Terraform exercise



**GENERAL**in this exercise you will create AWS ngnix EC2 instance using terraform.  
  
Scripts content can be found in this URL:  
<https://github.com/eli2983/lectures/blob/master/Terraform_excersize>

**PREREQUISITED**

OS: Ubuntu

AWS Account

1. **Create Terraform files (inside a dedicated folder)**
   1. **Alter the terraform variable file (/home/ubuntu/terraform.tfvars)**

replace key\_name with your own credentials:

…

***key\_name="Student\_name"***

* 1. **create terraform file (terraform.tf)**

***variable "aws\_access\_key" {}***

***variable "aws\_secret\_key" {}***

***variable "private\_key\_path" {}***

***variable "public\_key\_path" {}***

***variable "key\_name" {}***

***provider "aws" {***

***access\_key = "${var.aws\_access\_key}"***

***secret\_key = "${var.aws\_secret\_key}"***

***region = "eu-central-1"***

***}***

***resource "aws\_key\_pair" "default\_keypair" {***

***key\_name = "${var.key\_name}"***

***public\_key = "${file(var.public\_key\_path)}"***

***}***

***resource "aws\_instance" "nginx" {***

***ami= "ami-9a91b371"***

***instance\_type = "t2.micro"***

***key\_name ="${var.key\_name}"***

***connection {***

***user = "ec2-user"***

***private\_key = "${file(var.private\_key\_path)}"***

***}***

***provisioner "remote-exec" {***

***inline = [***

***"sudo yum install nginx -y",***

***"sudo service nginx start"***

***]***

***}***

***depends\_on = ["aws\_key\_pair.default\_keypair"]***

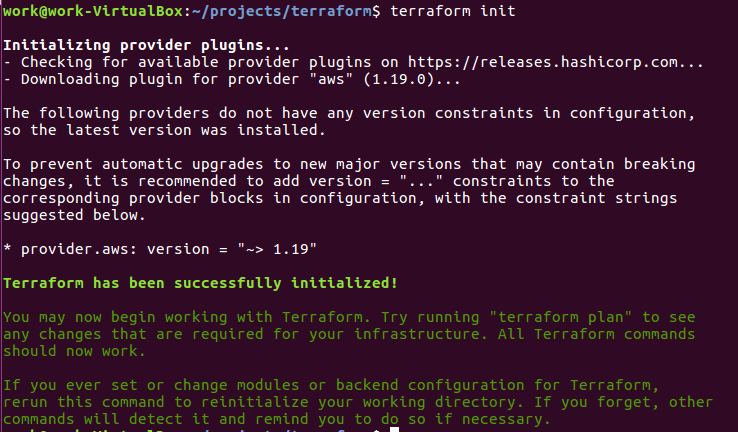
***}***

***output "aws\_instance\_public\_dns" {***

***value = "${aws\_instance.nginx.public\_dns}"***

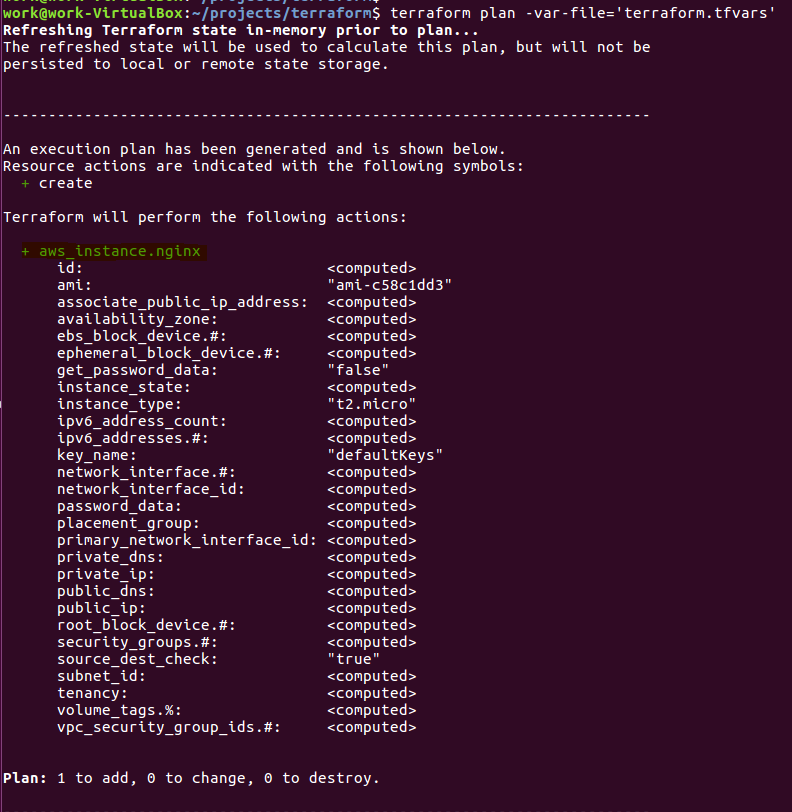
***}***

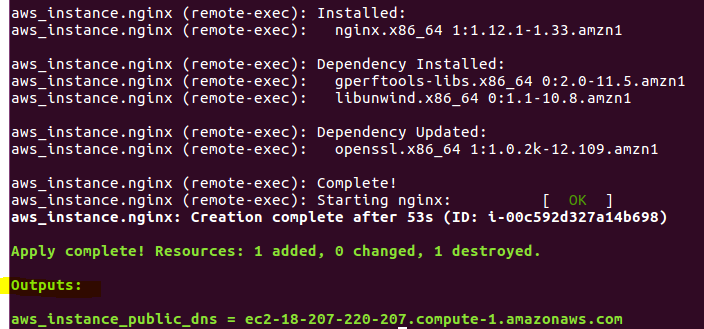
1. Run “terraform init”



1. Run “terraform plan” command and check the output





1. Run “terraform apply” command and wait for “Outputs”  
     
     
     
   
2. Browse to the new “ngnix” instance  
     
   