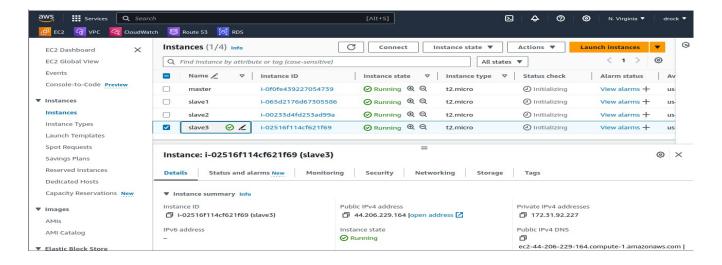
- 1. Setup Puppet master-slave using 3 nodes
- 2. Installing Apache on slaves using manifest



On Master

sudo apt update
wget https://apt.puppetlabs.com/puppet-release-bionic.deb
sudo dpkg -i puppet-release-bionic.deb
sudo apt install puppet-master
apt policy puppet-master
sudo systemctl status puppet-master.service
sudo vim /etc/default/puppet-master
--JAVA-ARGS="Xms512m -Xmx512m"
sudo systemctl restart puppet-master.service

sudo ufw allow8140/tcp

//change code

sudo mkdir -p /etc/puppet/code/environments/production/manifests/sudo nano /etc/puppet/code/environments/production/manifests/

```
ubuntu@ip-172-31-93-254:/$ cd /etc/puppet
ubuntu@ip-172-31-93-254:/etc/puppet$ 1s
auth.conf code hiera.yaml puppet.conf
ubuntu@ip-172-31-93-254:/etc/puppet$ cd code
ubuntu@ip-172-31-93-254:/etc/puppet$ cd code
ubuntu@ip-172-31-93-254:/etc/puppet/code$ 1s
ubuntu@ip-172-31-93-254:/etc/puppet/code$ sudo mkdir -p environment/production/manifests
ubuntu@ip-172-31-93-254:/etc/puppet/code$ sudo mkdir -p environments/production/manifests
ubuntu@ip-172-31-93-254:/etc/puppet/code$ cd environments
ubuntu@ip-172-31-93-254:/etc/puppet/code/environments$ cd production
ubuntu@ip-172-31-93-254:/etc/puppet/code/environments/production$ cd manifests
ubuntu@ip-172-31-93-254:/etc/puppet/code/environments/production/manifests
ubuntu@ip-172-31-93-254:/etc/puppet/code/environments/production/manifests$

i-OfOfe439227054739 (master)

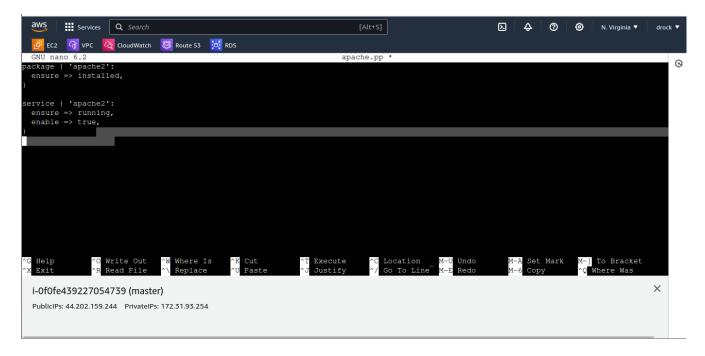
PublicIPs: 44,202.159.244 PrivateIPs: 172.31.93.254
```

Paste the manifest

```
sudo nano apache.pp
```

```
package { 'apache2':
   ensure => installed,
}

service { 'apache2':
   ensure => running,
   enable => true,
}
```



sudo systemctl restart puppet-master

```
## Services Q Search [Alt+5]

**Services** Q Search**

**Alt+5** Q Search**

**Alt+5** Q Search**

**Alt+5** Q Search**

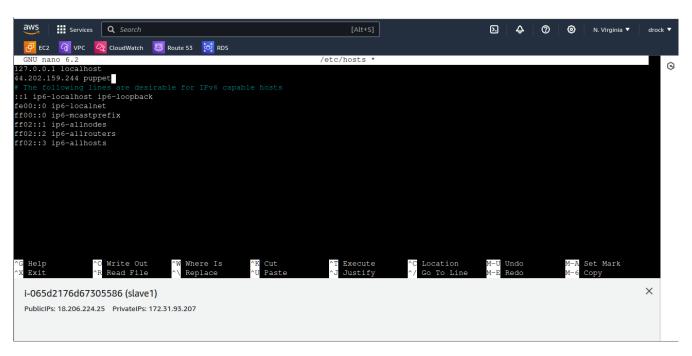
**Alt+5** Q Search**

**Alt+15** Q Sear
```

.....

Puppet Agent sudo apt update wget https://apt.puppetlabs.com/puppet-release-bionic.deb sudo dpkg -i puppet-release-bionic.deb sudo apt install puppet

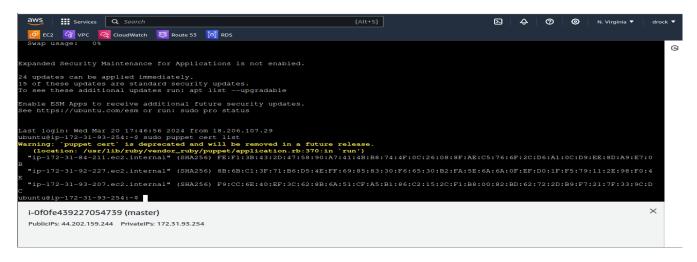
sudo nano /etc/hosts put in the: masterip puppet



sudo systemstl start puppet sudo systemstl enable puppet

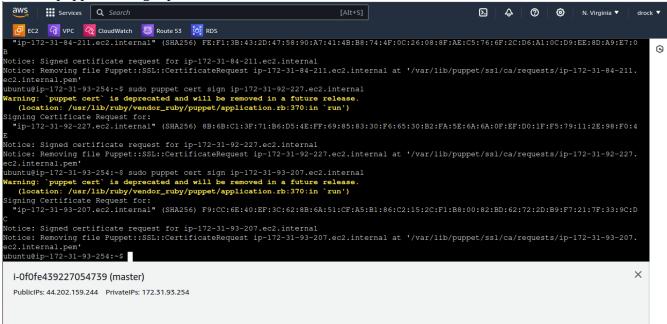
.....

On master sudo puppet cert list



sudo puppet cert sign <nodename>

i.e sudo puppet cert sign ip-172-31-93-207.ec2.internal



.....

In Agent:

sudo puppet agent -t

```
ubuntue;p-172-31-93-2071-% sudo puppet agent -t
Info: Using configured environment 'production'
Info: Retrieving pluginfacts
Info: Retrieving plugin
Info: Retrieving locales
Info: Caching catalog for ip-172-31-93-207.ec2.internal
Info: Applying configuration version '1710975271'
Notice: Applied catalog in 0.06 seconds
ubuntue;p-172-31-93-207:~%

i-065d2176d67305586 (slave1)
PublicIPs: 18,206,224.25 PrivateIPs: 172.31.93.207
```

checking the ip of slave1 on web

