Lesson 11 Demo 3: First Terraform Deployment

This section will guide you to:

* Create an S3 bucket using Terraform

This lab has two subsections, namely:

1. Setting up AWS
2. Creating Terraform execution plan

***Note:*** *Ansible 2.2.3 is already installed in your lab.*

**Step 1:** Setting up AWS

* Run the below commands in the given sequence to set up your Git repo:

**pip install awscli**

**sudo apt-get update**

**mkdir s3back**

**cd s3back**

* Create **creds.tf** under **s3back** and add the code given below:

**provider "aws" {**

**access\_key = "AWS\_LAB\_ACCESS\_KEY"**

**secret\_key = "AWS\_LAB\_SECRET\_KEY"**

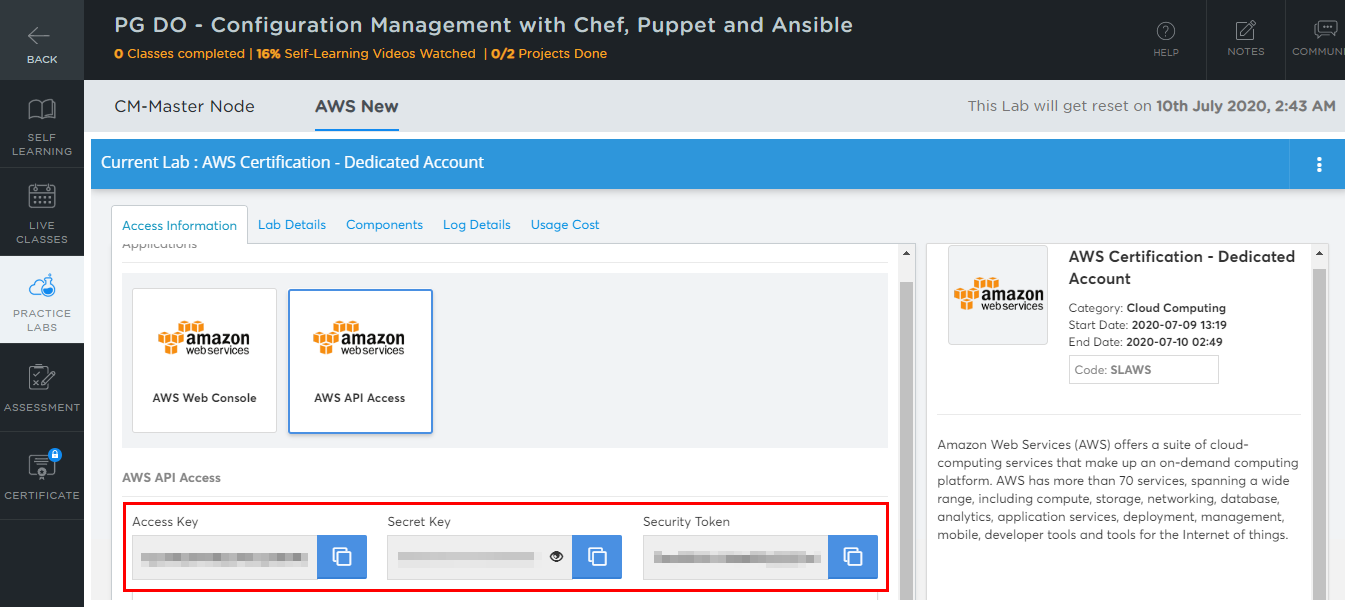
**token = “AWS\_LAB\_SECURITY\_TOKEN”**

**region = "us-east-1"**

**}**

**Note:** Mentioning access key and secret key in the provider configuration is not a good practice. This is for example purpose only. It should be always set as an environment variable or IAM role if it is installed on an EC2 instance

* Use the AWS access credentials provided in the AWS API Access tab in your LMS as shown in the screenshot below:



**Note:** AWS access credentials will change when the AWS Lab session expires after every four hours.

**Step 2:** Creating Terraform execution plan

* Create **main.tf** under **s3back** and run the code given below:

**Note:** Please make sure that you give a unique name to the bucket.

**resource "aws\_s3\_bucket" "b" {**

**bucket = "my-tf-test-bucket"**

**acl = "private"**

**tags = {**

**Name = "My bucket"**

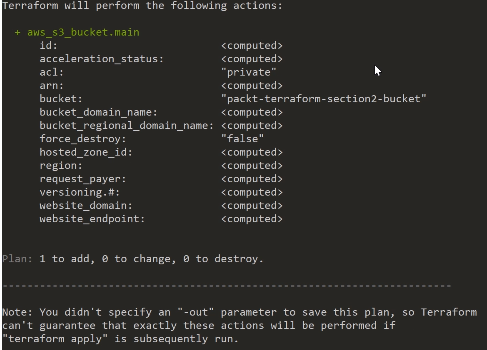
**Environment = "Dev"**

**}**

**}**

* Run the below commands in the given sequence to add AWS providers:

**terraform init**



* Run the command given below to commit TF state:

**terraform plan**

**terraform apply**

