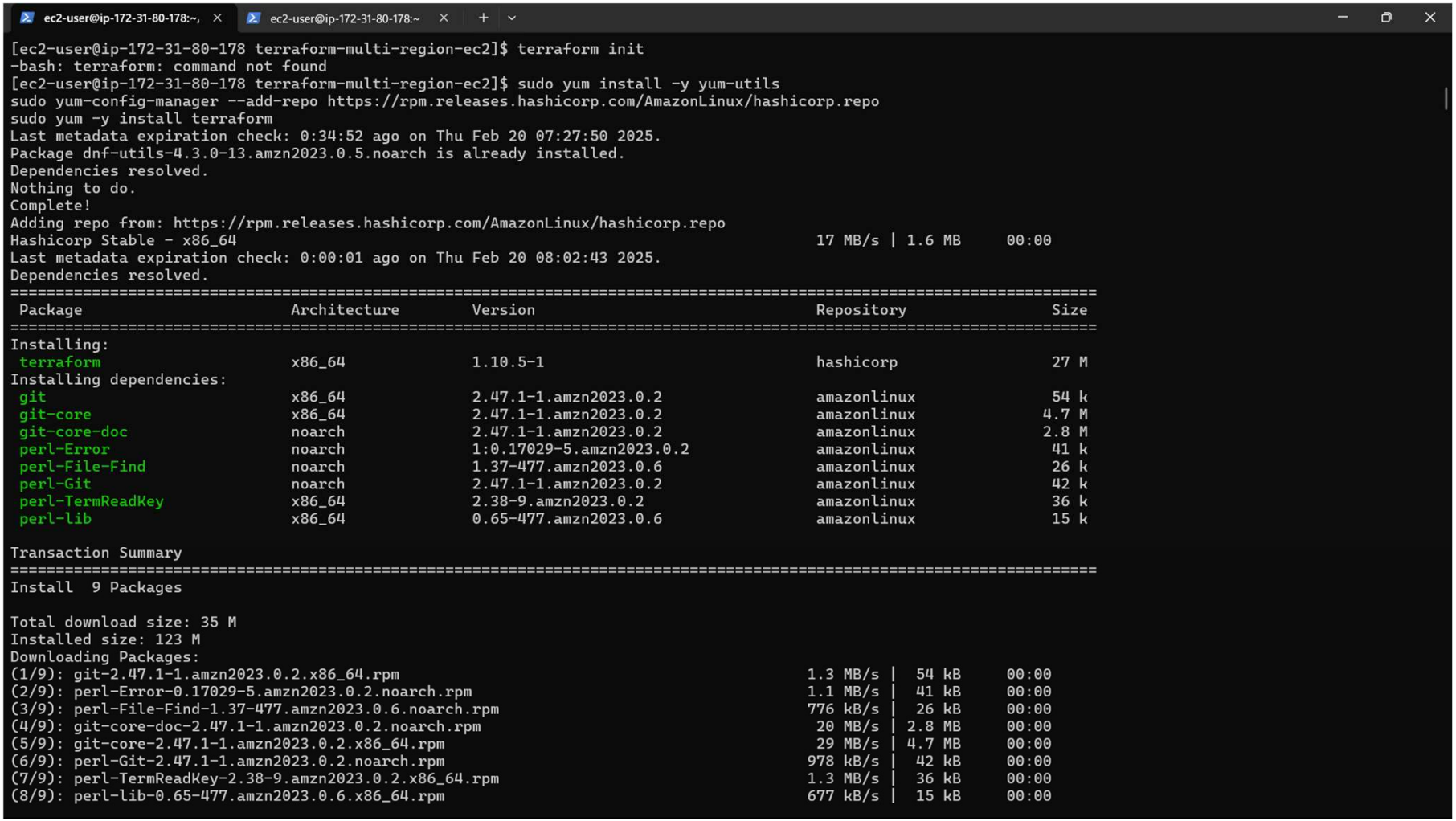
AWS instances



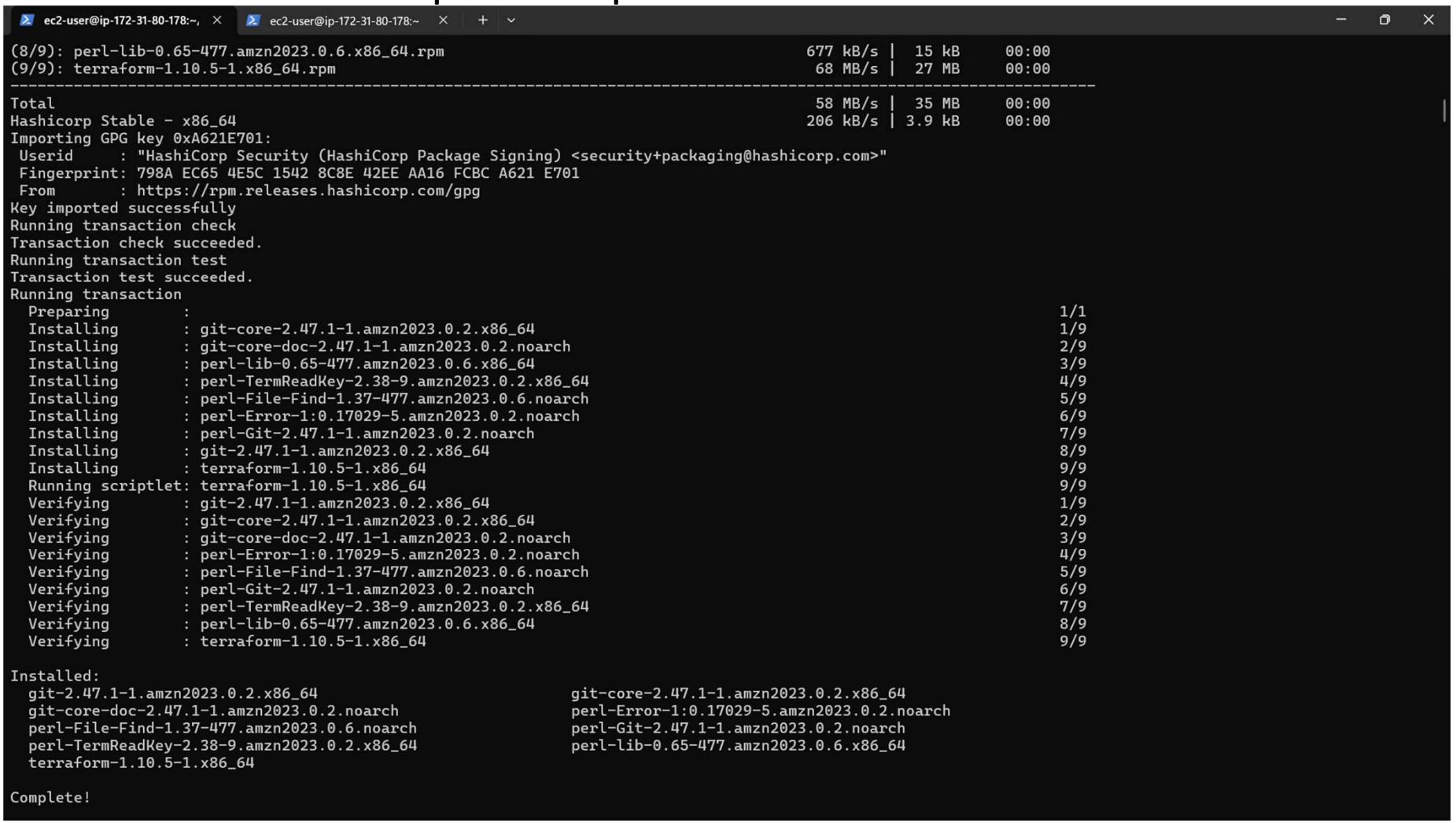
AWS CLI configure

```
pass
[ec2-user@ip-172-31-80-178 ~]$ aws configure
AWS Access Key ID [None]: AKIAU6PKIZLAKK5JK5MY
AWS Secret Access Key [None]: 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
Default region name [None]: us-east-1
Default output format [None]: json
[ec2-user@ip-172-31-80-178 ~]$ mkdir terraform-multi-region-ec2 && cd terraform-multi-region-ec2
[ec2-user@ip-172-31-80-178 terraform-multi-region-ec2]$ touch main.tf
[ec2-user@ip-172-31-80-178 terraform-multi-region-ec2]$ ls
```

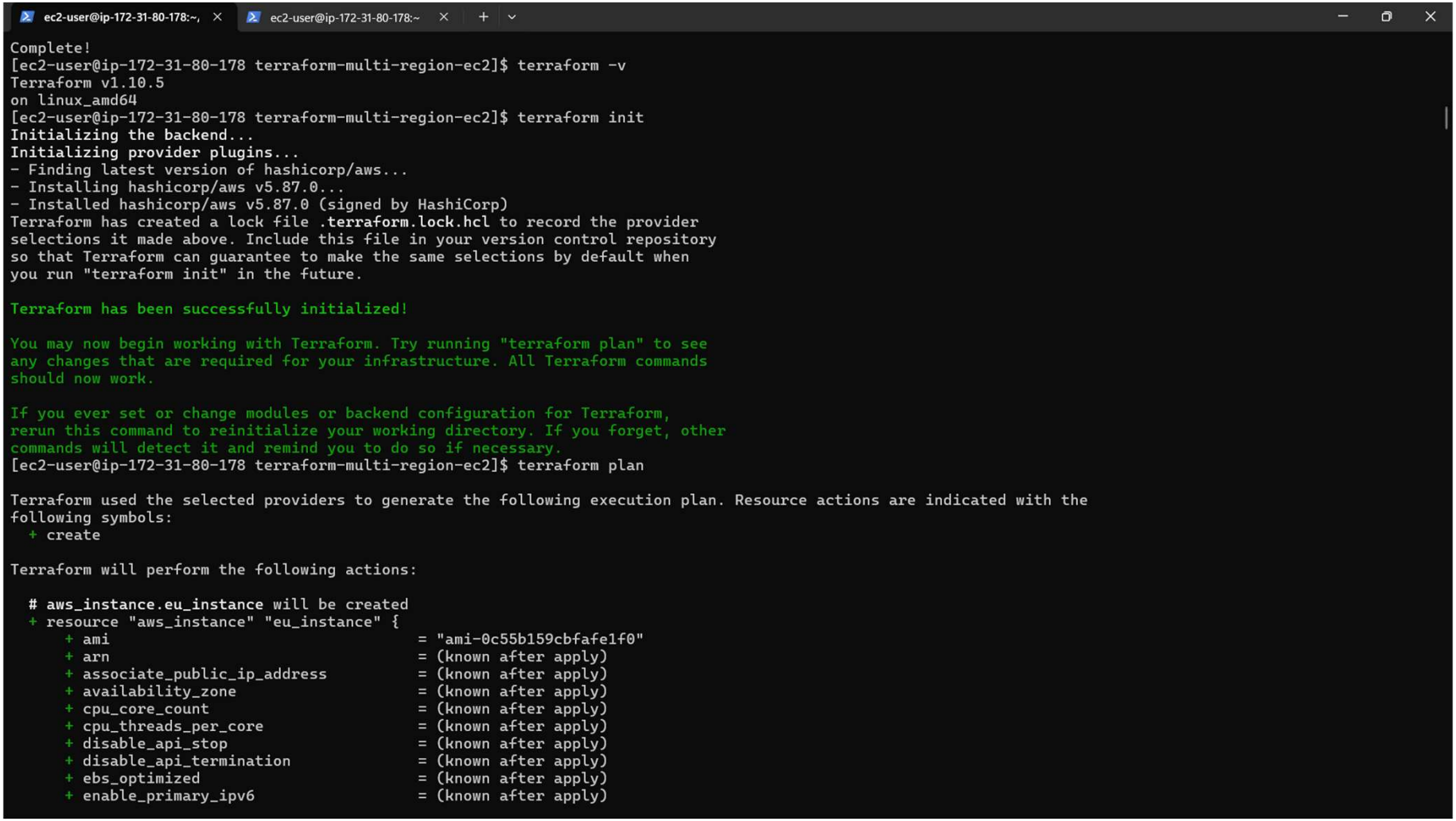
Terraform Project Setup



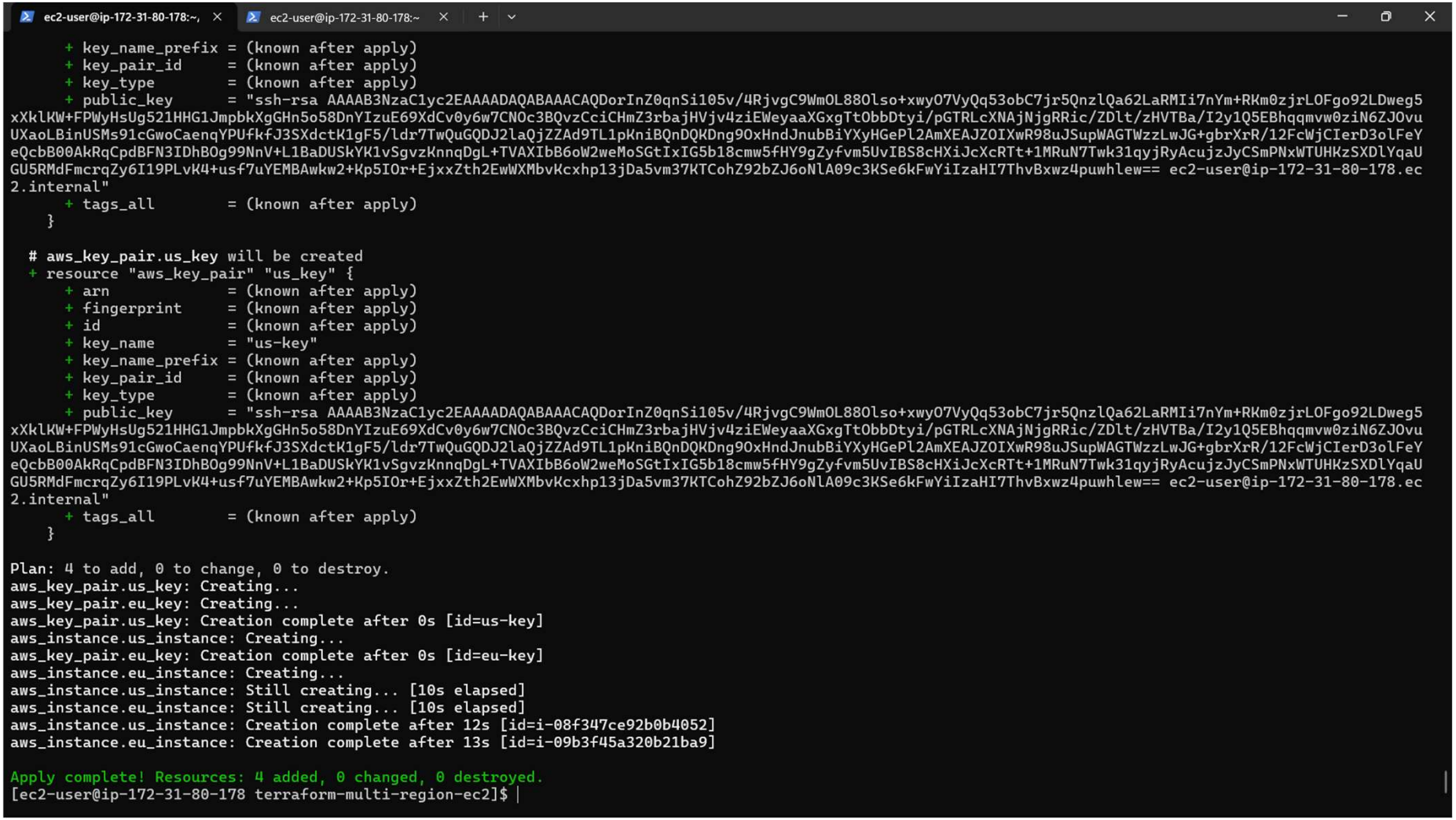
Terraform Setup Complete



Initialize Terraform



Apply Complete



Main.tf file

ec2-user@ip-172-31-80-178:~, ec2-user@ip-172-31-80-178:~

```
aws_instance.eu_instance: Creation complete after 13s [id=i-09b3f45a320b21ba9]

Apply complete! Resources: 4 added, 0 changed, 0 destroyed.
[ec2-user@ip-172-31-80-178 terraform-multi-region-ec2]$ cat main.tf
# Define AWS providers for US and EU regions
provider "aws" {
  alias  = "us"
  region = "us-east-1"  # Replace with your desired US region
}

provider "aws" {
  alias  = "eu"
  region = "eu-west-1"  # Replace with your desired EU region
}

# Generate SSH Key Pairs
resource "aws_key_pair" "us_key" {
  provider   = aws.us
  key_name   = "us-key"
  public_key = file("/home/ec2-user/.ssh/id_rsa.pub")  # Corrected Path
}

resource "aws_key_pair" "eu_key" {
  provider   = aws.eu
  key_name   = "eu-key"
  public_key = file("/home/ec2-user/.ssh/id_rsa.pub")  # Corrected Path
}

# Create an EC2 instance in the US region
resource "aws_instance" "us_instance" {
  provider      = aws.us
  ami           = "ami-032ae1bccc5be78ca"  # Replace with correct AMI ID for US region
  instance_type = "t2.micro"
  key_name      = aws_key_pair.us_key.key_name

  tags = {
    Name = "US-Instance"
  }
}

# Create an EC2 instance in the EU region
resource "aws_instance" "eu_instance" {
  provider      = aws.eu
  ami           = "ami-00410d8a184b40e78"  # Replace with correct AMI ID for EU region
  instance_type = "t2.micro"
  key_name      = aws_key_pair.eu_key.key_name

  tags = {
    Name = "EU-Instance"
  }
}

[ec2-user@ip-172-31-80-178 terraform-multi-region-ec2]$
```