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PUPPET INSTALLATION

DevOps Certification Training

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**PUPPET INSTALLATION ON UBUNTU**

**Installing Puppet Master**

**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

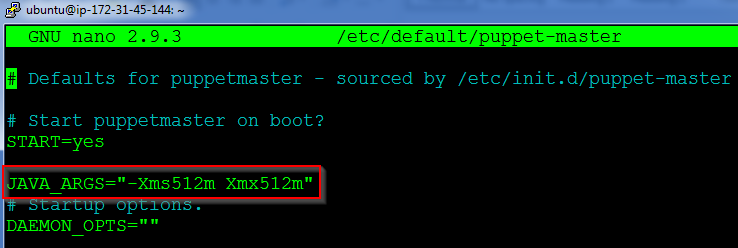
**Configuring Puppet Master**

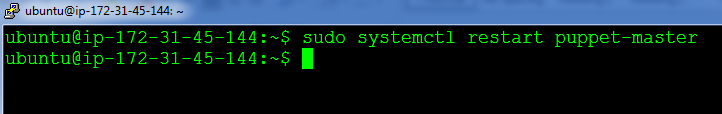
**Step 1:** Add the following lines in the puppet-master configuration file

$ sudo nano /etc/default/puppet-master

JAVA\_ARGS="-Xms512m Xmx512m" **//Add this Line**

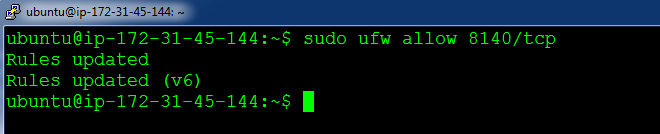
$ sudo systemctl restart puppet-master





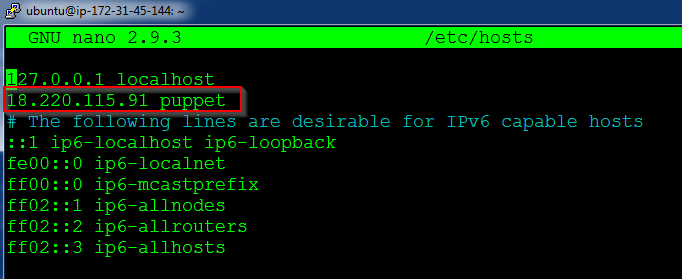
**Step 2:** Next open port 8140 on the Puppet Master’s firewall

$ sudo ufw allow 8140/tcp



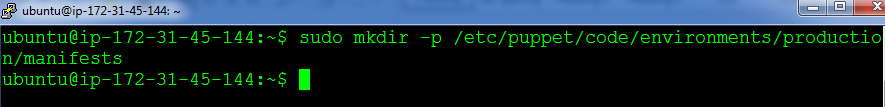
**Step 3:** Make changes to the hosts file which exists in /etc/hosts. And add the Puppet Master IP address along with the name “puppet”

$ sudo nano /etc/hosts



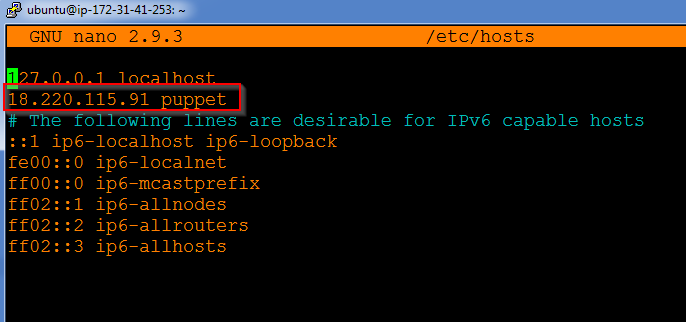
**Step 4:** Create the following directory path:

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



**Configuring Puppet Slave**

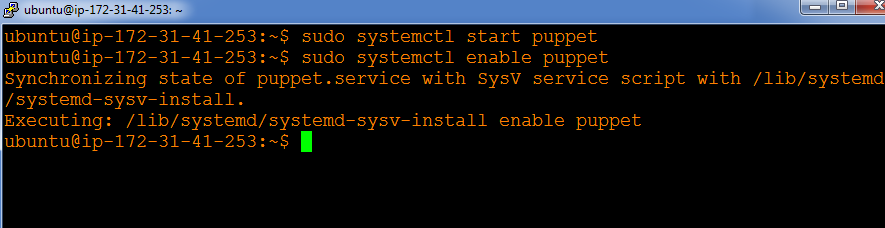
**Step 1:** Add the entry for Puppet Master in /etc/hosts



**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

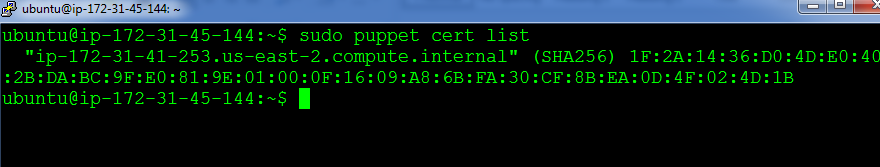
$ sudo systemctl enable puppet



**On Master**

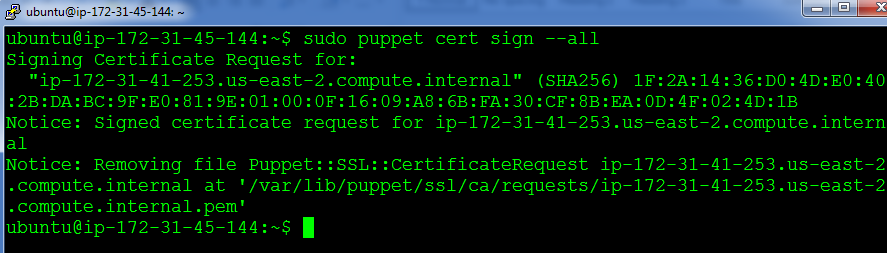
**Step 1:** Type the following command,

$ 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!