How To Install Puppet 3.8.7 in a Master-Agent Setup on centos 7.

**Master Node:**

**Hostname :puppet.local**

Change host name to puppet.local in ur master node.

Vi /etc/hosts

Add hostname and client hostname here to communicate with master and agent.

Download packages puppet-server,facter.

rpm -ivh http://yum.puppetlabs.com/puppetlabs-release-el-7.noarch.rpm

# yum install puppet-server

 Next, run the following command to upgrade Puppet to most newest version.

# puppet resource package puppet-server ensure=latest

**.** Once upgrade process completes, you will need to restart the puppet master web server to reflect new changes.

Vi /etc/puppet/puppet.conf

Add lines under main

Certname= puppet.local

#puppet resource service puppetserver ensure=running enable=true

# systemctl restart puppetmaster

**Agent Node:**

Vi /etc/hosts

Add client hostname and master hostname here to communicate with agent and master.

yum install puppet

Now upgrade the installed puppet agent to the most recent versions, with the help of following command.

# puppet resource package puppet ensure=latest

Vi /etc/puppet/puppet.conf

Add lines under main

Server= puppet.local

#puppet resource service puppet ensure=running enable=true

you will need to restart the puppet service to take new changes.

# /etc/init.d/puppet restart

Now add client agent to puppet master.

On agent: Run the below command on the agent to generate certificate.

#puppet agent --server=puppet.local -t.

root@ubuntu13:~*# puppet agent -t*

Info: Caching certificate **for** ca

Info: Creating a new SSL certificate request **for** ubuntu13.vm

Info: Certificate Request fingerprint (SHA256): 0E:C0:C3:5C:A2:8A:6C:60:9C:20:92:79:71:E2:74:6E:7B:B2:2C:0C:E1:77:50:D5:72:29:C4:2F:5E:DE:95:47

Exiting; no certificate found **and** waitforcert is disabled

On master: Run the bleow command on the puppet master to show all the agent nodes with certificates. This command list all the certificates waiting to be signed.

$ puppet cert list --all

[root@centos12 ~]# puppet cert list --all

"ubuntu13.vm" (SHA256) 0E:C0:C3:5C:A2:8A:6C:60:9C:20:92:79:71:E2:74:6E:7B:B2:2C:0C:E1:77:50:D5:72:29:C4:2F:5E:DE:95:47

+ "centos12.vm" (SHA256) 78:5D:B5:D7:33:B6:E3:10:11:D6:C2:79:12:C2:12:FA:F6:25:8B:82:3D:FF:9A:B3:CF:2A:CE:30:7A:B5:08:D9 (alt names: "DNS:centos12.vm", "DNS:puppet", "DNS:puppet.vm")

The above command is showing two agent certificates. The puppet master acts as puppet agent

Use the below command to signup the certificates.

ON MASTER SIDE

$ puppet cert sign client.local.

After signing the certificate, run the bleow command.

$ puppet agent -t

root@ubuntu13:~*# puppet agent -t*

Info: Caching certificate\_revocation\_list **for** ca

Info: Retrieving plugin

Info: Caching catalog **for** ubuntu13.vm

Info: Applying configuration version '1407766889'

Info: Creating state file /var/lib/puppet/state/state.yaml

Notice: Finished catalog run **in** 0.06 seconds

The agent is now authenticated with the master.

**Conclusion:**The Puppet Master Agent setup is done. Play with it and see how easy it is. Now, from the Puppent Master, you can control all the agent nodes, without connecting to agent box (ssh).

IF U ARE GETTING ANY COPYING SSL TO MASTER OR ADDING AGNET TO MASTER

DELETE THE SSL FILES IN CLIENT AGENT

var/lib/puppet/ssl/

rm –rf \*

puppet agent –t

now new ssl create and sign .