PUPPET INSTALLATION ON UBUNTU

Installing Puppet Master

We need to use ubuntu 18.04 ami with t2.micro and security group as All Traffic.

Step 1: Run the following commands for installing Puppet Master

```
$ sudo apt-get update
$ sudo apt-get install wget
$ wget https://apt.puppetlabs.com/puppet-release-bionic.deb
$ sudo dpkg -i puppet-release-bionic.deb
$ sudo apt-get update
$ apt policy puppet master
$ sudo apt-get install puppet-master
```

Installing Puppet Agent

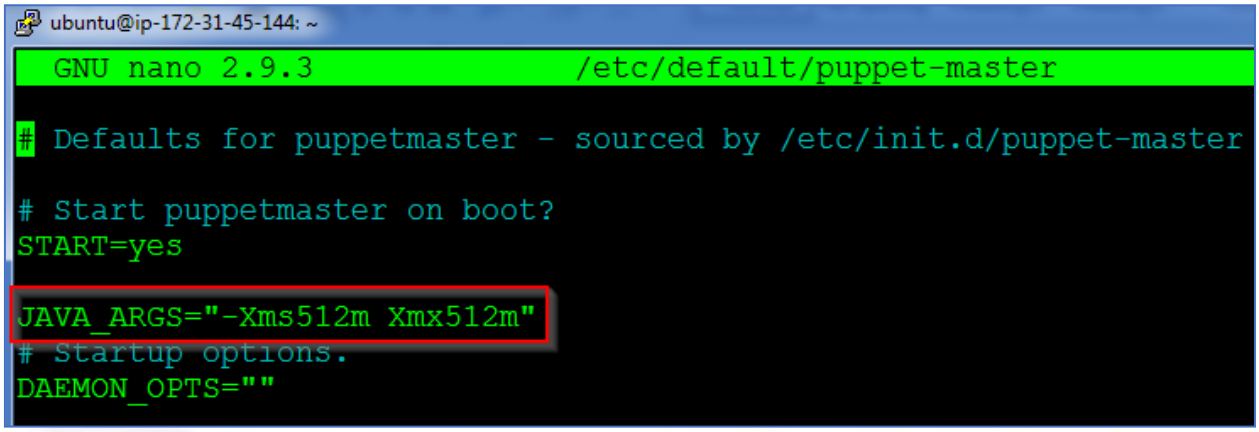
Step 2: Run the following commands for installing Puppet Agent

```
$ sudo apt-get update
$ sudo apt-get install wget
$ wget https://apt.puppetlabs.com/puppet-release-bionic.deb
$ sudo dpkg -i puppet-release-bionic.deb
$ sudo apt-get update
$ apt policy puppet master
$ sudo apt-get install puppet
```

Configuring Puppet Master

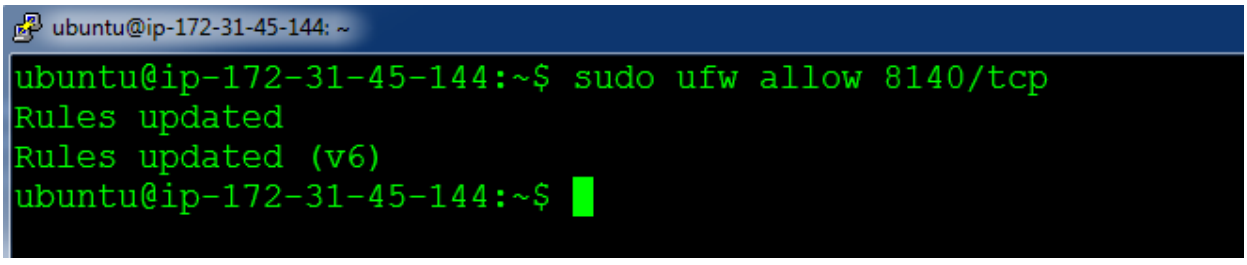
Step 1: Add the following lines in the puppet-master configuration file

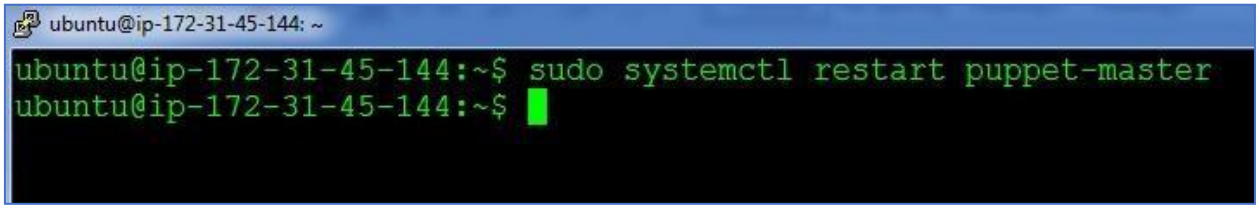
```
$ sudo nano /etc/default/puppet-master

JAVA_ARGS="-Xms512m Xmx512m"    //Add this Line

$ sudo systemctl restart puppet-master
```



Step 2: Next open port 8140 on the Puppet Master's firewall

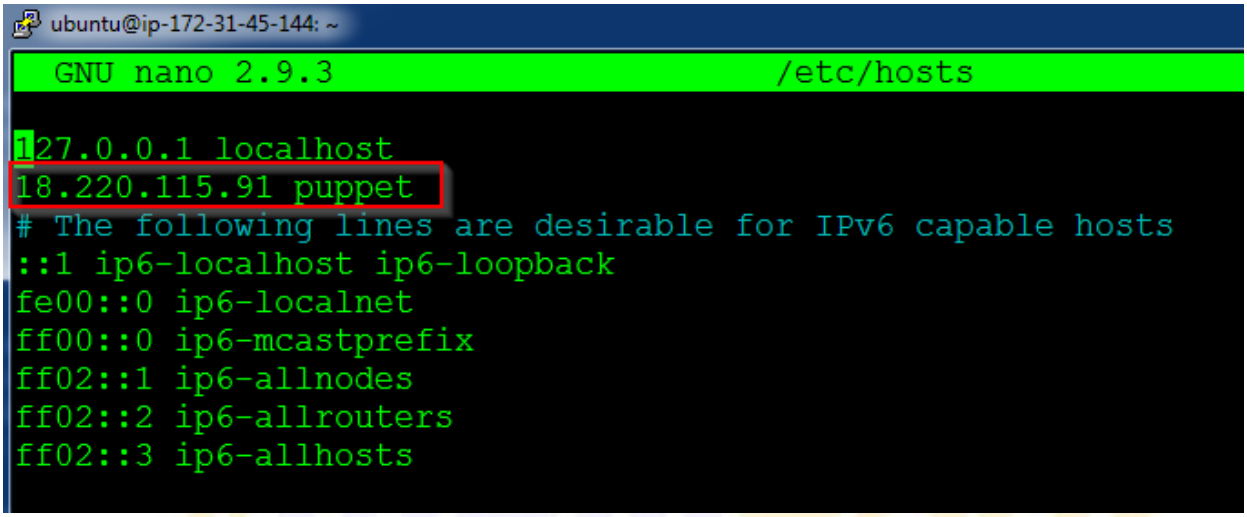
```
$ sudo ufw allow 8140/tcp
```





Step 3: Make changes to the hosts file which exists in /etc/hosts. And add the Puppet Master IP address along with the name "puppet"

```
$ sudo nano /etc/hosts
```

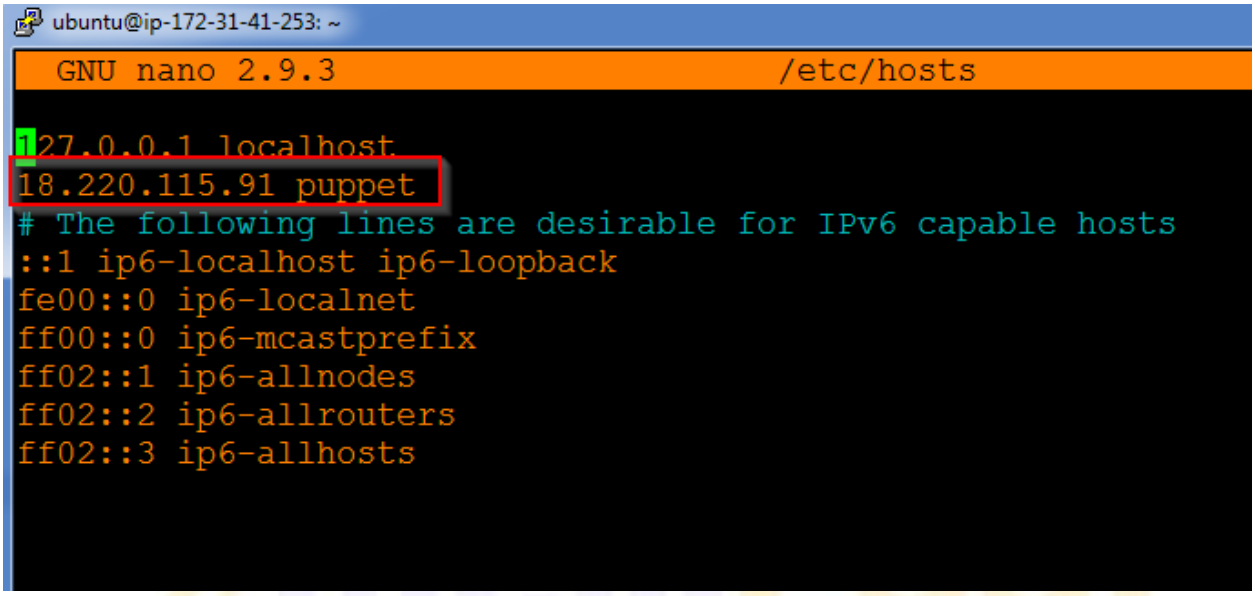


Step 4: Create the following directory path:

```
$ sudo mkdir -p /etc/puppet/code/environments/production/manifests
```

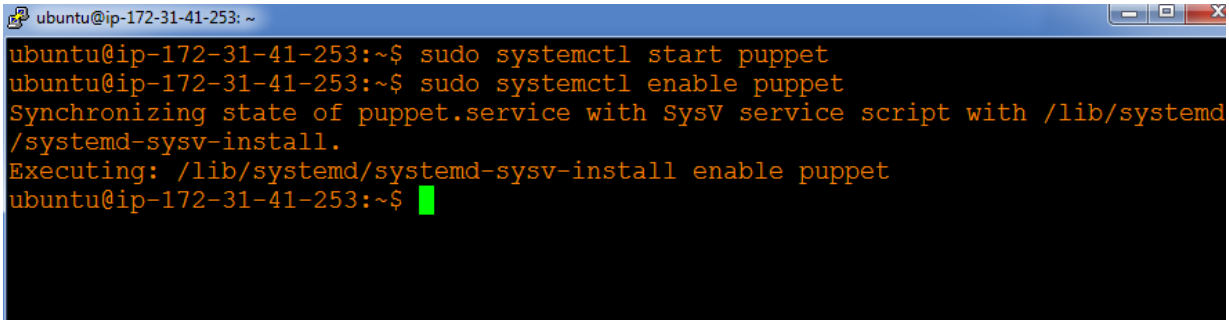
Configuring Puppet Slave

Step 1: Add the entry for Puppet Master in /etc/hosts



Step 2: Finally start the Puppet agent by using the following command. Also, enable the service, so that it starts when the computer starts

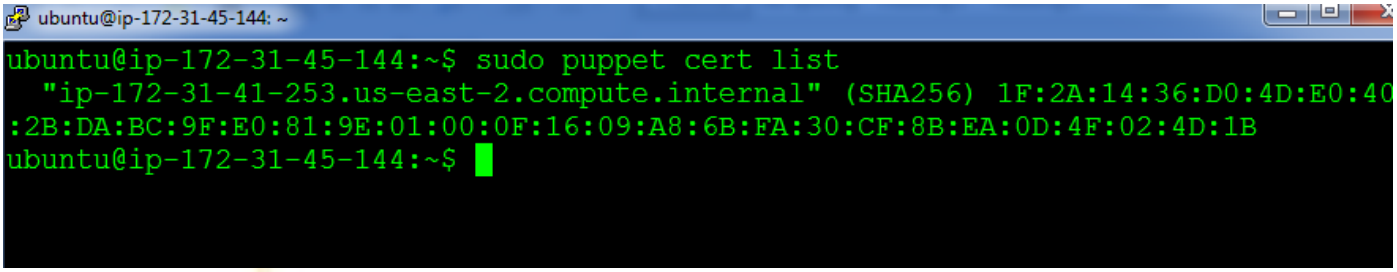
```
$ sudo systemctl start puppet

$ sudo systemctl enable puppet
```



On Master

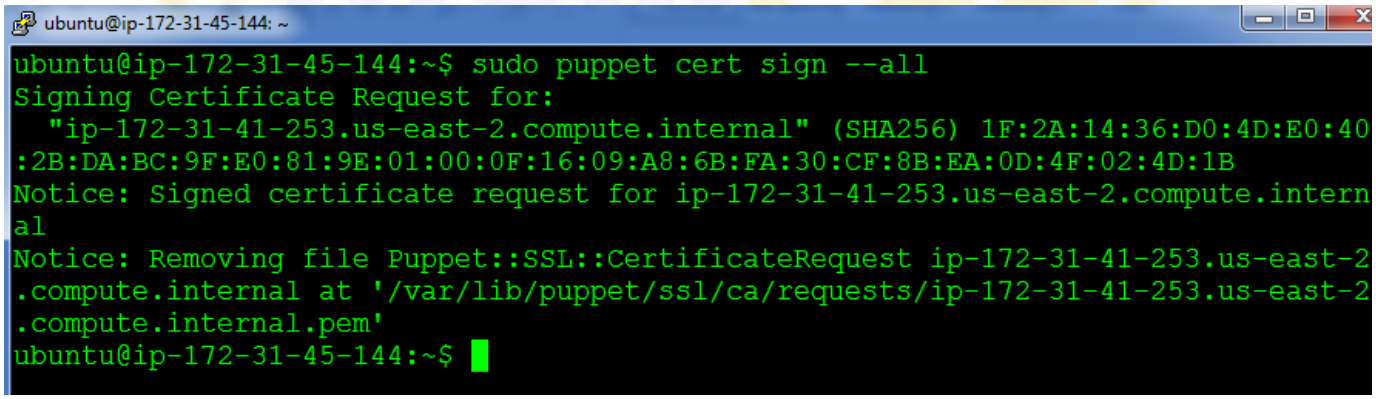
Step 1: Type the following command,

```
$ sudo puppet cert list
```



Step 2: Finally, sign the listed certificate using the following command:

```
$ sudo puppet cert sign --all
```



You are now ready to use the Puppet cluster!