**Terraform Task**

**Task Description:**

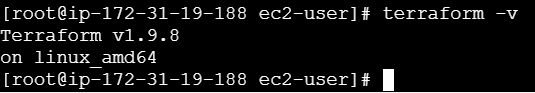
Launch Linux EC2 instances in two regions using a single Terraform file.

**Step 1 – Install Terraform in ec2 Linux machine:**

Launch instance & commands for installing Terraform:

* sudo yum install -y yum-utils
* sudo yum-config-manager --add-repo <https://rpm.releases.hashicorp.com/AmazonLinux/hashicorp.repo>
* sudo yum -y install terraform

**Output:**



**Step 2 – Write terraform file to launch EC2 instances in two regions:**

* Create terraform file – **vi inst.tf**

provider "aws" {

alias = "us\_west\_1"

region = "us-west-1"

access\_key = "AKIAS6J7QTQJ7FJ2CHQT"

secret\_key = "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"

}

provider "aws" {

alias = "us\_west\_2"

region = "us-west-2"

access\_key = "AKIAS6J7QTQJ7FJ2CHQT"

secret\_key = "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"

}

# Define variables

variable "instance\_type" {

default = "t2.micro"

}

variable "ami\_id\_us\_west\_1" {

default = "ami-0cf4e1fcfd8494d5b"

}

variable "ami\_id\_us\_west\_2" {

default = "ami-07c5ecd8498c59db5"

}

# Resource in us-west-1

resource "aws\_instance" "instance\_us\_west\_1" {

provider = aws.us\_west\_1

ami = var.ami\_id\_us\_west\_1

instance\_type = var.instance\_type

tags = {

Name = "Instance\_in\_us-west-1"

}

}

# Resource in us-west-2

resource "aws\_instance" "instance\_us\_west\_2" {

provider = aws.us\_west\_2

ami = var.ami\_id\_us\_west\_2

instance\_type = var.instance\_type

tags = {

Name = "Instance\_in\_us-west-2"

}

}

* To initialize terraform - **terraform init**
* To plan & apply - **terraform apply**

**Output:**

