Draup Assignment

Position – DevOps Engineer
Name – Ankit Kumar

Required Variables
region: ap-south-1
instance_type: t2.micro
ami: ami-02d55cb47e83a99a0
app_code_user: "ubuntu" # remote user
env: draup
counter: 0
pem_key: mumbai-ak # key.pem
subnet: subnet-5693f11a

Command to run
ansible-playbook site.yml --private-key PEM FILE

Output SS

```
PLAY [launched] *******************************************************************************

TASK [Gathering Facts] ********************************************************************
ok: [13.232.80.11]
ok: [13.233.255.231]

TASK [Increment variable] *****************************************************************
ok: [13.233.255.231]
ok: [13.232.80.11]

TASK [debug] ******************************************************************************
ok: [13.232.80.11] => {
    "msg": "1"
}
ok: [13.233.255.231] => {
    "msg": "1"
}

TASK [Install nginx] **********************************************************************
ok: [13.232.80.11]
ok: [13.233.255.231]

TASK [Create default index page] **********************************************************
ok: [13.232.80.11]
ok: [13.233.255.231]

TASK [Restart nginx] **********************************************************************
changed: [13.232.80.11]
changed: [13.233.255.231]

PLAY [spin up the load balancer and add the servers to it] ******************************

TASK [setup a simple load balancer] *****************************************************
ok: [localhost]

TASK [add the webservers to the load balancer] ****************************************
ok: [localhost -> localhost] => (item={'id': 'i-05b8ef05620bcbbdf', 'ami_launch_index': '1', 'private_ip': '172.31.8.44', 'private_dns_name': '
ip-172-31-8-44.ap-south-1.compute.internal', 'public_ip': '13.232.80.11', 'dns_name': 'ec2-13-232-80-11.ap-south-1.compute.amazonaws.com', 'pub
lic_dns_name': 'ec2-13-232-80-11.ap-south-1.compute.amazonaws.com', 'state_code': 16, 'architecture': 'x86_64', 'image_id': 'ami-02d55cb47e83a9
9a0', 'key_name': 'mumbai-ak', 'placement': 'ap-south-1b', 'region': 'ap-south-1', 'kernel': None, 'ramdisk': None, 'launch_time': '2020-07-09T
06:09:50.000Z', 'instance_type': 't2.micro', 'root_device_type': 'ebs', 'root_device_name': '/dev/sda1', 'state': 'running', 'hypervisor': 'xen
', 'tags': {'env': 'demo'}, 'groups': {'sg-01f33e8066a06dd02': 'demo_security_group'}, 'virtualization_type': 'hvm', 'ebs_optimized': False, 'b
lock_device_mapping': {'/dev/sda1': {'status': 'attached', 'volume_id': 'vol-07608c81eeba419d3', 'delete_on_termination': True}}, 'tenancy': 'd
efault'})
ok: [localhost -> localhost] => (item={'id': 'i-0e9e76b94552012e8', 'ami_launch_index': '0', 'private_ip': '172.31.7.107', 'private_dns_name':
'ip-172-31-7-107.ap-south-1.compute.internal', 'public_ip': '13.233.255.231', 'dns_name': 'ec2-13-233-255-231.ap-south-1.compute.amazonaws.com'
, 'public_dns_name': 'ec2-13-233-255-231.ap-south-1.compute.amazonaws.com', 'state_code': 16, 'architecture': 'x86_64', 'image_id': 'ami-02d55c
b47e83a99a0', 'key_name': 'mumbai-ak', 'placement': 'ap-south-1b', 'region': 'ap-south-1', 'kernel': None, 'ramdisk': None, 'launch_time': '202
0-07-09T06:09:50.000Z', 'instance_type': 't2.micro', 'root_device_type': 'ebs', 'root_device_name': '/dev/sda1', 'state': 'running', 'hyperviso
r': 'xen', 'tags': {'env': 'demo'}, 'groups': {'sg-01f33e8066a06dd02': 'demo_security_group'}, 'virtualization_type': 'hvm', 'ebs_optimized': F
alse, 'block_device_mapping': {'/dev/sda1': {'status': 'attached', 'volume_id': 'vol-0ca2152f83da16ae6', 'delete_on_termination': True}}, 'tena
ncy': 'default'})

TASK [debug] ******************************************************************************
**********************
ok: [localhost] => {
    "msg": "New ELB Endpoint : aws-elb-demo-1726014452.ap-south-1.elb.amazonaws.com"
}

TASK [add the webservers to the load balancer] **************************************************
**********************
changed: [localhost -> localhost] => (item={'id': 'i-05b8ef05620bcbbdf', 'ami_launch_index': '1', 'private_ip': '172.31.8
.44', 'private_dns_name': 'ip-172-31-8-44.ap-south-1.compute.internal', 'public_ip': '13.232.80.11', 'dns_name': 'ec2-13-
232-80-11.ap-south-1.compute.amazonaws.com', 'public_dns_name': 'ec2-13-232-80-11.ap-south-1.compute.amazonaws.com', 'sta
te_code': 16, 'architecture': 'x86_64', 'image_id': 'ami-02d55cb47e83a99a0', 'key_name': 'mumbai-ak', 'placement': 'ap-so
uth-1b', 'region': 'ap-south-1', 'kernel': None, 'ramdisk': None, 'launch_time': '2020-07-09T06:09:50.000Z', 'instance_ty
pe': 't2.micro', 'root_device_type': 'ebs', 'root_device_name': '/dev/sda1', 'state': 'running', 'hypervisor': 'xen', 'ta
gs': {'env': 'demo'}, 'groups': {'sg-01f33e8066a06dd02': 'demo_security_group'}, 'virtualization_type': 'hvm', 'ebs_optim
ized': False, 'block_device_mapping': {'/dev/sda1': {'status': 'attached', 'volume_id': 'vol-07608c81eeba419d3', 'delete_
on_termination': True}}, 'tenancy': 'default'})
changed: [localhost -> localhost] => (item={'id': 'i-0e9e76b94552012e8', 'ami_launch_index': '0', 'private_ip': '172.31.7
.107', 'private_dns_name': 'ip-172-31-7-107.ap-south-1.compute.internal', 'public_ip': '13.233.255.231', 'dns_name': 'ec2
-13-233-255-231.ap-south-1.compute.amazonaws.com', 'public_dns_name': 'ec2-13-233-255-231.ap-south-1.compute.amazonaws.co
m', 'state_code': 16, 'architecture': 'x86_64', 'image_id': 'ami-02d55cb47e83a99a0', 'key_name': 'mumbai-ak', 'placement'
: 'ap-south-1b', 'region': 'ap-south-1', 'kernel': None, 'ramdisk': None, 'launch_time': '2020-07-09T06:09:50.000Z', 'ins
tance_type': 't2.micro', 'root_device_type': 'ebs', 'root_device_name': '/dev/sda1', 'state': 'running', 'hypervisor': 'x
en', 'tags': {'env': 'demo'}, 'groups': {'sg-01f33e8066a06dd02': 'demo_security_group'}, 'virtualization_type': 'hvm', 'e
bs_optimized': False, 'block_device_mapping': {'/dev/sda1': {'status': 'attached', 'volume_id': 'vol-0ca2152f83da16ae6',
'delete_on_termination': True}}, 'tenancy': 'default'})

PLAY RECAP ********************************************************************************
**********************
13.232.80.11               : ok=6    changed=1    unreachable=0    failed=0    skipped=0    rescued=0    ignored=0
13.233.255.231             : ok=6    changed=1    unreachable=0    failed=0    skipped=0    rescued=0    ignored=0
localhost                  : ok=7    changed=2    unreachable=0    failed=0    skipped=0    rescued=0    ignored=0
```

Hello from EC2 Instance1 server IP: 13.232.80.11

Hello from EC2 Instance2 server IP: 13.233.255.231

```
TASK [debug] **********************************************************************
ok: [localhost] => {
    "msg": "New ELB Endpoint : aws-elb-draup-1575310862.ap-south-1.elb.amazonaws.com"
}
```