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# CSDO1010-007-B-W24-LAB2 Report

#### Task

• Manage AWS Infrastructure with Terraform (IaC) and Ansible (CM)

### Requirements

- webserver-Public-URL and the URL assigned from the end of the Terraform apply output.
  - Please do not include all of the output from apply, just the webserver-Public-URL value
- The Cloud Computing Course webpage in your browser, including the address bar showing the URL
- Provisioned Infrastructure as viewed through your AWS account, including the public IP of your webserver, under Instances
- 1s command output from putty session to your EC2 instance to show folder contents.

## Report

webserver-Public-URL and the URL assigned from the end of the Terraform apply output.

```
module.compute.aws_instance.webserver (remote-exec): localhost : ok
module.compute.aws_instance.webserver: Creation complete after 2m39s [id=i-0d759e219

Apply complete! Resources: 8 added, 0 changed, 0 destroyed.

Outputs:

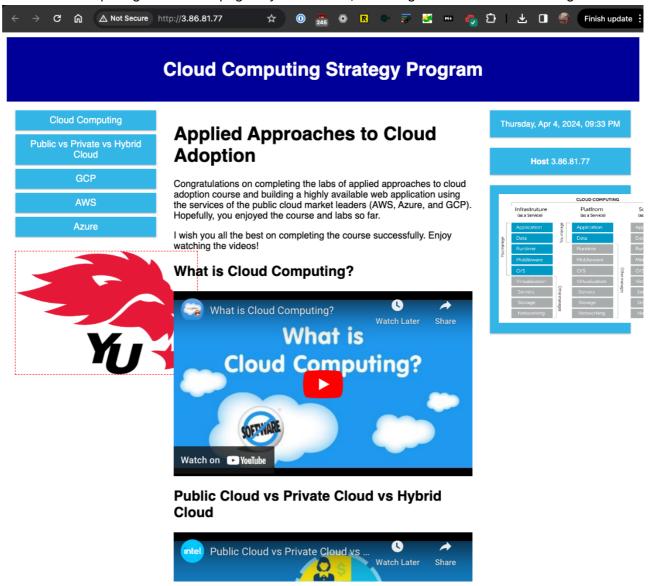
Apache-Webserver-Public-URL = "http://3.86.81.77"

~/justin-irl/CSD01010-007-B-W24-LAB3 on  20240404_justin-irl_apache-playbook •
```

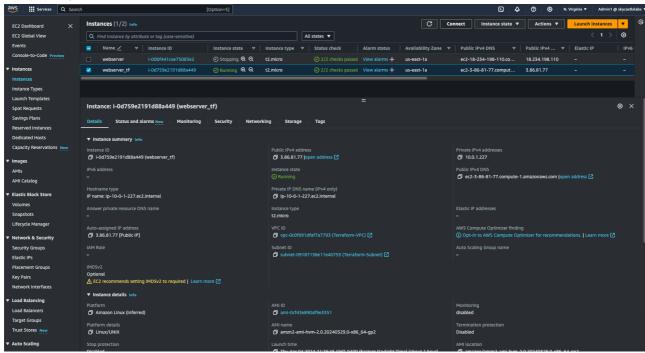
• I noticed in the doc, the steps for fmt and plan were not included. After running plan this is the message regarding the URL:

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The Cloud Computing Course webpage in your browser, including the address bar showing the url



• Provisioned Infrastructure as viewed through your AWS account, including the public IP of your webserver, under Instances.



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Is command output from putty session to your EC2 instance to show folder contents.

```
~/justin-irl/CSD01010-007-B-W24-LAB3 on / 20240404_justin-irl_apache-playbook
$ > ssh ec2-user@3.86.81.77
The authenticity of host '3.86.81.77 (3.86.81.77)' can't be established.
ED25519 key fingerprint is SHA256:BCku+XxKzYw+2SMrmVmlrXcjZu5WcctL+sMBERMyKvU.
This key is not known by any other names.
Are you sure you want to continue connecting (yes/no/[fingerprint])? f
Please type 'yes', 'no' or the fingerprint: fingerprint
Please type 'yes', 'no' or the fingerprint: yes
Warning: Permanently added '3.86.81.77' (ED25519) to the list of known hosts.
Last login: Fri Apr 5 01:30:28 2024 from 136.144.17.243
         ####_
                       Amazon Linux 2
         #####\
                       AL2 End of Life is 2025-06-30.
          \###|
                       A newer version of Amazon Linux is available!
                       Amazon Linux 2023, GA and supported until 2028-03-15.
                          https://aws.amazon.com/linux/amazon-linux-2023/
[ec2-user@ip-10-0-1-227 \sim]$ sudo dnf check-update
sudo: dnf: command not found
[ec2-user@ip-10-0-1-227 ~]$ ls -a
 .. .ansible .bash_logout .bash_profile .bashrc .cache install_apache.yaml .ssh
[ec2-user@ip-10-0-1-227 ~]$ pwd
/home/ec2-user
```

### **Notes**

• Similar to the previous lab, created & configured repo with tfenv and tflint and bumped to tf 1.7.5 & aws 5.43.0

· Resources destroyed

```
module.vpc.aws_subnet.tf_public_subnet: Destruction compodule.vpc.aws_subnet.tf_public_subnet: Destruction commodule.vpc.aws_security_group.tf_public_sg: Destruction module.vpc.aws_vpc.tf_vpc: Destroying... [id=vpc-0c0f99 module.vpc.aws_vpc.tf_vpc: Destruction complete after 1 Destroy complete! Resources: 8 destroyed.
```