

Obtain files from link

link to lab files: provided in email

Requirements

- this lab must be run as root
- to get root access run `sudo su -` from the command line

Transfer file to lab vm

```
scp Downloads/lab-05-IaC.zip docker@<LAB_VM_IP>:/tmp
```

Unzip in your home directory

input:

```
sudo su -  
apt-get install -y unzip  
cp /tmp/lab-05-IaC.zip .  
unzip lab-05-IaC.zip
```

```
cd lab-05-IaC/
```

output:

```
docker@159.203.219.157 ~: unzip lab-05-IaC.zip  
Archive:  lab-05-IaC.zip  
  creating: lab-05-IaC/  
  inflating: lab-05-IaC/compose.txt  
  inflating: lab-05-IaC/ddc-install.sh  
  creating: __MACOSX/  
  creating: __MACOSX/lab-05-IaC/  
  inflating: __MACOSX/lab-05-IaC/._ddc-install.sh  
  inflating: lab-05-IaC/ddc-join.sh  
  inflating: __MACOSX/lab-05-IaC/._ddc-join.sh  
  inflating: lab-05-IaC/ddc.tf  
  inflating: __MACOSX/lab-05-IaC/._ddc.tf  
  inflating: lab-05-IaC/Dockerfile.txt  
  inflating: lab-05-IaC/guide.pdf  
  inflating: __MACOSX/lab-05-IaC/._guide.pdf  
  inflating: lab-05-IaC/terraform.tfvars  
  inflating: __MACOSX/lab-05-IaC/._terraform.tfvars  
  inflating: lab-05-IaC/training.key  
  inflating: lab-05-IaC/training.key.pub  
  inflating: lab-05-IaC/variables.tf  
  inflating: __MACOSX/lab-05-IaC/._variables.tf
```

```
docker@159.203.219.157 ~: ls
lab-05-IaC  lab-05-IaC.zip  __MACOSX
docker@159.203.219.157 ~: cd lab-05-IaC/
docker@159.203.219.157 ~/lab-05-IaC:
```

Build terraform tool

Review the Dockerfile

input:

```
cat Dockerfile
```

build terraform tool

```
docker build -t terraform .
```

Deploy UCP

```
edit terraform.tfvars
```

At line 1 of terraform.tfvars

change name = "training" alter name value with <your_name>

Use terraform to stand up your new infrastructure

```
docker run --rm -it -v $(pwd):/root/ terraform apply
```

when complete run the following to grab IP addresses of UCP and DTR to use

with the guide.pdf

```
cat ips.txt
```

output example

UCP URL: https://104.236.156.152

DTR URL: https://192.241.223.231

Work with the UCP cluster

see the **guide.pdf**

Cleanup cluster

```
docker run --rm -it -v $(pwd):/root/ terraform destroy
```